




















**Worklist: 4351**

| <u>LAB CASE</u> | <u>ITEM</u> | <u>ITEM TYPE</u> | <u>DESCRIPTION</u>                                   |   |
|-----------------|-------------|------------------|--|---|
| M2020-1467      | 3           | UCK              | AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ |    |
| M2020-1620      | 1           | UCK              | AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ |    |
| M2020-1865      | 1           | UCK              | AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ |    |
| M2020-2054      | 3           | UCK              | AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ |    |
| M2020-2191      | 2           | UCK              | AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ |    |
| P2020-1533      | 1           | UCK              | AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ |    |
| P2020-1562      | 1           | UCK              | AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ |    |
| P2020-1570      | 3           | UCK              | AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ |    |
| P2020-1577      | 2           | UCK              | AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ |    |
| P2020-1583      | 1           | UCK              | AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ |   |
| P2020-1584      | 1           | UCK              | AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ |  |
| P2020-1669      | 1           | UCK              | AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ |  |
| P2020-1736      | 1           | UCK              | AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ |  |
| P2020-1772      | 1           | UCK              | AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ |  |
| P2020-1779      | 2           | UCK              | AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ |  |
| P2020-1791      | 1           | UCK              | AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ |  |
| P2020-1806      | 1           | UCK              | AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ |  |
| P2020-1808      | 2           | UCK              | AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ |  |
| P2020-1812      | 2           | UCK              | AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ |  |
| P2020-1824      | 1           | UCK              | AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ |  |
| P2020-1829      | 1           | UCK              | AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ |  |

**Worklist: 4351**

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| <u>LAB CASE</u> | <u>ITEM</u> | <u>ITEM TYPE</u> | <u>DESCRIPTION</u>                                   |   |
|-----------------|-------------|------------------|--|---|
| P2020-1832      | 1           | UCK              | AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ |  |
| P2020-1932      | 1           | UCK              | AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ |  |
| P2020-1934      | 1           | UCK              | AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ |  |

## AM# 28: Multi-Drug Quantitation by LC-MS/MS

Extraction Date: 7/7/20 Analyst: Sarah Pickle  
 Plate item/lot#: IDP-111-2-200513 Plate Expiration: 11/13/20  
**Mobile phase A:** 5mM Amm Form + 0.01% FA **Mobile phase B:** 0.01% Formic Acid in MeOH  
**Blank Blood Lot:** 445283-4 **Blank Urine Lot:** POC031319  
**Column:** Agilent 120 EC-C18 (2.1x 100-2.7um) **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.
- 3. Create worklist

### Analytic:

- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. 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 5 minutes at ambient temperature. Pipette **250µL blood (calibrated pipette) or 250µL hydrolyzed urine** in wells of analytical (standards) plate. **Pipette ID: #16**
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 4. Pipette **250µL 0.5M 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/urine+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. **If run contains urine, add 50µL 1% HCl in MeOH to wells and place plate cover on plate before drying (optional).** Place on SPE Dry and evaporate to dryness at approx. 35°C.
- 16. Reconstitute in **100µL 20% MeOH** and heat seal plate with foil.

### Post-Analytic

- 1. Create batch and process data.
- 2. Make necessary changes to integration limits
- 3. Integration linear and R<sup>2</sup> values ≥0.98 for each analyte.
- 4. For unknown samples and controls: response ratio within 20% of average of controls and standards, RT within +/- 5% (tramadol RT +/-2%), S/N for primary transition >10 and secondary transitions >5.
- 5. Did all QCs pass for each analyte? Yes, see comments Add Control data to QC tracking spreadsheet.
- 6. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports.

COMMENTS: *Curve Range Limited: Amphetamine 5-500, Dihydrocodeine 5-500, Lamotrigine 5-250, Lorazepam 5-250*

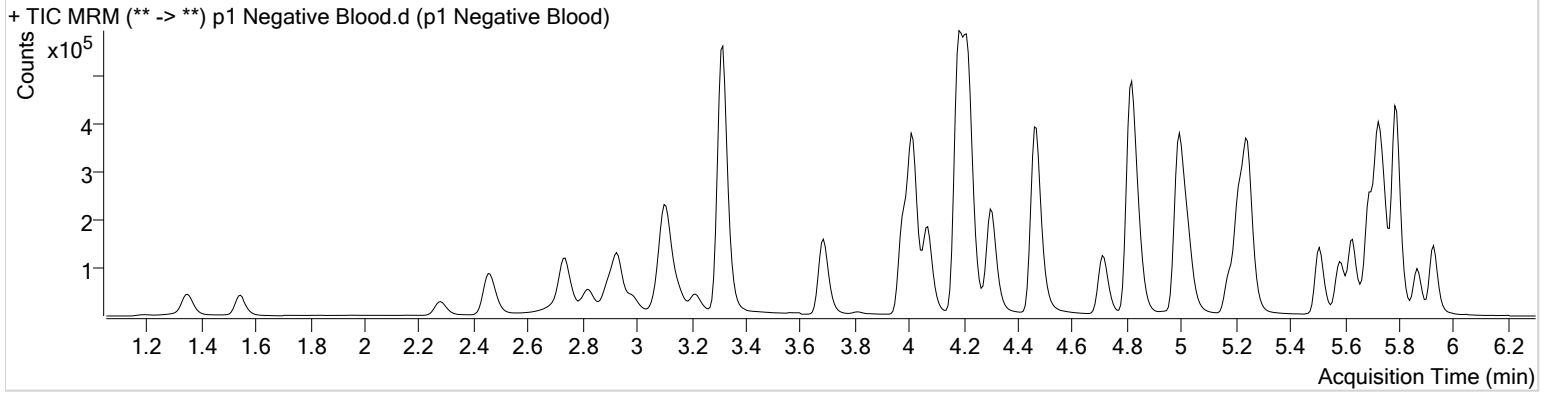
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2020\AM 27-28\070720 AM 27 28 SP\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 7/9/2020 10:39:35 AM

|                         |                      |                  |                     |
|-------------------------|----------------------|------------------|---------------------|
| <b>Instrument</b>       | Falco                | <b>Data File</b> | p1 Negative Blood.d |
| <b>Type</b>             | Sample               | <b>Sample</b>    | p1 Negative Blood   |
| <b>Acq. Method</b>      | MDQ P1 060520.m      | <b>Operator</b>  | Sarah Pickle        |
| <b>Sample Position</b>  | P5-F2                | <b>Comment</b>   |                     |
| <b>Injection Volume</b> | 2                    |                  |                     |
| <b>Acq. Date-Time</b>   | 7/7/2020 11:50:59 PM |                  |                     |
| <b>Sample Info.</b>     |                      |                  |                     |

## Sample Chromatogram



| Name            | RT    | Resp. | S/N   | Ratio | S/N   | ISTD Resp. | Final Conc.                    |
|-----------------|-------|-------|-------|-------|-------|------------|--------------------------------|
| Methamphetamine | 3.158 | 59265 | 87.96 | 37.6  | 58.74 | 375954     | 5.0520 ng/ml <sup>&lt;50</sup> |

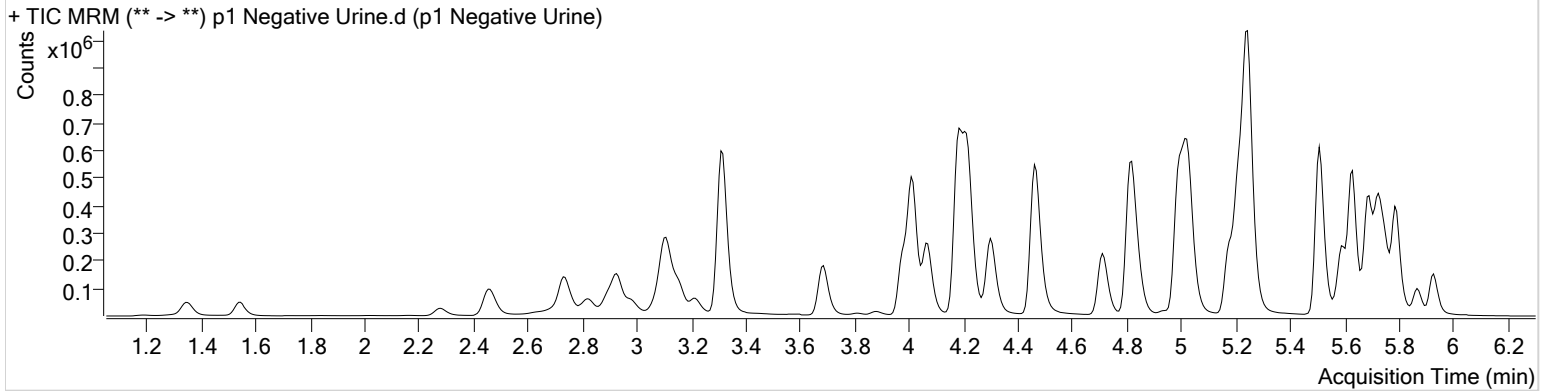


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2020\AM 27-28\070720 AM 27 28 SP\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 7/9/2020 10:39:35 AM

|                         |                      |                  |                     |
|-------------------------|----------------------|------------------|---------------------|
| <b>Instrument</b>       | Falco                | <b>Data File</b> | p1 Negative Urine.d |
| <b>Type</b>             | Sample               | <b>Sample</b>    | p1 Negative Urine   |
| <b>Acq. Method</b>      | MDQ P1 060520.m      | <b>Operator</b>  | Sarah Pickle        |
| <b>Sample Position</b>  | P5-G2                | <b>Comment</b>   |                     |
| <b>Injection Volume</b> | 2                    |                  |                     |
| <b>Acq. Date-Time</b>   | 7/8/2020 12:12:10 AM |                  |                     |
| <b>Sample Info.</b>     |                      |                  |                     |

## Sample Chromatogram



| Name            | RT    | Resp.  | S/N    | Ratio | S/N    | ISTD Resp. | Final Conc.                 |
|-----------------|-------|--------|--------|-------|--------|------------|-----------------------------|
| Methamphetamine | 3.158 | 167263 | 155.82 | 41.0  | 122.54 | 384688     | 19.4103 ng/ml <sup>50</sup> |

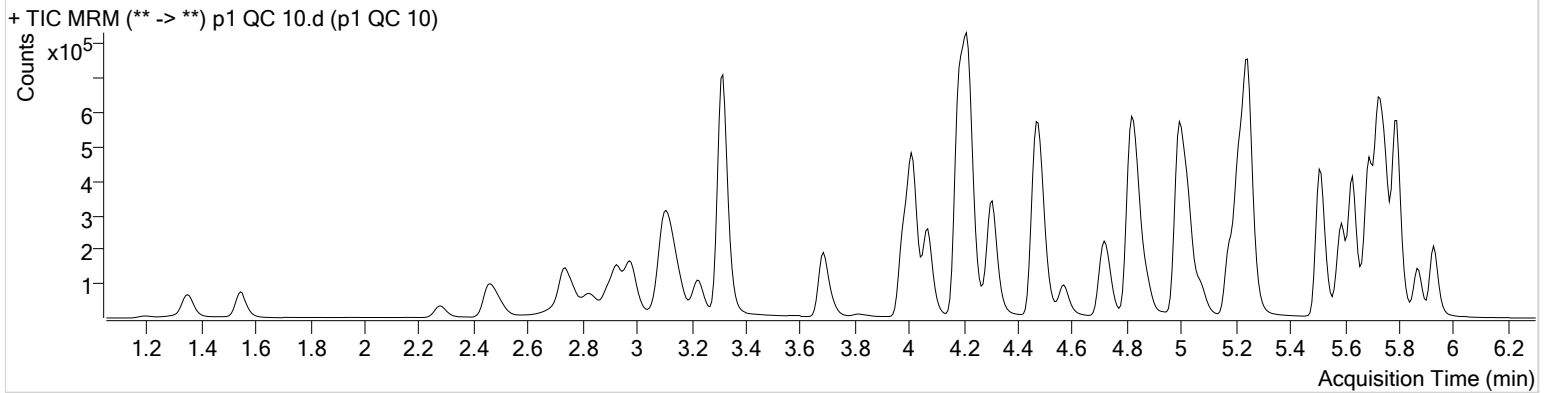
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2020\AM 27-28\070720 AM 27 28 SP\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 7/9/2020 10:39:35 AM

|                         |                      |                  |              |
|-------------------------|----------------------|------------------|--------------|
| <b>Instrument</b>       | Falco                | <b>Data File</b> | p1 QC 10.d   |
| <b>Type</b>             | QC                   | <b>Sample</b>    | p1 QC 10     |
| <b>Acq. Method</b>      | MDQ P1 060520.m      | <b>Operator</b>  | Sarah Pickle |
| <b>Sample Position</b>  | P5-A2                | <b>Comment</b>   |              |
| <b>Injection Volume</b> | 2                    |                  |              |
| <b>Acq. Date-Time</b>   | 7/7/2020 10:15:34 PM |                  |              |

## Sample Chromatogram



| Name                | RT    | Resp.  | S/N      | Ratio | S/N      | ISTD Resp. | Final Conc.   |
|---------------------|-------|--------|----------|-------|----------|------------|---------------|
| 6-MAM               | 3.079 | 2985   | ∞        | 76.3  | ∞        | 61307      | 1.0023 ng/ml  |
| 7-aminoclonazepam   | 4.216 | 67256  | 350.32   | 79.5  | 1369.15  | 247332     | 9.6210 ng/ml  |
| a-hydroxyalprazolam | 5.674 | 28929  | 296.42   | 62.2  | 568.70   | 67214      | 9.7541 ng/ml  |
| alpha-PVP           | 4.315 | 146511 | 5023.74  | 52.3  | 4023.86  | 648191     | 9.9698 ng/ml  |
| Alprazolam          | 5.751 | 94016  | 783.29   | 108.5 | 900.18   | 261324     | 10.3449 ng/ml |
| Amphetamine         | 2.983 | 221061 | 1447.24  | 52.1  | 669.75   | 219885     | 10.0881 ng/ml |
| Benzoylcegonine     | 3.838 | 4594   | 123.52   | 7.7   | 26.53    | 16442      | 10.2216 ng/ml |
| Buprenorphine       | 5.782 | 3671   | 88.40    | 18.0  | 92.48    | 158059     | 0.9414 ng/ml  |
| Bupropion           | 4.733 | 142491 | 838.12   | 59.0  | 342.15   | 463070     | 9.8595 ng/ml  |
| Carisoprodol        | 5.700 | 91435  | 10423.46 | 53.9  | 342.18   | 426135     | 10.3699 ng/ml |
| Citalopram          | 5.176 | 84914  | 2387.91  | 41.5  | 526.79   | 380323     | 9.9790 ng/ml  |
| Clonazepam          | 5.581 | 117116 | 2957.06  | 33.7  | 3124.07  | 138658     | 9.6617 ng/ml  |
| Cocaine             | 4.216 | 158997 | 10993.80 | 44.1  | 375.28   | 1109741    | 10.3963 ng/ml |
| Codeine             | 2.509 | 16607  | 1444.08  | 104.5 | 379.30   | 79111      | 9.9068 ng/ml  |
| Cyclobenzaprine     | 5.598 | 66702  | 3683.22  | 10.8  | 98.98    | 252237     | 10.2301 ng/ml |
| Dextromethorphan    | 5.219 | 47441  | 25275.05 | 81.4  | 221.88   | 217055     | 10.1246 ng/ml |
| Dextrorphan         | 4.070 | 36924  | 416.20   | 218.2 | 3229.55  | 481125     | 9.9244 ng/ml  |
| Diazepam            | 5.936 | 67675  | 1292.89  | 88.6  | 1899.08  | 321928     | 10.0168 ng/ml |
| Dihydrocodeine      | 2.488 | 42223  | 614.87   | 65.9  | 931.99   | 223652     | 9.4862 ng/ml  |
| Diphenhydramine     | 5.247 | 199638 | 1068.77  | 32.8  | 872.03   | 1363884    | 10.2256 ng/ml |
| Doxylamine          | 4.487 | 303898 | 10433.90 | 98.5  | 9311.33  | 1273842    | 9.5746 ng/ml  |
| EDDP                | 5.218 | 119985 | 1788.44  | 42.4  | 912.33   | 646042     | 9.7512 ng/ml  |
| Fentanyl            | 5.047 | 6558   | 269.71   | 64.6  | 11022.38 | 297645     | 0.9674 ng/ml  |
| Fluoxetine          | 5.690 | 82591  | 8893.67  | 9.3   | ∞        | 324909     | 10.3160 ng/ml |
| Hydrocodone         | 2.953 | 55633  | 608.00   | 39.9  | 85.11    | 336301     | 10.5154 ng/ml |
| Hydromorphone       | 1.553 | 43233  | ∞        | 76.6  | 286.31   | 142039     | 9.5884 ng/ml  |
| Ketamine            | 3.996 | 126576 | 1906.56  | 38.0  | 533.11   | 555407     | 9.9228 ng/ml  |
| Lamotrigine         | 4.226 | 11327  | 781.89   | 81.5  | 480.16   | 555407     | 10.8589 ng/ml |
| Lorazepam           | 5.722 | 100402 | ∞        | 56.9  | 133.73   | 138658     | 10.0226 ng/ml |
| MDA                 | 3.130 | 174169 | 2633.21  | 20.3  | 148.36   | 367259     | 10.6835 ng/ml |
| MDMA                | 3.231 | 109667 | ∞        | 67.8  | 833.59   | 104744     | 10.0779 ng/ml |
| Meprobamate         | 4.869 | 47620  | 1826.45  | 26.2  | ∞        | 233815     | 10.0673 ng/ml |
| Methadone           | 5.629 | 133675 | 3517.96  | 53.3  | 988.81   | 630427     | 9.9372 ng/ml  |

# AM #28 Multi-Drug Quant. Results

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| Name                 | RT    | Resp.  | S/N      | Ratio | S/N       | ISTD Resp. | Final Conc.   |
|----------------------|-------|--------|----------|-------|-----------|------------|---------------|
| Methamphetamine      | 3.158 | 137934 | 215.58   | 41.8  | 74.92     | 506566     | 10.9915 ng/ml |
| Metoprolol           | 4.278 | 23422  | 59094.13 | 97.3  | 484.94    | 1475269    | 10.0025 ng/ml |
| Mirtazapine          | 4.569 | 147323 | 4057.12  | 49.5  | 1946.62   | 648191     | 11.3888 ng/ml |
| Mitragynine          | 5.181 | 27753  | 72113.20 | 36.9  | 8344.69   | 630427     | 10.3724 ng/ml |
| Morphine             | 1.200 | 6480   | 1198.08  | 23.8  | 572.47    | 7459       | 9.6438 ng/ml  |
| Norbuprenorphine     | 4.944 | 533    | 37.84    | 66.0  | 700.73    | 18192      | 1.0125 ng/ml  |
| Nordiazepam          | 5.876 | 64629  | 490.86   | 58.0  | 610.06    | 202184     | 10.3820 ng/ml |
| Norfentanyl          | 4.037 | 21461  | 697.14   | 37.8  | 98.82     | 995963     | 0.9830 ng/ml  |
| Norhydrocodone       | 3.007 | 5218   | 119.83   | 45.8  | 53.37     | 62090      | 8.5724 ng/ml  |
| Noroxycodone         | 2.845 | 51606  | 499.99   | 48.2  | 14.99     | 169649     | 10.2249 ng/ml |
| O-desmethyl-tramadol | 3.317 | 298176 | 1321.37  | 6.0   | 2280.55   | 1571442    | 9.9080 ng/ml  |
| Oxazepam             | 5.732 | 116835 | 1815.12  | 70.5  | 98.32     | 679894     | 10.3892 ng/ml |
| Oxycodone            | 2.762 | 112838 | 889.77   | 31.3  | 895.83    | 482952     | 10.0481 ng/ml |
| Oxymorphone          | 1.356 | 48372  | 509.54   | 46.3  | 522.60    | 169400     | 10.0540 ng/ml |
| Phentermine          | 3.723 | 41358  | 245.38   | 3.4   | 181.29    | 509652     | 10.6139 ng/ml |
| Promethazine         | 5.508 | 145984 | 2771.39  | 31.0  | 192.13    | 637710     | 10.0043 ng/ml |
| Quetiapine           | 5.519 | 89475  | ∞        | 60.6  | 110.33    | 113958     | 10.1066 ng/ml |
| Sertraline           | 5.758 | 43170  | 1118.16  | 90.7  | 111735.85 | 170309     | 10.1797 ng/ml |
| Temazepam            | 5.793 | 198205 | 919.37   | 30.9  | 2074.54   | 957753     | 10.0963 ng/ml |
| Tramadol             | 4.197 | 289224 | 1787.70  | 3.3   | 242.27    | 1475269    | 10.0311 ng/ml |
| Trazodone            | 5.073 | 104484 | 1257.52  | 80.8  | 660.02    | 427586     | 9.7399 ng/ml  |
| Venlafaxine          | 4.994 | 219173 | 4462.93  | 36.5  | 755.17    | 1094851    | 10.6493 ng/ml |
| Zolpidem             | 4.838 | 283630 | 602.42   | 31.9  | 3940.16   | 1357419    | 10.0846 ng/ml |

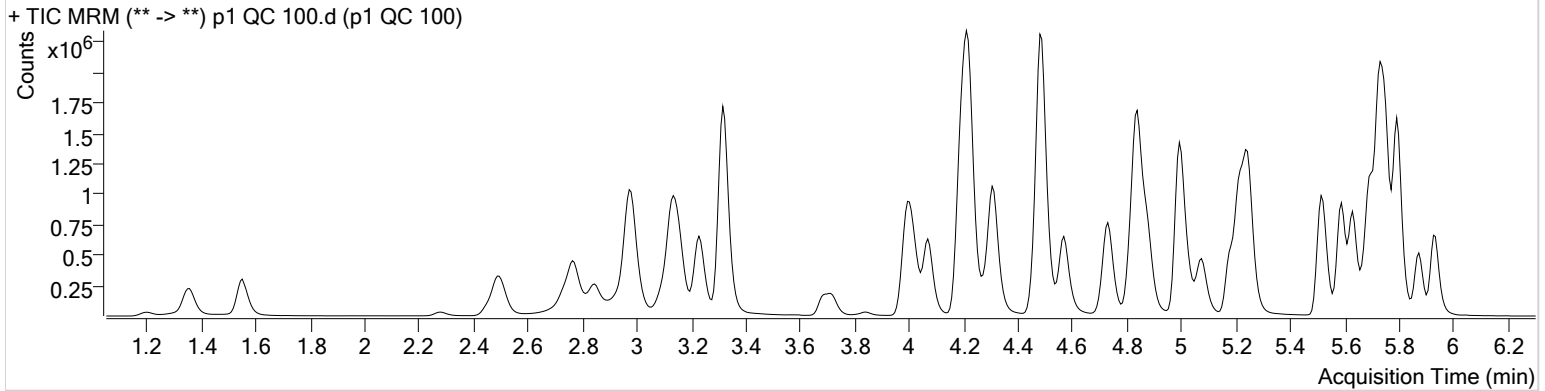
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2020\AM 27-28\070720 AM 27 28 SP\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 7/9/2020 10:39:35 AM

|                         |                      |                  |              |
|-------------------------|----------------------|------------------|--------------|
| <b>Instrument</b>       | Falco                | <b>Data File</b> | p1 QC 100.d  |
| <b>Type</b>             | QC                   | <b>Sample</b>    | p1 QC 100    |
| <b>Acq. Method</b>      | MDQ P1 060520.m      | <b>Operator</b>  | Sarah Pickle |
| <b>Sample Position</b>  | P5-B2                | <b>Comment</b>   |              |
| <b>Injection Volume</b> | 2                    |                  |              |
| <b>Acq. Date-Time</b>   | 7/7/2020 10:36:47 PM |                  |              |

## Sample Chromatogram



| Name                | RT    | Resp.   | S/N       | Ratio | S/N       | ISTD Resp. | Final Conc.    |
|---------------------|-------|---------|-----------|-------|-----------|------------|----------------|
| 6-MAM               | 3.085 | 30302   | 1242.66   | 69.4  | 3942.85   | 59119      | 10.6567 ng/ml  |
| 7-aminoclonazepam   | 4.216 | 589625  | 26196.58  | 82.4  | 12767.81  | 204274     | 113.7501 ng/ml |
| a-hydroxyalprazolam | 5.674 | 276915  | 2479.49   | 60.6  | 1787.84   | 61717      | 106.3002 ng/ml |
| alpha-PVP           | 4.315 | 1344956 | 1512.61   | 51.5  | 2147.87   | 566618     | 100.8583 ng/ml |
| Alprazolam          | 5.751 | 891622  | 6615.38   | 104.0 | 2950.48   | 232261     | 103.2043 ng/ml |
| Amphetamine         | 2.983 | 1698128 | 8729.40   | 53.7  | 6295.31   | 184951     | 103.8642 ng/ml |
| Benzoylcegonine     | 3.838 | 46480   | 1526.73   | 7.9   | 158.17    | 16183      | 103.5955 ng/ml |
| Buprenorphine       | 5.782 | 23648   | 553.74    | 16.2  | 358.82    | 95937      | 9.8985 ng/ml   |
| Bupropion           | 4.733 | 1152044 | 77050.38  | 60.4  | 9754.74   | 361709     | 103.7592 ng/ml |
| Carisoprodol        | 5.700 | 826522  | 1762.39   | 54.2  | 1004.94   | 374437     | 107.9638 ng/ml |
| Citalopram          | 5.176 | 587775  | 1700.02   | 42.4  | 2736.43   | 253366     | 102.8803 ng/ml |
| Clonazepam          | 5.588 | 1101013 | 5968.97   | 33.5  | 6646.37   | 124326     | 107.5441 ng/ml |
| Cocaine             | 4.216 | 1439121 | 103166.11 | 44.4  | 39432.96  | 980707     | 103.4512 ng/ml |
| Codeine             | 2.509 | 160976  | 1378.67   | 104.7 | 1067.24   | 71654      | 108.6480 ng/ml |
| Cyclobenzaprine     | 5.598 | 378300  | ∞         | 10.2  | 719.02    | 140849     | 102.7785 ng/ml |
| Dextromethorphan    | 5.219 | 296425  | 3716.52   | 79.8  | 4899.36   | 134323     | 102.4107 ng/ml |
| Dextrorphan         | 4.070 | 343956  | 39121.24  | 211.4 | 5237.63   | 424224     | 101.9657 ng/ml |
| Diazepam            | 5.936 | 630538  | 8249.30   | 87.5  | 17438.22  | 287241     | 107.1954 ng/ml |
| Dihydrocodeine      | 2.488 | 421516  | 2599.15   | 64.0  | 12796.53  | 217774     | 113.4291 ng/ml |
| Diphenhydramine     | 5.247 | 1342287 | 36560.26  | 33.3  | 485.31    | 894241     | 100.0704 ng/ml |
| Doxylamine          | 4.487 | 2888153 | ∞         | 97.7  | 131825.38 | 1157271    | 107.0553 ng/ml |
| EDDP                | 5.218 | 976673  | 1683.72   | 42.5  | 7608.09   | 507951     | 102.4066 ng/ml |
| Fentanyl            | 5.047 | 39180   | 1656.00   | 65.0  | ∞         | 165754     | 10.5944 ng/ml  |
| Fluoxetine          | 5.690 | 447624  | 1329.98   | 8.8   | 2119.47   | 169539     | 107.4381 ng/ml |
| Hydrocodone         | 2.959 | 531415  | ∞         | 38.5  | 383.25    | 317558     | 114.4794 ng/ml |
| Hydromorphone       | 1.553 | 425267  | ∞         | 79.8  | 2719.26   | 133072     | 101.3258 ng/ml |
| Ketamine            | 3.996 | 1206107 | 49073.52  | 38.8  | 3753.47   | 513438     | 106.5603 ng/ml |
| Lamotrigine         | 4.226 | 98880   | ∞         | 81.3  | 27577.38  | 513438     | 112.0708 ng/ml |
| Lorazepam           | 5.722 | 847742  | 7881.14   | 56.8  | ∞         | 124326     | 106.2284 ng/ml |
| MDA                 | 3.130 | 1470086 | 25750.28  | 20.3  | 308.33    | 308963     | 113.1088 ng/ml |
| MDMA                | 3.231 | 1000248 | 149215.72 | 67.5  | 11077.54  | 91538      | 107.6300 ng/ml |
| Meprobamate         | 4.869 | 409561  | 1353.56   | 26.3  | 677.60    | 195976     | 106.5012 ng/ml |
| Methadone           | 5.629 | 862474  | 6793.40   | 51.2  | 277233.58 | 379912     | 102.3365 ng/ml |





# AM #28 Multi-Drug Quant. Results

| Name                 | RT    | Resp.   | S/N       | Ratio | S/N      | ISTD Resp. | Final Conc.    |
|----------------------|-------|---------|-----------|-------|----------|------------|----------------|
| Methamphetamine      | 3.158 | 828717  | 1684.49   | 42.9  | 1689.96  | 378869     | 110.2000 ng/ml |
| Metoprolol           | 4.278 | 222355  | 394430.33 | 95.8  | ∞        | 1333585    | 106.0951 ng/ml |
| Mirtazapine          | 4.569 | 1075006 | 7716.24   | 49.2  | 42239.07 | 566618     | 95.3369 ng/ml  |
| Mitragynine          | 5.181 | 165128  | 10686.46  | 37.5  | 6448.00  | 379912     | 108.0080 ng/ml |
| Morphine             | 1.200 | 66695   | 1297.49   | 22.6  | 285.84   | 7229       | 104.1903 ng/ml |
| Norbuprenorphine     | 4.944 | 2970    | 92.97     | 77.9  | 4424.70  | 11495      | 11.1632 ng/ml  |
| Nordiazepam          | 5.876 | 595914  | 1614.76   | 57.7  | 1521.65  | 181237     | 109.1822 ng/ml |
| Norfentanyl          | 4.037 | 213241  | 6079.85   | 37.3  | 1242.66  | 923611     | 9.9121 ng/ml   |
| Norhydrocodone       | 3.007 | 49700   | 416.17    | 43.6  | 427.15   | 48962      | 93.9786 ng/ml  |
| Noroxycodone         | 2.845 | 491523  | 2190.75   | 48.9  | 2526.47  | 156493     | 108.7063 ng/ml |
| O-desmethyl-tramadol | 3.317 | 2950597 | 6127.86   | 5.9   | 21941.46 | 1466100    | 104.0074 ng/ml |
| Oxazepam             | 5.732 | 1010961 | ∞         | 70.2  | 37618.20 | 576124     | 109.1722 ng/ml |
| Oxycodone            | 2.762 | 1110918 | 2107.09   | 31.2  | 9320.39  | 454532     | 107.4146 ng/ml |
| Oxymorphone          | 1.356 | 450606  | 4345.74   | 47.8  | 1047.60  | 151636     | 107.0928 ng/ml |
| Phentermine          | 3.723 | 344147  | 4237.38   | 3.3   | 669.05   | 426361     | 111.2900 ng/ml |
| Promethazine         | 5.515 | 839594  | 45597.61  | 30.4  | 857.85   | 348598     | 102.8033 ng/ml |
| Quetiapine           | 5.519 | 657423  | 89489.35  | 59.3  | 28523.40 | 79004      | 109.3524 ng/ml |
| Sertraline           | 5.758 | 221239  | 32715.63  | 90.9  | 862.36   | 85225      | 102.5498 ng/ml |
| Temazepam            | 5.793 | 1891859 | ∞         | 30.3  | 1224.51  | 898464     | 102.2752 ng/ml |
| Tramadol             | 4.197 | 2713601 | 5139.10   | 3.4   | 2925.12  | 1333585    | 108.2233 ng/ml |
| Trazodone            | 5.073 | 658613  | 43787.54  | 78.7  | 90382.81 | 262351     | 99.8934 ng/ml  |
| Venlafaxine          | 4.994 | 2015165 | 2729.76   | 35.9  | 3116.29  | 945023     | 107.6294 ng/ml |
| Zolpidem             | 4.838 | 2767230 | ∞         | 30.8  | ∞        | 1280573    | 108.1691 ng/ml |

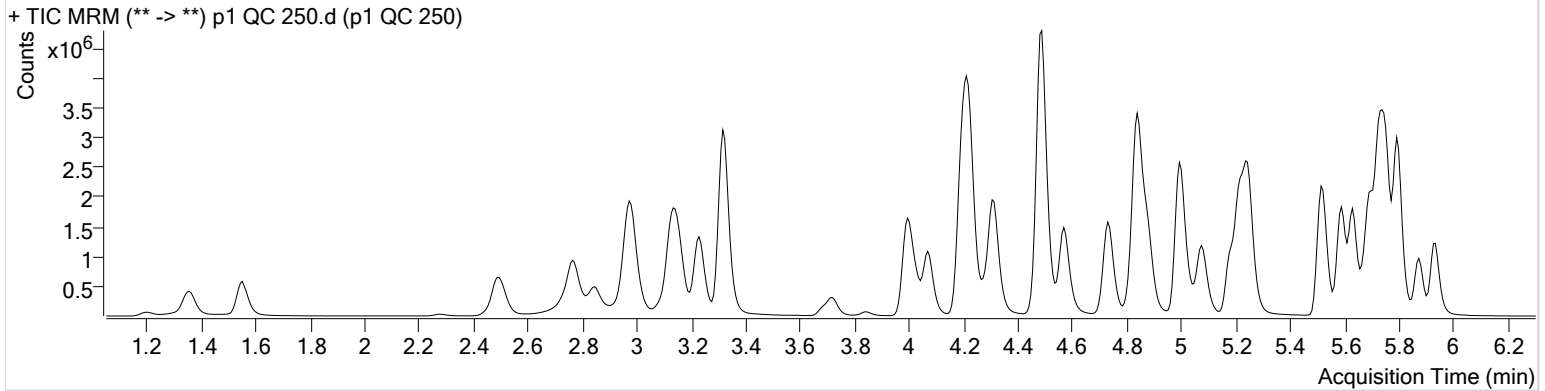
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2020\AM 27-28\070720 AM 27 28 SP\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 7/9/2020 10:39:35 AM

|                         |                      |                  |              |
|-------------------------|----------------------|------------------|--------------|
| <b>Instrument</b>       | Falco                | <b>Data File</b> | p1 QC 250.d  |
| <b>Type</b>             | QC                   | <b>Sample</b>    | p1 QC 250    |
| <b>Acq. Method</b>      | MDQ P1 060520.m      | <b>Operator</b>  | Sarah Pickle |
| <b>Sample Position</b>  | P5-C2                | <b>Comment</b>   |              |
| <b>Injection Volume</b> | 2                    |                  |              |
| <b>Acq. Date-Time</b>   | 7/7/2020 10:57:57 PM |                  |              |

## Sample Chromatogram



| Name                | RT    | Resp.   | S/N       | Ratio | S/N        | ISTD Resp. | Final Conc.    |
|---------------------|-------|---------|-----------|-------|------------|------------|----------------|
| 6-MAM               | 3.079 | 68999   | 2501.76   | 73.3  | 1098.00    | 56538      | 25.3892 ng/ml  |
| 7-aminoclonazepam   | 4.223 | 1130629 | 4442.32   | 83.0  | 17288.83   | 172844     | 259.3147 ng/ml |
| a-hydroxyalprazolam | 5.674 | 579074  | 2290.05   | 61.3  | 1272.54    | 54867      | 250.7067 ng/ml |
| alpha-PVP           | 4.315 | 2844845 | 1965.65   | 52.0  | 9184.09    | 497520     | 242.3951 ng/ml |
| Alprazolam          | 5.751 | 1889072 | 1949.70   | 104.8 | ∞          | 195907     | 258.1113 ng/ml |
| Amphetamine         | 2.983 | 3441373 | 7625.11   | 51.2  | 13060.18   | 165477     | 237.0851 ng/ml |
| Benzoylcegonine     | 3.838 | 113570  | 1508.42   | 8.1   | 323.82     | 16328      | 250.6564 ng/ml |
| Buprenorphine       | 5.782 | 56788   | 1371.52   | 16.2  | 1474.23    | 91044      | 25.0327 ng/ml  |
| Bupropion           | 4.733 | 2553366 | 94299.76  | 59.8  | 2268.08    | 331548     | 251.1486 ng/ml |
| Carisoprodol        | 5.700 | 1645465 | 15872.69  | 54.4  | 42538.86   | 315329     | 255.4153 ng/ml |
| Citalopram          | 5.183 | 1322342 | 889.68    | 42.0  | 15149.69   | 235399     | 248.9983 ng/ml |
| Clonazepam          | 5.588 | 2299343 | 2960.68   | 32.8  | 50802.99   | 112250     | 249.6206 ng/ml |
| Cocaine             | 4.216 | 2987506 | 193045.80 | 43.6  | 5480754.58 | 847234     | 248.1299 ng/ml |
| Codeine             | 2.509 | 338143  | ∞         | 103.2 | 1028.11    | 65414      | 250.3462 ng/ml |
| Cyclobenzaprine     | 5.598 | 963388  | 1058.26   | 10.5  | 837.40     | 146862     | 250.8436 ng/ml |
| Dextromethorphan    | 5.219 | 682857  | 25672.09  | 79.3  | 650.07     | 126613     | 250.3131 ng/ml |
| Dextrorphan         | 4.070 | 714828  | 24241.08  | 212.2 | 3626.63    | 369073     | 243.1581 ng/ml |
| Diazepam            | 5.936 | 1353068 | 1678.02   | 86.7  | 10924.81   | 256928     | 257.5543 ng/ml |
| Dihydrocodeine      | 2.488 | 906755  | 1667.13   | 64.7  | 5934.47    | 204384     | 262.2513 ng/ml |
| Diphenhydramine     | 5.247 | 3155926 | 1106.63   | 32.6  | 574.36     | 857350     | 244.6534 ng/ml |
| Doxylamine          | 4.487 | 6378267 | 141192.68 | 97.6  | 189747.53  | 1046329    | 262.5430 ng/ml |
| EDDP                | 5.218 | 2217782 | 2256.75   | 42.7  | 6763.87    | 482825     | 244.8571 ng/ml |
| Fentanyl            | 5.047 | 101415  | 1512.45   | 64.0  | ∞          | 180001     | 25.2829 ng/ml  |
| Fluoxetine          | 5.690 | 1071183 | 3149.35   | 9.0   | ∞          | 171689     | 253.9278 ng/ml |
| Hydrocodone         | 2.953 | 1067402 | ∞         | 39.6  | 965.66     | 290097     | 252.7766 ng/ml |
| Hydromorphone       | 1.553 | 917330  | ∞         | 75.9  | 1049.65    | 121298     | 239.8758 ng/ml |
| Ketamine            | 3.996 | 2620873 | 224890.31 | 39.0  | 1536.37    | 475567     | 250.6141 ng/ml |
| Lamotrigine         | 4.232 | 189664  | 5807.50   | 81.5  | ∞          | 475567     | 233.2926 ng/ml |
| Lorazepam           | 5.722 | 1450279 | 5873.91   | 55.4  | 7399.60    | 112250     | 202.5414 ng/ml |
| MDA                 | 3.130 | 2892967 | 9814.68   | 19.9  | 341.41     | 264149     | 261.2014 ng/ml |
| MDMA                | 3.231 | 2138472 | 113318.57 | 67.5  | 54693.13   | 81422      | 259.0594 ng/ml |
| Meprobamate         | 4.869 | 782767  | 99429.88  | 25.9  | 1767.51    | 162059     | 246.6024 ng/ml |
| Methadone           | 5.629 | 2102975 | 6586.86   | 51.6  | ∞          | 382932     | 246.9673 ng/ml |

# AM #28 Multi-Drug Quant. Results



| Name                 | RT    | Resp.   | S/N        | Ratio | S/N       | ISTD Resp. | Final Conc.    |
|----------------------|-------|---------|------------|-------|-----------|------------|----------------|
| Methamphetamine      | 3.158 | 1743743 | 1268.91    | 42.0  | 1651.79   | 338115     | 264.0547 ng/ml |
| Metoprolol           | 4.278 | 463423  | 3722393.73 | 96.4  | 8295.61   | 1193796    | 247.1582 ng/ml |
| Mirtazapine          | 4.569 | 2487004 | 21068.39   | 49.7  | 38443.42  | 497520     | 251.2528 ng/ml |
| Mitragynine          | 5.181 | 414487  | 36785.19   | 38.5  | 58048.66  | 382932     | 269.9121 ng/ml |
| Morphine             | 1.200 | 146507  | 862.22     | 22.4  | 1170.40   | 6711       | 246.8031 ng/ml |
| Norbuprenorphine     | 4.944 | 6763    | 164.61     | 87.1  | 6808.88   | 11904      | 24.8868 ng/ml  |
| Nordiazepam          | 5.876 | 1255290 | 2449.32    | 58.2  | 2623.56   | 159664     | 261.4256 ng/ml |
| Norfentanyl          | 4.037 | 465881  | 4465.31    | 37.5  | 1172.58   | 826698     | 24.1023 ng/ml  |
| Norhydrocodone       | 3.007 | 103027  | ∞          | 42.9  | 907.21    | 37329      | 254.0424 ng/ml |
| Noroxycodone         | 2.845 | 1009916 | 2411.56    | 48.9  | 4039.98   | 136546     | 256.4389 ng/ml |
| O-desmethyl-tramadol | 3.317 | 6678731 | 10827.72   | 5.9   | 2980.67   | 1341950    | 257.0367 ng/ml |
| Oxazepam             | 5.732 | 1853556 | 97050.00   | 71.3  | 12683.66  | 456428     | 253.0944 ng/ml |
| Oxycodone            | 2.762 | 2521506 | 10345.76   | 30.8  | 4971.88   | 432225     | 256.7245 ng/ml |
| Oxymorphone          | 1.356 | 954775  | 1897.36    | 48.2  | ∞         | 140218     | 245.7306 ng/ml |
| Phentermine          | 3.723 | 731064  | 5338.24    | 3.0   | 1070.65   | 379558     | 266.4488 ng/ml |
| Promethazine         | 5.508 | 2139886 | 9557.48    | 30.6  | 3518.21   | 372087     | 245.1185 ng/ml |
| Quetiapine           | 5.519 | 1549176 | 224632.07  | 59.4  | 4136.88   | 79629      | 255.9709 ng/ml |
| Sertraline           | 5.758 | 497631  | 8805.28    | 91.6  | 2528.69   | 79410      | 247.2974 ng/ml |
| Temazepam            | 5.792 | 4163751 | 2722.61    | 29.7  | 16042.37  | 815523     | 247.9178 ng/ml |
| Tramadol             | 4.197 | 5708066 | 174147.72  | 3.3   | 893.84    | 1193796    | 254.8959 ng/ml |
| Trazodone            | 5.073 | 1717181 | 314631.64  | 80.0  | 223705.73 | 285146     | 239.6034 ng/ml |
| Venlafaxine          | 4.994 | 4386164 | 4574.12    | 35.2  | 1745.78   | 840990     | 262.3728 ng/ml |
| Zolpidem             | 4.838 | 6319562 | 585786.32  | 30.3  | 112639.14 | 1221841    | 259.4795 ng/ml |

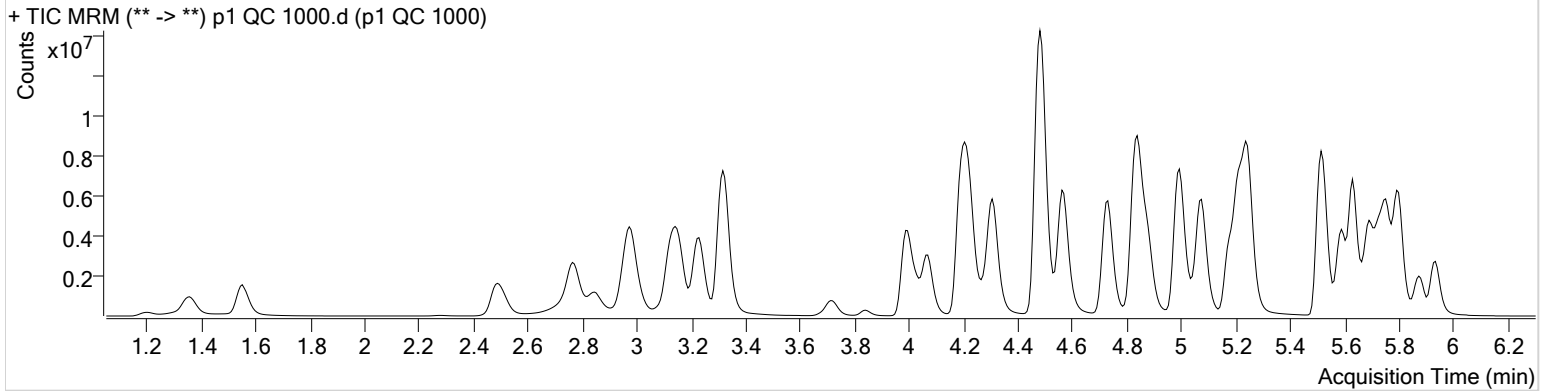
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2020\AM 27-28\070720 AM 27 28 SP\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 7/9/2020 10:39:35 AM

|                         |                      |                  |              |
|-------------------------|----------------------|------------------|--------------|
| <b>Instrument</b>       | Falco                | <b>Data File</b> | p1 QC 1000.d |
| <b>Type</b>             | QC                   | <b>Sample</b>    | p1 QC 1000   |
| <b>Acq. Method</b>      | MDQ P1 060520.m      | <b>Operator</b>  | Sarah Pickle |
| <b>Sample Position</b>  | P5-D2                | <b>Comment</b>   |              |
| <b>Injection Volume</b> | 2                    |                  |              |
| <b>Acq. Date-Time</b>   | 7/7/2020 11:19:09 PM |                  |              |

## Sample Chromatogram



| Name                | RT               | Resp.              | S/N                 | Ratio           | S/N                 | ISTD Resp.        | Final Conc.               |
|---------------------|------------------|--------------------|---------------------|-----------------|---------------------|-------------------|---------------------------|
| 6-MAM               | 3.079            | 258265             | 6382.83             | 70.4            | 15396.38            | 53403             | 100.6415 ng/ml            |
| 7-aminoclonazepam   | 4.230            | 1741437            | 64356.99            | 82.5            | 14094.04            | 71310             | 971.4017 ng/ml            |
| a-hydroxyalprazolam | 5.668            | 1295816            | ∞                   | 62.2            | 1543.10             | 34352             | 897.3078 ng/ml            |
| alpha-PVP           | 4.308            | 9800628            | 224129.37           | 50.4            | 115291.46           | 404680            | 1025.3314 ng/ml           |
| Alprazolam          | 5.751            | 4492413            | 2484.99             | 105.3           | 1339.76             | 115980            | 1034.5804 ng/ml           |
| * Amphetamine       | <del>2.983</del> | <del>8521996</del> | <del>19102.06</del> | 50.6            | <del>59101.61</del> | <del>161971</del> | <del>602.0176 ng/ml</del> |
| Benzoylcegonine     | 3.838            | 501580             | 26022.61            | 7.9             | 97949.81            | 16263             | 1110.9188 ng/ml           |
| Buprenorphine       | 5.782            | 249774             | 2971.03             | 15.9            | 7250.23             | 94174             | 106.4116 ng/ml            |
| Bupropion           | 4.733            | 10143595           | 6102.78             | 58.7            | 3198.72             | 328463            | 1007.6431 ng/ml           |
| Carisoprodol        | 5.700            | 3100324            | 462.67              | 53.0            | 40061.79            | 143757            | 1056.0374 ng/ml           |
| Citalopram          | 5.176            | 4869253            | 2505.91             | 41.5            | 3001.99             | 210539            | 1024.8794 ng/ml           |
| Clonazepam          | 5.581            | 4545244            | 72838.39            | 32.4            | 28529.40            | 67478             | 822.3384 ng/ml            |
| Cocaine             | 4.216            | 8559978            | 301579.05           | 42.6            | 197562.33           | 579225            | 1038.8711 ng/ml           |
| Codeine             | 2.509            | 903066             | 3149.61             | 103.4           | 2287.61             | 48639             | 899.8869 ng/ml            |
| Cyclobenzaprine     | 5.598            | 4393831            | 1707.06             | 10.2            | ∞                   | 154835            | 1084.7363 ng/ml           |
| Dextromethorphan    | 5.219            | 2260185            | 134518.42           | 77.6            | 8207.48             | 101981            | 1028.6889 ng/ml           |
| Dextropropion       | 4.070            | 2373787            | 182735.70           | 214.0           | 231631.68           | 296300            | 1004.8492 ng/ml           |
| Diazepam            | 5.936            | 3531393            | 2565.53             | 87.6            | ∞                   | 171158            | 1009.8463 ng/ml           |
| * Dihydrocodeine    | <del>2.481</del> | <del>2647363</del> | ∞                   | <del>62.9</del> | <del>1890.99</del>  | <del>192851</del> | <del>815.1156 ng/ml</del> |
| Diphenhydramine     | 5.247            | 12773805           | 2290.35             | 32.2            | 677.04              | 812134            | 1043.6880 ng/ml           |
| Doxylamine          | 4.480            | 21437553           | 1791964.00          | 98.8            | 560644.61           | 995744            | 929.0876 ng/ml            |
| EDDP                | 5.211            | 8834602            | 13621.41            | 41.2            | 230263.05           | 451752            | 1042.9930 ng/ml           |
| Fentanyl            | 5.040            | 518495             | 3859.04             | 66.3            | 880.40              | 224754            | 103.5914 ng/ml            |
| Fluoxetine          | 5.690            | 4433364            | 1580.19             | 8.5             | 1066.48             | 168702            | 1069.6463 ng/ml           |
| Hydrocodone         | 2.953            | 3346657            | 1007.84             | 39.6            | 2059.02             | 263784            | 873.7714 ng/ml            |
| Hydromorphone       | 1.553            | 2794333            | ∞                   | 76.8            | ∞                   | 95541             | 927.8839 ng/ml            |
| Ketamine            | 3.990            | 8580676            | 225055.79           | 37.6            | 27165.82            | 411898            | 948.6136 ng/ml            |
| * Lamotrigine       | <del>4.232</del> | <del>365103</del>  | <del>35322.99</del> | <del>78.6</del> | <del>25985.52</del> | <del>411898</del> | <del>519.8847 ng/ml</del> |
| * Lorazepam         | <del>5.722</del> | <del>1655268</del> | ∞                   | <del>58.3</del> | <del>3969.71</del>  | <del>67478</del>  | <del>385.8134 ng/ml</del> |
| MDA                 | 3.123            | 6534256            | 109294.48           | 18.8            | 610.86              | 189241            | 824.9056 ng/ml            |
| MDMA                | 3.231            | 6919051            | 577052.45           | 66.8            | 227973.50           | 66698             | 1023.9951 ng/ml           |
| Meprobamate         | 4.869            | 1258694            | 37439.56            | 25.9            | 16004.66            | 70969             | 906.4213 ng/ml            |
| Methadone           | 5.629            | 9480578            | 3816.29             | 49.6            | 3172.09             | 401135            | 1061.4675 ng/ml           |

# AM #28 Multi-Drug Quant. Results



| Name                 | RT    | Resp.    | S/N        | Ratio | S/N        | ISTD Resp. | Final Conc.     |
|----------------------|-------|----------|------------|-------|------------|------------|-----------------|
| Methamphetamine      | 3.158 | 6422419  | 25184.07   | 41.8  | 11014.92   | 368294     | 900.2688 ng/ml  |
| Metoprolol           | 4.278 | 1338962  | 1563308.40 | 96.6  | ∞          | 980348     | 869.8703 ng/ml  |
| Mirtazapine          | 4.562 | 11218822 | 573179.36  | 48.5  | ∞          | 404680     | 1393.5809 ng/ml |
| Mitragynine          | 5.181 | 1717604  | 200707.67  | 38.8  | 26594.81   | 401135     | 1069.6045 ng/ml |
| Morphine             | 1.200 | 478208   | 53262.20   | 23.4  | 3069.58    | 5551       | 974.4090 ng/ml  |
| Norbuprenorphine     | 4.944 | 32613    | 26785.52   | 82.5  | 1652.39    | 14743      | 97.7241 ng/ml   |
| Nordiazepam          | 5.876 | 3057896  | 57354.67   | 58.1  | 58673.24   | 102628     | 991.4813 ng/ml  |
| Norfentanyl          | 4.037 | 1784019  | 119658.16  | 37.4  | 4524.94    | 660065     | 115.3536 ng/ml  |
| Norhydrocodone       | 3.007 | 347160   | 89.01      | 41.9  | 64.39      | 27279      | 1168.2884 ng/ml |
| Noroxycodone         | 2.845 | 2638846  | 1455.38    | 47.2  | 258.30     | 89400      | 1024.4261 ng/ml |
| O-desmethyl-tramadol | 3.317 | 19781104 | 234267.34  | 5.9   | 69312.04   | 1003338    | 1017.8841 ng/ml |
| Oxazepam             | 5.726 | 2532431  | 7838.35    | 69.6  | 11457.94   | 169663     | 931.1446 ng/ml  |
| Oxycodone            | 2.762 | 8438370  | ∞          | 30.5  | 20222.64   | 386448     | 961.5829 ng/ml  |
| Oxymorphone          | 1.356 | 2726335  | ∞          | 47.8  | ∞          | 108739     | 905.5131 ng/ml  |
| Phentermine          | 3.716 | 2219664  | 6240.64    | 3.0   | 1791.02    | 368911     | 833.7000 ng/ml  |
| Promethazine         | 5.508 | 10177550 | 401901.71  | 28.8  | 3033.98    | 412319     | 1051.2093 ng/ml |
| Quetiapine           | 5.519 | 5913034  | 451.59     | 59.6  | 148673.96  | 86544      | 899.5358 ng/ml  |
| Sertraline           | 5.758 | 1510177  | 80453.56   | 93.1  | 395359.12  | 59088      | 1008.0225 ng/ml |
| Temazepam            | 5.799 | 10657360 | 31327.32   | 28.9  | 131174.33  | 492787     | 1049.9870 ng/ml |
| Tramadol             | 4.190 | 16408550 | 3583.04    | 3.3   | 1932.11    | 980348     | 893.3611 ng/ml  |
| Trazodone            | 5.073 | 9006472  | 921589.44  | 77.9  | 2290405.39 | 341002     | 1050.7909 ng/ml |
| Venlafaxine          | 4.994 | 14934636 | 360462.70  | 34.8  | 2059.62    | 692829     | 1082.5242 ng/ml |
| Zolpidem             | 4.838 | 19511212 | ∞          | 30.7  | 231600.54  | 1098815    | 891.8301 ng/ml  |

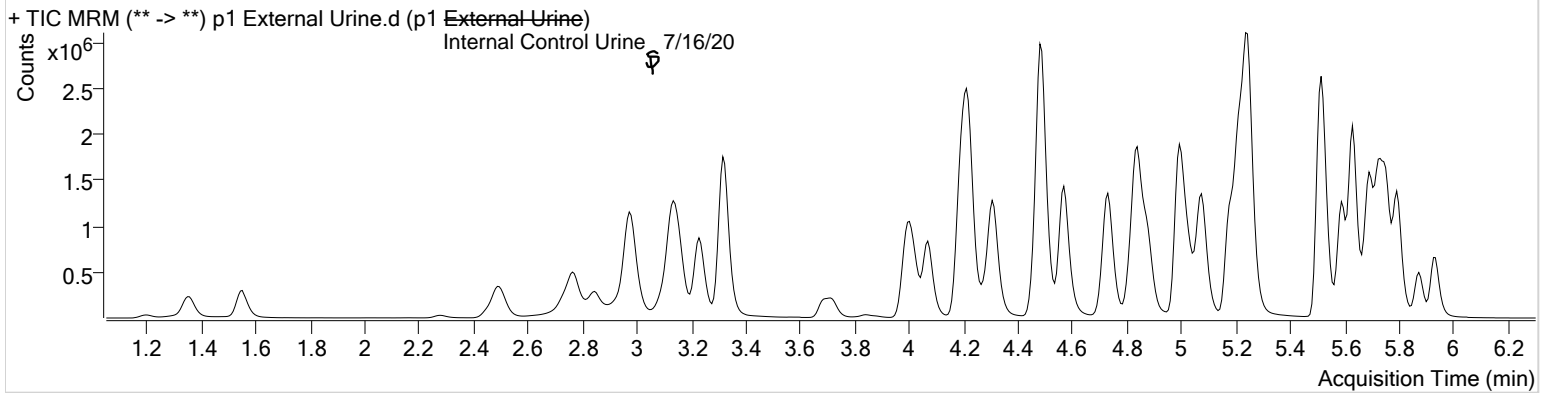
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2020\AM 27-28\070720 AM 27 28 SP\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 7/9/2020 10:39:35 AM

|                         |                      |                  |  |
|-------------------------|----------------------|------------------|--|
| <b>Instrument</b>       | Falco                | <b>Data File</b> | p1 External Urine.d                              |
| <b>Type</b>             | Sample               | <b>Sample</b>    | p1 External Urine Internal Control Urine 7/16/20 |
| <b>Acq. Method</b>      | MDQ P1 060520.m      | <b>Operator</b>  | Sarah Pickle                                     |
| <b>Sample Position</b>  | P5-E2                | <b>Comment</b>   |  |
| <b>Injection Volume</b> | 2                    |                  |  |
| <b>Acq. Date-Time</b>   | 7/8/2020 12:33:21 AM |                  |  |
| <b>Sample Info.</b>     |                      |                  |  |

## Sample Chromatogram



| Name                | RT    | Resp.   | S/N       | Ratio | S/N      | ISTD Resp. | Final Conc.    |
|---------------------|-------|---------|-----------|-------|----------|------------|----------------|
| 6-MAM               | 3.085 | 31613   | 2425.25   | 72.4  | 1670.86  | 62574      | 10.5041 ng/ml  |
| 7-aminoclonazepam   | 4.216 | 574296  | 494.26    | 82.2  | 1067.71  | 205086     | 110.3180 ng/ml |
| a-hydroxyalprazolam | 5.674 | 242519  | 1224.07   | 60.8  | 995.91   | 52940      | 108.5413 ng/ml |
| alpha-PVP           | 4.315 | 1628043 | 69843.35  | 52.1  | 3533.33  | 686217     | 100.8091 ng/ml |
| Alprazolam          | 5.751 | 740111  | 1792.74   | 105.2 | 1226.75  | 189087     | 105.2127 ng/ml |
| Amphetamine         | 2.983 | 1979330 | 12087.40  | 51.6  | 14903.50 | 213801     | 104.7397 ng/ml |
| Benzoylcegonine     | 3.838 | 50182   | 931.83    | 8.3   | 357.50   | 16155      | 112.0311 ng/ml |
| Buprenorphine       | 5.789 | 54208   | 1527.52   | 16.5  | ∞        | 221722     | 9.8178 ng/ml   |
| Bupropion           | 4.733 | 2065571 | 75798.84  | 59.6  | ∞        | 625731     | 107.5465 ng/ml |
| Carisoprodol        | 5.700 | 720333  | 2355.89   | 54.9  | 680.82   | 330007     | 106.7592 ng/ml |
| Citalopram          | 5.176 | 1323257 | 2106.24   | 42.0  | 950.45   | 558404     | 105.0892 ng/ml |
| Clonazepam          | 5.581 | 943138  | 2266.25   | 33.2  | 5398.27  | 110282     | 103.8322 ng/ml |
| Cocaine             | 4.216 | 1574299 | 103471.42 | 43.5  | 18146.05 | 1054875    | 105.2060 ng/ml |
| Codeine             | 2.509 | 167768  | 4519.95   | 104.3 | 1946.23  | 75530      | 107.4180 ng/ml |
| Cyclobenzaprine     | 5.598 | 1072393 | 21849.73  | 10.2  | ∞        | 393691     | 104.2343 ng/ml |
| Dextromethorphan    | 5.219 | 814313  | 56516.75  | 80.4  | 9129.70  | 363394     | 103.9911 ng/ml |
| Dextrorphan         | 4.070 | 457479  | ∞         | 213.8 | 3869.47  | 565086     | 101.8133 ng/ml |
| Diazepam            | 5.936 | 628033  | 1484.70   | 88.0  | ∞        | 285028     | 107.5997 ng/ml |
| Dihydrocodeine      | 2.488 | 443637  | 3606.81   | 63.3  | 3529.87  | 227465     | 114.3094 ng/ml |
| Diphenhydramine     | 5.247 | 3277755 | 210417.88 | 33.1  | 11443.40 | 2144696    | 101.8792 ng/ml |
| Doxylamine          | 4.487 | 3695812 | ∞         | 98.2  | ∞        | 1458566    | 108.7055 ng/ml |
| EDDP                | 5.218 | 1557238 | 39675.19  | 42.2  | 2656.25  | 812815     | 102.0380 ng/ml |
| Fentanyl            | 5.047 | 135208  | 729.82    | 65.7  | 3010.69  | 573742     | 10.5622 ng/ml  |
| Fluoxetine          | 5.690 | 1267443 | 45523.90  | 8.6   | 3753.89  | 480932     | 107.2409 ng/ml |
| Hydrocodone         | 2.959 | 574490  | ∞         | 38.9  | 460.98   | 351570     | 111.7650 ng/ml |
| Hydromorphone       | 1.553 | 420341  | 730.48    | 78.5  | ∞        | 135314     | 98.4906 ng/ml  |
| Ketamine            | 3.996 | 1297977 | 31771.23  | 38.9  | 1799.43  | 549297     | 107.1934 ng/ml |
| Lamotrigine         | 4.226 | 105371  | 5622.13   | 82.3  | 2579.57  | 549297     | 111.6271 ng/ml |
| Lorazepam           | 5.722 | 651556  | 2223.33   | 55.4  | ∞        | 110282     | 91.8539 ng/ml  |
| MDA                 | 3.130 | 1933865 | 5478.84   | 20.1  | 292.76   | 414989     | 110.7633 ng/ml |
| MDMA                | 3.231 | 1343900 | ∞         | 67.4  | 9339.98  | 122868     | 107.7349 ng/ml |
| Meprobamate         | 4.869 | 386203  | ∞         | 25.8  | 2013.24  | 186631     | 105.4523 ng/ml |
| Methadone           | 5.629 | 2215042 | 2077.38   | 51.5  | 1699.68  | 961879     | 103.8017 ng/ml |

# AM #28 Multi-Drug Quant. Results

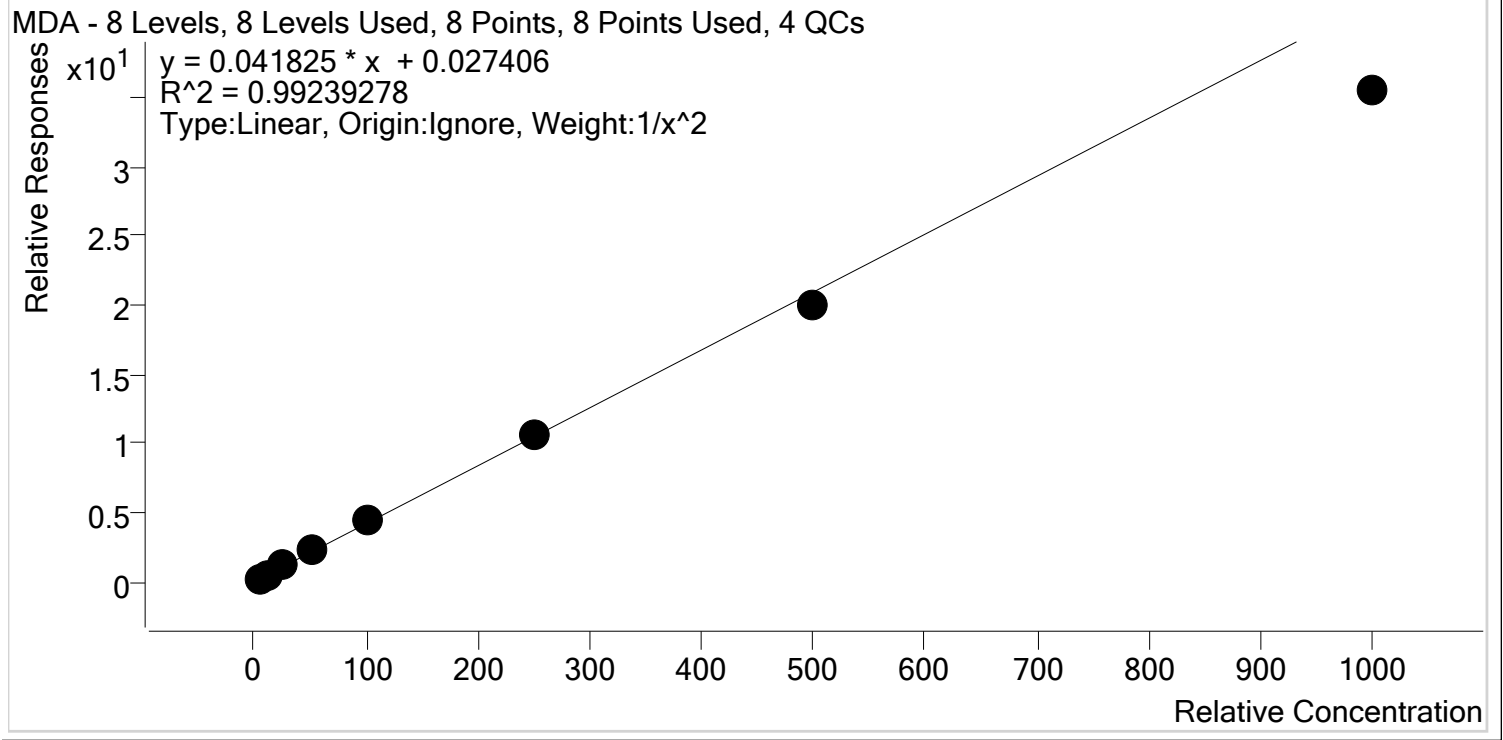


| Name                 | RT    | Resp.   | S/N       | Ratio | S/N       | ISTD Resp. | Final Conc.    |
|----------------------|-------|---------|-----------|-------|-----------|------------|----------------|
| Methamphetamine      | 3.158 | 1030861 | 1145.50   | 41.8  | 1094.61   | 439258     | 118.4618 ng/ml |
| Metoprolol           | 4.278 | 279364  | 6438.16   | 96.5  | 6124.95   | 1447896    | 122.7900 ng/ml |
| Mirtazapine          | 4.569 | 2459973 | 30566.71  | 49.3  | 34367.85  | 686217     | 180.1726 ng/ml |
| Mitragynine          | 5.181 | 473826  | 10715.58  | 38.7  | 10244.14  | 961879     | 122.4937 ng/ml |
| Morphine             | 1.200 | 69501   | 344.15    | 22.7  | 651.04    | 7728       | 101.5603 ng/ml |
| Norbuprenorphine     | 4.944 | 8083    | 2805.29   | 86.6  | ∞         | 33470      | 10.4145 ng/ml  |
| Nordiazepam          | 5.876 | 562741  | 1987.99   | 59.2  | 6468.20   | 174754     | 106.9242 ng/ml |
| Norfentanyl          | 4.037 | 255908  | 22481.70  | 37.7  | 4610.88   | 1114718    | 9.8564 ng/ml   |
| Norhydrocodone       | 3.014 | 51149   | 226.78    | 43.6  | 107.48    | 48137      | 98.3343 ng/ml  |
| Noroxycodone         | 2.845 | 545574  | 4483.45   | 48.6  | 810.59    | 173240     | 108.9970 ng/ml |
| O-desmethyl-tramadol | 3.323 | 3017052 | 6952.92   | 6.0   | 1419.02   | 1481248    | 105.2609 ng/ml |
| Oxazepam             | 5.732 | 754847  | 10699.78  | 70.6  | 2700.40   | 466315     | 100.6842 ng/ml |
| Oxycodone            | 2.762 | 1229151 | 2880.31   | 31.0  | 1997.50   | 498109     | 108.4516 ng/ml |
| Oxymorphone          | 1.350 | 455869  | 2726.34   | 48.0  | 1259.11   | 155323     | 105.7684 ng/ml |
| Phentermine          | 3.723 | 421091  | 3355.00   | 3.1   | 344.19    | 499373     | 116.2913 ng/ml |
| Promethazine         | 5.508 | 2674771 | 2190.96   | 29.7  | 2168.53   | 1096593    | 104.1096 ng/ml |
| Quetiapine           | 5.519 | 1337975 | 66363.88  | 59.6  | 36133.35  | 165995     | 105.9138 ng/ml |
| Sertraline           | 5.758 | 428287  | 2969.92   | 90.9  | 1176.97   | 168601     | 100.3534 ng/ml |
| Temazepam            | 5.793 | 1528250 | 1541.19   | 30.4  | 394.84    | 725559     | 102.3068 ng/ml |
| Tramadol             | 4.197 | 2973109 | 33857.03  | 3.4   | 343.52    | 1447896    | 109.2156 ng/ml |
| Trazodone            | 5.073 | 1950025 | 230728.24 | 78.2  | 498887.84 | 762210     | 101.8016 ng/ml |
| Venlafaxine          | 4.994 | 2611590 | 9256.47   | 36.4  | 2261.94   | 1245552    | 105.8393 ng/ml |
| Zolpidem             | 4.838 | 3069889 | ∞         | 30.8  | 86492.55  | 1413161    | 108.7432 ng/ml |



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\070720 AM 27 28 SP\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/9/2020 10:39 AM  
**Analyst Name** ISP\datastor  
**Analyte** MDA **Internal Standard** MDA-D5



| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 4.8                 | 96.3     |
| p1 Cal 2- 10ng  | 2     | ✓       | 10.0                   | 10.3                | 102.7    |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 26.7                | 106.7    |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 53.9                | 107.9    |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 104.8               | 104.8    |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 252.8               | 101.1    |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 477.6               | 95.5     |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 848.0               | 84.8     |

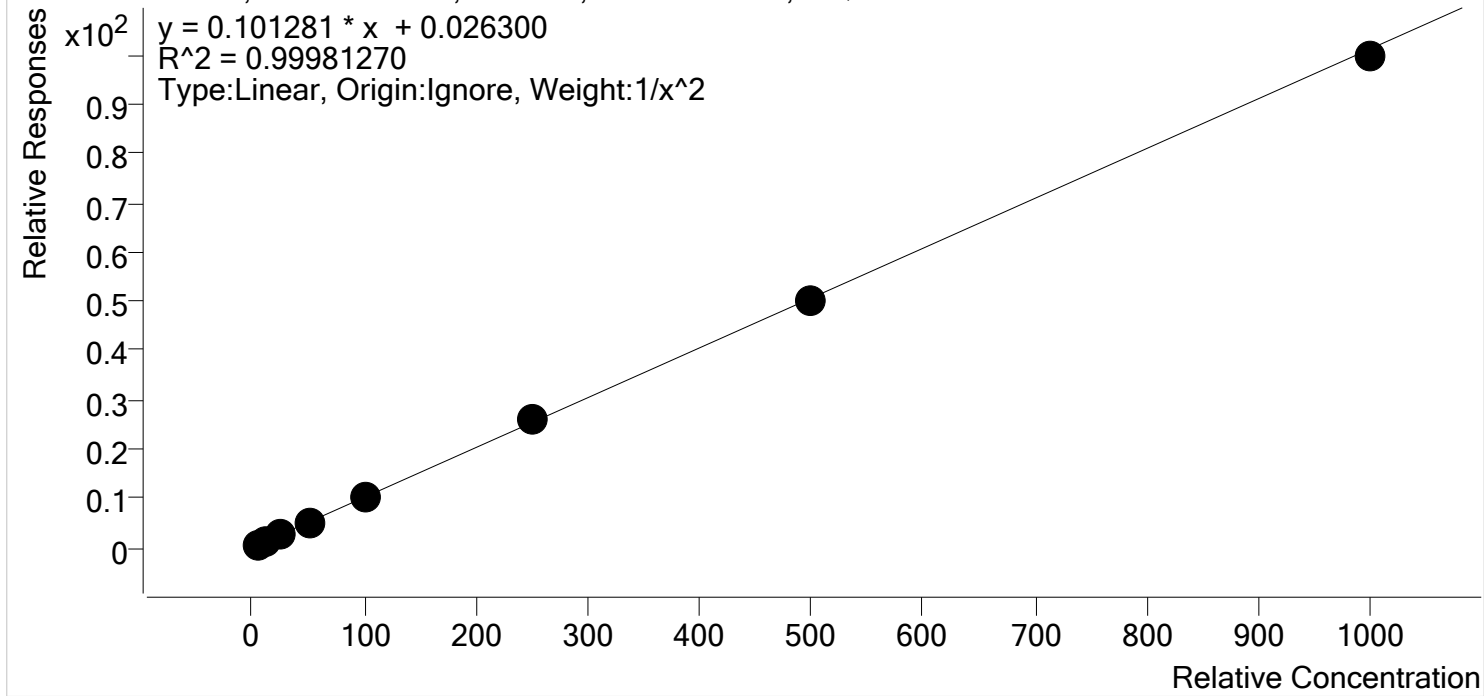




# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\070720 AM 27 28 SP\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/9/2020 10:39 AM  
**Analyst Name** ISP\datastor  
**Analyte** MDMA **Internal Standard** MDMA-D6

MDMA - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

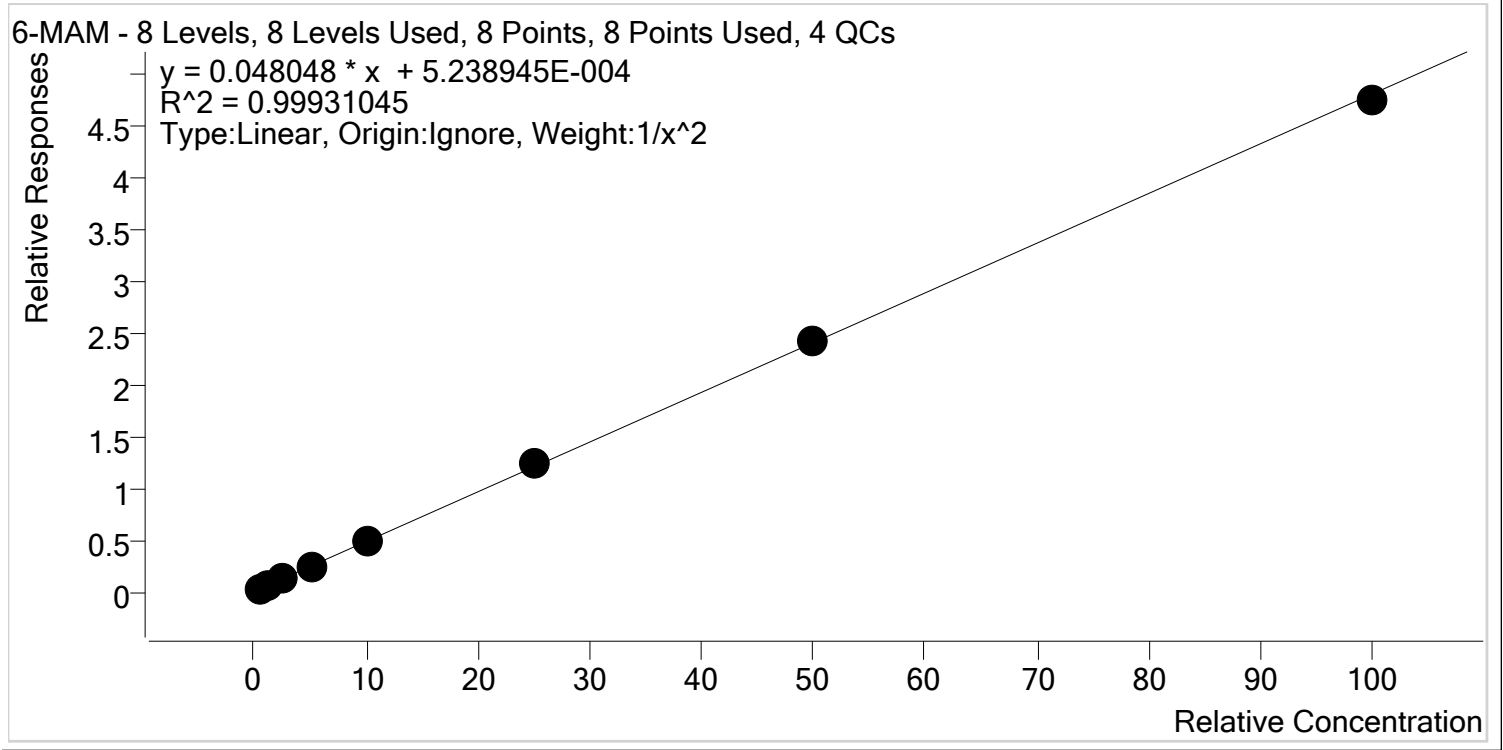


| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 5.0                 | 99.6     |
| p1 Cal 2- 10ng  | 2     | ✓       | 10.0                   | 10.1                | 100.6    |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 24.9                | 99.7     |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 50.9                | 101.8    |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 100.0               | 100.0    |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 253.1               | 101.2    |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 493.1               | 98.6     |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 984.6               | 98.5     |



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\070720 AM 27 28 SP\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/9/2020 10:39 AM  
**Analyst Name** ISP\datastor  
**Analyte** 6-MAM **Internal Standard** 6-MAM-D6

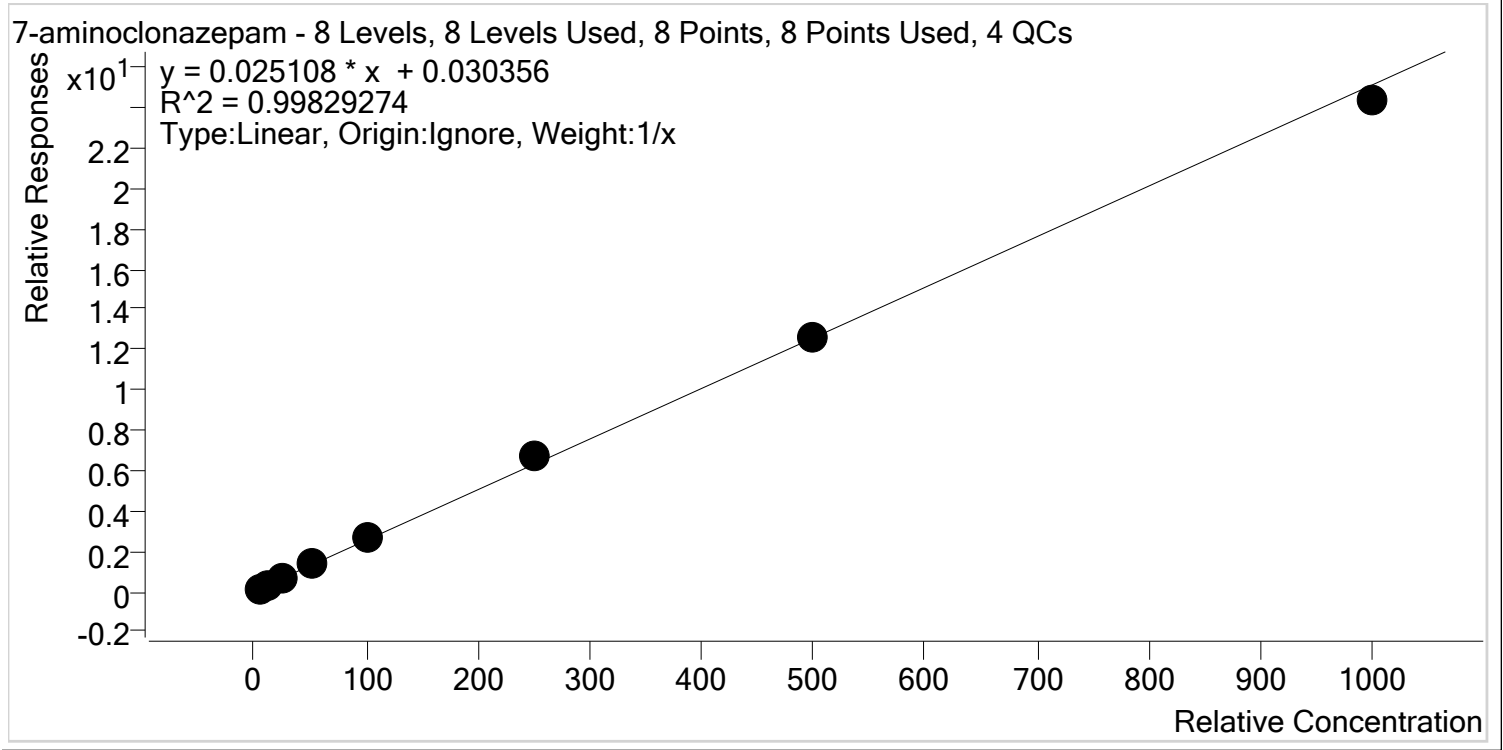


| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 0.5                    | 0.5                 | 99.9     |
| p1 Cal 2- 10ng  | 2     | ✓       | 1.0                    | 1.0                 | 100.7    |
| p1 Cal 3 -25ng  | 3     | ✓       | 2.5                    | 2.5                 | 100.6    |
| p1 Cal 4-50ng   | 4     | ✓       | 5.0                    | 4.8                 | 95.4     |
| p1 Cal 5-100ng  | 5     | ✓       | 10.0                   | 10.0                | 100.3    |
| p1 Cal 6-250ng  | 6     | ✓       | 25.0                   | 25.9                | 103.4    |
| p1 Cal 7-500ng  | 7     | ✓       | 50.0                   | 50.5                | 101.0    |
| p1 Cal 8-1000ng | 8     | ✓       | 100.0                  | 98.7                | 98.7     |



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\070720 AM 27 28 SP\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/9/2020 10:39 AM  
**Analyst Name** ISP\datastor  
**Analyte** 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4

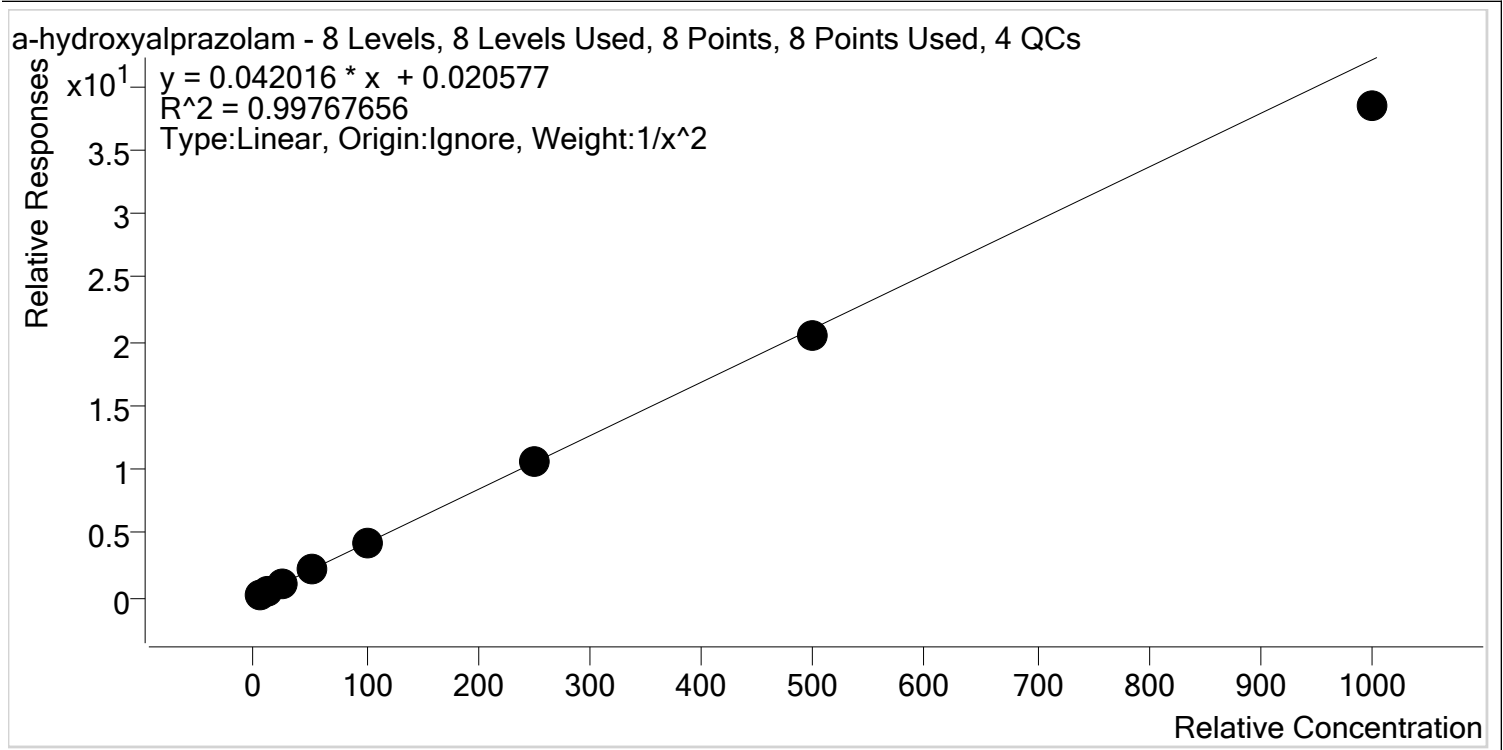


| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 4.2                 | 84.9     |
| p1 Cal 2- 10ng  | 2     | ✓       | 10.0                   | 9.4                 | 93.7     |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 26.0                | 103.9    |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 52.5                | 105.0    |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 108.4               | 108.4    |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 265.9               | 106.4    |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 504.5               | 100.9    |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 969.1               | 96.9     |



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\070720 AM 27 28 SP\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/9/2020 10:39 AM  
**Analyst Name** ISP\datastor  
**Analyte** a-hydroxyalprazolam **Internal Standard** a-hydroxyalprazolam-D5

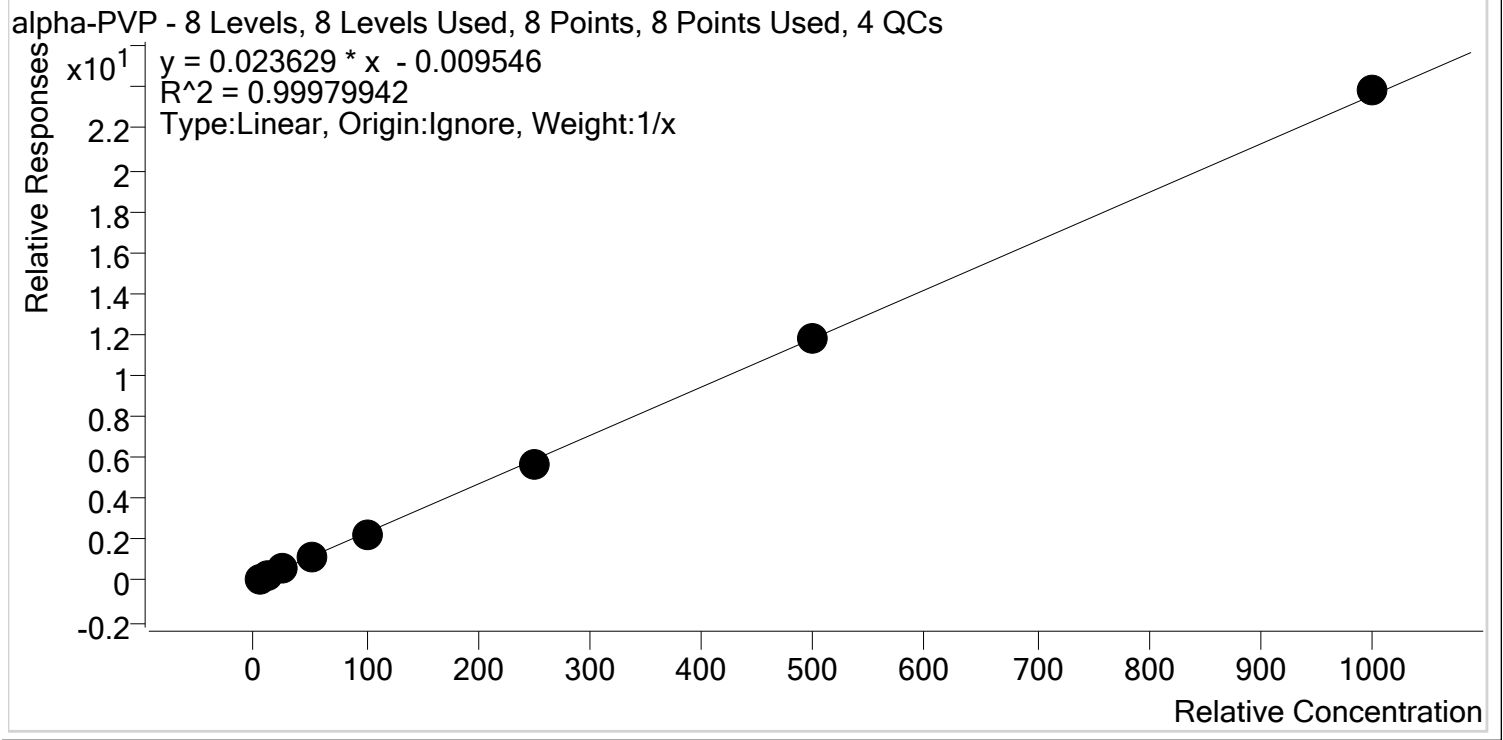


| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 4.9                 | 97.9     |
| p1 Cal 2- 10ng  | 2     | ✓       | 10.0                   | 10.3                | 102.6    |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 25.4                | 101.6    |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 52.0                | 104.0    |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 103.3               | 103.3    |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 253.8               | 101.5    |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 489.0               | 97.8     |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 913.5               | 91.3     |



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\070720 AM 27 28 SP\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/9/2020 10:39 AM  
**Analyst Name** ISP\datastor  
**Analyte** alpha-PVP **Internal Standard** alpha-PVP-d8

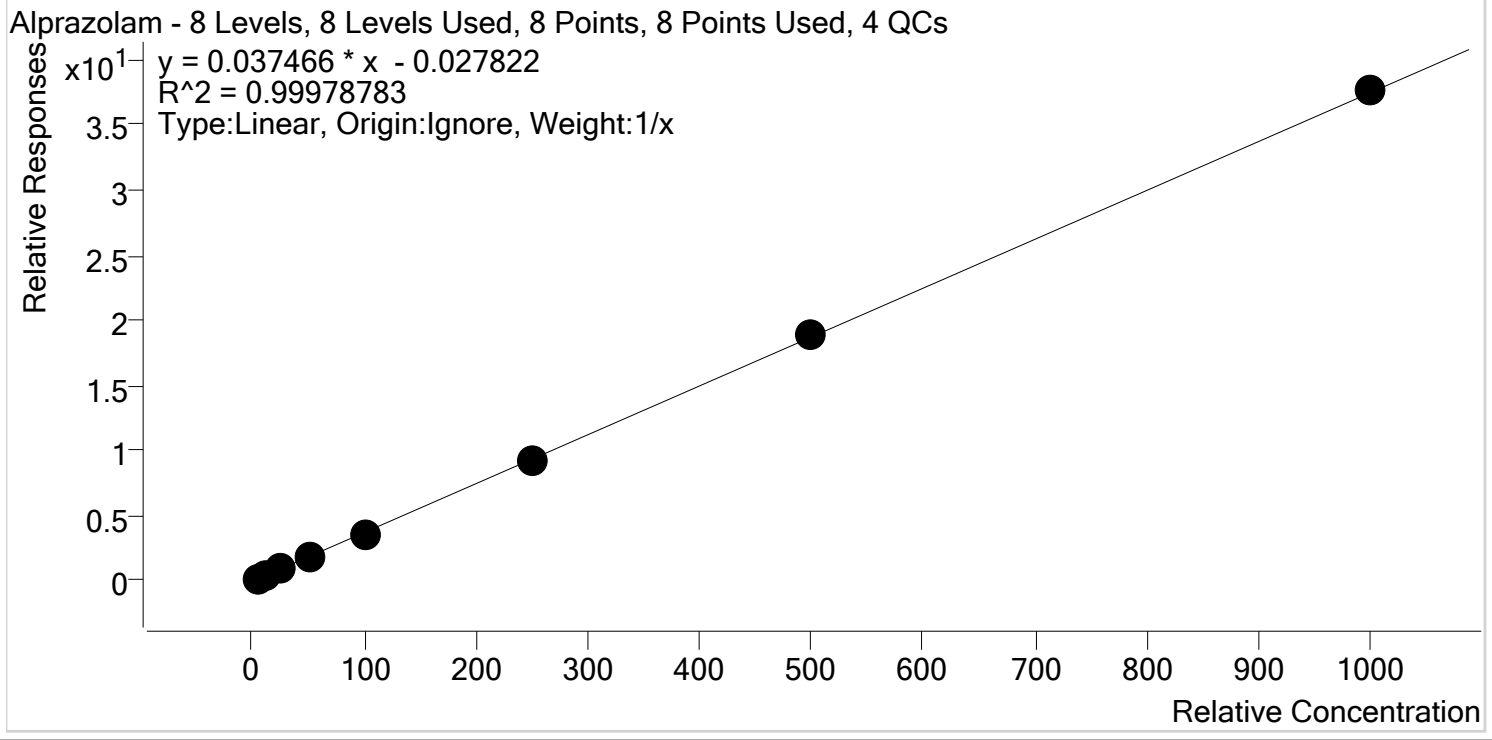


| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 5.4                 | 107.5    |
| p1 Cal 2- 10ng  | 2     | ✓       | 10.0                   | 10.0                | 100.5    |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 24.5                | 98.0     |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 49.0                | 98.0     |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 97.3                | 97.3     |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 244.5               | 97.8     |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 499.3               | 99.9     |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 1010.0              | 101.0    |



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\070720 AM 27 28 SP\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/9/2020 10:39 AM  
**Analyst Name** ISP\datastor  
**Analyte** Alprazolam **Internal Standard** Alprazolam-D5

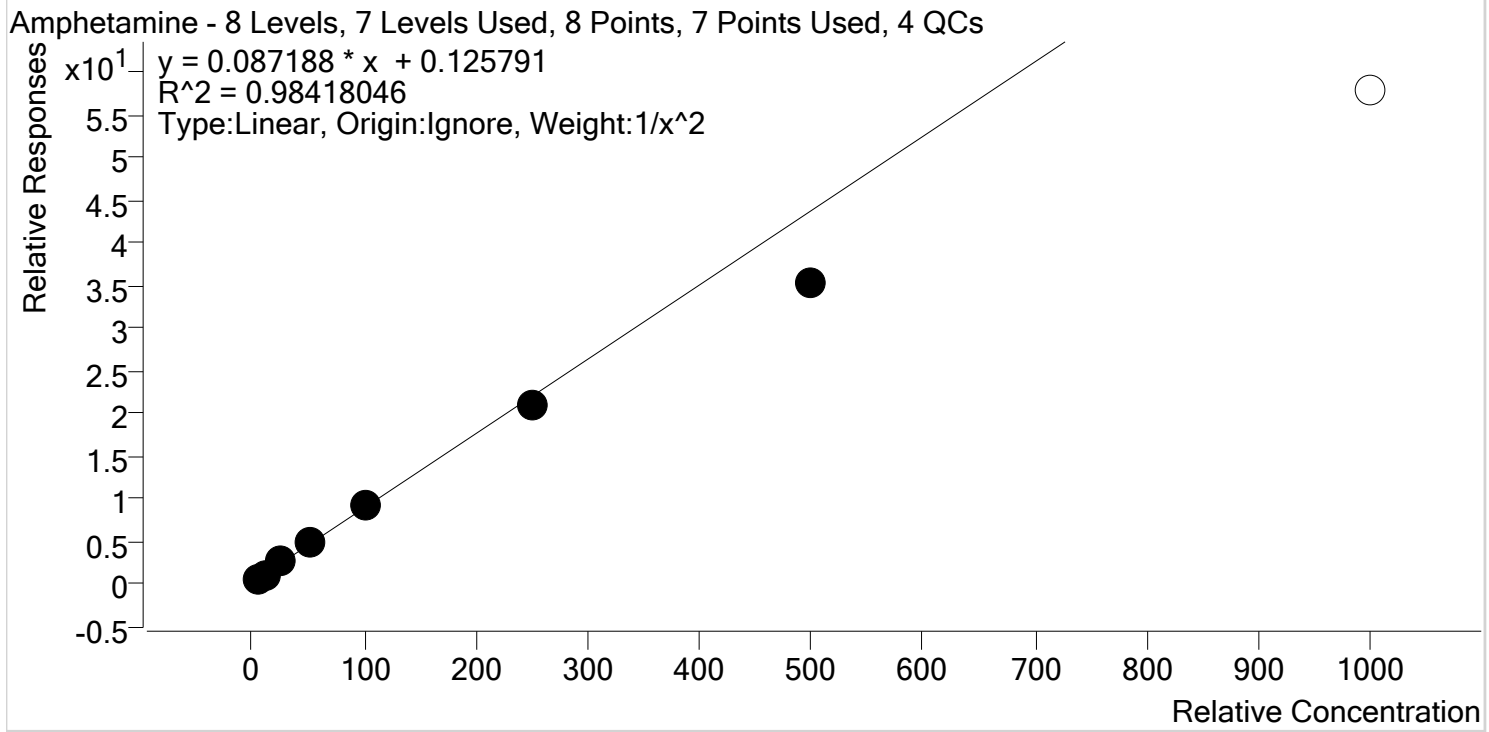


| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 5.5                 | 109.4    |
| p1 Cal 2- 10ng  | 2     | ✓       | 10.0                   | 10.0                | 99.6     |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 23.8                | 95.3     |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 49.9                | 99.8     |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 96.3                | 96.3     |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 245.6               | 98.2     |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 504.5               | 100.9    |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 1004.4              | 100.4    |



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\070720 AM 27 28 SP\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/9/2020 10:39 AM  
**Analyst Name** ISP\datastor  
**Analyte** Amphetamine **Internal Standard** Amphetamine-D11



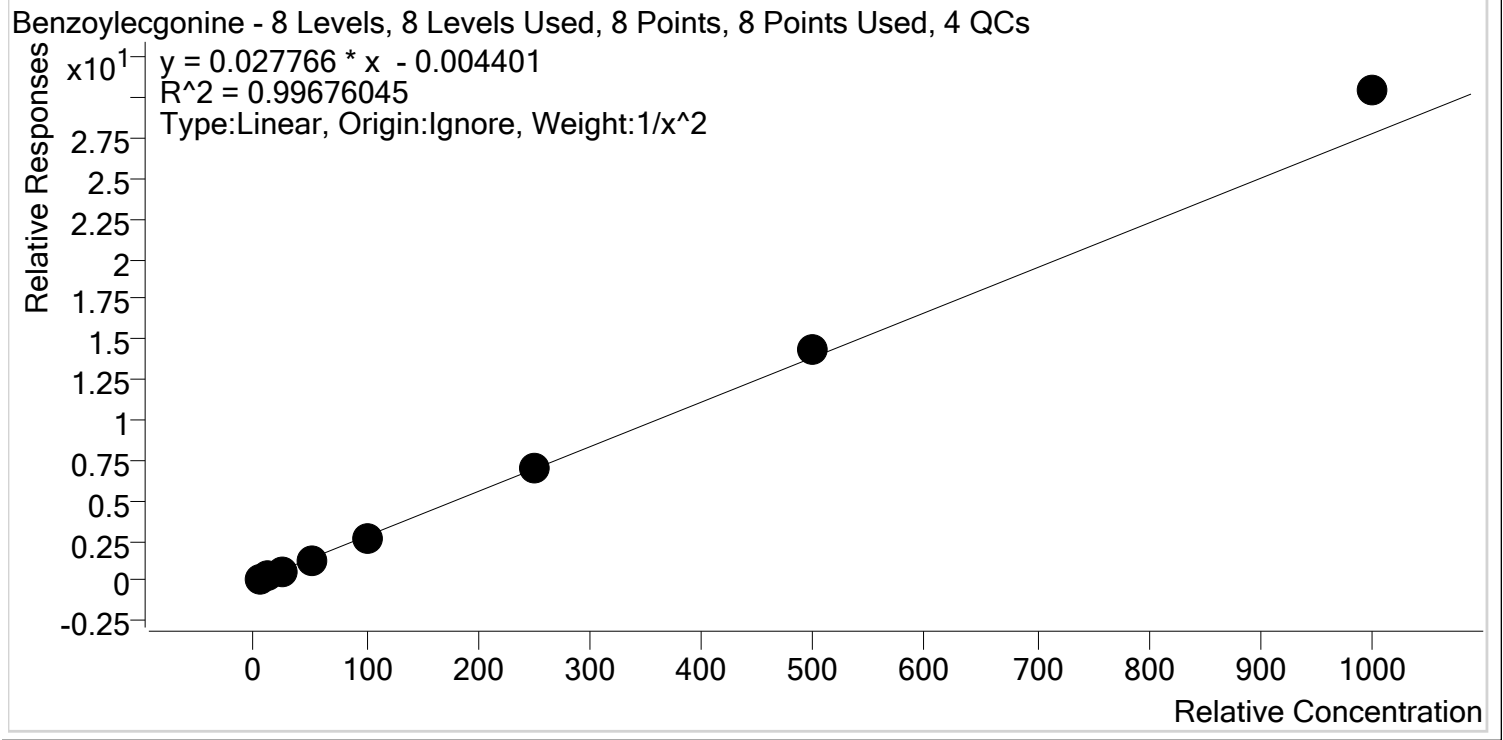
| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 4.7                 | 94.7     |
| p1 Cal 2- 10ng  | 2     | ✓       | 10.0                   | 10.5                | 104.6    |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 27.5                | 110.0    |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 55.2                | 110.3    |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 105.3               | 105.3    |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 236.2               | 94.5     |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 403.1               | 80.6     |
| p1 Cal 8-1000ng | 8     | ✗       | 1000.0                 | 661.4               | 66.1     |

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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\070720 AM 27 28 SP\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/9/2020 10:39 AM  
**Analyst Name** ISP\datastor  
**Analyte** Benzoylecgonine **Internal Standard** Benzoylecgonine-d8



| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 5.2                 | 103.3    |
| p1 Cal 2- 10ng  | 2     | ✓       | 10.0                   | 9.6                 | 95.7     |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 24.4                | 97.4     |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 47.7                | 95.4     |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 96.3                | 96.3     |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 248.7               | 99.5     |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 514.1               | 102.8    |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 1096.2              | 109.6    |

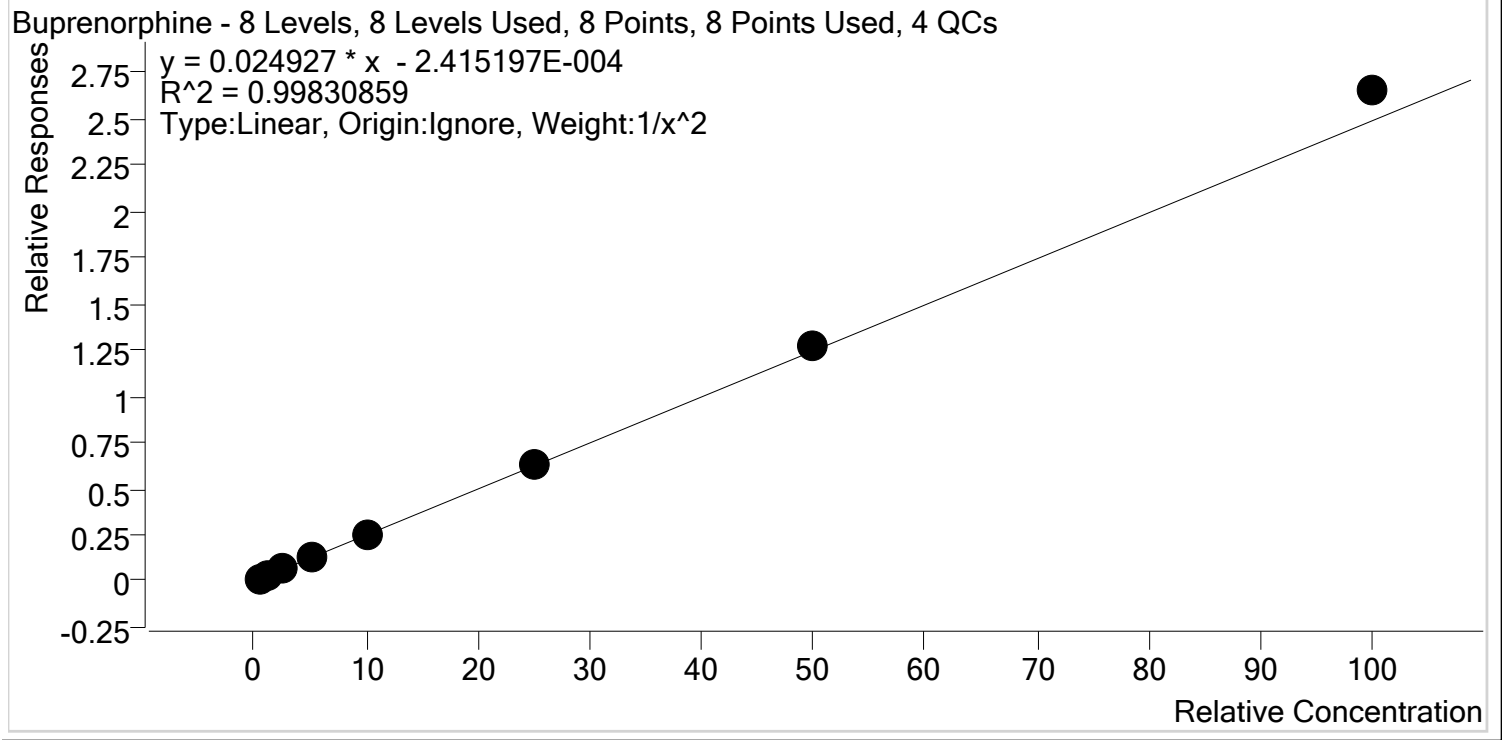


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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\070720 AM 27 28 SP\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/9/2020 10:39 AM  
**Analyst Name** ISP\datastor  
**Analyte** Buprenorphine **Internal Standard** Buprenorphine-D4

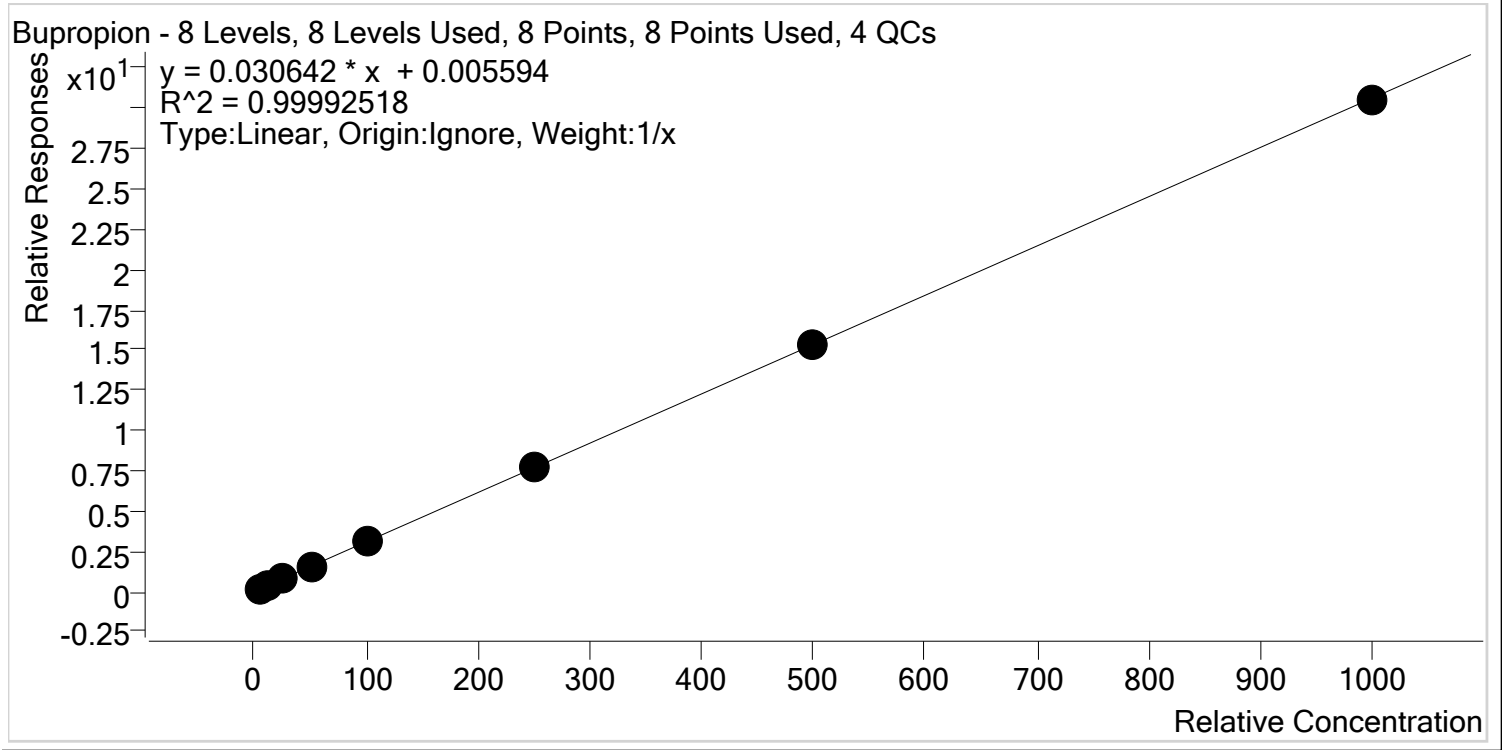


| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 0.5                    | 0.5                 | 102.2    |
| p1 Cal 2- 10ng  | 2     | ✓       | 1.0                    | 1.0                 | 97.8     |
| p1 Cal 3 -25ng  | 3     | ✓       | 2.5                    | 2.4                 | 96.8     |
| p1 Cal 4-50ng   | 4     | ✓       | 5.0                    | 4.8                 | 96.2     |
| p1 Cal 5-100ng  | 5     | ✓       | 10.0                   | 9.7                 | 97.4     |
| p1 Cal 6-250ng  | 6     | ✓       | 25.0                   | 25.2                | 100.9    |
| p1 Cal 7-500ng  | 7     | ✓       | 50.0                   | 51.1                | 102.2    |
| p1 Cal 8-1000ng | 8     | ✓       | 100.0                  | 106.6               | 106.6    |



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\070720 AM 27 28 SP\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/9/2020 10:39 AM  
**Analyst Name** ISP\datastor  
**Analyte** Bupropion **Internal Standard** Bupropion-D9



| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 4.9                 | 98.1     |
| p1 Cal 2- 10ng  | 2     | ✓       | 10.0                   | 9.9                 | 99.4     |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 24.7                | 98.6     |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 51.2                | 102.4    |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 100.3               | 100.3    |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 254.2               | 101.7    |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 499.8               | 100.0    |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 995.0               | 99.5     |

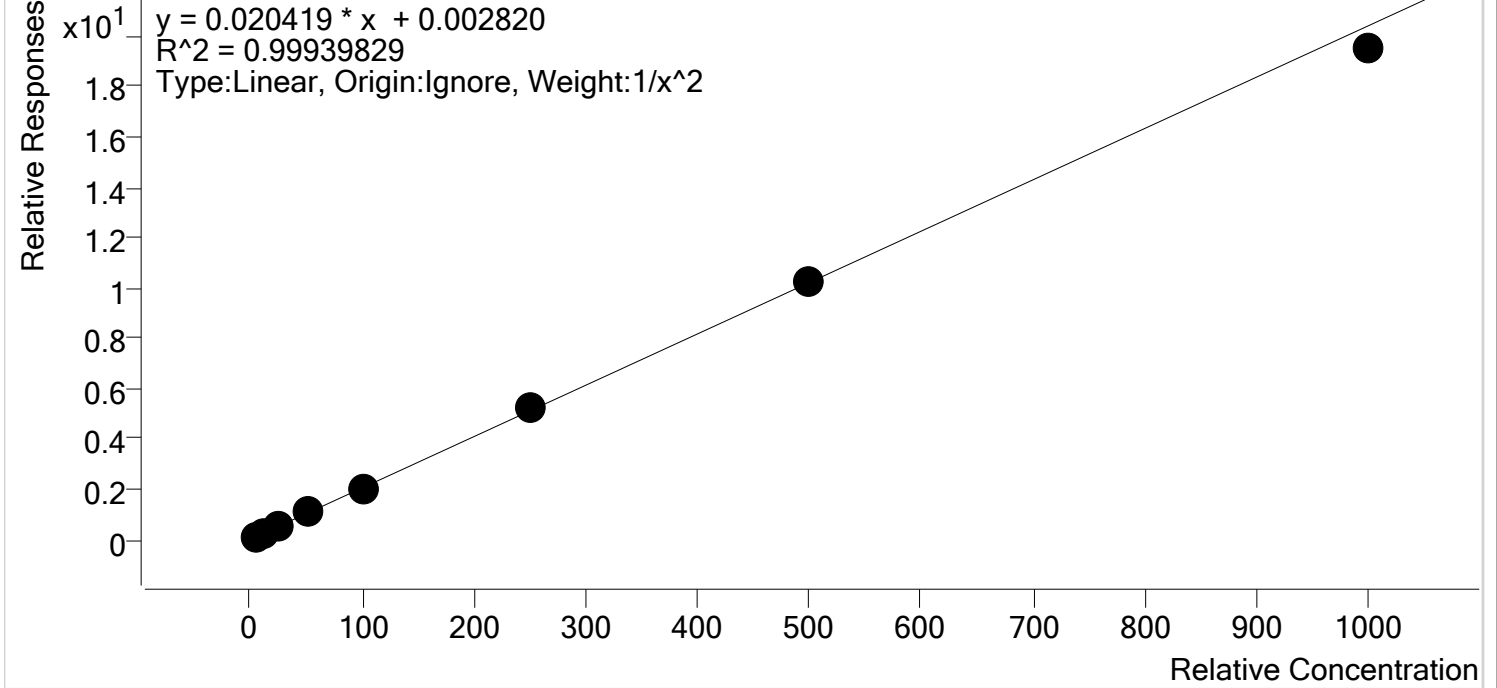
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\070720 AM 27 28 SP\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/9/2020 10:39 AM  
**Analyst Name** ISP\datastor  
**Analyte** Carisoprodol **Internal Standard** Carisoprodol-D7

Carisoprodol - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



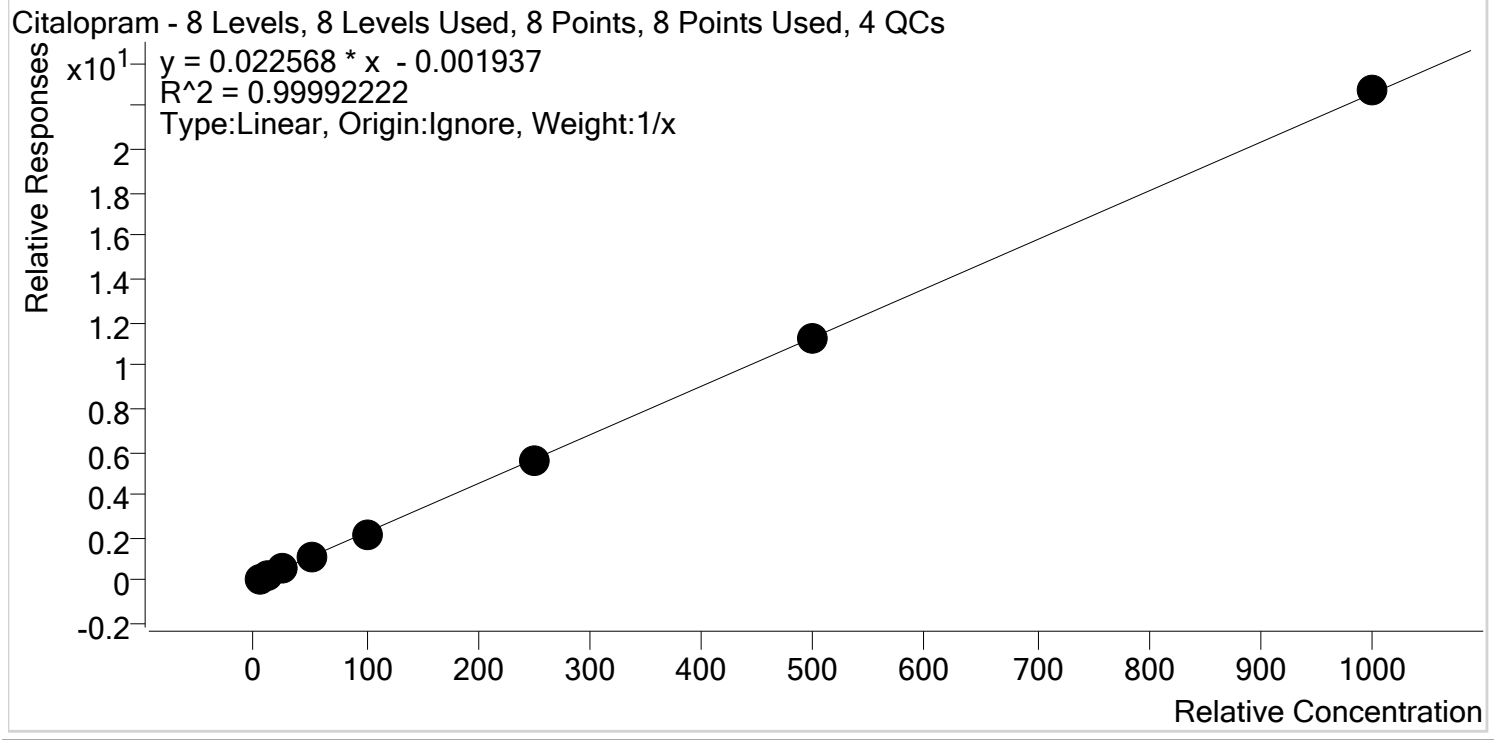
| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 5.0                 | 99.9     |
| p1 Cal 2- 10ng  | 2     | ✓       | 10.0                   | 9.9                 | 99.4     |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 25.2                | 100.6    |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 51.5                | 103.0    |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 100.1               | 100.1    |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 253.7               | 101.5    |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 499.7               | 99.9     |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 955.7               | 95.6     |

\$



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\070720 AM 27 28 SP\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/9/2020 10:39 AM  
**Analyst Name** ISP\datastor  
**Analyte** Citalopram **Internal Standard** Citalopram-D6

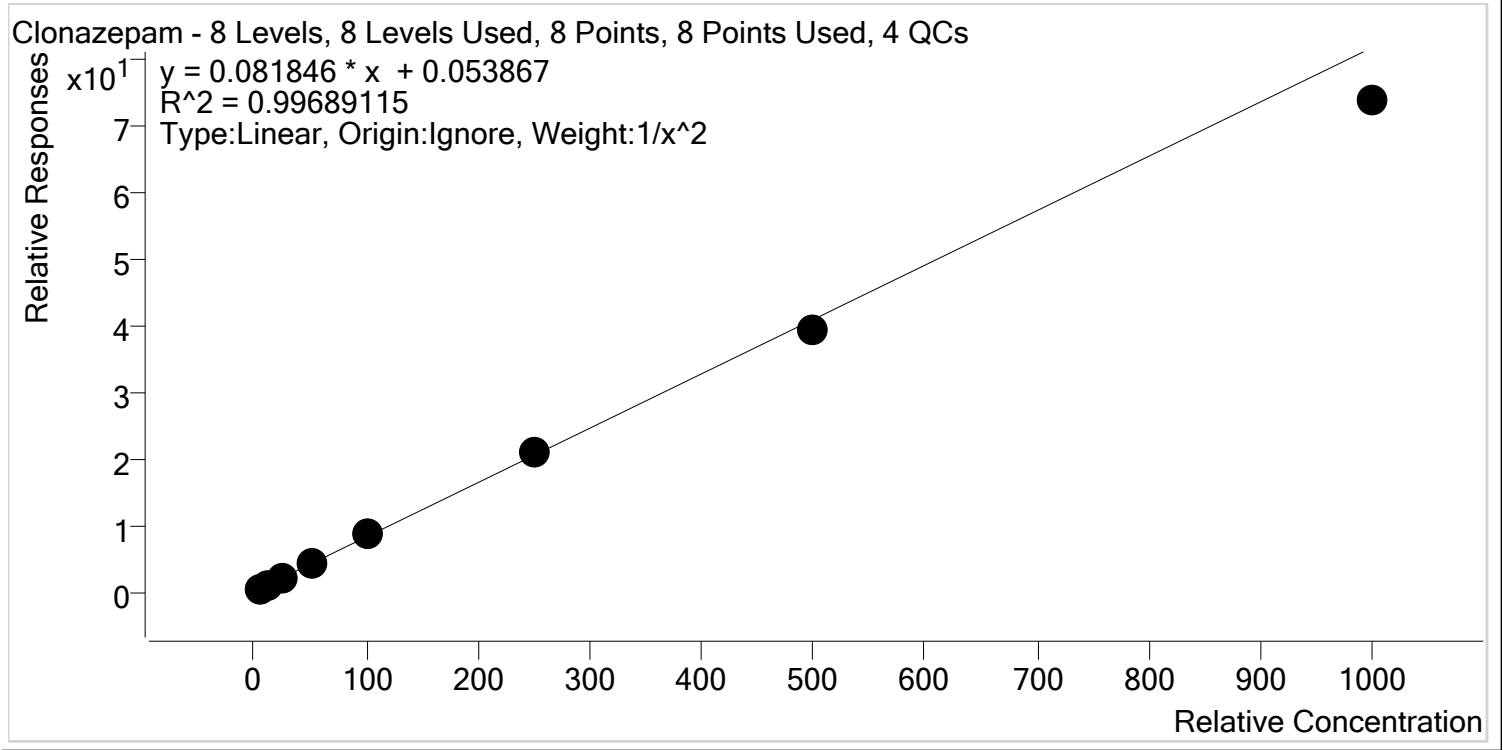


| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 5.1                 | 102.3    |
| p1 Cal 2- 10ng  | 2     | ✓       | 10.0                   | 10.0                | 100.2    |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 24.5                | 98.0     |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 51.0                | 102.0    |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 98.1                | 98.1     |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 249.0               | 99.6     |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 496.2               | 99.2     |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 1006.1              | 100.6    |



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\070720 AM 27 28 SP\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/9/2020 10:39 AM  
**Analyst Name** ISP\datastor  
**Analyte** Clonazepam **Internal Standard** Clonazepam-D4

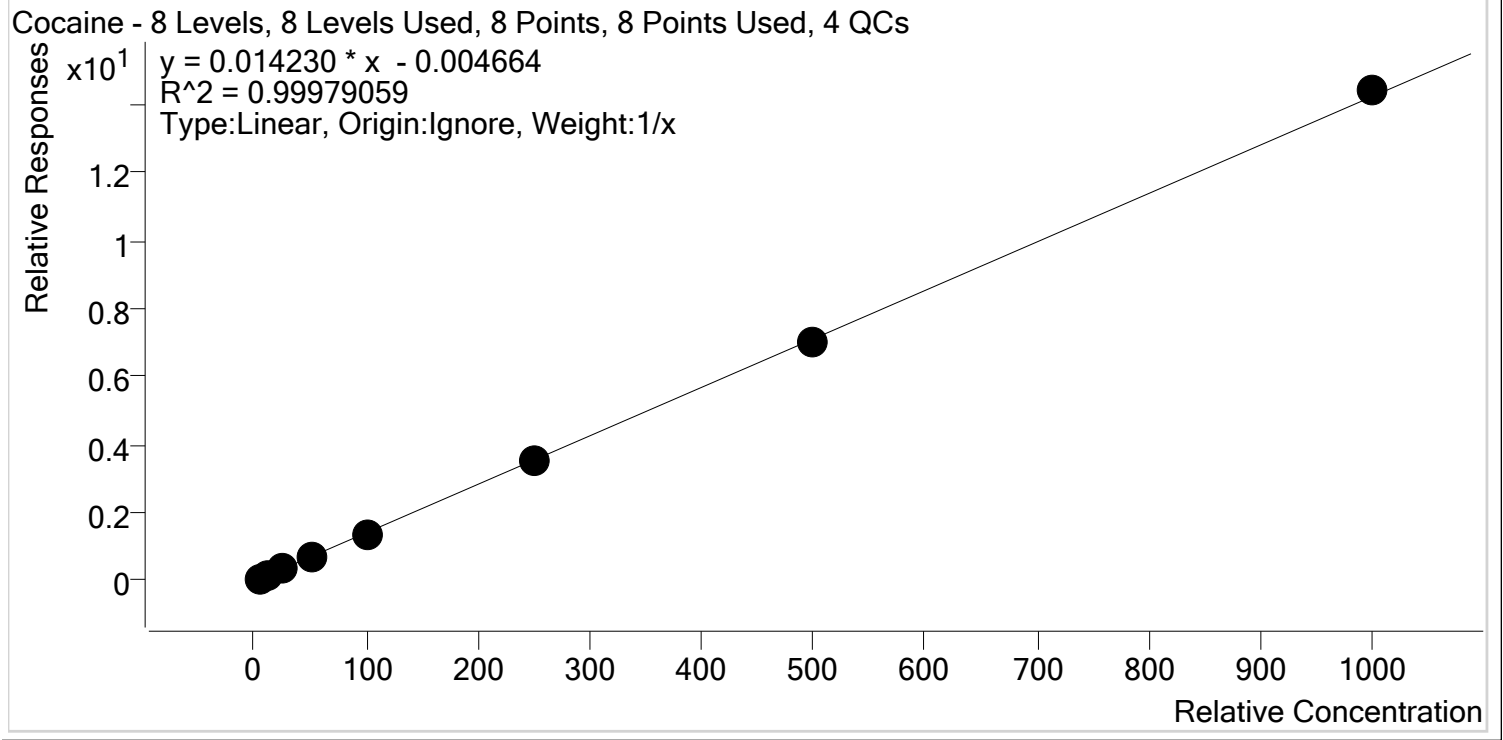


| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 4.9                 | 98.1     |
| p1 Cal 2- 10ng  | 2     | ✓       | 10.0                   | 10.1                | 101.4    |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 25.6                | 102.6    |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 52.3                | 104.7    |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 104.1               | 104.1    |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 255.9               | 102.4    |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 482.2               | 96.4     |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 902.5               | 90.3     |



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\070720 AM 27 28 SP\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/9/2020 10:39 AM  
**Analyst Name** ISP\datastor  
**Analyte** Cocaine **Internal Standard** Cocaine-d3

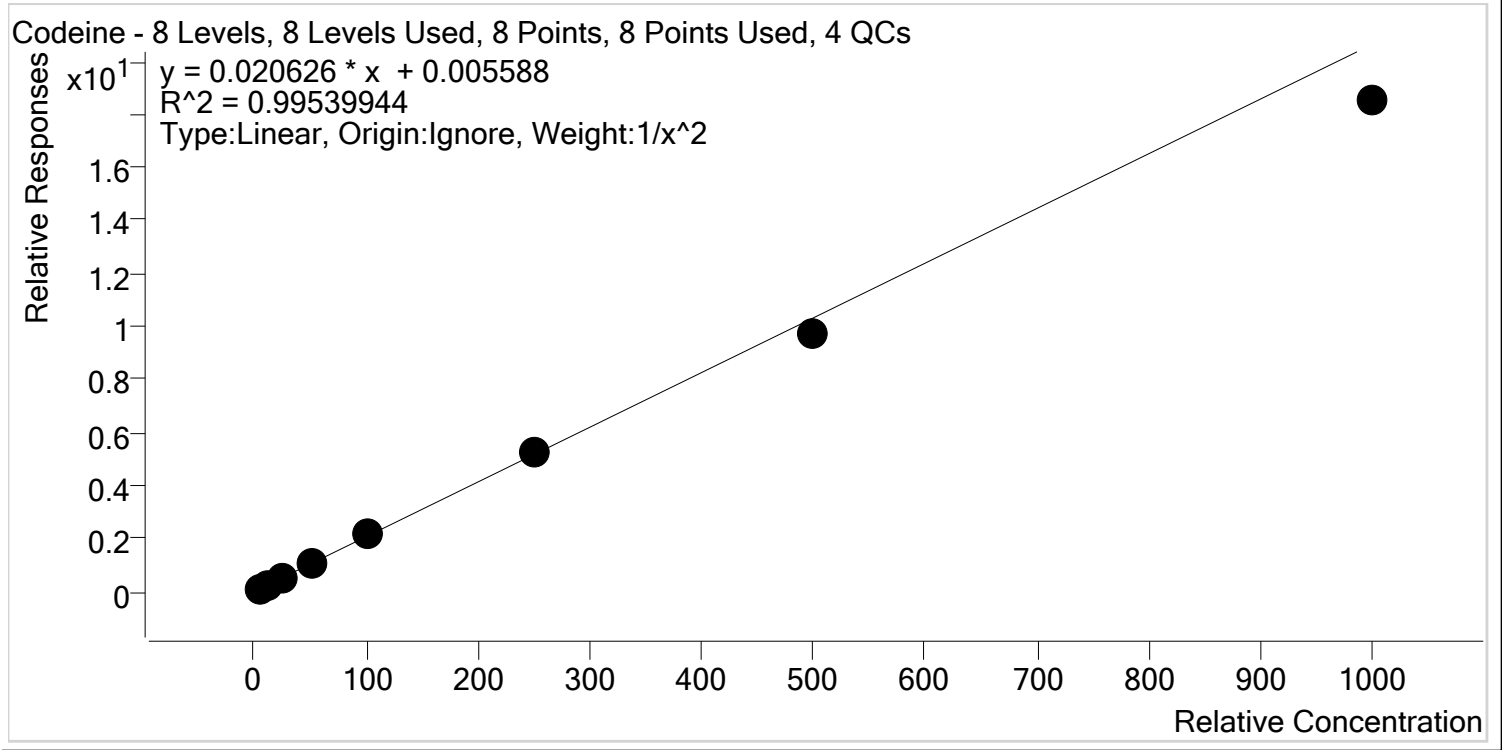


| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 5.2                 | 104.5    |
| p1 Cal 2- 10ng  | 2     | ✓       | 10.0                   | 10.3                | 102.6    |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 24.7                | 98.7     |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 49.0                | 98.0     |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 97.4                | 97.4     |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 246.4               | 98.6     |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 494.6               | 98.9     |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 1012.4              | 101.2    |



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\070720 AM 27 28 SP\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/9/2020 10:39 AM  
**Analyst Name** ISP\datastor  
**Analyte** Codeine **Internal Standard** Codeine-D6



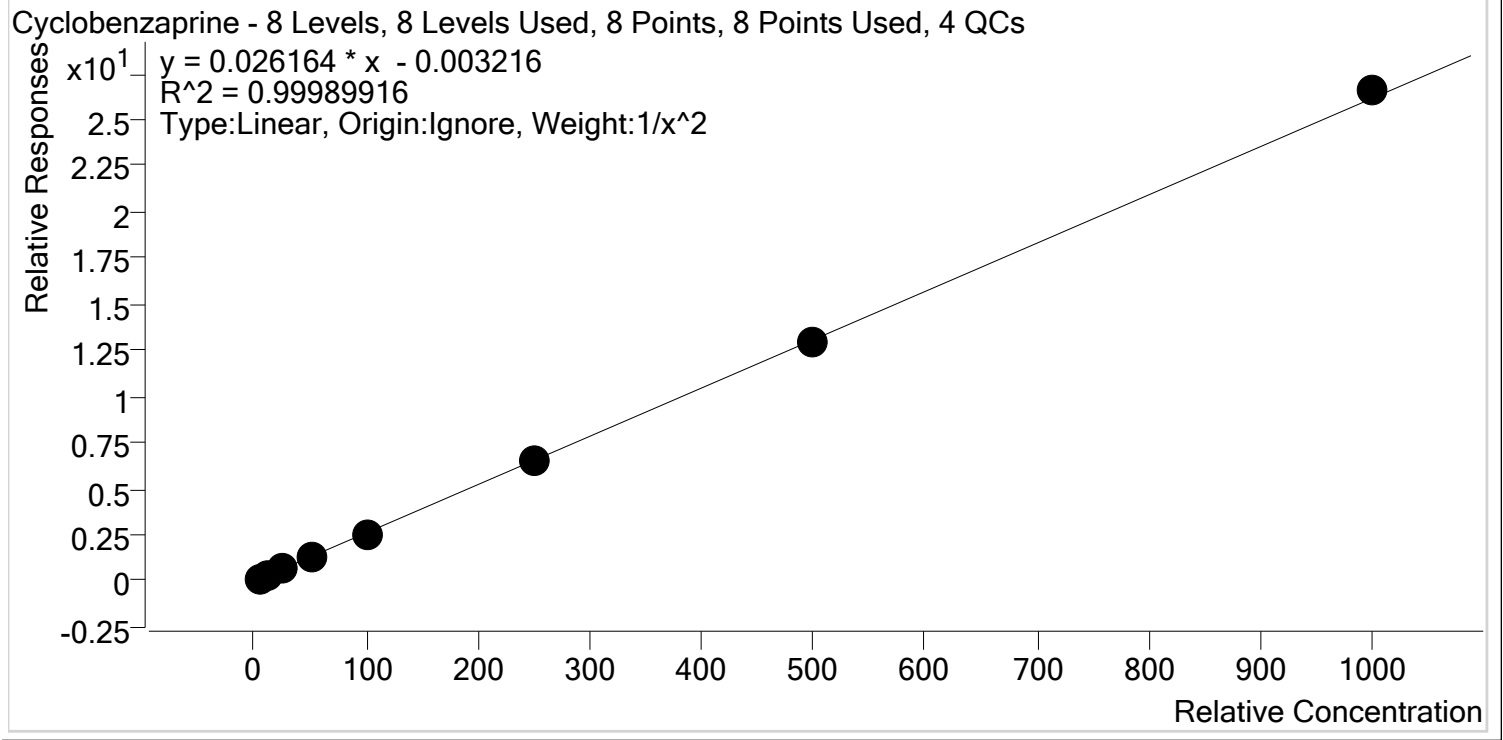
| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 4.9                 | 97.0     |
| p1 Cal 2- 10ng  | 2     | ✓       | 10.0                   | 10.3                | 102.7    |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 26.0                | 104.1    |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 53.2                | 106.3    |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 105.1               | 105.1    |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 252.9               | 101.2    |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 469.2               | 93.8     |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 897.3               | 89.7     |

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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\070720 AM 27 28 SP\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/9/2020 10:39 AM  
**Analyst Name** ISP\datastor  
**Analyte** Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3



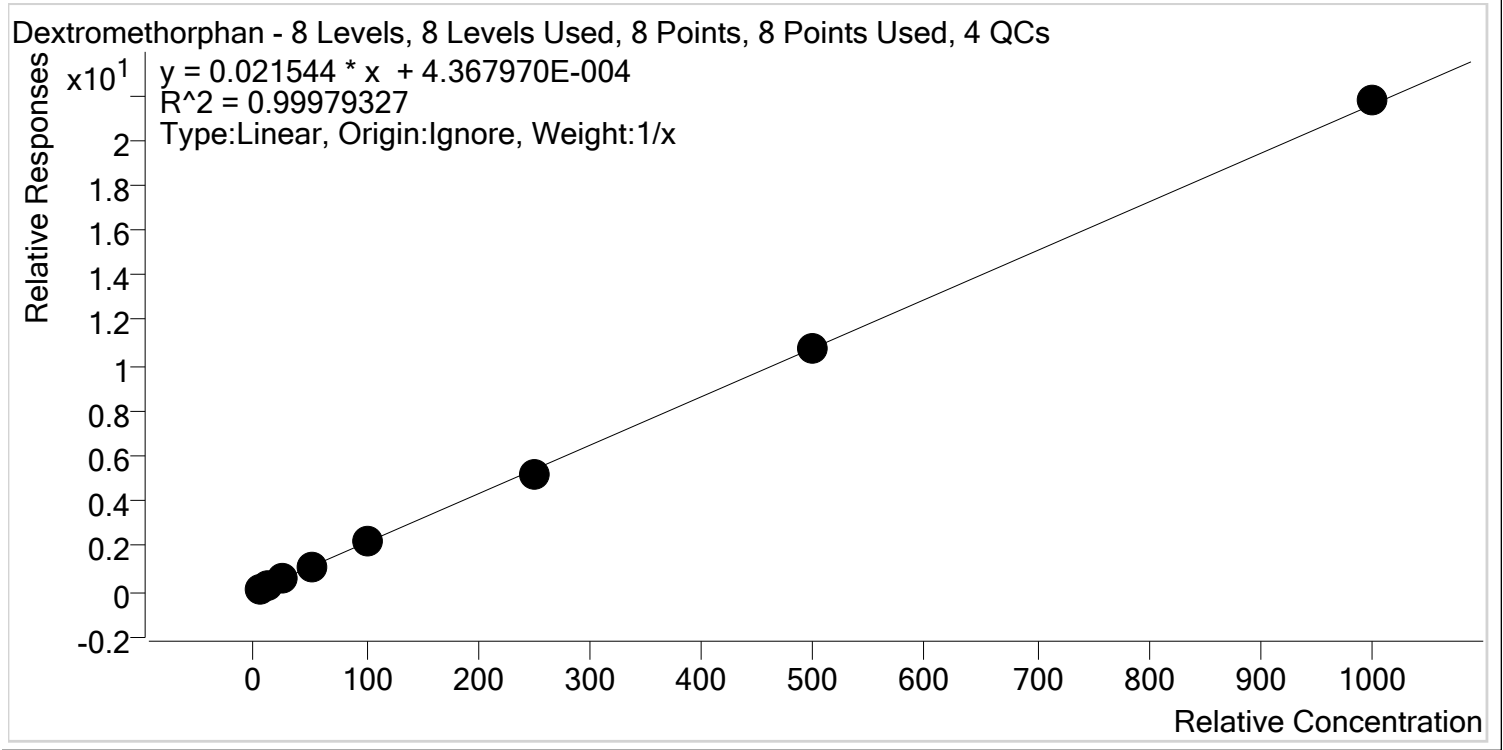
| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 5.0                 | 100.2    |
| p1 Cal 2- 10ng  | 2     | ✓       | 10.0                   | 10.0                | 99.8     |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 24.8                | 99.4     |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 50.5                | 100.9    |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 99.0                | 99.0     |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 248.8               | 99.5     |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 497.7               | 99.5     |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 1016.1              | 101.6    |





# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\070720 AM 27 28 SP\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/9/2020 10:39 AM  
**Analyst Name** ISP\datastor  
**Analyte** Dextromethorphan **Internal Standard** Dextromethorphan-D3

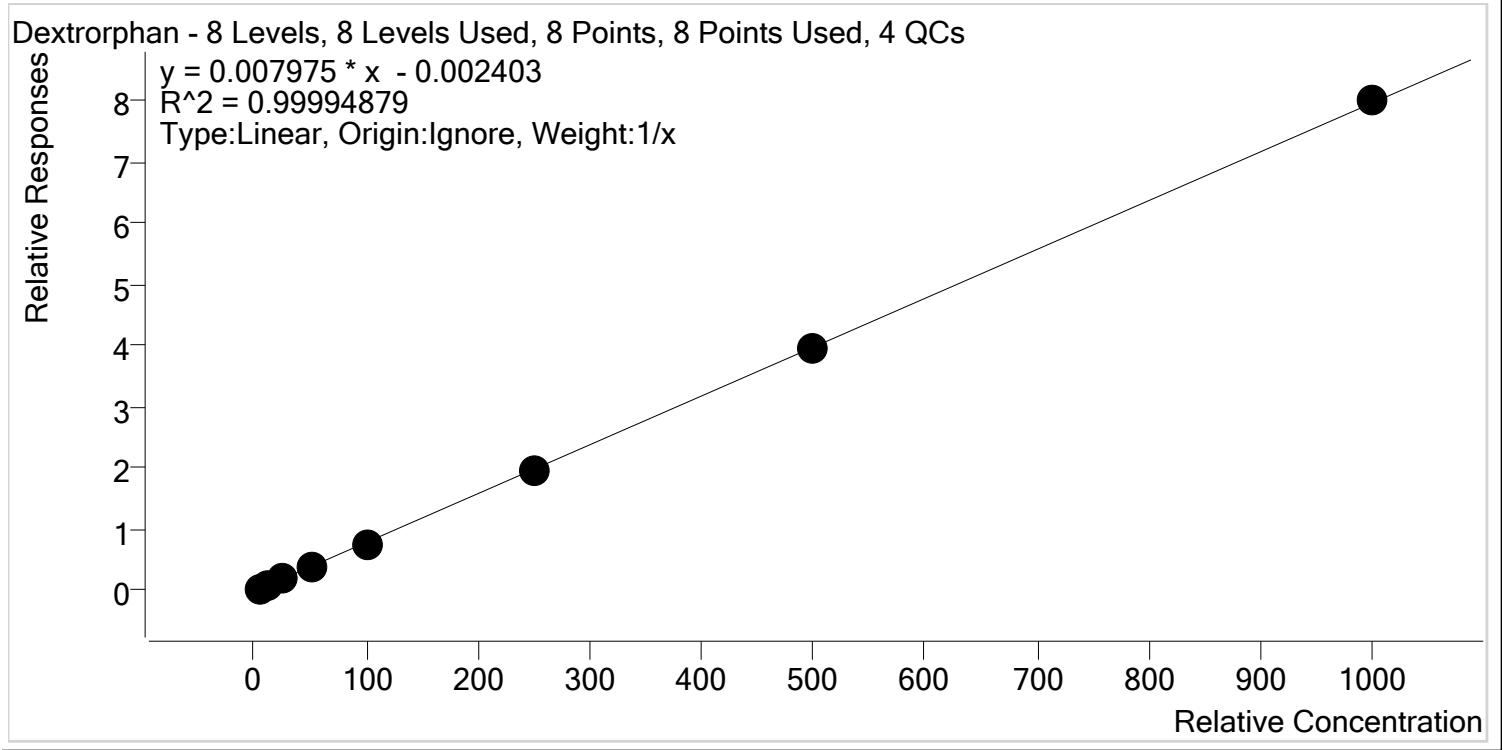


| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 5.2                 | 103.3    |
| p1 Cal 2- 10ng  | 2     | ✓       | 10.0                   | 9.8                 | 97.9     |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 24.8                | 99.3     |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 50.6                | 101.1    |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 101.1               | 101.1    |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 242.1               | 96.8     |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 497.8               | 99.6     |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 1008.7              | 100.9    |



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\070720 AM 27 28 SP\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/9/2020 10:39 AM  
**Analyst Name** ISP\datastor  
**Analyte** Dextrorphan **Internal Standard** Dextrorphan-D3



| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 5.2                 | 104.7    |
| p1 Cal 2- 10ng  | 2     | ✓       | 10.0                   | 9.7                 | 97.3     |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 25.2                | 100.9    |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 49.4                | 98.8     |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 98.5                | 98.5     |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 249.7               | 99.9     |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 497.3               | 99.5     |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 1005.0              | 100.5    |

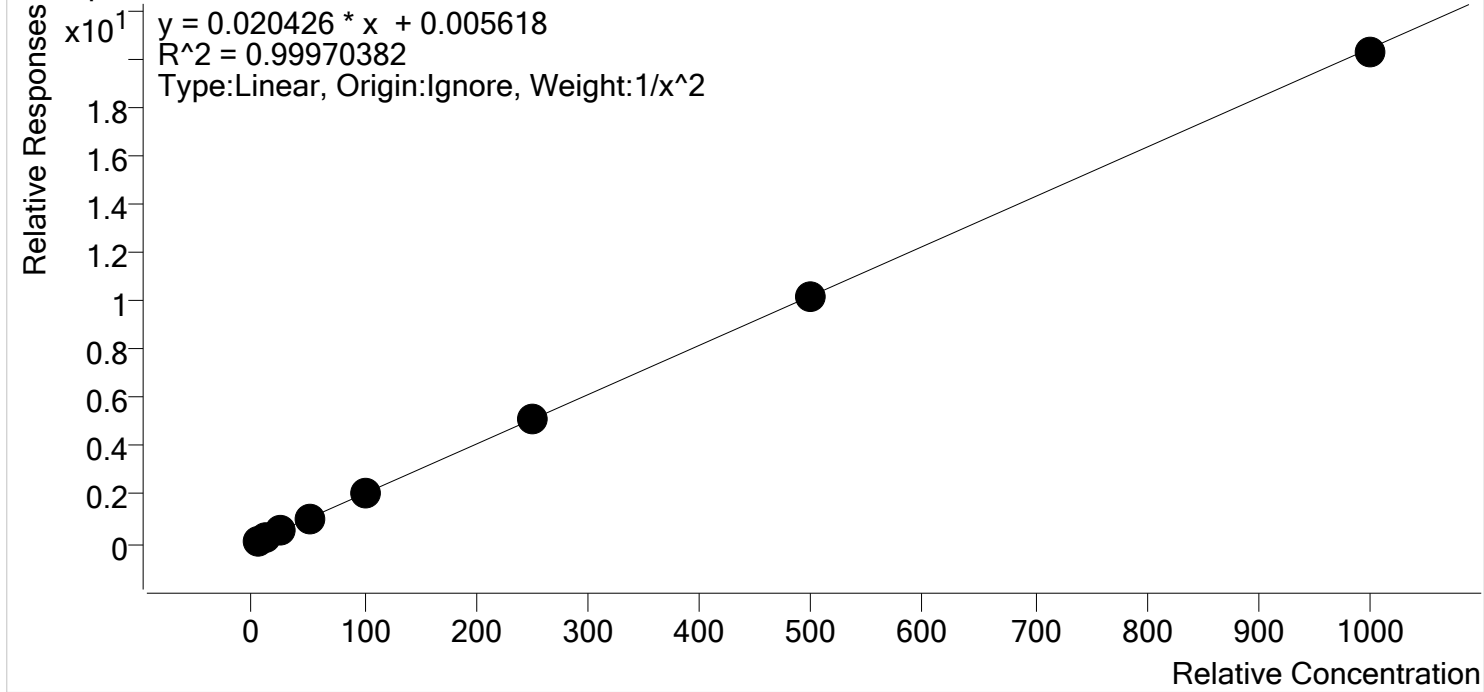
\$



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\070720 AM 27 28 SP\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/9/2020 10:39 AM  
**Analyst Name** ISP\datastor  
**Analyte** Diazepam **Internal Standard** Diazepam-D5

Diazepam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



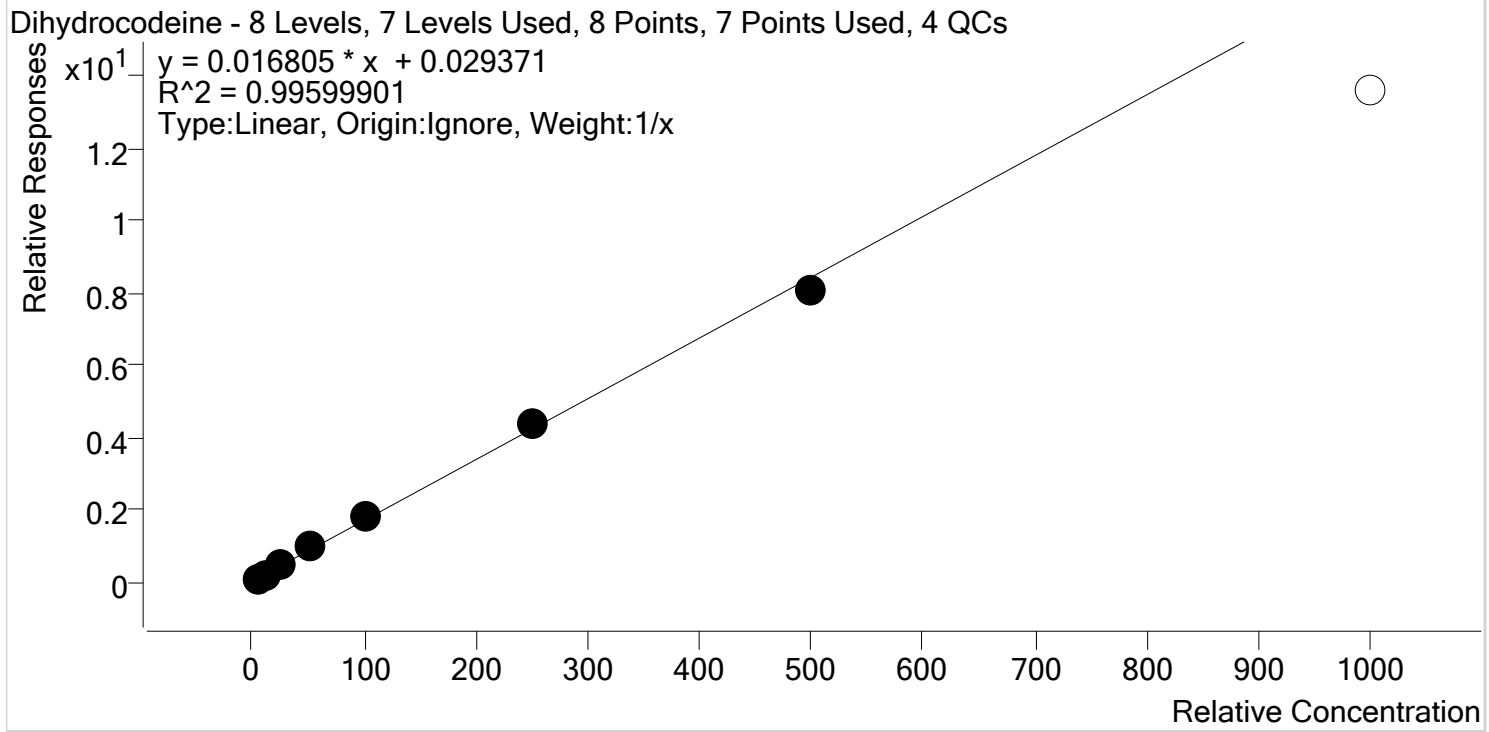
| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 5.1                 | 101.0    |
| p1 Cal 2- 10ng  | 2     | ✓       | 10.0                   | 9.8                 | 97.5     |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 25.0                | 100.0    |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 51.2                | 102.5    |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 99.3                | 99.3     |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 252.5               | 101.0    |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 497.6               | 99.5     |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 991.3               | 99.1     |

\$



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\070720 AM 27 28 SP\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/9/2020 10:39 AM  
**Analyst Name** ISP\datastor  
**Analyte** Dihydrocodeine **Internal Standard** Dihydrocodeine-D6

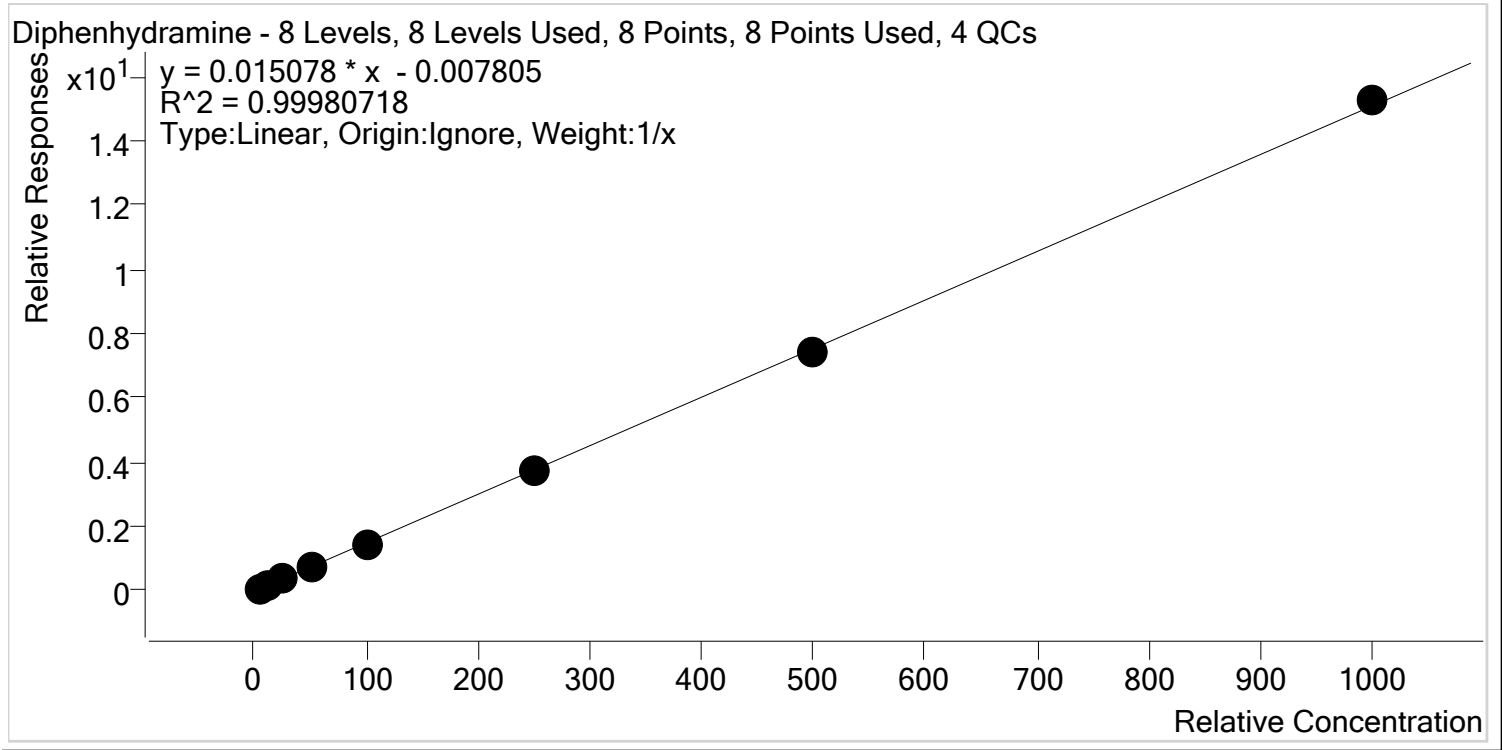


| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 4.0                 | 80.7     |
| p1 Cal 2- 10ng  | 2     | ✓       | 10.0                   | 9.6                 | 96.3     |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 26.0                | 104.1    |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 55.0                | 110.1    |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 109.7               | 109.7    |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 259.8               | 103.9    |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 475.8               | 95.2     |
| p1 Cal 8-1000ng | 8     | ✗       | 1000.0                 | 807.0               | 80.7     |



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\070720 AM 27 28 SP\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/9/2020 10:39 AM  
**Analyst Name** ISP\datastor  
**Analyte** Diphenhydramine **Internal Standard** Diphenhydramine-D3

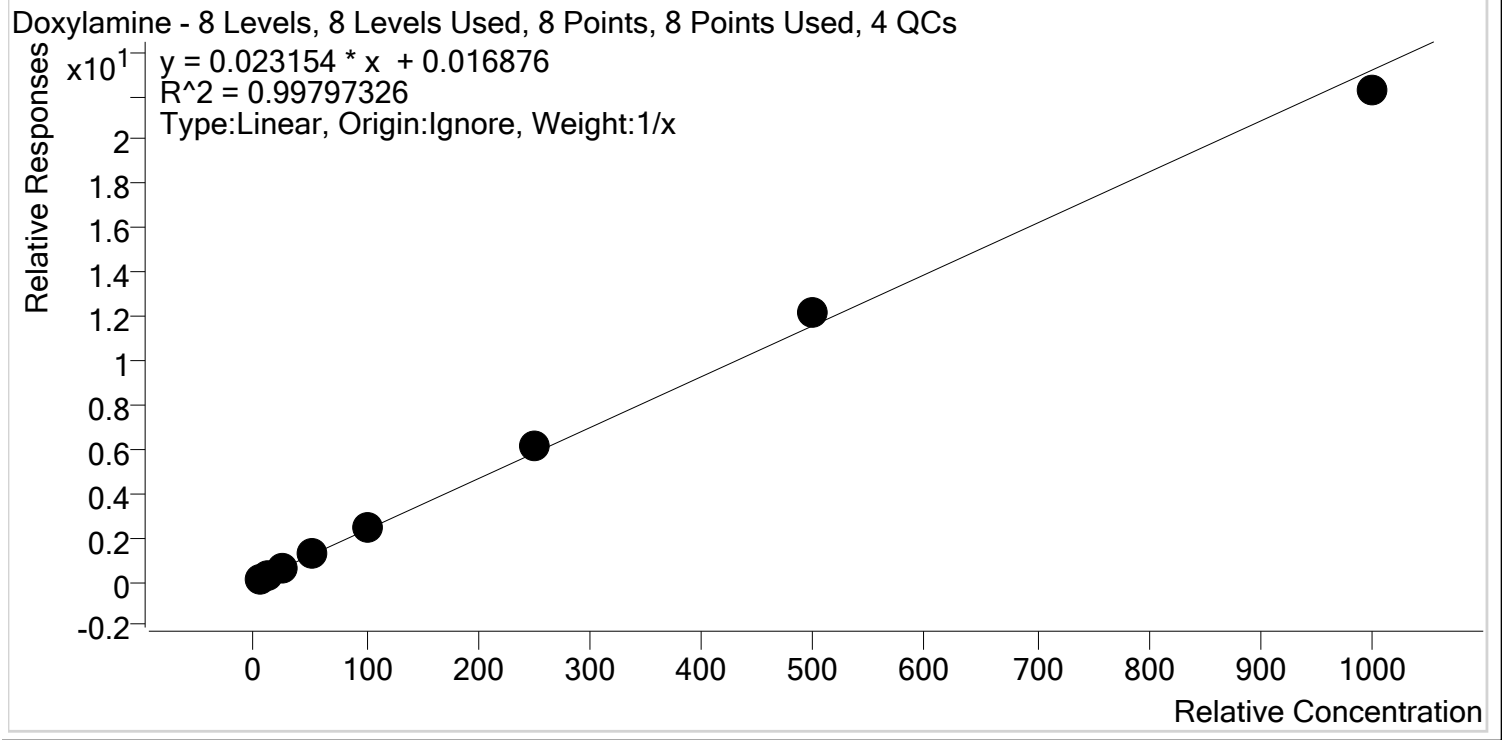


| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 5.4                 | 108.1    |
| p1 Cal 2- 10ng  | 2     | ✓       | 10.0                   | 10.1                | 100.8    |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 24.1                | 96.5     |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 49.0                | 98.0     |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 97.6                | 97.6     |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 246.7               | 98.7     |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 496.0               | 99.2     |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 1011.1              | 101.1    |



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\070720 AM 27 28 SP\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/9/2020 10:39 AM  
**Analyst Name** ISP\datastor  
**Analyte** Doxylamine **Internal Standard** Doxylamine-D5

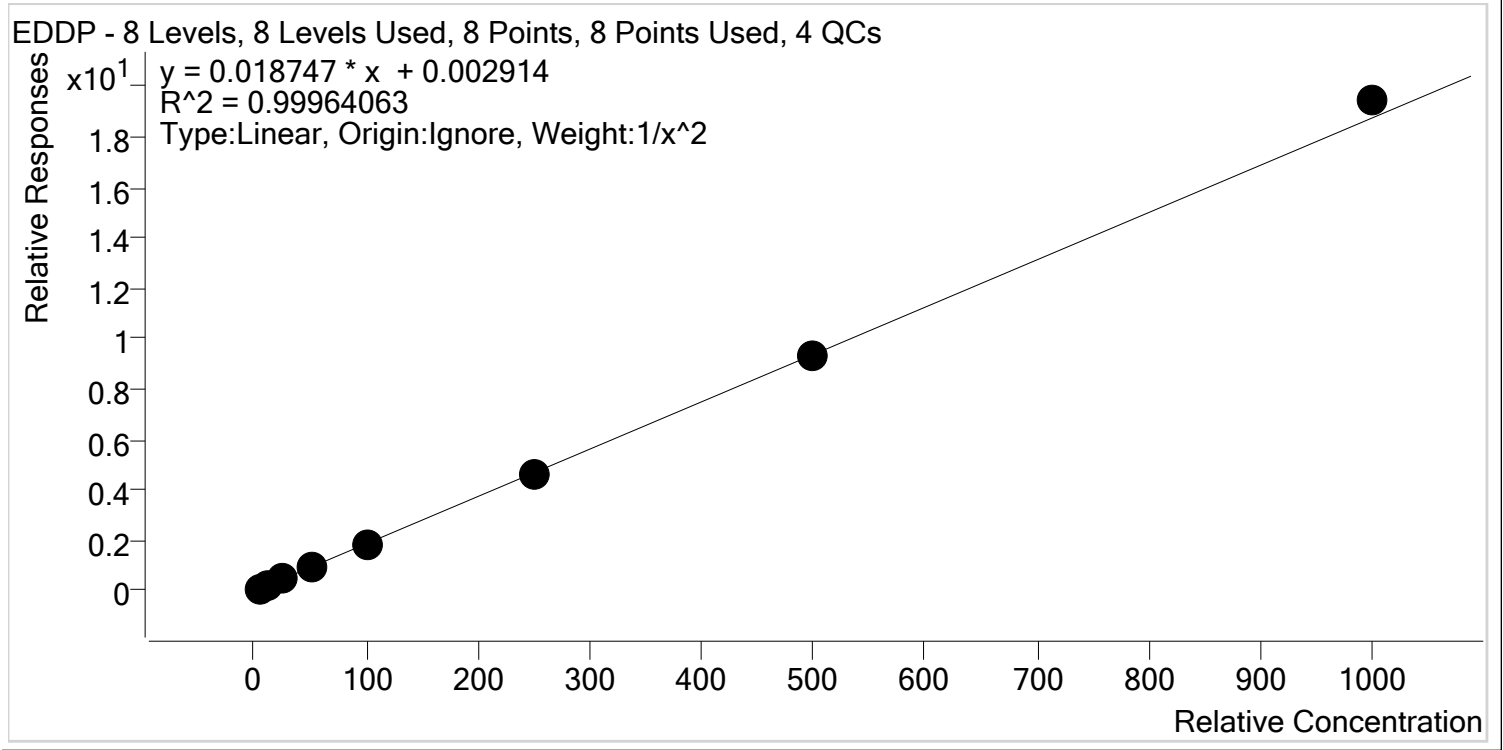


| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 4.6                 | 91.2     |
| p1 Cal 2- 10ng  | 2     | ✓       | 10.0                   | 9.6                 | 96.5     |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 25.0                | 100.1    |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 51.8                | 103.6    |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 102.8               | 102.8    |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 263.4               | 105.3    |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 523.1               | 104.6    |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 959.7               | 96.0     |



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\070720 AM 27 28 SP\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/9/2020 10:39 AM  
**Analyst Name** ISP\datastor  
**Analyte** EDDP **Internal Standard** EDDP-D3

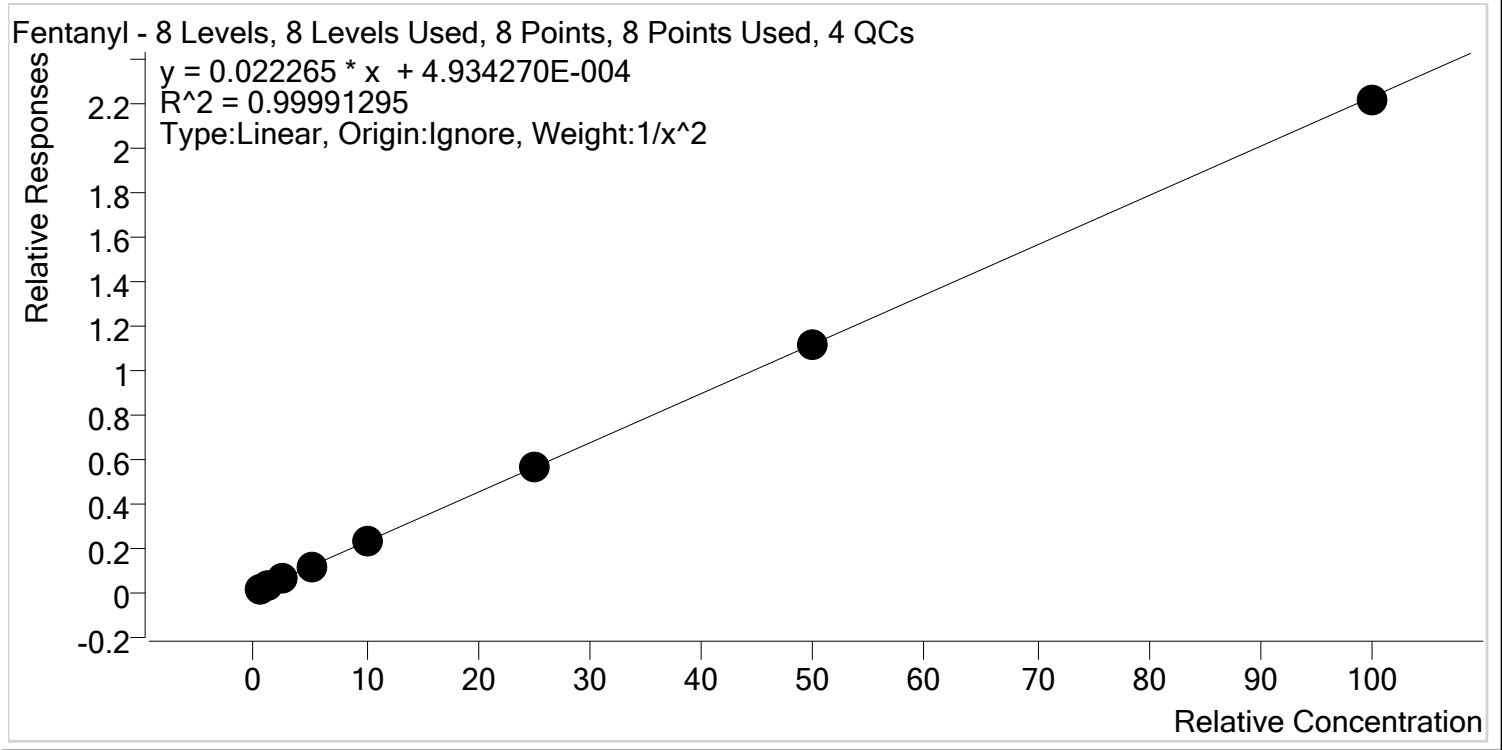


| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 5.0                 | 100.7    |
| p1 Cal 2- 10ng  | 2     | ✓       | 10.0                   | 9.9                 | 99.0     |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 24.9                | 99.4     |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 49.9                | 99.8     |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 98.2                | 98.2     |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 248.5               | 99.4     |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 498.5               | 99.7     |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 1036.7              | 103.7    |



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\070720 AM 27 28 SP\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/9/2020 10:39 AM  
**Analyst Name** ISP\datastor  
**Analyte** Fentanyl **Internal Standard** Fentanyl-D5



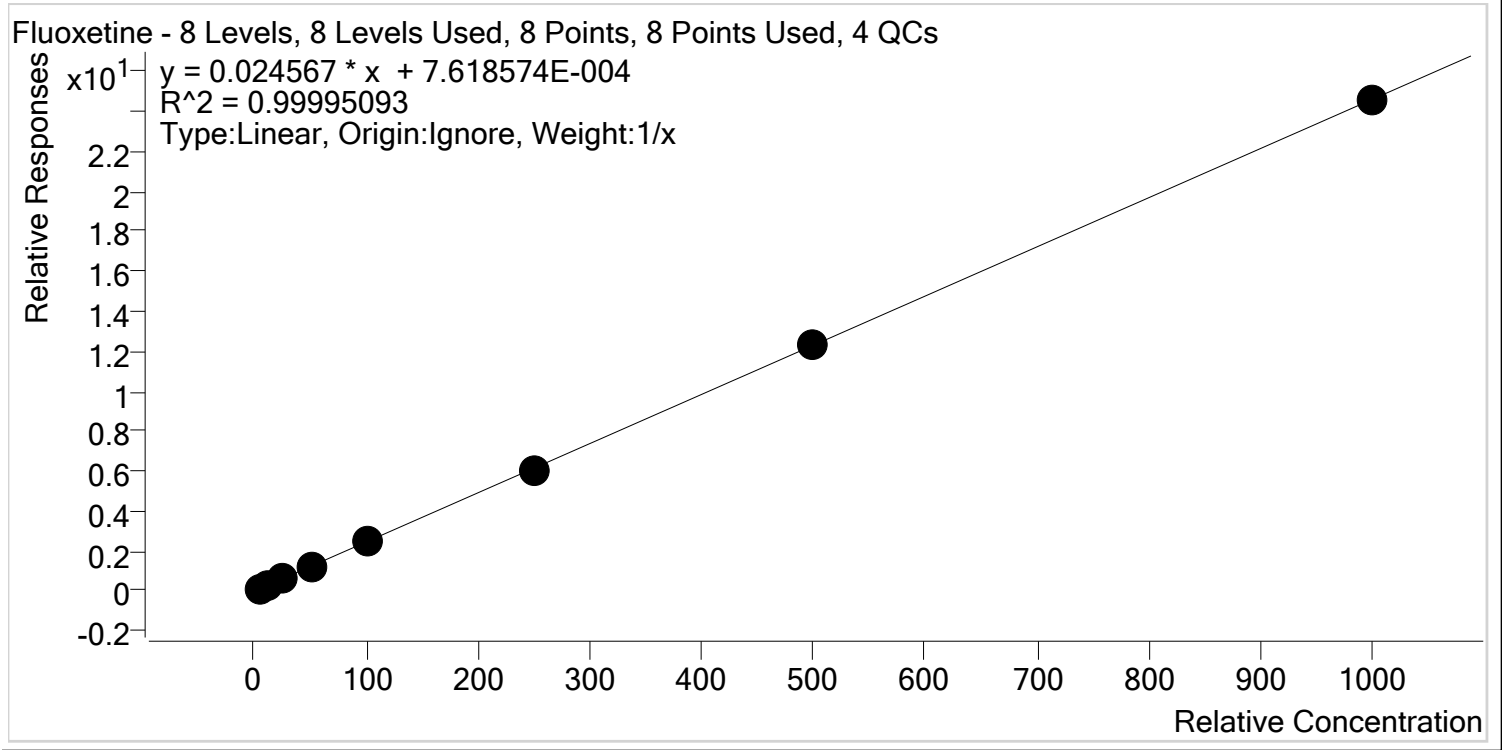
| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 0.5                    | 0.5                 | 100.2    |
| p1 Cal 2- 10ng  | 2     | ✓       | 1.0                    | 1.0                 | 99.5     |
| p1 Cal 3 -25ng  | 3     | ✓       | 2.5                    | 2.5                 | 99.9     |
| p1 Cal 4-50ng   | 4     | ✓       | 5.0                    | 5.0                 | 100.8    |
| p1 Cal 5-100ng  | 5     | ✓       | 10.0                   | 10.0                | 99.6     |
| p1 Cal 6-250ng  | 6     | ✓       | 25.0                   | 25.4                | 101.5    |
| p1 Cal 7-500ng  | 7     | ✓       | 50.0                   | 49.7                | 99.3     |
| p1 Cal 8-1000ng | 8     | ✓       | 100.0                  | 99.2                | 99.2     |





# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\070720 AM 27 28 SP\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/9/2020 10:39 AM  
**Analyst Name** ISP\datastor  
**Analyte** Fluoxetine **Internal Standard** Fluoxetine-D6



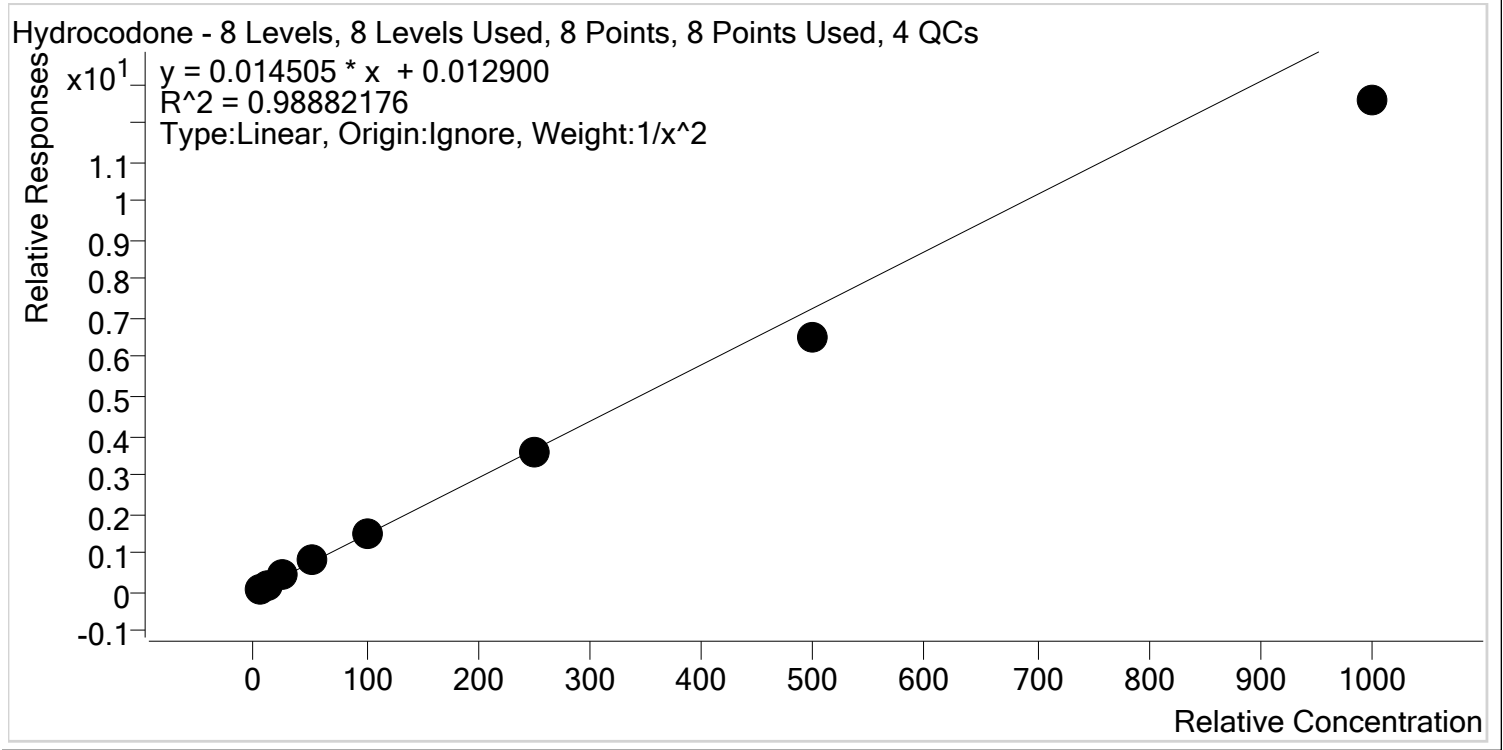
| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 4.9                 | 98.8     |
| p1 Cal 2- 10ng  | 2     | ✓       | 10.0                   | 10.1                | 101.4    |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 25.0                | 100.1    |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 50.0                | 100.0    |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 100.1               | 100.1    |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 247.3               | 98.9     |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 504.9               | 101.0    |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 997.6               | 99.8     |

\$



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\070720 AM 27 28 SP\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/9/2020 10:39 AM  
**Analyst Name** ISP\datastor  
**Analyte** Hydrocodone **Internal Standard** Hydrocodone-D6



| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 4.7                 | 94.2     |
| p1 Cal 2- 10ng  | 2     | ✓       | 10.0                   | 10.5                | 105.4    |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 27.6                | 110.2    |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 55.3                | 110.6    |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 104.4               | 104.4    |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 248.5               | 99.4     |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 446.0               | 89.2     |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 866.3               | 86.6     |

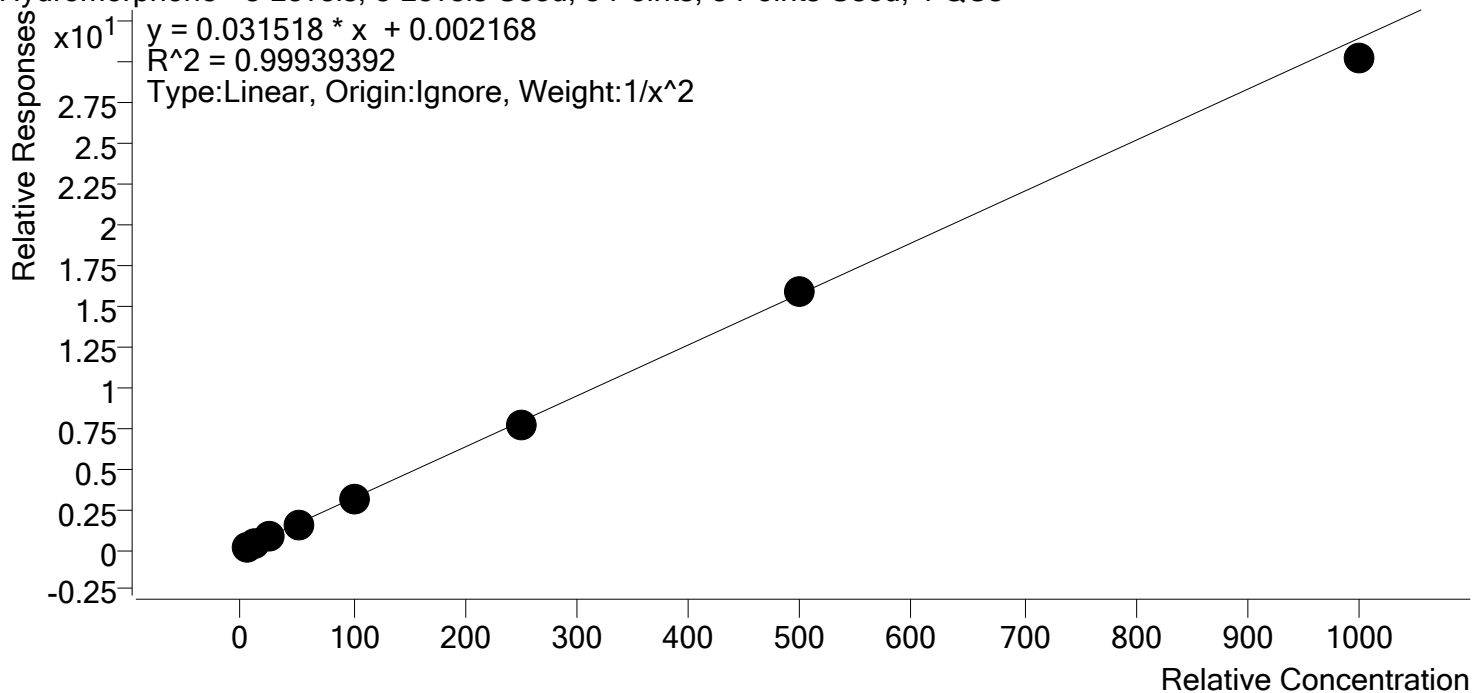
\$



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\070720 AM 27 28 SP\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/9/2020 10:39 AM  
**Analyst Name** ISP\datastor  
**Analyte** Hydromorphone **Internal Standard** Hydromorphone-D6

Hydromorphone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 5.0                 | 99.4     |
| p1 Cal 2- 10ng  | 2     | ✓       | 10.0                   | 10.0                | 99.9     |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 25.7                | 102.7    |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 50.5                | 101.1    |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 101.4               | 101.4    |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 245.4               | 98.1     |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 507.0               | 101.4    |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 960.1               | 96.0     |

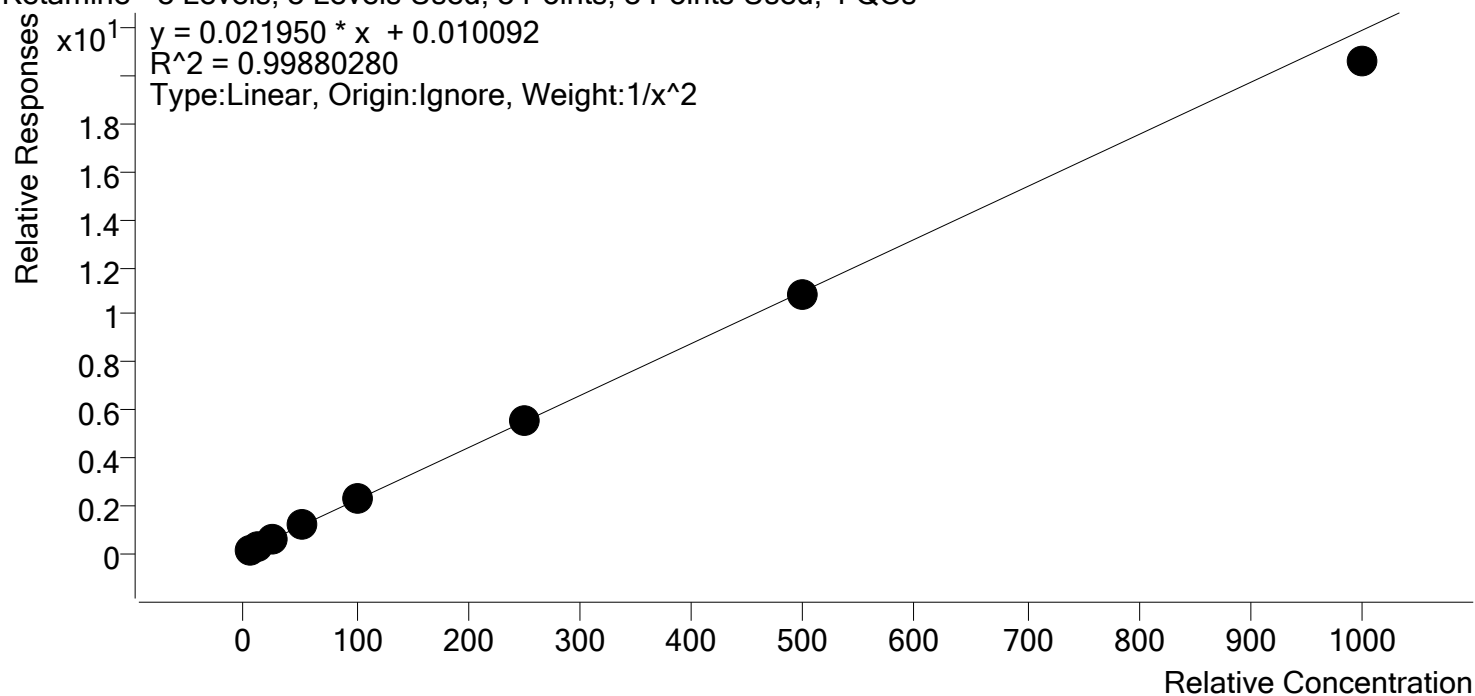
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\070720 AM 27 28 SP\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/9/2020 10:39 AM  
**Analyst Name** ISP\datastor  
**Analyte** Ketamine **Internal Standard** Ketamine-D4

Ketamine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

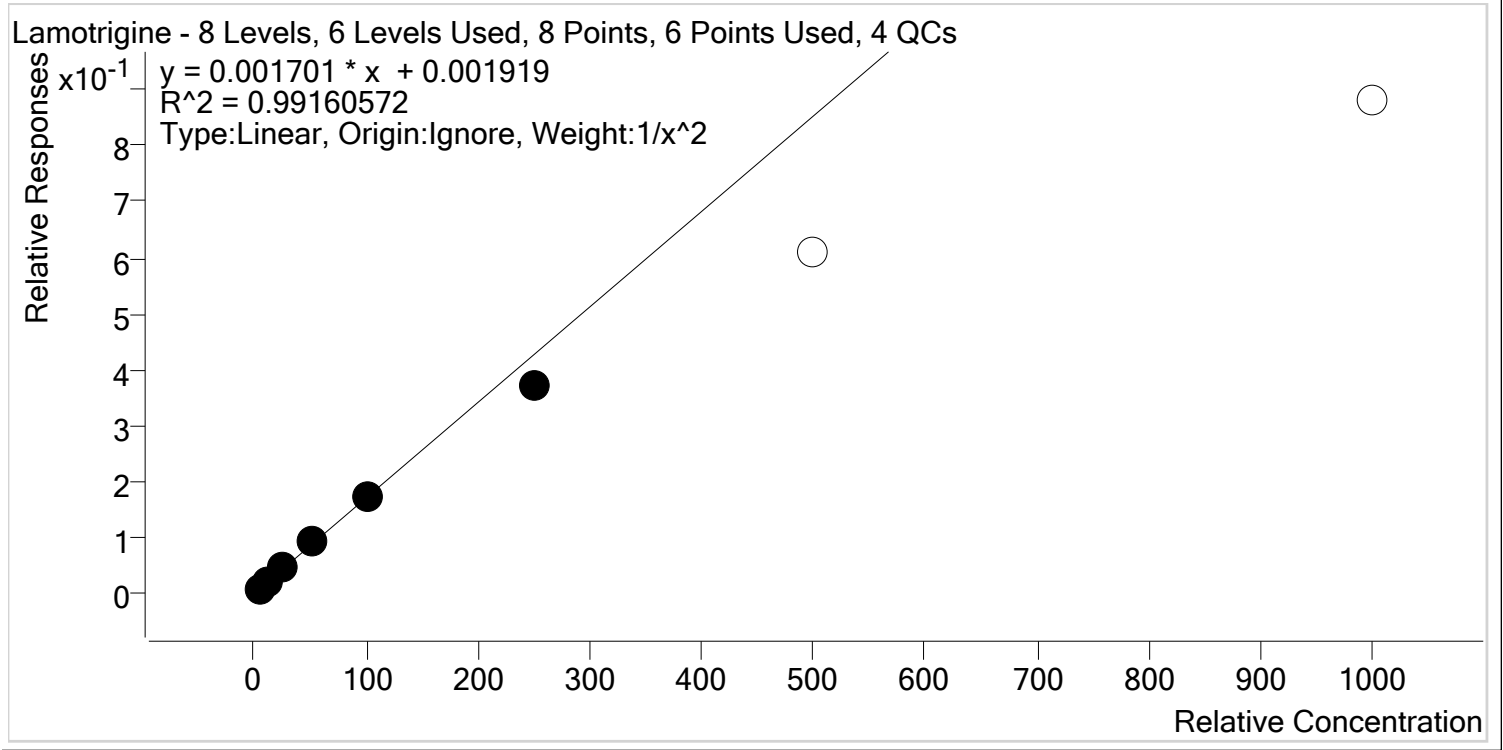


| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 4.9                 | 98.6     |
| p1 Cal 2- 10ng  | 2     | ✓       | 10.0                   | 10.1                | 101.3    |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 25.3                | 101.2    |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 52.0                | 104.1    |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 101.9               | 101.9    |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 250.3               | 100.1    |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 493.5               | 98.7     |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 939.9               | 94.0     |



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\070720 AM 27 28 SP\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/9/2020 10:39 AM  
**Analyst Name** ISP\datastor  
**Analyte** Lamotrigine **Internal Standard** Ketamine-D4



| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 4.8                 | 96.2     |
| p1 Cal 2- 10ng  | 2     | ✓       | 10.0                   | 10.5                | 104.9    |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 26.2                | 104.9    |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 53.0                | 106.0    |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 101.4               | 101.4    |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 216.5               | 86.6     |
| p1 Cal 7-500ng  | 7     | x       | 500.0                  | 359.1               | 71.8     |
| p1 Cal 8-1000ng | 8     | x       | 1000.0                 | 516.2               | 51.6     |

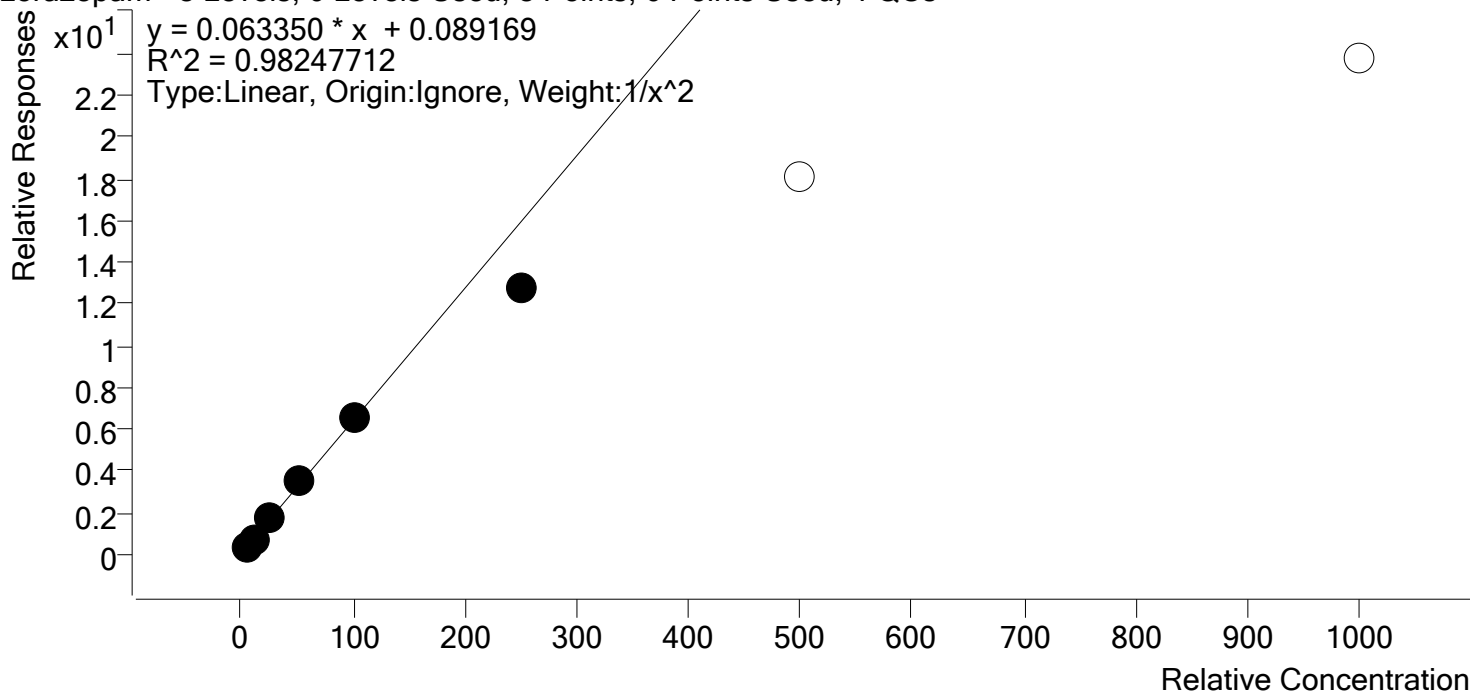
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\070720 AM 27 28 SP\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/9/2020 10:39 AM  
**Analyst Name** ISP\datastor  
**Analyte** Lorazepam **Internal Standard** Clonazepam-D4

Lorazepam - 8 Levels, 6 Levels Used, 8 Points, 6 Points Used, 4 QCs

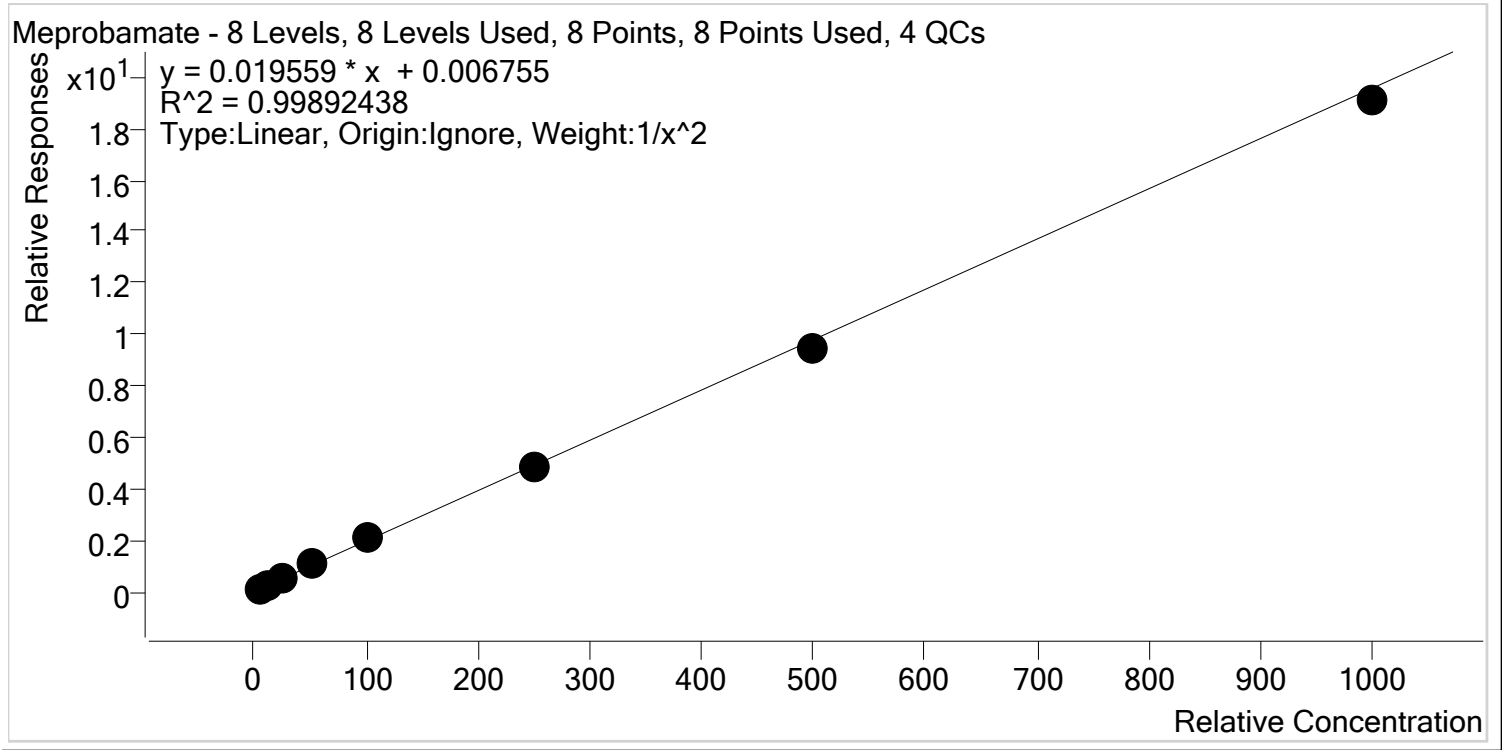


| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 4.7                 | 94.9     |
| p1 Cal 2- 10ng  | 2     | ✓       | 10.0                   | 10.6                | 105.9    |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 26.9                | 107.7    |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 54.7                | 109.4    |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 101.6               | 101.6    |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 201.3               | 80.5     |
| p1 Cal 7-500ng  | 7     | x       | 500.0                  | 284.4               | 56.9     |
| p1 Cal 8-1000ng | 8     | x       | 1000.0                 | 373.3               | 37.3     |



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\070720 AM 27 28 SP\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/9/2020 10:39 AM  
**Analyst Name** ISP\datastor  
**Analyte** Meprobamate **Internal Standard** Meprobamate-D7

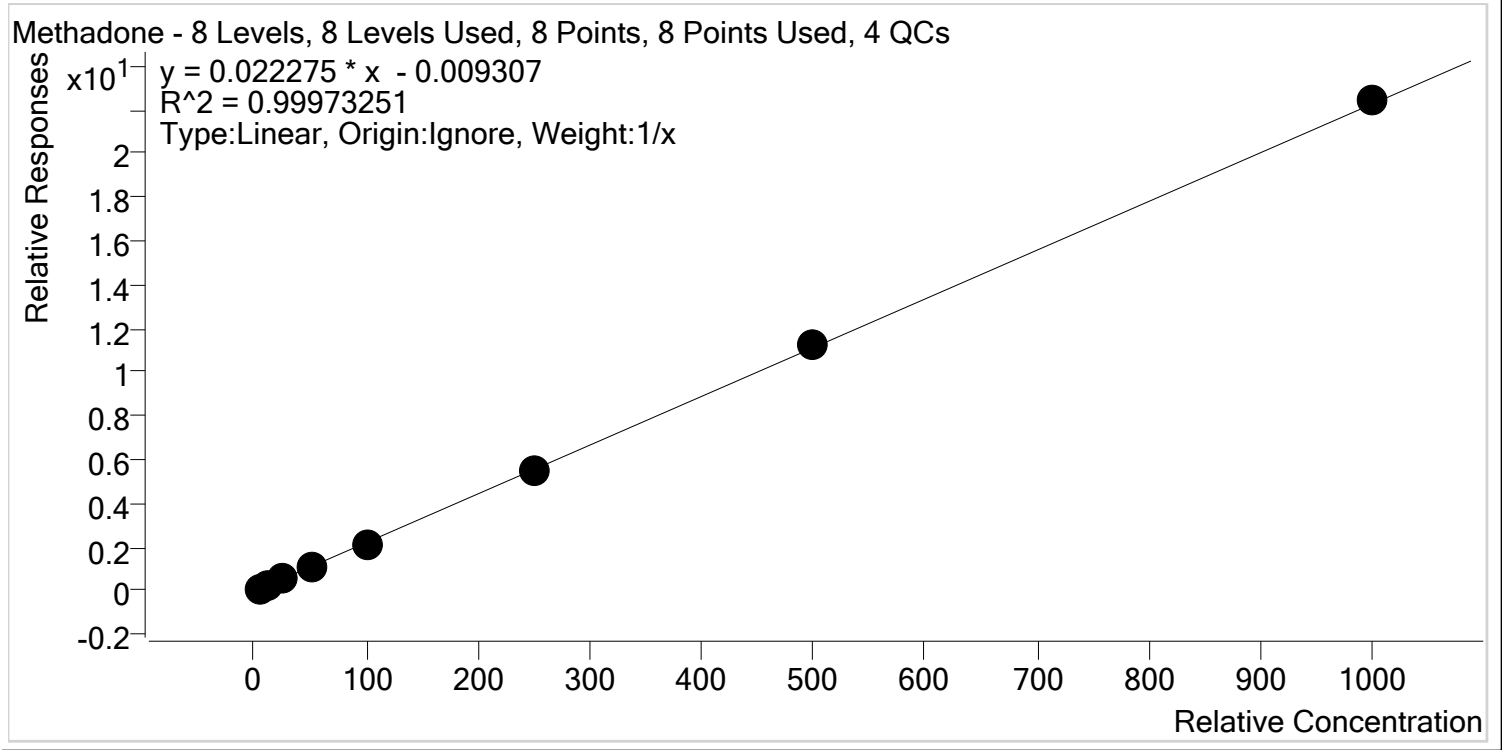


| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 5.0                 | 99.8     |
| p1 Cal 2- 10ng  | 2     | ✓       | 10.0                   | 9.9                 | 98.9     |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 25.3                | 101.1    |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 52.1                | 104.2    |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 103.6               | 103.6    |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 247.2               | 98.9     |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 479.7               | 95.9     |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 975.5               | 97.5     |



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\070720 AM 27 28 SP\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/9/2020 10:39 AM  
**Analyst Name** ISP\datastor  
**Analyte** Methadone **Internal Standard** Methadone-D9



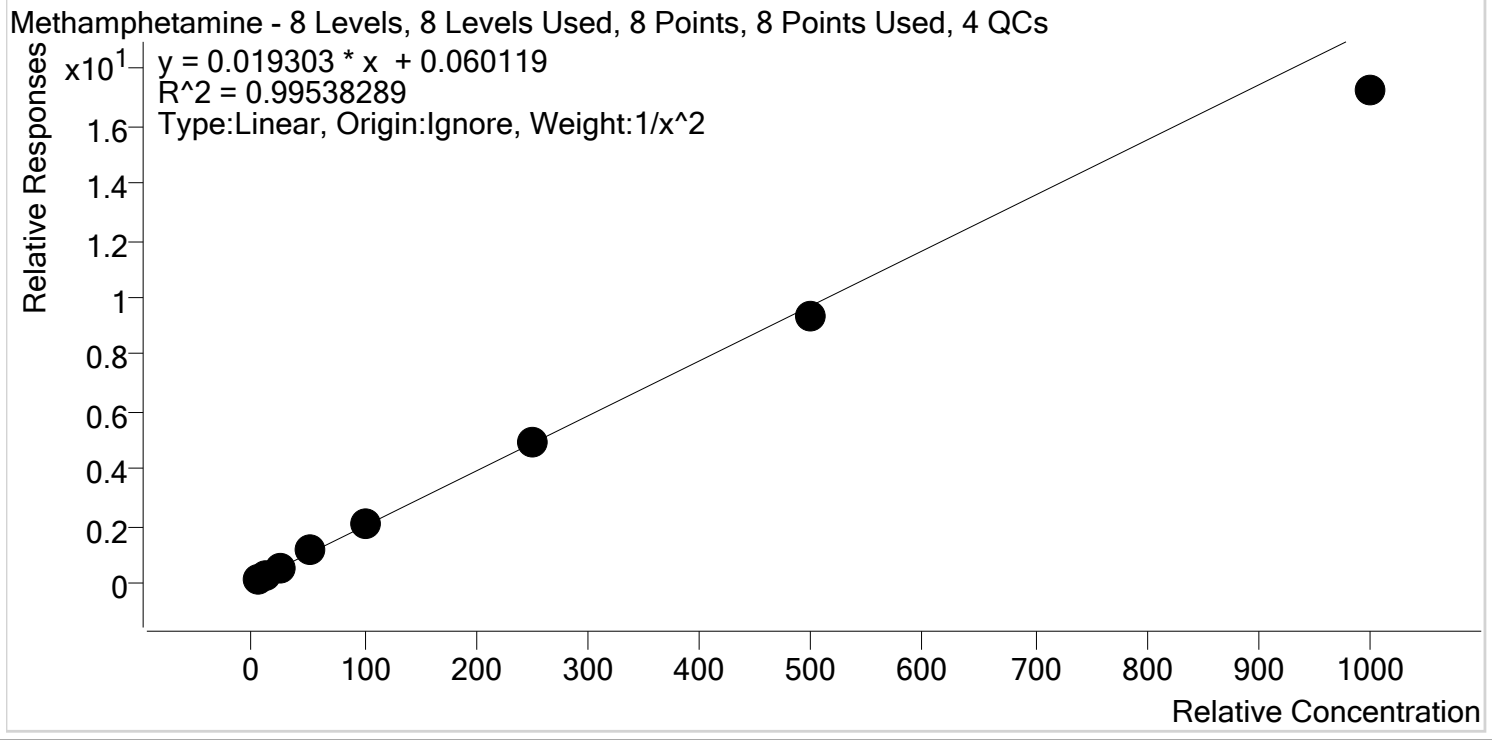
| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 5.4                 | 107.8    |
| p1 Cal 2- 10ng  | 2     | ✓       | 10.0                   | 10.2                | 102.0    |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 24.1                | 96.4     |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 49.4                | 98.8     |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 95.8                | 95.8     |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 244.0               | 97.6     |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 504.0               | 100.8    |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 1007.1              | 100.7    |





# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\070720 AM 27 28 SP\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/9/2020 10:39 AM  
**Analyst Name** ISP\datastor  
**Analyte** Methamphetamine **Internal Standard** Methamphetamine-D11



| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 4.9                 | 98.4     |
| p1 Cal 2- 10ng  | 2     | ✓       | 10.0                   | 10.0                | 100.3    |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 25.5                | 102.1    |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 54.5                | 109.1    |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 103.9               | 103.9    |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 253.4               | 101.4    |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 479.4               | 95.9     |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 890.0               | 89.0     |

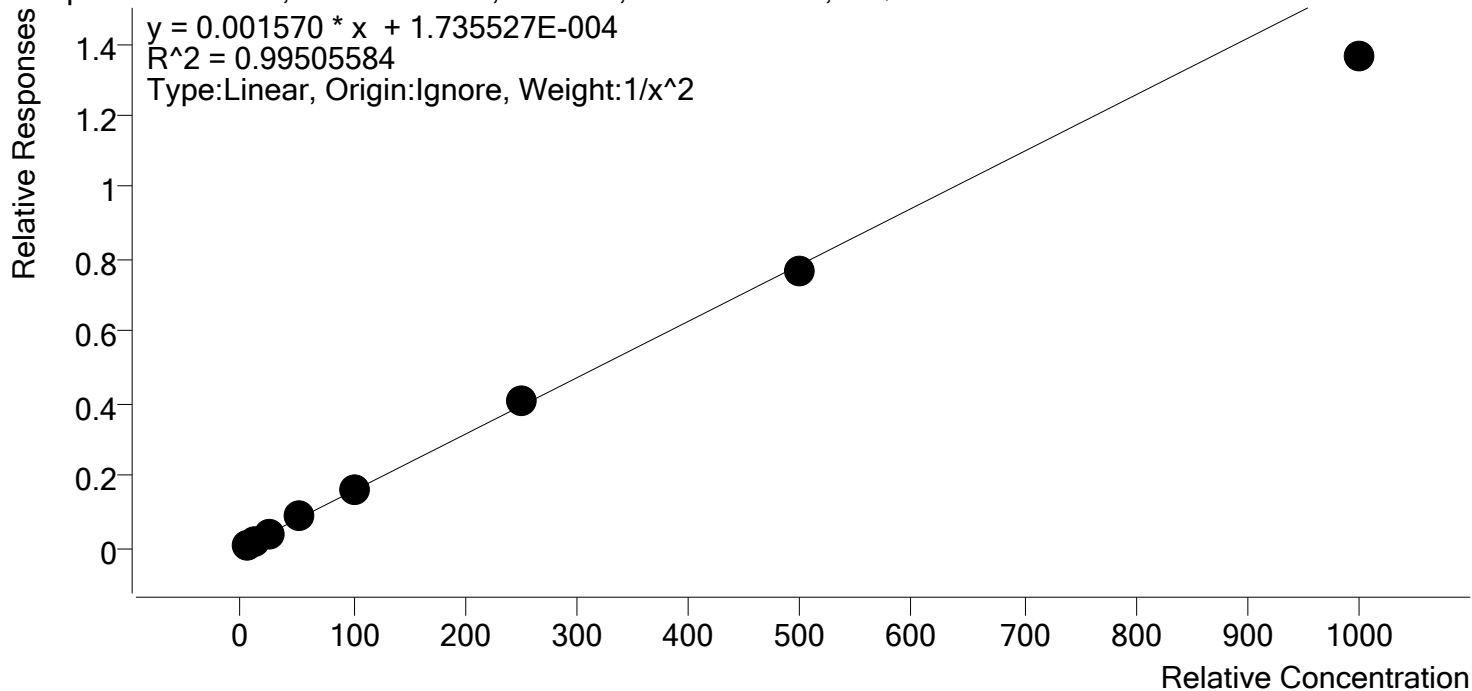
\$



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\070720 AM 27 28 SP\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/9/2020 10:39 AM  
**Analyst Name** ISP\datastor  
**Analyte** Metoprolol **Internal Standard** Tramadol-13C-D3

Metoprolol - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

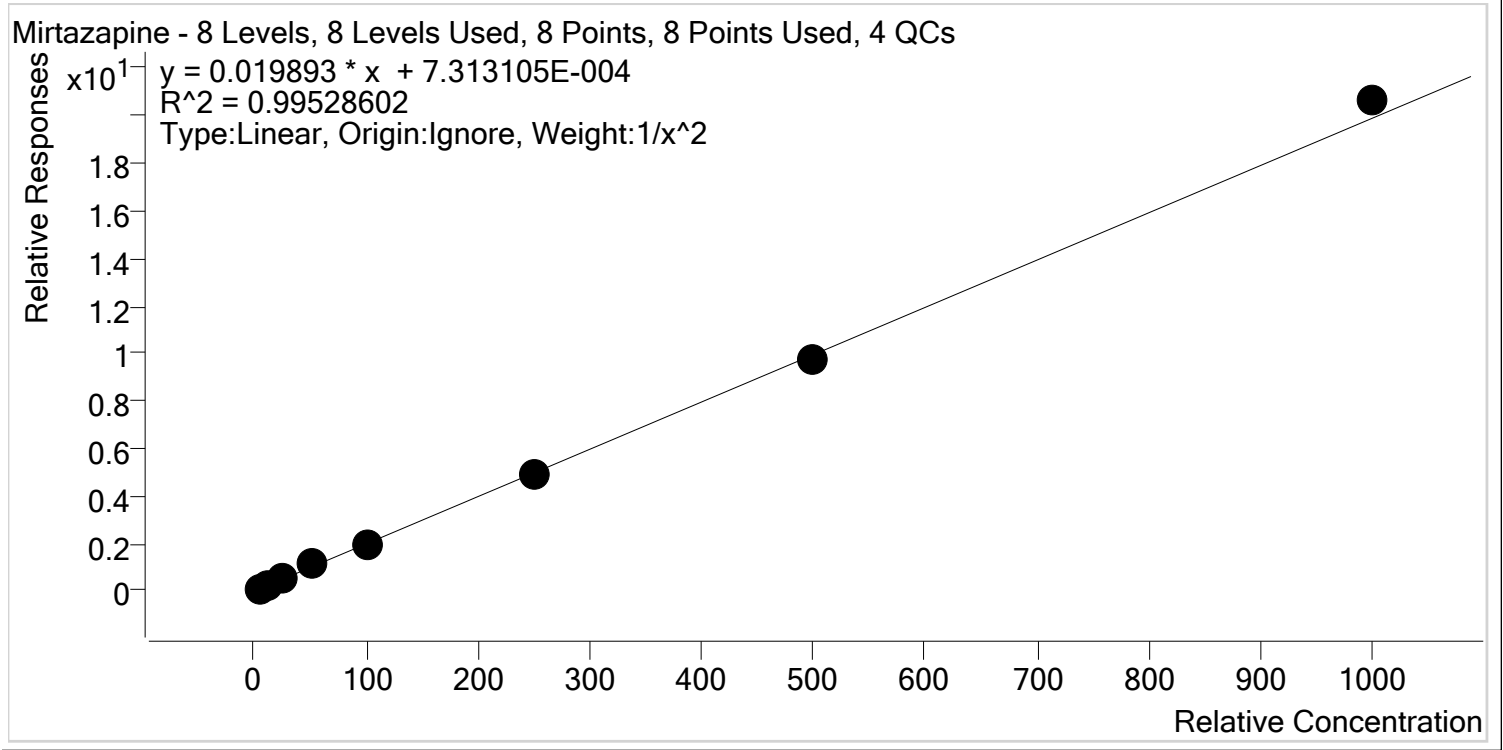


| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 4.9                 | 98.1     |
| p1 Cal 2- 10ng  | 2     | ✓       | 10.0                   | 10.1                | 100.9    |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 25.8                | 103.1    |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 53.1                | 106.2    |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 104.4               | 104.4    |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 257.6               | 103.0    |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 487.3               | 97.5     |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 867.9               | 86.8     |



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\070720 AM 27 28 SP\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/9/2020 10:39 AM  
**Analyst Name** ISP\datastor  
**Analyte** Mirtazapine **Internal Standard** alpha-PVP-d8



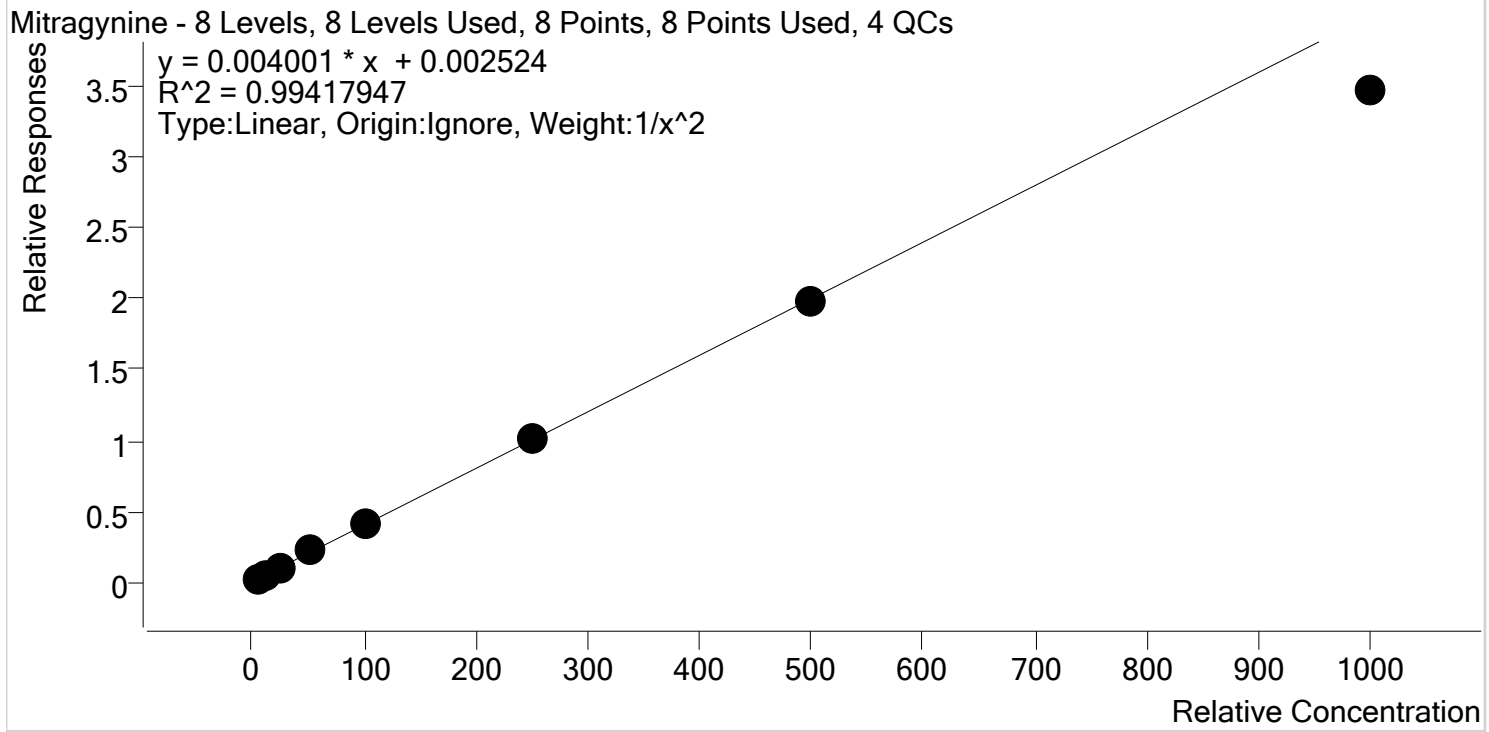
| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 5.2                 | 103.6    |
| p1 Cal 2- 10ng  | 2     | ✓       | 10.0                   | 9.3                 | 93.3     |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 23.5                | 94.2     |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 55.6                | 111.2    |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 96.3                | 96.3     |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 250.0               | 100.0    |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 488.6               | 97.7     |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 1037.4              | 103.7    |

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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\070720 AM 27 28 SP\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/9/2020 10:39 AM  
**Analyst Name** ISP\datastor  
**Analyte** Mitragynine **Internal Standard** Methadone-D9

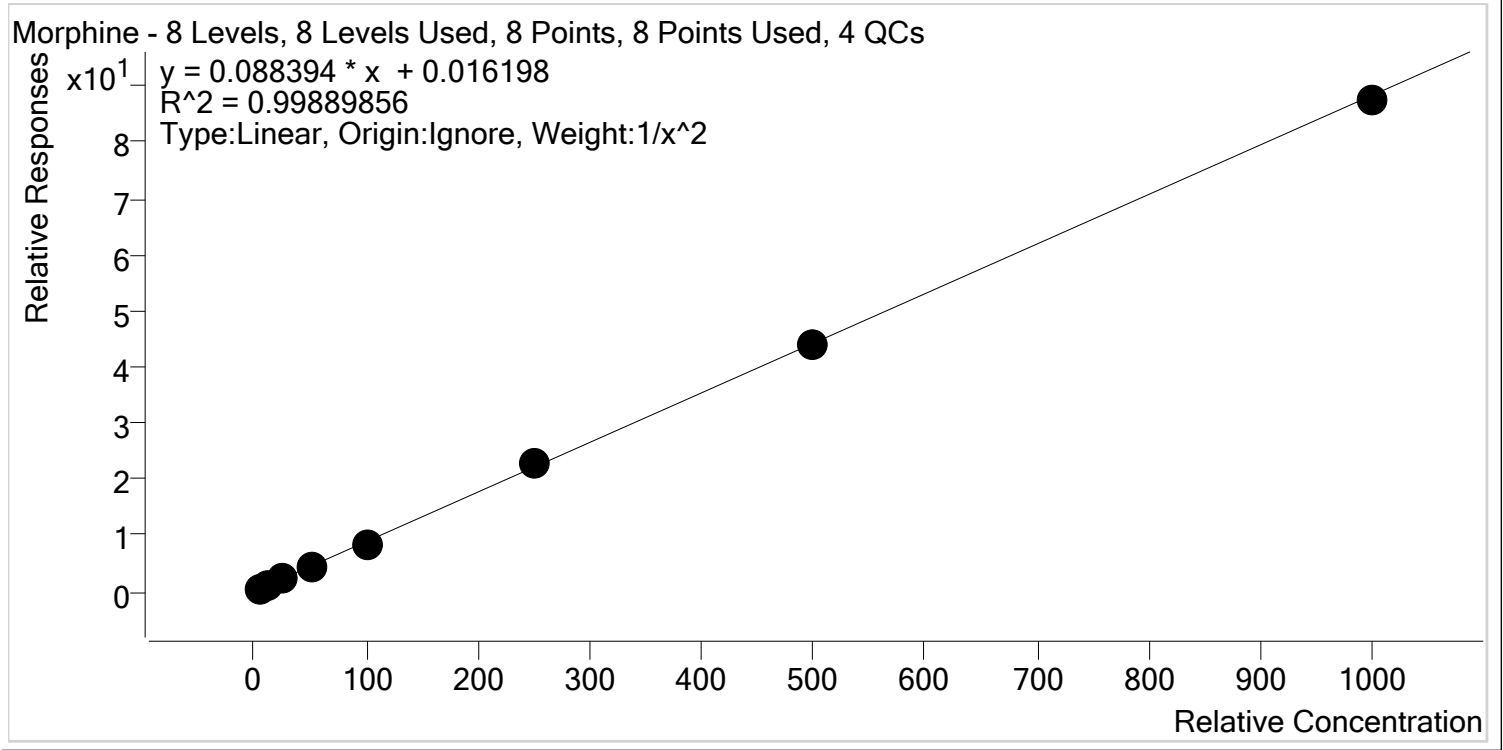


| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 4.9                 | 99.0     |
| p1 Cal 2- 10ng  | 2     | ✓       | 10.0                   | 9.8                 | 98.3     |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 26.0                | 103.9    |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 55.2                | 110.4    |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 101.7               | 101.7    |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 253.4               | 101.3    |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 492.4               | 98.5     |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 868.0               | 86.8     |



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\070720 AM 27 28 SP\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/9/2020 10:39 AM  
**Analyst Name** ISP\datastor  
**Analyte** Morphine **Internal Standard** Morphine-D6

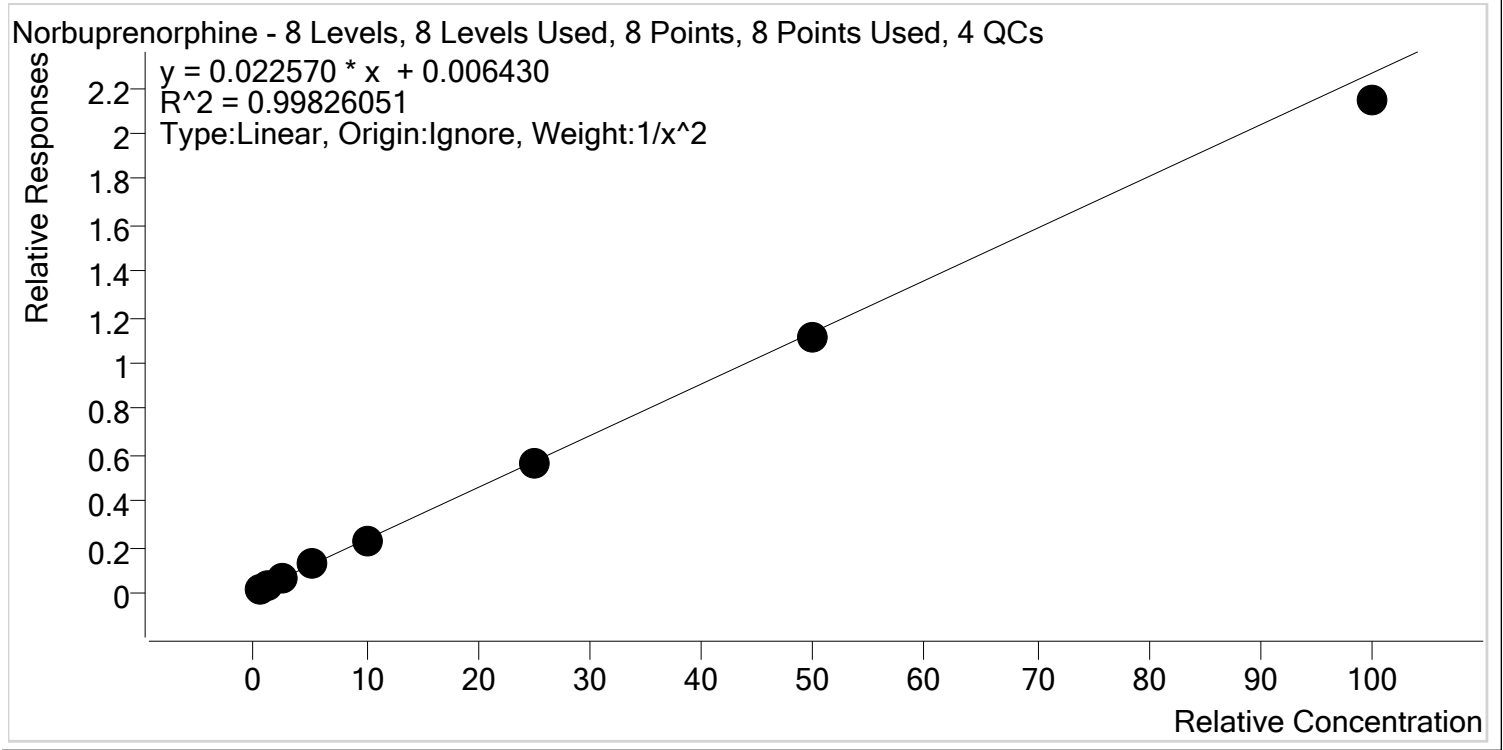


| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 5.0                 | 100.9    |
| p1 Cal 2- 10ng  | 2     | ✓       | 10.0                   | 9.7                 | 97.1     |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 25.6                | 102.5    |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 51.0                | 101.9    |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 95.3                | 95.3     |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 259.8               | 103.9    |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 496.8               | 99.4     |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 989.3               | 98.9     |



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\070720 AM 27 28 SP\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/9/2020 10:39 AM  
**Analyst Name** ISP\datastor  
**Analyte** Norbuprenorphine **Internal Standard** Norbuprenorphine-D3



| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 0.5                    | 0.5                 | 96.8     |
| p1 Cal 2- 10ng  | 2     | ✓       | 1.0                    | 1.0                 | 104.0    |
| p1 Cal 3 -25ng  | 3     | ✓       | 2.5                    | 2.6                 | 105.5    |
| p1 Cal 4-50ng   | 4     | ✓       | 5.0                    | 5.1                 | 101.8    |
| p1 Cal 5-100ng  | 5     | ✓       | 10.0                   | 9.9                 | 99.5     |
| p1 Cal 6-250ng  | 6     | ✓       | 25.0                   | 24.9                | 99.8     |
| p1 Cal 7-500ng  | 7     | ✓       | 50.0                   | 49.0                | 98.0     |
| p1 Cal 8-1000ng | 8     | ✓       | 100.0                  | 94.7                | 94.7     |

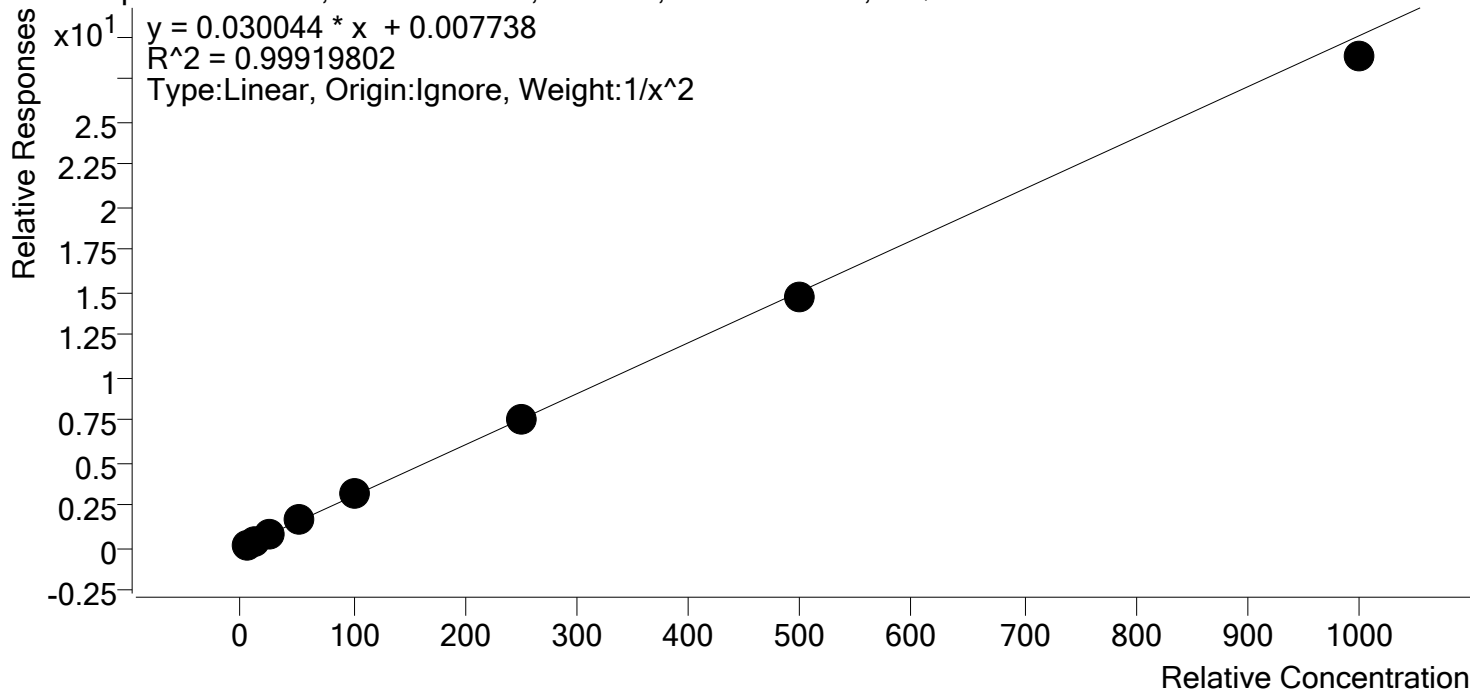
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\070720 AM 27 28 SP\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/9/2020 10:39 AM  
**Analyst Name** ISP\datastor  
**Analyte** Nordiazepam **Internal Standard** Nordiazepam-D5

Nordiazepam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 5.0                 | 99.3     |
| p1 Cal 2- 10ng  | 2     | ✓       | 10.0                   | 10.1                | 100.8    |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 24.7                | 99.0     |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 51.7                | 103.5    |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 102.3               | 102.3    |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 253.1               | 101.2    |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 489.4               | 97.9     |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 959.2               | 95.9     |

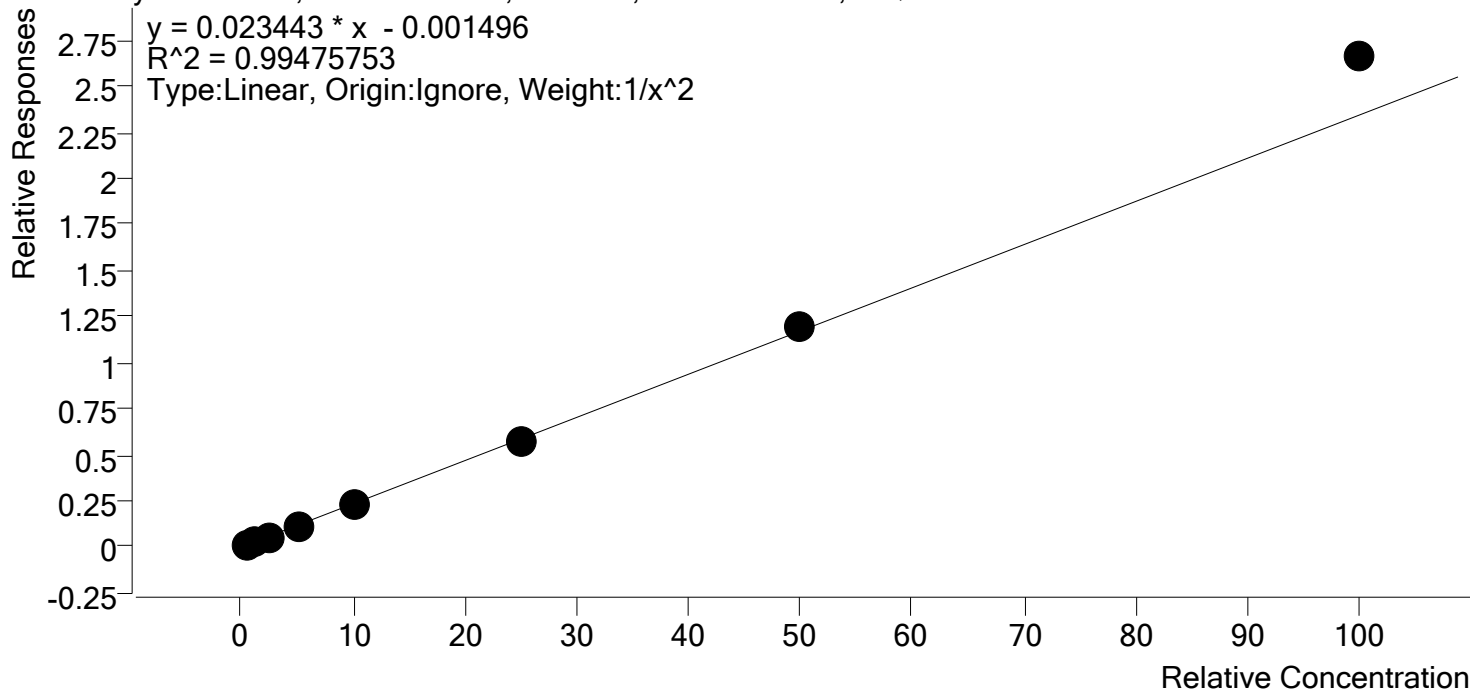
\$



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\070720 AM 27 28 SP\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/9/2020 10:39 AM  
**Analyst Name** ISP\datastor  
**Analyte** Norfentanyl Internal Standard Norfentanyl-D5

Norfentanyl - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 0.5                    | 0.5                 | 102.8    |
| p1 Cal 2- 10ng  | 2     | ✓       | 1.0                    | 1.0                 | 97.7     |
| p1 Cal 3 -25ng  | 3     | ✓       | 2.5                    | 2.4                 | 95.2     |
| p1 Cal 4-50ng   | 4     | ✓       | 5.0                    | 4.7                 | 94.6     |
| p1 Cal 5-100ng  | 5     | ✓       | 10.0                   | 9.5                 | 95.4     |
| p1 Cal 6-250ng  | 6     | ✓       | 25.0                   | 24.6                | 98.4     |
| p1 Cal 7-500ng  | 7     | ✓       | 50.0                   | 51.1                | 102.3    |
| p1 Cal 8-1000ng | 8     | ✓       | 100.0                  | 113.6               | 113.6    |



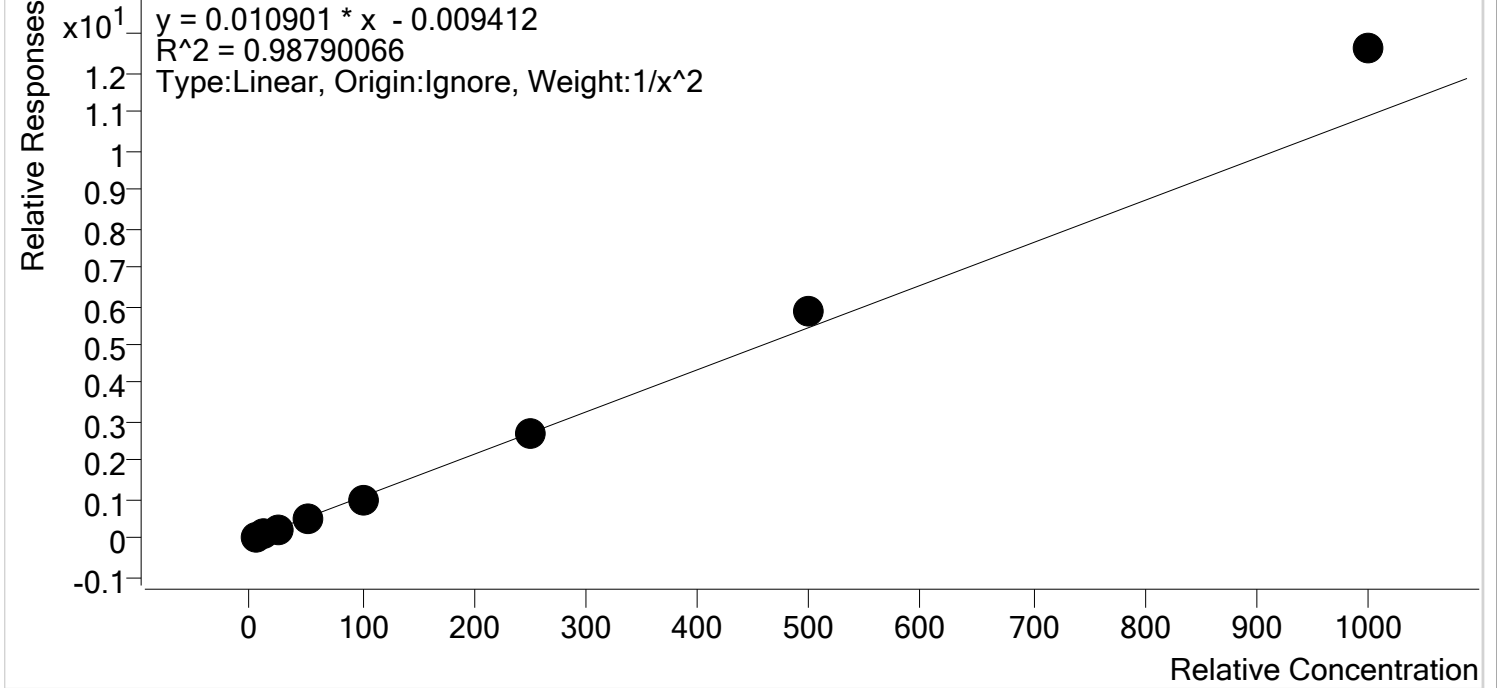
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\070720 AM 27 28 SP\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/9/2020 10:39 AM  
**Analyst Name** ISP\datastor  
**Analyte** Norhydrocodone **Internal Standard** Norhydrocodone-D3

Norhydrocodone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 5.3                 | 105.6    |
| p1 Cal 2- 10ng  | 2     | ✓       | 10.0                   | 9.6                 | 96.0     |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 21.5                | 85.9     |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 46.8                | 93.6     |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 94.3                | 94.3     |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 250.6               | 100.2    |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 542.6               | 108.5    |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 1159.0              | 115.9    |

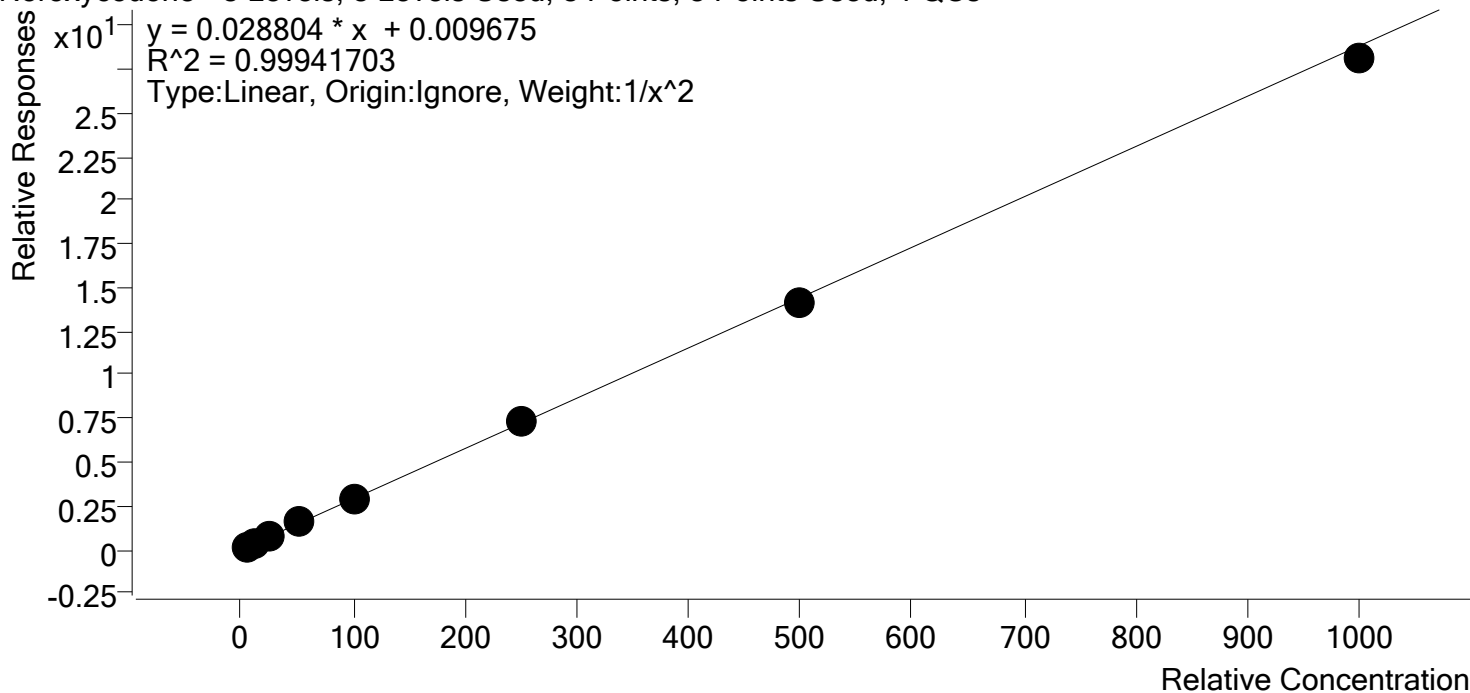
\$



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\070720 AM 27 28 SP\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/9/2020 10:39 AM  
**Analyst Name** ISP\datastor  
**Analyte** Noroxycodone **Internal Standard** Noroxycodone-D3

Noroxycodone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

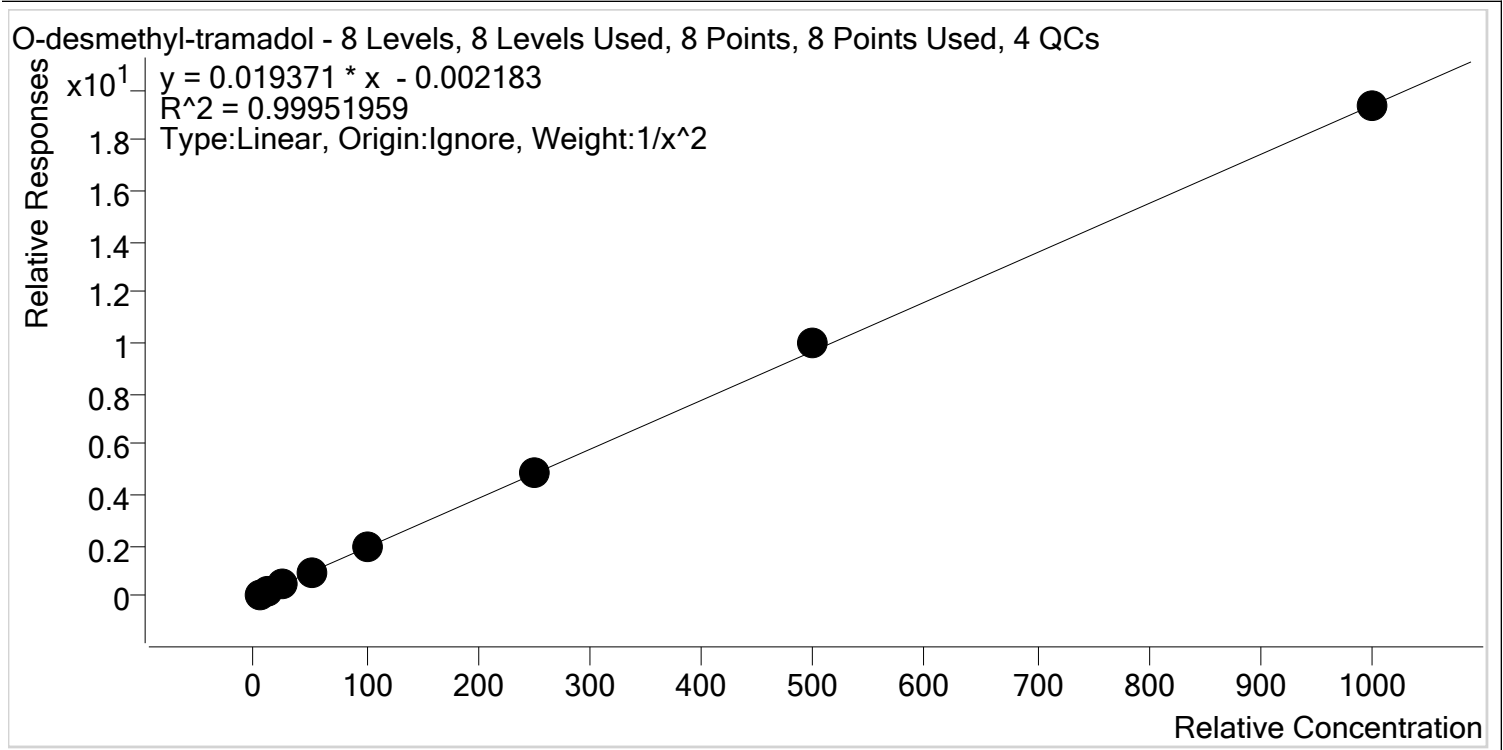


| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 5.0                 | 99.5     |
| p1 Cal 2- 10ng  | 2     | ✓       | 10.0                   | 10.0                | 99.9     |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 25.2                | 101.0    |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 51.9                | 103.8    |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 99.8                | 99.8     |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 253.3               | 101.3    |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 486.5               | 97.3     |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 974.8               | 97.5     |



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\070720 AM 27 28 SP\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/9/2020 10:39 AM  
**Analyst Name** ISP\datastor  
**Analyte** O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6

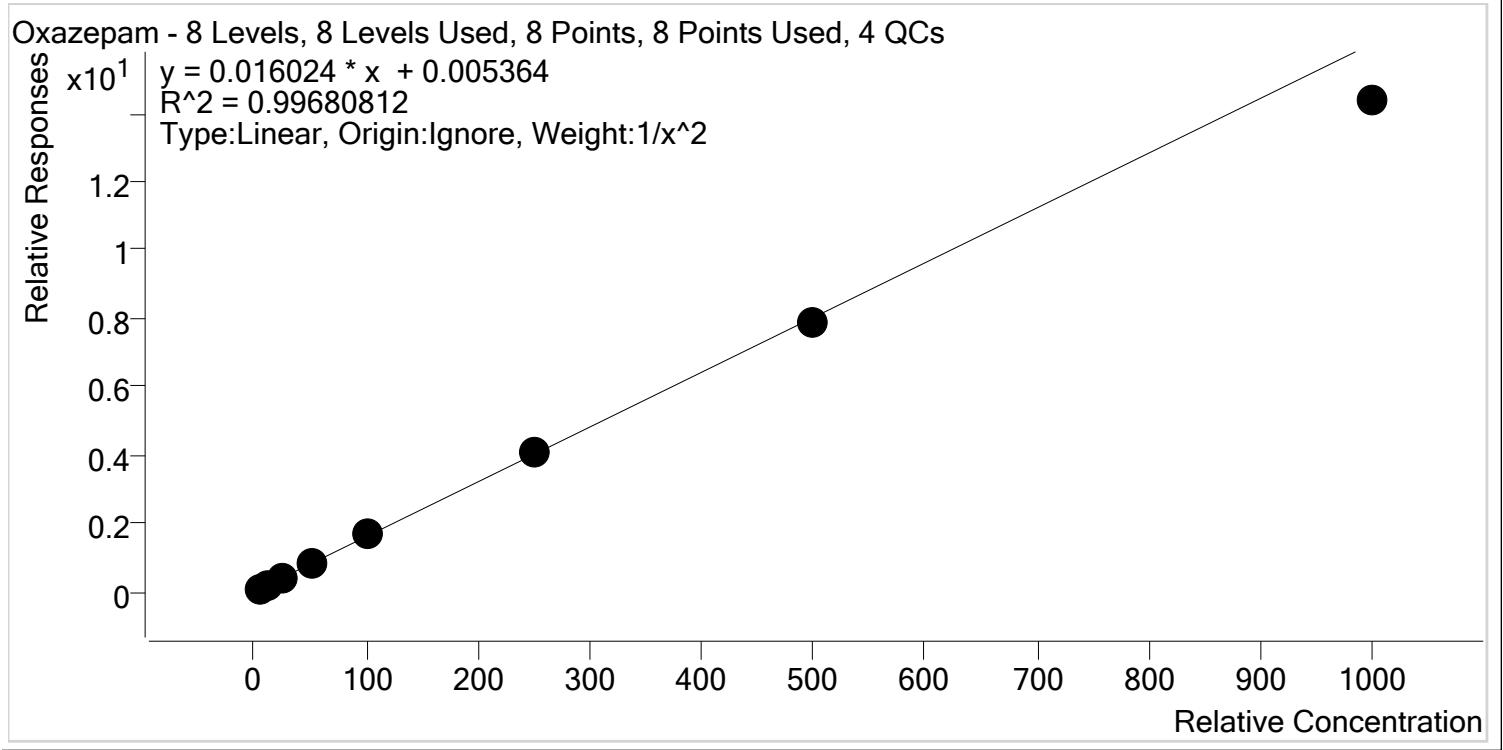


| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 5.1                 | 101.4    |
| p1 Cal 2- 10ng  | 2     | ✓       | 10.0                   | 9.8                 | 98.4     |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 24.3                | 97.2     |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 49.6                | 99.2     |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 99.2                | 99.2     |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 254.7               | 101.9    |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 514.3               | 102.9    |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 998.1               | 99.8     |



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\070720 AM 27 28 SP\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/9/2020 10:39 AM  
**Analyst Name** ISP\datastor  
**Analyte** Oxazepam **Internal Standard** Oxazepam-D5

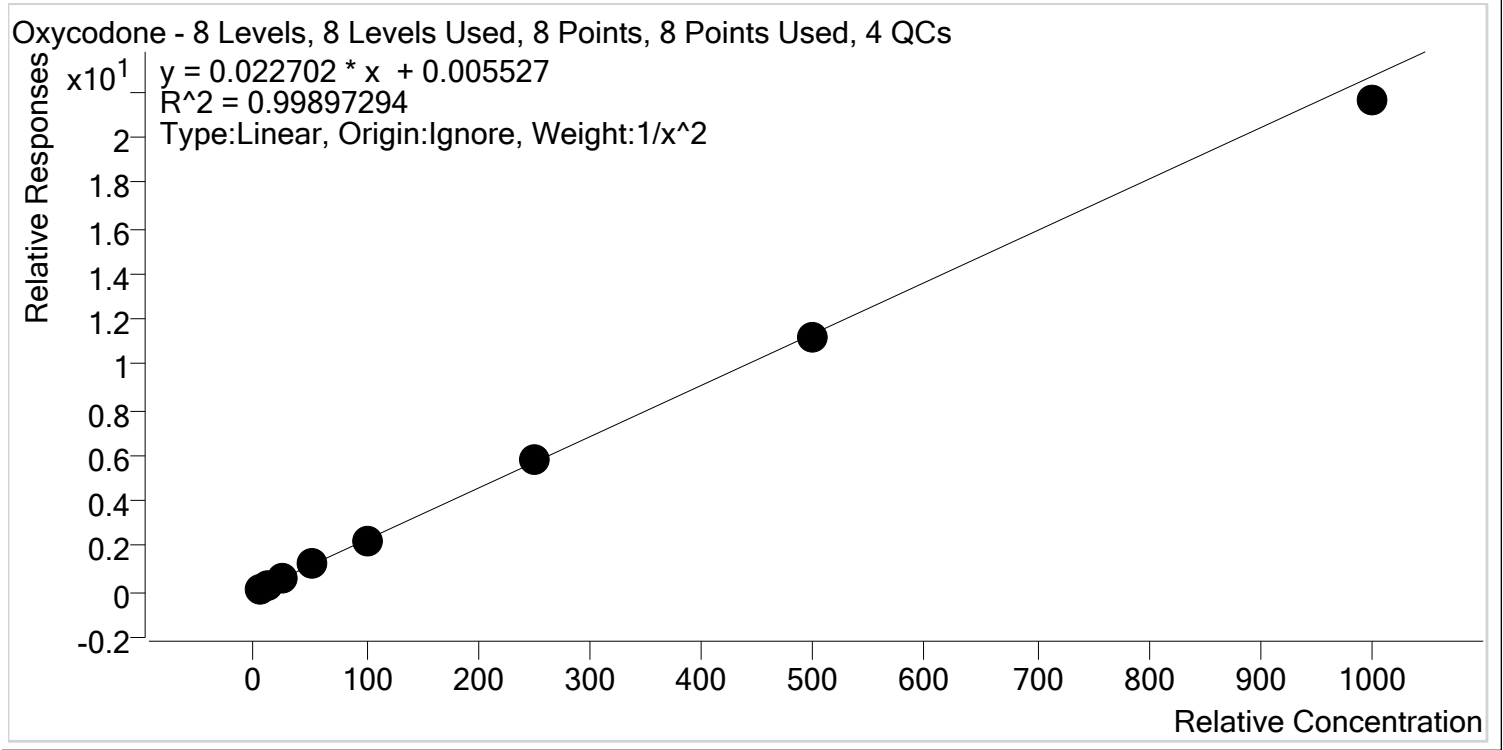


| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 4.9                 | 98.8     |
| p1 Cal 2- 10ng  | 2     | ✓       | 10.0                   | 10.0                | 100.5    |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 25.3                | 101.1    |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 52.8                | 105.5    |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 104.7               | 104.7    |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 253.6               | 101.4    |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 491.5               | 98.3     |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 896.0               | 89.6     |



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\070720 AM 27 28 SP\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/9/2020 10:39 AM  
**Analyst Name** ISP\datastor  
**Analyte** Oxycodone **Internal Standard** Oxycodone-D6

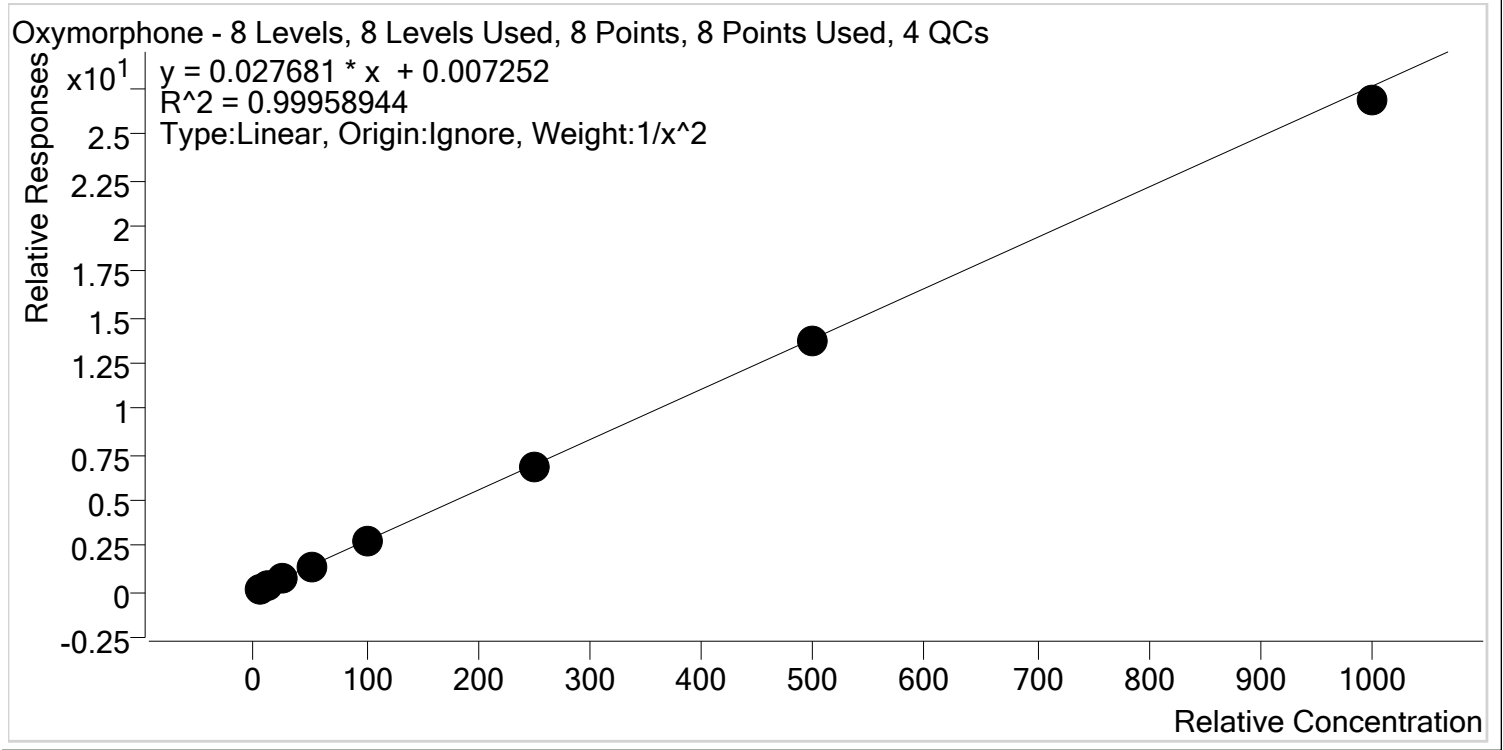


| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 5.0                 | 100.2    |
| p1 Cal 2- 10ng  | 2     | ✓       | 10.0                   | 9.8                 | 98.2     |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 25.2                | 100.9    |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 52.3                | 104.6    |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 100.9               | 100.9    |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 254.1               | 101.6    |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 491.0               | 98.2     |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 952.8               | 95.3     |



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\070720 AM 27 28 SP\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/9/2020 10:39 AM  
**Analyst Name** ISP\datastor  
**Analyte** Oxymorphone **Internal Standard** Oxymorphone-D3



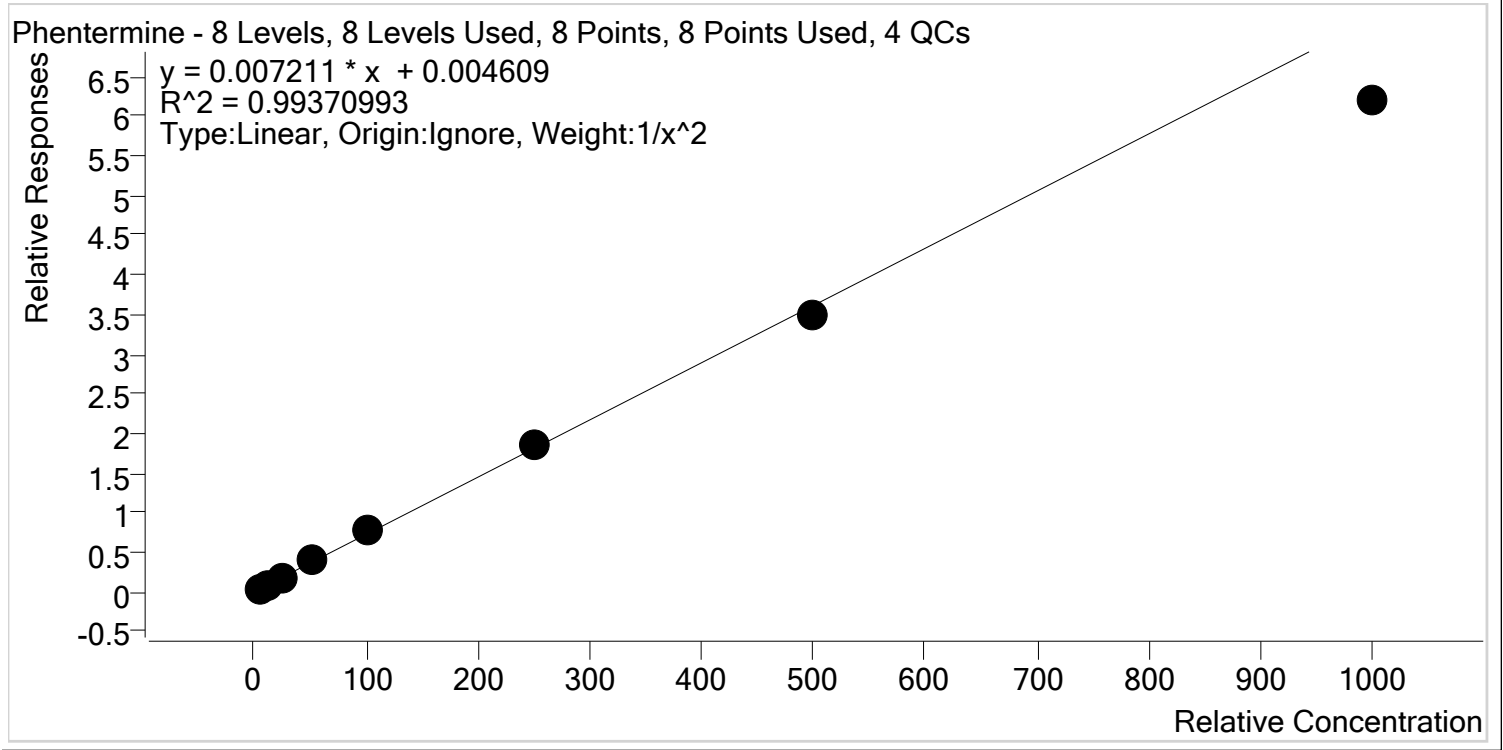
| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 5.0                 | 99.3     |
| p1 Cal 2- 10ng  | 2     | ✓       | 10.0                   | 10.0                | 100.0    |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 25.6                | 102.2    |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 51.0                | 101.9    |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 101.4               | 101.4    |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 246.3               | 98.5     |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 497.3               | 99.5     |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 971.4               | 97.1     |

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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\070720 AM 27 28 SP\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/9/2020 10:39 AM  
**Analyst Name** ISP\datastor  
**Analyte** Phentermine **Internal Standard** Phentermine-D5

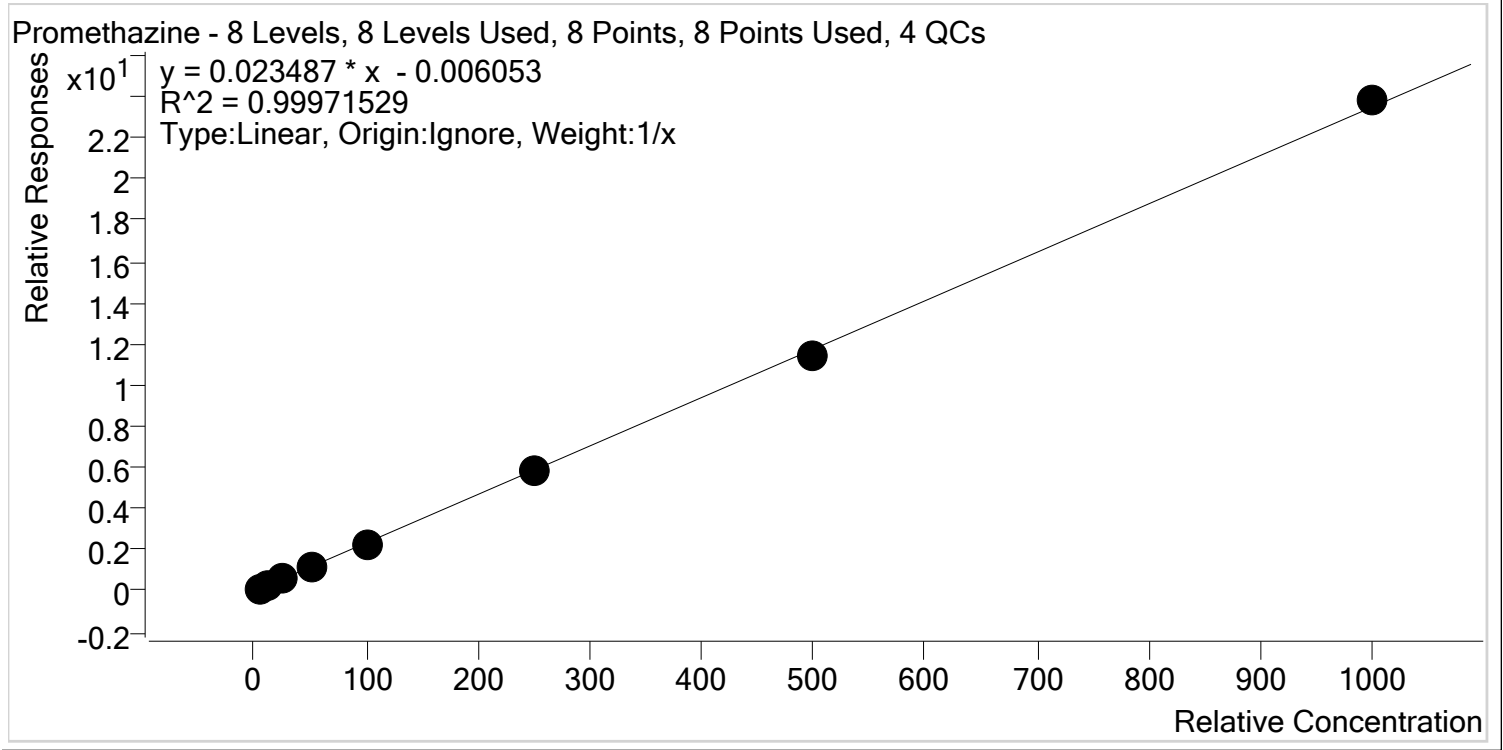


| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 4.9                 | 98.3     |
| p1 Cal 2- 10ng  | 2     | ✓       | 10.0                   | 9.9                 | 99.3     |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 26.3                | 105.3    |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 53.7                | 107.4    |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 105.1               | 105.1    |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 256.4               | 102.6    |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 480.8               | 96.2     |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 858.3               | 85.8     |



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\070720 AM 27 28 SP\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/9/2020 10:39 AM  
**Analyst Name** ISP\datastor  
**Analyte** Promethazine **Internal Standard** Promethazine-D3



| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 5.3                 | 105.2    |
| p1 Cal 2- 10ng  | 2     | ✓       | 10.0                   | 10.0                | 100.4    |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 24.2                | 97.0     |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 50.5                | 100.9    |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 97.4                | 97.4     |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 249.5               | 99.8     |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 489.6               | 97.9     |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 1013.4              | 101.3    |

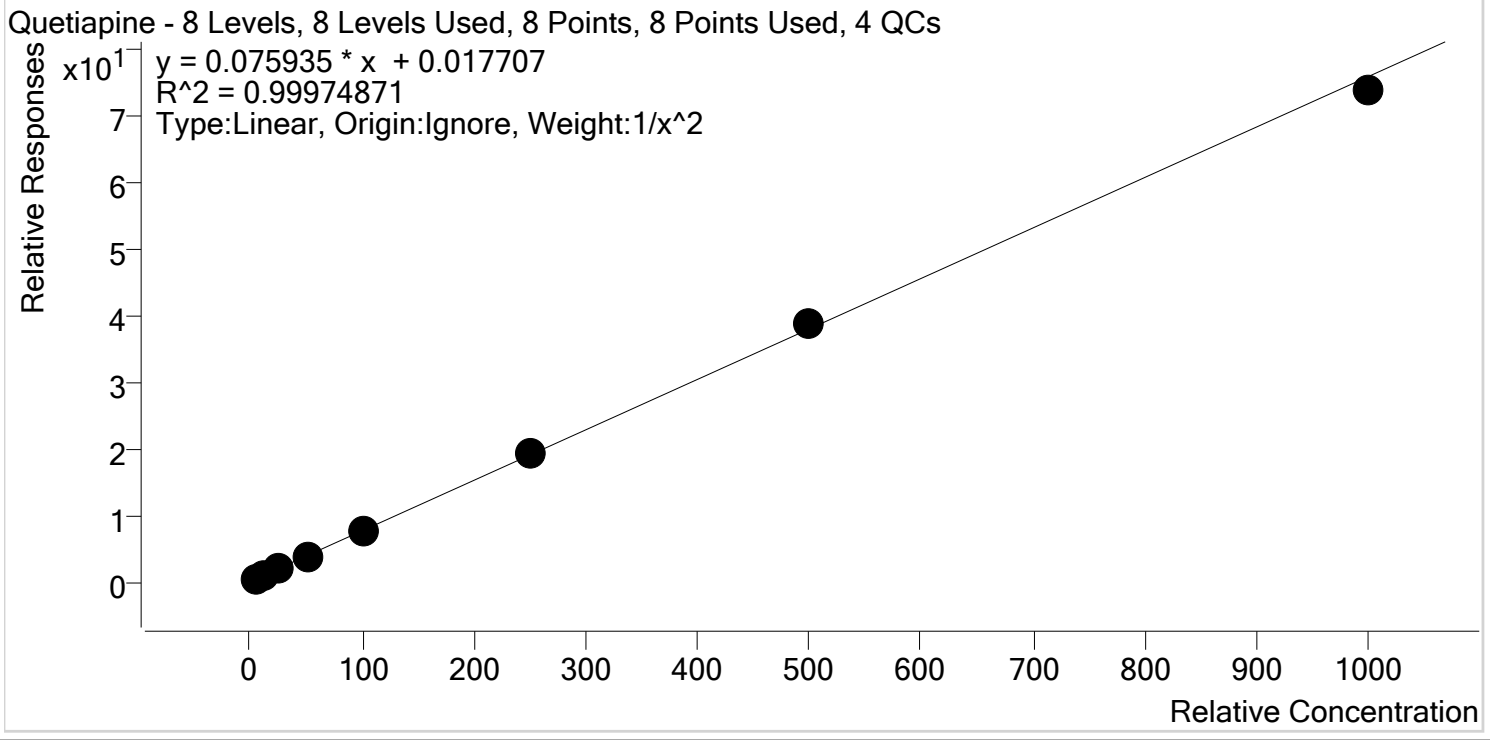


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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\070720 AM 27 28 SP\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/9/2020 10:39 AM  
**Analyst Name** ISP\datastor  
**Analyte** Quetiapine **Internal Standard** Quetiapine-D8

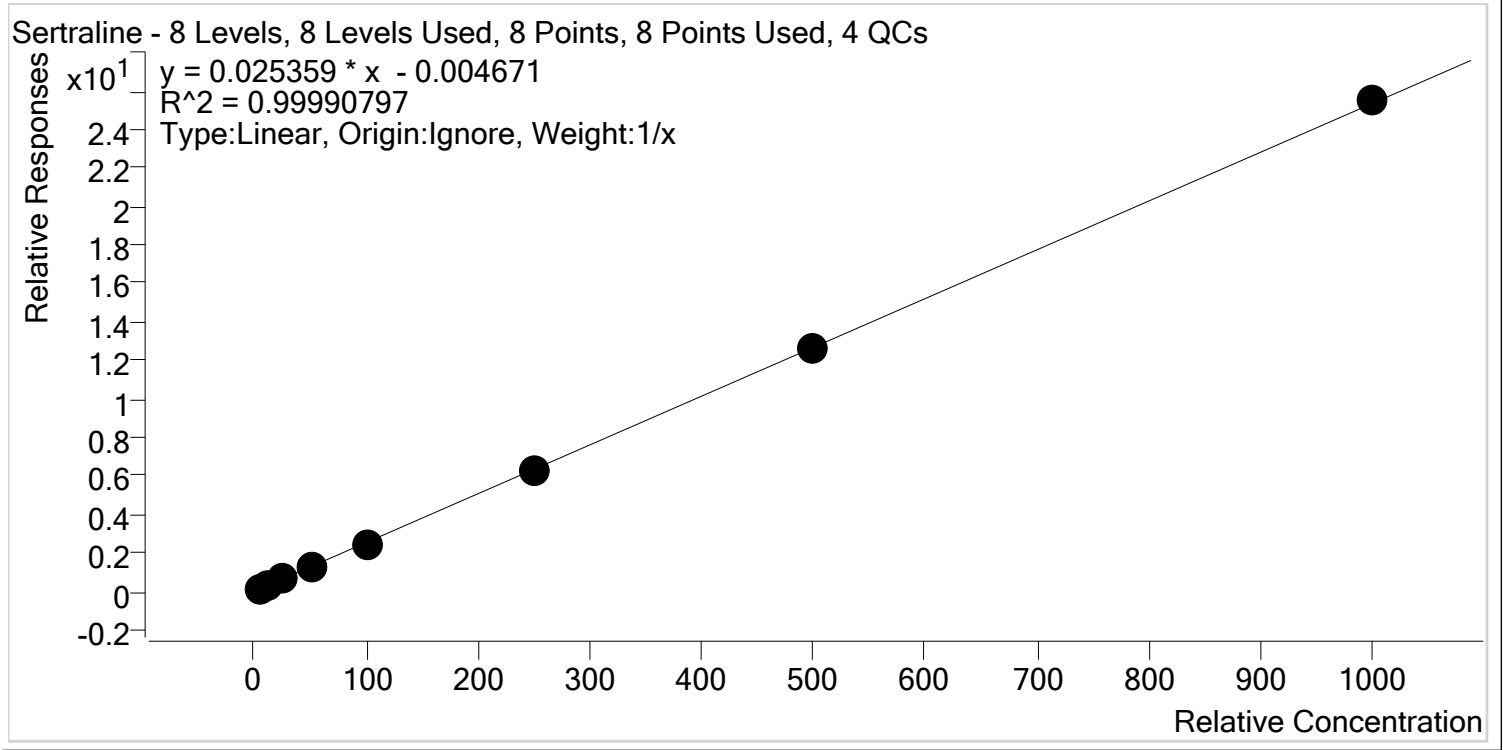


| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 5.0                 | 99.5     |
| p1 Cal 2- 10ng  | 2     | ✓       | 10.0                   | 10.0                | 100.4    |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 25.4                | 101.5    |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 49.9                | 99.8     |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 99.5                | 99.5     |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 251.3               | 100.5    |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 507.8               | 101.6    |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 972.3               | 97.2     |



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\070720 AM 27 28 SP\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/9/2020 10:39 AM  
**Analyst Name** ISP\datastor  
**Analyte** Sertraline **Internal Standard** Sertraline-D3

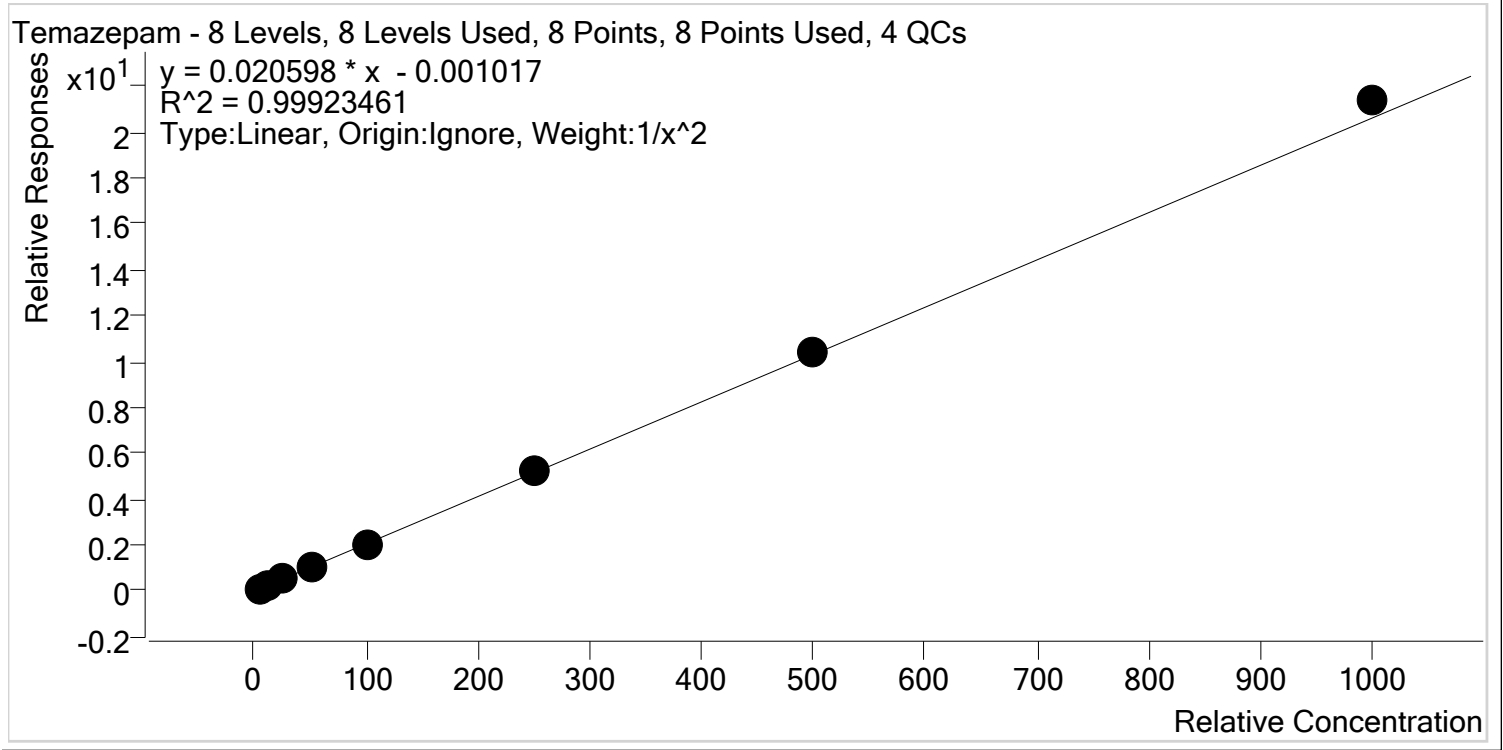


| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 5.3                 | 105.9    |
| p1 Cal 2- 10ng  | 2     | ✓       | 10.0                   | 10.0                | 99.7     |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 24.6                | 98.3     |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 49.0                | 98.1     |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 97.7                | 97.7     |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 251.0               | 100.4    |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 496.4               | 99.3     |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 1006.0              | 100.6    |



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\070720 AM 27 28 SP\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/9/2020 10:39 AM  
**Analyst Name** ISP\datastor  
**Analyte** Temazepam **Internal Standard** Temazepam-D5

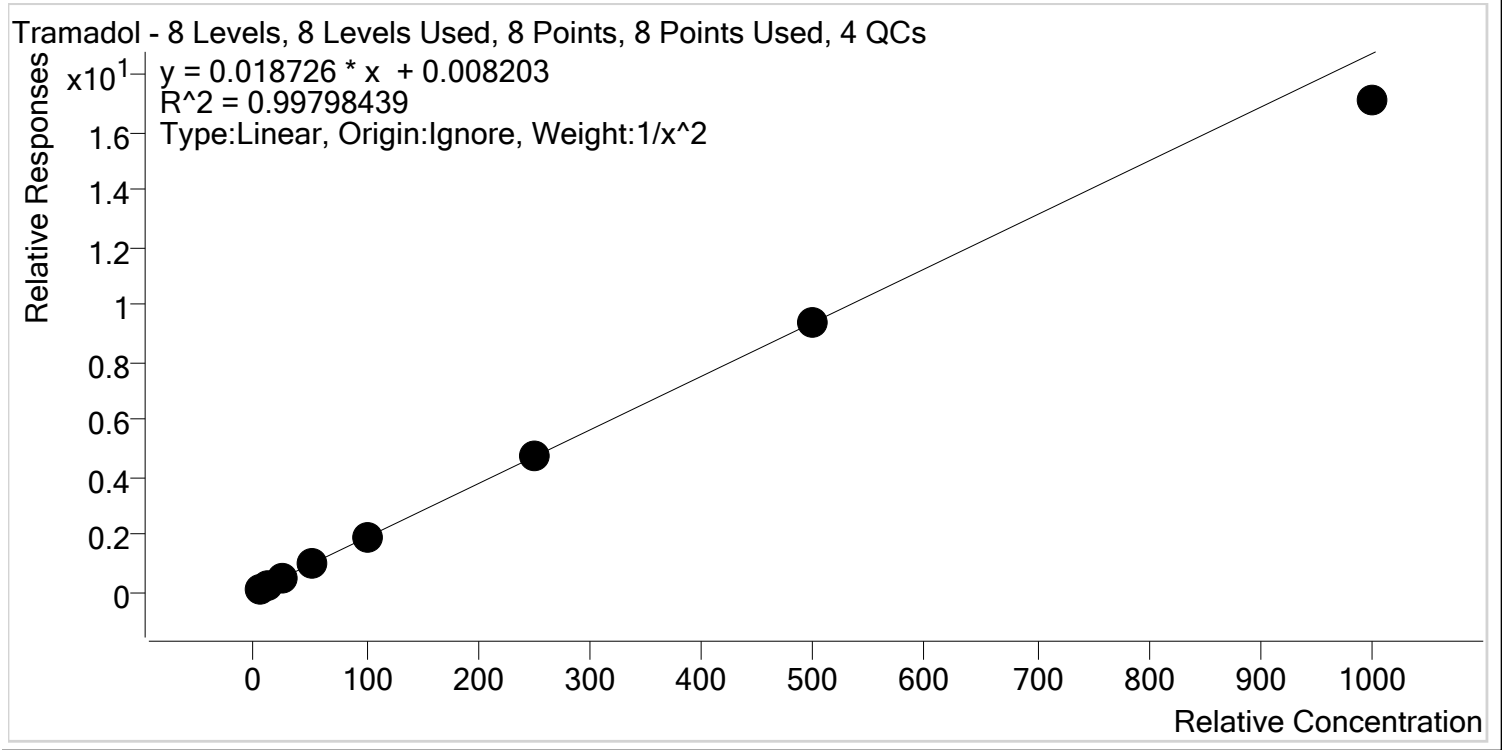


| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 5.1                 | 101.3    |
| p1 Cal 2- 10ng  | 2     | ✓       | 10.0                   | 9.9                 | 99.2     |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 24.1                | 96.4     |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 49.4                | 98.7     |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 97.8                | 97.8     |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 253.8               | 101.5    |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 507.4               | 101.5    |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 1036.9              | 103.7    |



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\070720 AM 27 28 SP\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/9/2020 10:39 AM  
**Analyst Name** ISP\datastor  
**Analyte** Tramadol **Internal Standard** Tramadol-13C-D3



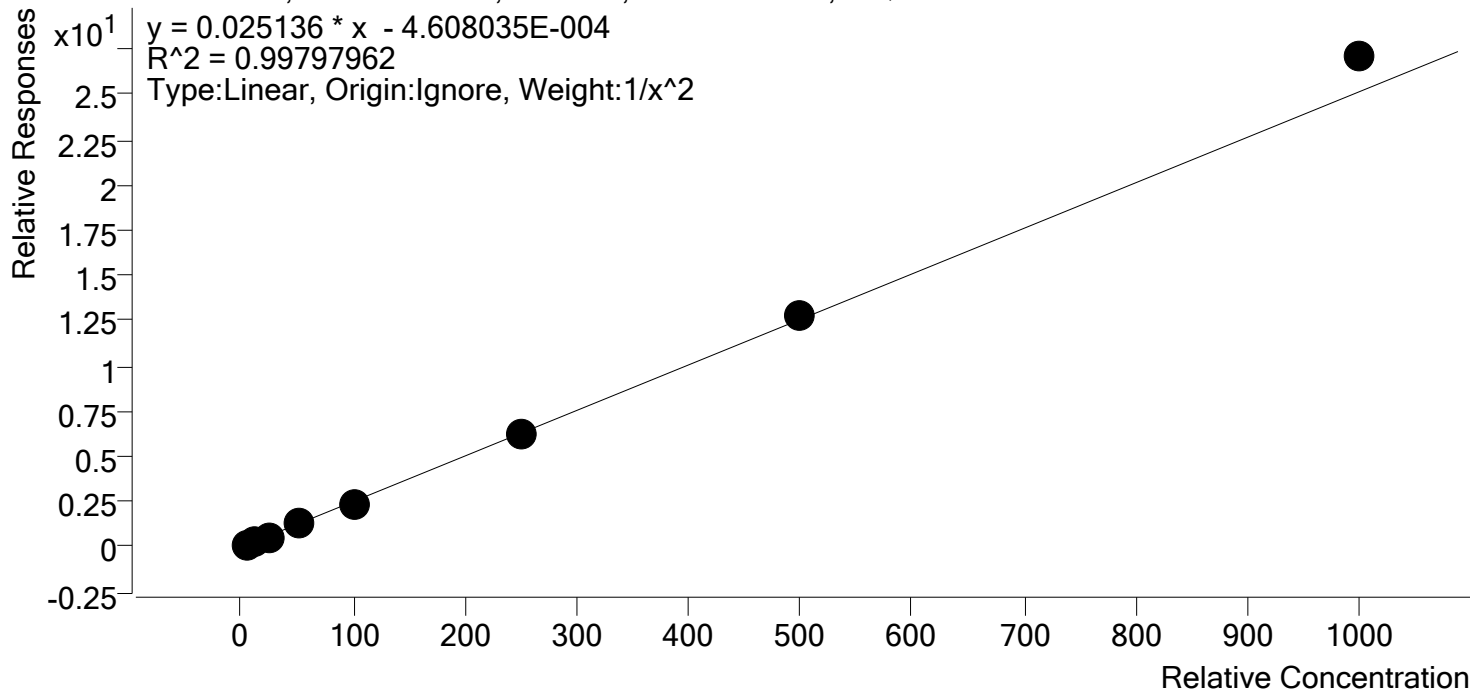
| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 5.0                 | 99.0     |
| p1 Cal 2- 10ng  | 2     | ✓       | 10.0                   | 10.0                | 100.4    |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 25.3                | 101.3    |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 51.5                | 103.1    |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 103.7               | 103.7    |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 254.6               | 101.9    |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 496.7               | 99.3     |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 912.5               | 91.2     |



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\070720 AM 27 28 SP\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/9/2020 10:39 AM  
**Analyst Name** ISP\datastor  
**Analyte** Trazodone **Internal Standard** Trazodone-D6

Trazodone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

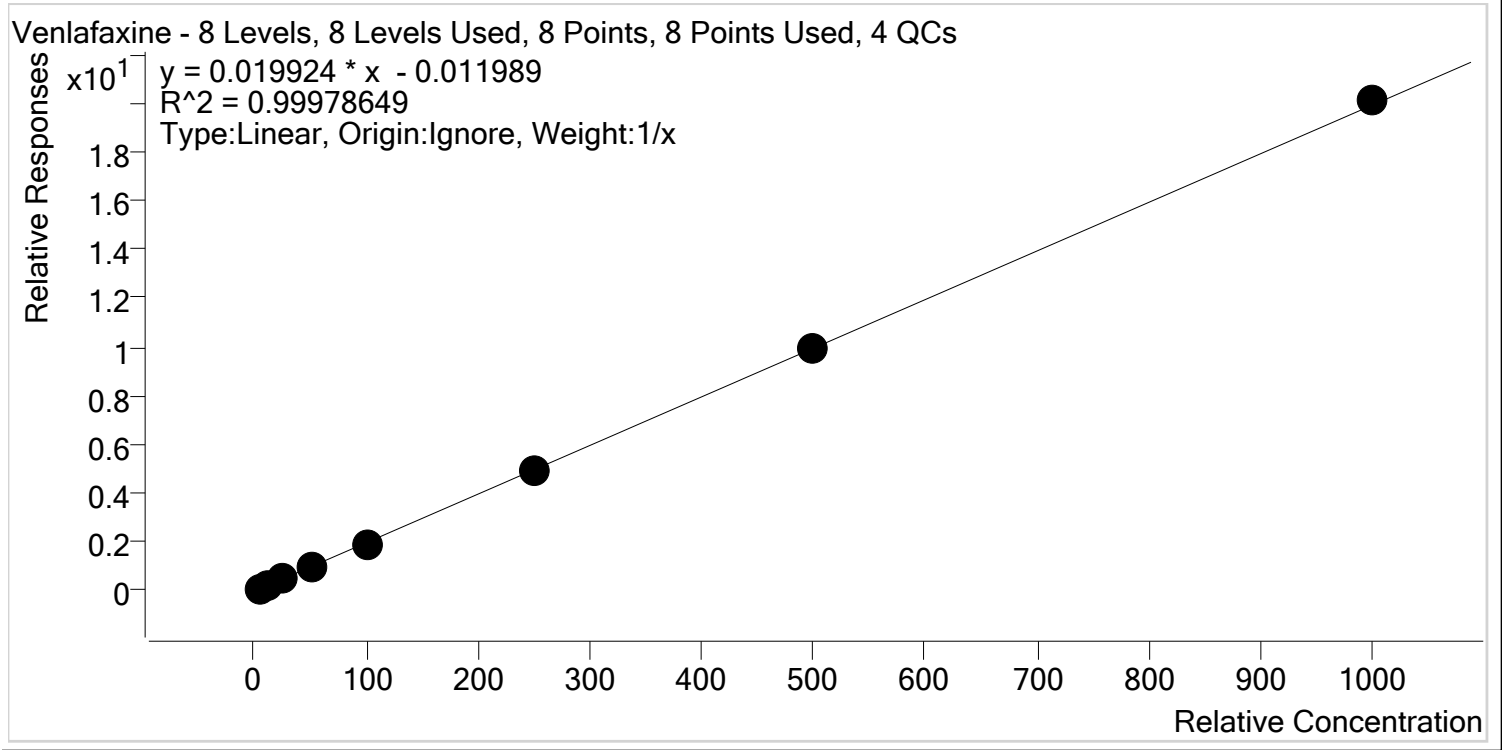


| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 5.1                 | 102.2    |
| p1 Cal 2- 10ng  | 2     | ✓       | 10.0                   | 9.8                 | 98.0     |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 23.7                | 95.0     |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 49.3                | 98.6     |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 97.4                | 97.4     |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 248.4               | 99.4     |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 508.8               | 101.8    |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 1077.3              | 107.7    |



# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\070720 AM 27 28 SP\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/9/2020 10:39 AM  
**Analyst Name** ISP\datastor  
**Analyte** Venlafaxine **Internal Standard** Venlafaxine-D6



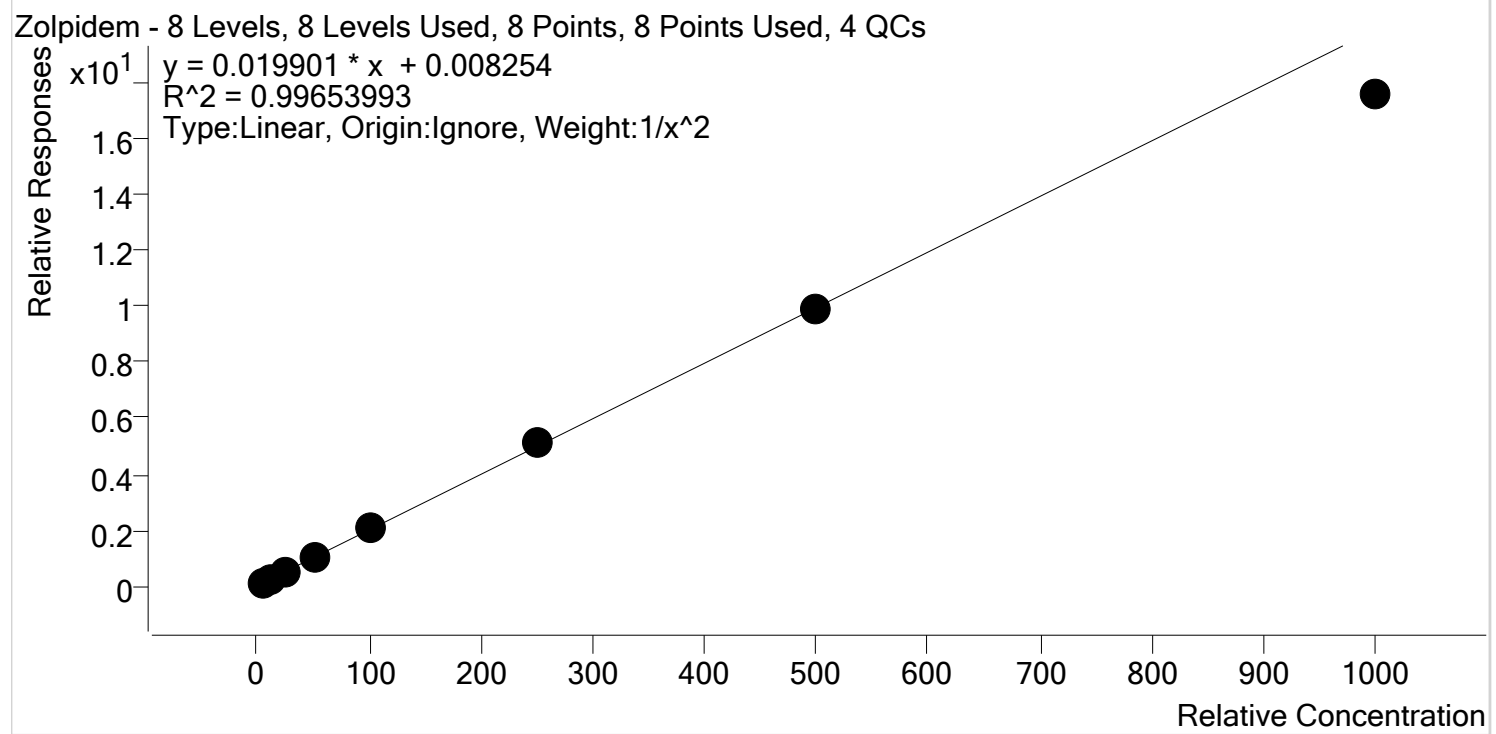
| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 5.4                 | 108.5    |
| p1 Cal 2- 10ng  | 2     | ✓       | 10.0                   | 10.2                | 101.8    |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 24.2                | 96.7     |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 48.4                | 96.8     |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 97.3                | 97.3     |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 245.2               | 98.1     |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 499.9               | 100.0    |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 1009.5              | 100.9    |

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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** D:\MassHunter\Data\2020\AM 27-28\070720 AM 27 28 SP\QuantResults\AM 28.batch.bin  
**Last Cal. Update** 7/9/2020 10:39 AM  
**Analyst Name** ISP\datastor  
**Analyte** Zolpidem **Internal Standard** Zolpidem-D6



| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 4.9                 | 98.8     |
| p1 Cal 2- 10ng  | 2     | ✓       | 10.0                   | 10.0                | 100.1    |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 25.7                | 102.6    |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 52.1                | 104.3    |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 103.1               | 103.1    |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 258.1               | 103.2    |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 497.3               | 99.5     |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 883.4               | 88.3     |

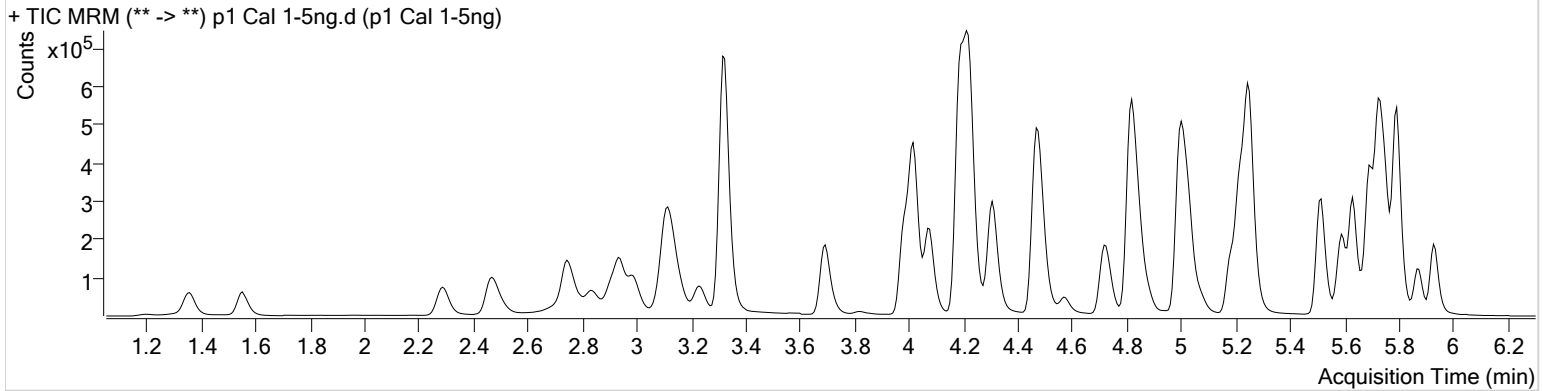
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2020\AM 27-28\070720 AM 27 28 SP\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 7/9/2020 10:39:35 AM

|                         |                     |                  |                |
|-------------------------|---------------------|------------------|----------------|
| <b>Instrument</b>       | Falco               | <b>Data File</b> | p1 Cal 1-5ng.d |
| <b>Type</b>             | Cal                 | <b>Sample</b>    | p1 Cal 1-5ng   |
| <b>Acq. Method</b>      | MDQ P1 060520.m     | <b>Operator</b>  | Sarah Pickle   |
| <b>Sample Position</b>  | P5-A1               | <b>Comment</b>   |                |
| <b>Injection Volume</b> | 2                   |                  |                |
| <b>Acq. Date-Time</b>   | 7/7/2020 8:29:31 PM |                  |                |

## Sample Chromatogram



| Name                | RT    | Resp.  | S/N       | Ratio | S/N      | ISTD Resp. | Final Conc.  |
|---------------------|-------|--------|-----------|-------|----------|------------|--------------|
| 6-MAM               | 3.092 | 1533   | 96.00     | 75.7  | 102.45   | 62542      | 0.4994 ng/ml |
| 7-aminoclonazepam   | 4.223 | 35442  | 3619.18   | 82.5  | 339.04   | 258869     | 4.2438 ng/ml |
| a-hydroxyalprazolam | 5.674 | 15629  | 362.51    | 64.9  | 833.29   | 69111      | 4.8928 ng/ml |
| alpha-PVP           | 4.315 | 74826  | 723.79    | 52.4  | 1549.19  | 636787     | 5.3769 ng/ml |
| Alprazolam          | 5.751 | 50302  | 1163.58   | 107.3 | 1608.85  | 283909     | 5.4715 ng/ml |
| Amphetamine         | 2.990 | 113821 | 924.79    | 50.9  | 271.39   | 211265     | 4.7365 ng/ml |
| Benzoylcegonine     | 3.845 | 2386   | 16.82     | 7.2   | 69.72    | 17172      | 5.1631 ng/ml |
| Buprenorphine       | 5.782 | 1675   | 44.32     | 14.0  | 28.93    | 134130     | 0.5108 ng/ml |
| Bupropion           | 4.739 | 69193  | 479.01    | 60.7  | 359.45   | 443789     | 4.9056 ng/ml |
| Carisoprodol        | 5.700 | 47301  | 134009.39 | 56.3  | 192.15   | 451498     | 4.9926 ng/ml |
| Citalopram          | 5.183 | 37631  | 851.06    | 42.4  | 14944.36 | 331498     | 5.1159 ng/ml |
| Clonazepam          | 5.588 | 65865  | 951.90    | 33.1  | 424.39   | 144604     | 4.9070 ng/ml |
| Cocaine             | 4.223 | 79177  | 298.79    | 43.8  | 860.12   | 1136313    | 5.2244 ng/ml |
| Codeine             | 2.523 | 8637   | 224086.15 | 108.5 | 1590.11  | 81758      | 4.8510 ng/ml |
| Cyclobenzaprine     | 5.598 | 26730  | 408.19    | 10.5  | 67.93    | 209079     | 5.0093 ng/ml |
| Dextromethorphan    | 5.219 | 20795  | 1552.17   | 78.1  | 637.82   | 186166     | 5.1645 ng/ml |
| Dextrorphan         | 4.077 | 18577  | 1597.25   | 213.4 | ∞        | 471981     | 5.2367 ng/ml |
| Diazepam            | 5.936 | 36040  | 379.63    | 85.5  | 452.49   | 331307     | 5.0506 ng/ml |
| Dihydrocodeine      | 2.495 | 22720  | 1539.87   | 62.9  | 759.00   | 233770     | 4.0356 ng/ml |
| Diphenhydramine     | 5.253 | 87796  | 1390.86   | 32.6  | 474.04   | 1191759    | 5.4036 ng/ml |
| Doxylamine          | 4.487 | 151036 | 21008.98  | 98.5  | 17234.29 | 1233161    | 4.5608 ng/ml |
| EDDP                | 5.218 | 54720  | 898.08    | 41.2  | 1071.69  | 562210     | 5.0362 ng/ml |
| Fentanyl            | 5.047 | 2873   | 448.66    | 58.0  | 4485.14  | 246578     | 0.5011 ng/ml |
| Fluoxetine          | 5.690 | 31839  | 516.74    | 8.5   | 142.93   | 260698     | 4.9402 ng/ml |
| Hydrocodone         | 2.966 | 28267  | 101.88    | 40.3  | 165.79   | 348148     | 4.7082 ng/ml |
| Hydromorphone       | 1.561 | 22564  | 594.74    | 77.4  | 184.85   | 142090     | 4.9695 ng/ml |
| Ketamine            | 3.996 | 66593  | 2093.65   | 38.7  | 2285.12  | 562735     | 4.9315 ng/ml |
| Lamotrigine         | 4.232 | 5683   | 1055.83   | 81.3  | 3752.38  | 562735     | 4.8077 ng/ml |
| Lorazepam           | 5.729 | 56347  | 341.11    | 54.5  | 264.02   | 144604     | 4.7434 ng/ml |
| MDA                 | 3.143 | 82566  | 99.59     | 20.2  | 14.79    | 360735     | 4.8172 ng/ml |
| MDMA                | 3.237 | 54953  | 26951.05  | 66.2  | 596.65   | 103589     | 4.9782 ng/ml |
| Meprobamate         | 4.869 | 25872  | 615.95    | 26.2  | 248.75   | 247955     | 4.9892 ng/ml |
| Methadone           | 5.629 | 58520  | 986.28    | 51.1  | 3869.68  | 528235     | 5.3914 ng/ml |



# AM #28 Multi-Drug Quant. Results

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| Name                 | RT    | Resp.  | S/N      | Ratio | S/N      | ISTD Resp. | Final Conc.  |
|----------------------|-------|--------|----------|-------|----------|------------|--------------|
| Methamphetamine      | 3.165 | 73743  | 95.33    | 42.3  | 46.58    | 475471     | 4.9202 ng/ml |
| Metoprolol           | 4.285 | 11724  | ∞        | 101.1 | 560.19   | 1488833    | 4.9052 ng/ml |
| Mirtazapine          | 4.569 | 66061  | 1637.40  | 48.6  | 2834.16  | 636787     | 5.1783 ng/ml |
| Mitragynine          | 5.181 | 11792  | 25697.18 | 38.6  | 131.81   | 528235     | 4.9490 ng/ml |
| Morphine             | 1.206 | 3434   | 1308.64  | 22.8  | 740.21   | 7429       | 5.0461 ng/ml |
| Norbuprenorphine     | 4.950 | 263    | 57.84    | 67.9  | 7.67     | 15161      | 0.4841 ng/ml |
| Nordiazepam          | 5.876 | 32819  | 570.40   | 56.8  | 737.88   | 209097     | 4.9666 ng/ml |
| Norfentanyl          | 4.037 | 10530  | ∞        | 37.6  | 59.14    | 997367     | 0.5142 ng/ml |
| Norhydrocodone       | 3.014 | 2893   | 45.74    | 40.8  | ∞        | 60099      | 5.2784 ng/ml |
| Noroxycodone         | 2.858 | 26491  | 222.22   | 47.1  | 11.76    | 173150     | 4.9756 ng/ml |
| O-desmethyl-tramadol | 3.323 | 156460 | 1883.18  | 6.1   | 474.90   | 1629392    | 5.0697 ng/ml |
| Oxazepam             | 5.732 | 61387  | ∞        | 72.5  | 214.99   | 726430     | 4.9388 ng/ml |
| Oxycodone            | 2.776 | 59489  | 889.09   | 30.6  | 1210.90  | 498755     | 5.0104 ng/ml |
| Oxymorphone          | 1.356 | 25450  | 268.34   | 47.8  | 566.91   | 175824     | 4.9672 ng/ml |
| Phentermine          | 3.729 | 19783  | 107.24   | 3.1   | 43.88    | 493731     | 4.9171 ng/ml |
| Promethazine         | 5.515 | 60450  | 1320.33  | 31.3  | 603.32   | 514516     | 5.2600 ng/ml |
| Quetiapine           | 5.519 | 40124  | ∞        | 58.4  | 49.95    | 101416     | 4.9770 ng/ml |
| Sertraline           | 5.758 | 17634  | 240.66   | 93.5  | 997.59   | 136032     | 5.2961 ng/ml |
| Temazepam            | 5.799 | 103711 | 944.85   | 31.2  | 330.46   | 1003675    | 5.0659 ng/ml |
| Tramadol             | 4.197 | 150285 | 1157.52  | 3.3   | 75.87    | 1488833    | 4.9523 ng/ml |
| Trazodone            | 5.073 | 46465  | 1981.14  | 78.2  | 13492.08 | 362911     | 5.1121 ng/ml |
| Venlafaxine          | 5.001 | 102579 | 944.08   | 36.6  | 318.65   | 1067724    | 5.4238 ng/ml |
| Zolpidem             | 4.838 | 148317 | ∞        | 31.0  | 2312.98  | 1391368    | 4.9417 ng/ml |

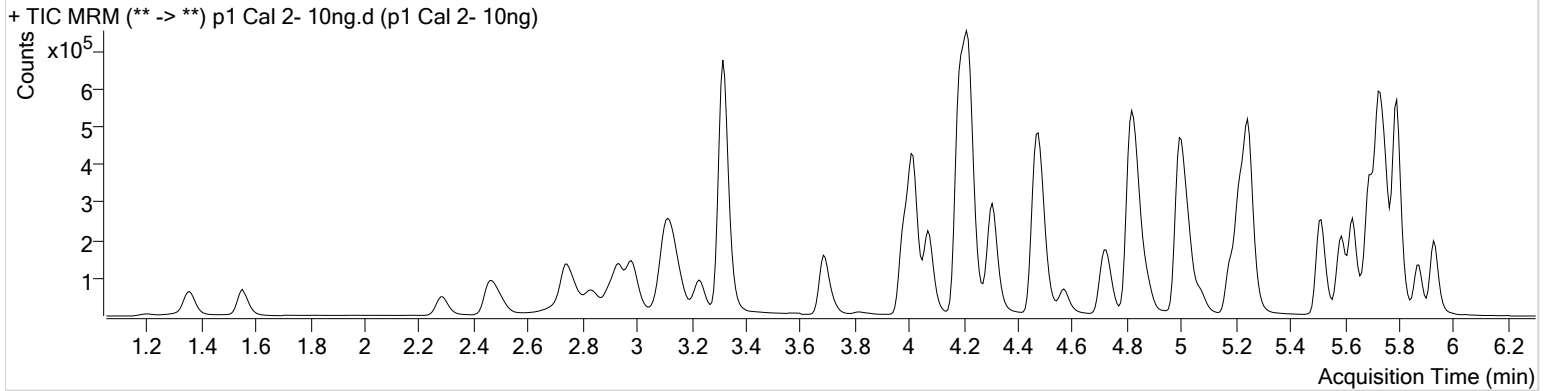
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2020\AM 27-28\070720 AM 27 28 SP\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 7/9/2020 10:39:35 AM

|                         |                     |                  |                  |
|-------------------------|---------------------|------------------|------------------|
| <b>Instrument</b>       | Falco               | <b>Data File</b> | p1 Cal 2- 10ng.d |
| <b>Type</b>             | Cal                 | <b>Sample</b>    | p1 Cal 2- 10ng   |
| <b>Acq. Method</b>      | MDQ P1 060520.m     | <b>Operator</b>  | Sarah Pickle     |
| <b>Sample Position</b>  | P5-B1               | <b>Comment</b>   |                  |
| <b>Injection Volume</b> | 2                   |                  |                  |
| <b>Acq. Date-Time</b>   | 7/7/2020 8:40:21 PM |                  |                  |

## Sample Chromatogram



| Name                | RT    | Resp.  | S/N       | Ratio | S/N      | ISTD Resp. | Final Conc.   |
|---------------------|-------|--------|-----------|-------|----------|------------|---------------|
| 6-MAM               | 3.085 | 2806   | 121.42    | 77.6  | 286.02   | 57353      | 1.0074 ng/ml  |
| 7-aminoclonazepam   | 4.223 | 62095  | ∞         | 83.6  | 3027.87  | 233849     | 9.3665 ng/ml  |
| a-hydroxyalprazolam | 5.674 | 28918  | 943.96    | 60.0  | ∞        | 64034      | 10.2589 ng/ml |
| alpha-PVP           | 4.315 | 124939 | 9857.82   | 52.4  | 869.47   | 548219     | 10.0488 ng/ml |
| Alprazolam          | 5.751 | 89033  | 851.10    | 109.9 | 855.84   | 257705     | 9.9637 ng/ml  |
| Amphetamine         | 2.983 | 187705 | 1604.17   | 51.6  | 1354.85  | 180933     | 10.4560 ng/ml |
| Benzoylcegonine     | 3.845 | 3787   | 63.46     | 8.6   | 50.23    | 14495      | 9.5667 ng/ml  |
| Buprenorphine       | 5.782 | 2394   | 65.28     | 16.0  | 24.01    | 99150      | 0.9784 ng/ml  |
| Bupropion           | 4.733 | 112566 | 1521.96   | 59.9  | 353.87   | 362746     | 9.9445 ng/ml  |
| Carisoprodol        | 5.700 | 85001  | 782.82    | 54.1  | 201.33   | 412985     | 9.9416 ng/ml  |
| Citalopram          | 5.183 | 56953  | 517.40    | 41.9  | 539.35   | 254125     | 10.0165 ng/ml |
| Clonazepam          | 5.588 | 115510 | 3759.83   | 34.6  | 172.35   | 130691     | 10.1407 ng/ml |
| Cocaine             | 4.216 | 142019 | 7819.65   | 43.1  | 617.63   | 1004449    | 10.2639 ng/ml |
| Codeine             | 2.516 | 15998  | 6971.49   | 102.5 | 5473.66  | 73574      | 10.2712 ng/ml |
| Cyclobenzaprine     | 5.598 | 36273  | 125278.25 | 11.5  | ∞        | 140658     | 9.9794 ng/ml  |
| Dextromethorphan    | 5.219 | 28948  | 330.10    | 80.5  | 15004.17 | 136968     | 9.7898 ng/ml  |
| Dextrorphan         | 4.077 | 31370  | 5660.58   | 218.4 | 15359.01 | 417182     | 9.7299 ng/ml  |
| Diazepam            | 5.936 | 62024  | 655.48    | 90.3  | 806.78   | 302815     | 9.7527 ng/ml  |
| Dihydrocodeine      | 2.495 | 40589  | 420.09    | 63.6  | 12511.04 | 212286     | 9.6296 ng/ml  |
| Diphenhydramine     | 5.253 | 131829 | ∞         | 33.6  | 696.52   | 913923     | 10.0844 ng/ml |
| Doxylamine          | 4.487 | 257776 | 12387.84  | 99.0  | 30564.97 | 1073030    | 9.6464 ng/ml  |
| EDDP                | 5.218 | 88813  | 4795.22   | 41.8  | 418.43   | 471238     | 9.8976 ng/ml  |
| Fentanyl            | 5.047 | 3803   | 37.22     | 64.9  | 93688.38 | 168021     | 0.9945 ng/ml  |
| Fluoxetine          | 5.690 | 42913  | ∞         | 9.1   | 4787.89  | 171782     | 10.1373 ng/ml |
| Hydrocodone         | 2.966 | 50398  | 286.16    | 38.8  | 142.98   | 304027     | 10.5389 ng/ml |
| Hydromorphone       | 1.561 | 41084  | 415.89    | 78.3  | 159.15   | 129611     | 9.9881 ng/ml  |
| Ketamine            | 3.996 | 117015 | 2760.98   | 38.4  | 255.07   | 503279     | 10.1327 ng/ml |
| Lamotrigine         | 4.232 | 9950   | 727.56    | 79.5  | 2209.15  | 503279     | 10.4923 ng/ml |
| Lorazepam           | 5.722 | 99346  | ∞         | 56.8  | 303.93   | 130691     | 10.5919 ng/ml |
| MDA                 | 3.137 | 142786 | 1335.69   | 20.4  | 69.64    | 312342     | 10.2748 ng/ml |
| MDMA                | 3.237 | 91874  | 12721.60  | 66.6  | 1465.94  | 87876      | 10.0631 ng/ml |
| Meprobamate         | 4.869 | 44539  | 1509.69   | 27.0  | 567.43   | 222393     | 9.8939 ng/ml  |
| Methadone           | 5.629 | 83823  | ∞         | 49.7  | 776.21   | 384577     | 10.2031 ng/ml |

# AM #28 Multi-Drug Quant. Results

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| Name                 | RT    | Resp.  | S/N      | Ratio | S/N       | ISTD Resp. | Final Conc.   |
|----------------------|-------|--------|----------|-------|-----------|------------|---------------|
| Methamphetamine      | 3.165 | 98611  | 168.24   | 42.7  | 63.29     | 388648     | 10.0298 ng/ml |
| Metoprolol           | 4.285 | 21320  | 2160.24  | 95.4  | 784.34    | 1330883    | 10.0934 ng/ml |
| Mirtazapine          | 4.569 | 102196 | 5963.37  | 50.3  | 1635.03   | 548219     | 9.3343 ng/ml  |
| Mitragynine          | 5.181 | 16100  | 1730.98  | 40.3  | 178.24    | 384577     | 9.8330 ng/ml  |
| Morphine             | 1.206 | 6016   | 350.39   | 23.4  | 1026.21   | 6880       | 9.7095 ng/ml  |
| Norbuprenorphine     | 4.950 | 355    | 18.21    | 62.8  | 14.14     | 11862      | 1.0397 ng/ml  |
| Nordiazepam          | 5.876 | 59283  | 1705.46  | 57.9  | 669.90    | 190796     | 10.0844 ng/ml |
| Norfentanyl          | 4.037 | 18984  | 926.46   | 36.9  | 150.62    | 887038     | 0.9767 ng/ml  |
| Norhydrocodone       | 3.014 | 4957   | 169.45   | 44.9  | 358.22    | 52021      | 9.6039 ng/ml  |
| Noroxycodone         | 2.852 | 47163  | 406.13   | 47.1  | 447.58    | 158592     | 9.9886 ng/ml  |
| O-desmethyl-tramadol | 3.323 | 277758 | 7208.65  | 6.0   | 272.77    | 1473335    | 9.8449 ng/ml  |
| Oxazepam             | 5.732 | 110337 | ∞        | 74.1  | 487.50    | 663061     | 10.0499 ng/ml |
| Oxycodone            | 2.769 | 103497 | 907.17   | 31.5  | 761.61    | 452841     | 9.8237 ng/ml  |
| Oxymorphone          | 1.356 | 45464  | 682.89   | 46.5  | ∞         | 160068     | 9.9989 ng/ml  |
| Phentermine          | 3.723 | 32194  | ∞        | 3.2   | 29.27     | 422301     | 9.9322 ng/ml  |
| Promethazine         | 5.515 | 81588  | 1754.41  | 30.1  | 476.73    | 355095     | 10.0403 ng/ml |
| Quetiapine           | 5.519 | 63106  | 2591.18  | 61.4  | 432656.95 | 80891      | 10.0405 ng/ml |
| Sertraline           | 5.758 | 22647  | 996.94   | 93.8  | 472.79    | 91239      | 9.9720 ng/ml  |
| Temazepam            | 5.799 | 192697 | 757.95   | 30.1  | 511.91    | 948029     | 9.9173 ng/ml  |
| Tramadol             | 4.197 | 261198 | 15707.32 | 3.4   | 368.46    | 1330883    | 10.0424 ng/ml |
| Trazodone            | 5.073 | 67757  | 948.08   | 79.3  | 980.26    | 275596     | 9.7995 ng/ml  |
| Venlafaxine          | 4.994 | 175440 | 7766.11  | 36.2  | 226.54    | 919041     | 10.1830 ng/ml |
| Zolpidem             | 4.838 | 261982 | 23246.60 | 31.5  | 5704.53   | 1262612    | 10.0114 ng/ml |

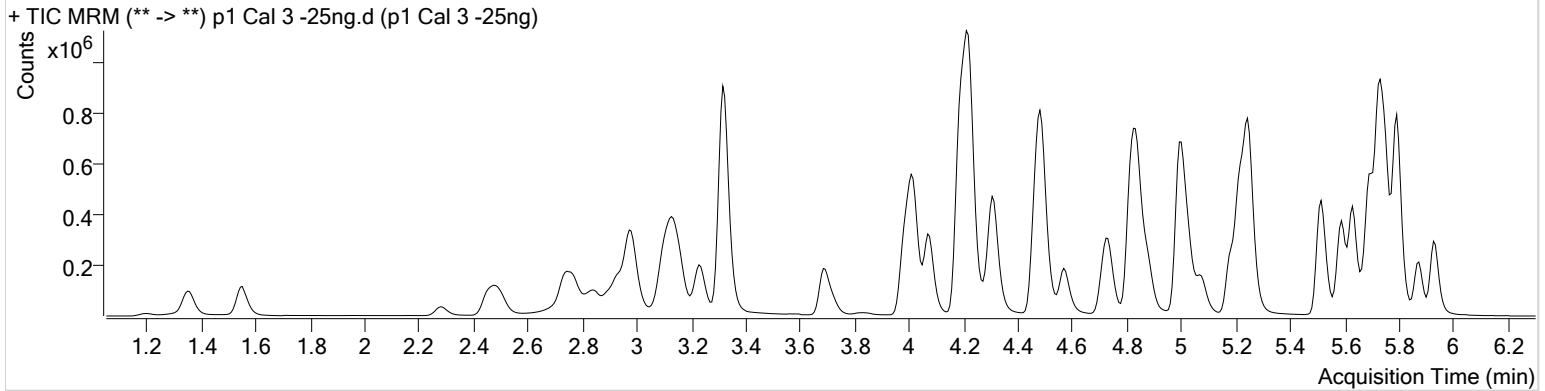
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2020\AM 27-28\070720 AM 27 28 SP\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 7/9/2020 10:39:35 AM

|                         |                     |                  |                  |
|-------------------------|---------------------|------------------|------------------|
| <b>Instrument</b>       | Falco               | <b>Data File</b> | p1 Cal 3 -25ng.d |
| <b>Type</b>             | Cal                 | <b>Sample</b>    | p1 Cal 3 -25ng   |
| <b>Acq. Method</b>      | MDQ P1 060520.m     | <b>Operator</b>  | Sarah Pickle     |
| <b>Sample Position</b>  | P5-C1               | <b>Comment</b>   |                  |
| <b>Injection Volume</b> | 2                   |                  |                  |
| <b>Acq. Date-Time</b>   | 7/7/2020 8:50:55 PM |                  |                  |
| <b>Sample Info.</b>     |                     |                  |                  |

## Sample Chromatogram



| Name                | RT    | Resp.  | S/N       | Ratio | S/N       | ISTD Resp. | Final Conc.   |
|---------------------|-------|--------|-----------|-------|-----------|------------|---------------|
| 6-MAM               | 3.085 | 7585   | 13001.78  | 73.9  | 13519.83  | 62492      | 2.5153 ng/ml  |
| 7-aminoclonazepam   | 4.223 | 168507 | ∞         | 80.6  | 16990.78  | 246924     | 25.9702 ng/ml |
| a-hydroxyalprazolam | 5.674 | 74639  | 318.95    | 60.9  | 679.10    | 68618      | 25.3993 ng/ml |
| alpha-PVP           | 4.315 | 360576 | 818.16    | 52.1  | 955.54    | 633062     | 24.5087 ng/ml |
| Alprazolam          | 5.751 | 235779 | 1080.47   | 106.6 | 1646.14   | 272770     | 23.8135 ng/ml |
| Amphetamine         | 2.983 | 531176 | 3666.61   | 51.8  | 1904.91   | 210520     | 27.4966 ng/ml |
| Benzoylcegonine     | 3.845 | 10853  | 306.12    | 7.8   | 91.92     | 16157      | 24.3505 ng/ml |
| Buprenorphine       | 5.782 | 7057   | 623.12    | 17.3  | 640.37    | 117448     | 2.4204 ng/ml  |
| Bupropion           | 4.733 | 330691 | 1315.37   | 60.2  | 776.89    | 434585     | 24.6504 ng/ml |
| Carisoprodol        | 5.700 | 225294 | 497937.73 | 54.2  | 1585.86   | 436120     | 25.1608 ng/ml |
| Citalopram          | 5.183 | 166339 | 3490.57   | 42.6  | 127833.72 | 301936     | 24.4968 ng/ml |
| Clonazepam          | 5.588 | 306123 | 84823.48  | 33.4  | 795.88    | 142178     | 25.6486 ng/ml |
| Cocaine             | 4.223 | 388284 | 2106.32   | 43.2  | 18757.25  | 1120688    | 24.6758 ng/ml |
| Codeine             | 2.509 | 43966  | 686.94    | 103.6 | 2883.70   | 81024      | 26.0368 ng/ml |
| Cyclobenzaprine     | 5.598 | 113154 | 3012.76   | 10.1  | 485.95    | 174908     | 24.8493 ng/ml |
| Dextromethorphan    | 5.219 | 87681  | 2172.72   | 79.9  | 288.43    | 163741     | 24.8347 ng/ml |
| Dextrorphan         | 4.077 | 93150  | 669.68    | 208.3 | 1809.26   | 468827     | 25.2146 ng/ml |
| Diazepam            | 5.936 | 167981 | 3168.51   | 88.2  | 949.53    | 325399     | 24.9987 ng/ml |
| Dihydrocodeine      | 2.488 | 109843 | 747.33    | 64.8  | 5818.06   | 235274     | 26.0338 ng/ml |
| Diphenhydramine     | 5.253 | 387829 | 562.51    | 33.4  | 408.43    | 1089701    | 24.1222 ng/ml |
| Doxylamine          | 4.487 | 737692 | 94102.78  | 98.1  | 107571.83 | 1237537    | 25.0158 ng/ml |
| EDDP                | 5.218 | 266659 | 615.35    | 41.9  | 1700.21   | 568612     | 24.8596 ng/ml |
| Fentanyl            | 5.047 | 11689  | 1044.19   | 63.3  | ∞         | 208375     | 2.4973 ng/ml  |
| Fluoxetine          | 5.690 | 133968 | 576.19    | 8.1   | ∞         | 217738     | 25.0132 ng/ml |
| Hydrocodone         | 2.959 | 140549 | 223.04    | 37.9  | 297.61    | 340599     | 27.5592 ng/ml |
| Hydromorphone       | 1.553 | 114026 | 2942.14   | 76.1  | 509.96    | 140580     | 25.6659 ng/ml |
| Ketamine            | 3.996 | 318720 | 4054.34   | 39.0  | 2037.29   | 563623     | 25.3027 ng/ml |
| Lamotrigine         | 4.232 | 26230  | 1639.51   | 81.6  | 941.41    | 563623     | 26.2268 ng/ml |
| Lorazepam           | 5.729 | 255256 | ∞         | 55.8  | 1859.08   | 142178     | 26.9323 ng/ml |
| MDA                 | 3.137 | 403342 | 9351.29   | 20.7  | 66.51     | 352695     | 26.6875 ng/ml |
| MDMA                | 3.237 | 260534 | ∞         | 66.9  | 7323.38   | 102170     | 24.9178 ng/ml |
| Meprobamate         | 4.869 | 117646 | 15339.72  | 26.2  | 3069.37   | 234718     | 25.2804 ng/ml |
| Methadone           | 5.629 | 251719 | 48167.28  | 51.4  | 9909.32   | 477189     | 24.0998 ng/ml |

# AM #28 Multi-Drug Quant. Results



| Name                 | RT    | Resp.  | S/N       | Ratio | S/N       | ISTD Resp. | Final Conc.   |
|----------------------|-------|--------|-----------|-------|-----------|------------|---------------|
| Methamphetamine      | 3.165 | 273238 | 380.96    | 42.6  | 530.10    | 494405     | 25.5159 ng/ml |
| Metoprolol           | 4.285 | 61321  | ∞         | 94.1  | 1322.81   | 1508803    | 25.7773 ng/ml |
| Mirtazapine          | 4.569 | 296910 | 8394.53   | 49.7  | 5680.90   | 633062     | 23.5401 ng/ml |
| Mitragynine          | 5.181 | 50800  | 100293.98 | 37.3  | 54986.25  | 477189     | 25.9776 ng/ml |
| Morphine             | 1.200 | 16644  | 1768.06   | 22.2  | 861.09    | 7294       | 25.6308 ng/ml |
| Norbuprenorphine     | 4.944 | 958    | 383.24    | 66.9  | 71.53     | 14530      | 2.6375 ng/ml  |
| Nordiazepam          | 5.876 | 156867 | 8091.22   | 58.6  | 827.42    | 208804     | 24.7477 ng/ml |
| Norfentanyl          | 4.037 | 54959  | ∞         | 36.3  | 302.26    | 1012578    | 2.3790 ng/ml  |
| Norhydrocodone       | 3.014 | 13823  | 140.00    | 42.0  | 103.05    | 61556      | 21.4636 ng/ml |
| Noroxycodone         | 2.852 | 127618 | 1035.21   | 47.2  | 1296.36   | 173212     | 25.2429 ng/ml |
| O-desmethyl-tramadol | 3.323 | 757122 | 16282.27  | 6.0   | 1850.81   | 1616746    | 24.2879 ng/ml |
| Oxazepam             | 5.732 | 289836 | 9302.16   | 70.8  | 781.97    | 706004     | 25.2846 ng/ml |
| Oxycodone            | 2.769 | 286628 | ∞         | 31.0  | 1832.31   | 495859     | 25.2184 ng/ml |
| Oxymorphone          | 1.356 | 119915 | ∞         | 47.4  | 507.30    | 167753     | 25.5623 ng/ml |
| Phentermine          | 3.723 | 96584  | ∞         | 3.2   | 185.29    | 496730     | 26.3235 ng/ml |
| Promethazine         | 5.515 | 248937 | 23779.48  | 30.6  | 2438.48   | 441951     | 24.2399 ng/ml |
| Quetiapine           | 5.519 | 184610 | ∞         | 58.9  | 174.29    | 94959      | 25.3687 ng/ml |
| Sertraline           | 5.758 | 71654  | 788.24    | 90.8  | ∞         | 115859     | 24.5717 ng/ml |
| Temazepam            | 5.799 | 499762 | 1862.02   | 30.6  | 934.39    | 1009225    | 24.0901 ng/ml |
| Tramadol             | 4.197 | 727941 | 3870.59   | 3.4   | 230.88    | 1508803    | 25.3260 ng/ml |
| Trazodone            | 5.073 | 193979 | 41193.23  | 77.8  | 16779.17  | 325356     | 23.7379 ng/ml |
| Venlafaxine          | 4.994 | 496033 | 17497.30  | 36.2  | 3262.48   | 1056651    | 24.1635 ng/ml |
| Zolpidem             | 4.838 | 722696 | ∞         | 31.2  | 232521.82 | 1392918    | 25.6561 ng/ml |

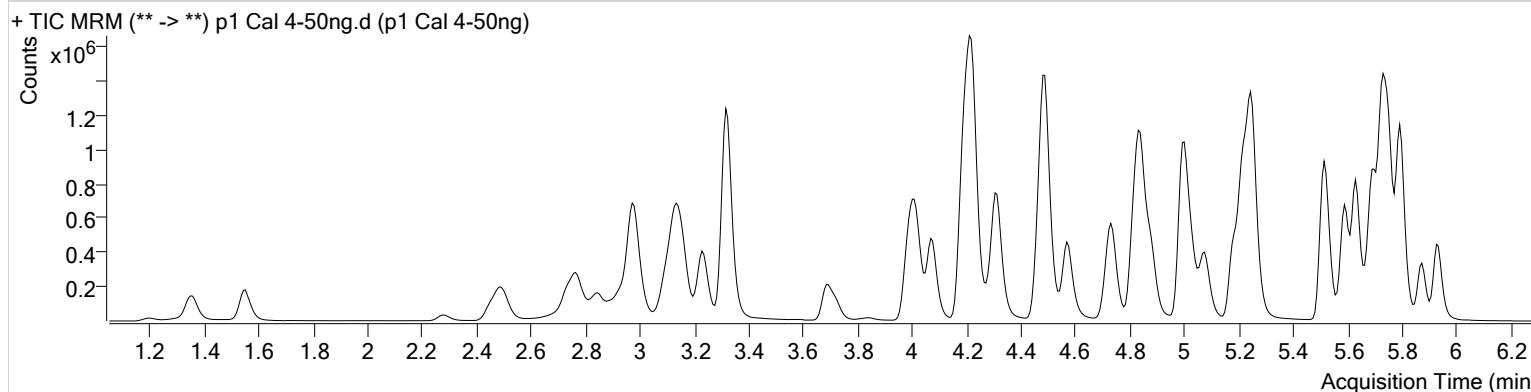
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2020\AM 27-28\070720 AM 27 28 SP\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 7/9/2020 10:39:35 AM

|                         |                     |                  |                 |
|-------------------------|---------------------|------------------|-----------------|
| <b>Instrument</b>       | Falco               | <b>Data File</b> | p1 Cal 4-50ng.d |
| <b>Type</b>             | Cal                 | <b>Sample</b>    | p1 Cal 4-50ng   |
| <b>Acq. Method</b>      | MDQ P1 060520.m     | <b>Operator</b>  | Sarah Pickle    |
| <b>Sample Position</b>  | P5-D1               | <b>Comment</b>   |                 |
| <b>Injection Volume</b> | 2                   |                  |                 |
| <b>Acq. Date-Time</b>   | 7/7/2020 9:01:29 PM |                  |                 |

## Sample Chromatogram



| Name                | RT    | Resp.   | S/N       | Ratio | S/N       | ISTD Resp. | Final Conc.   |
|---------------------|-------|---------|-----------|-------|-----------|------------|---------------|
| 6-MAM               | 3.085 | 15266   | 365.00    | 73.0  | 335.74    | 66445      | 4.7710 ng/ml  |
| 7-aminoclonazepam   | 4.223 | 330875  | 268.39    | 81.3  | ∞         | 245273     | 52.5183 ng/ml |
| a-hydroxyalprazolam | 5.674 | 148959  | 585.75    | 61.4  | 681.07    | 67540      | 52.0022 ng/ml |
| alpha-PVP           | 4.315 | 785338  | 4434.73   | 51.6  | 13849.45  | 684077     | 48.9890 ng/ml |
| Alprazolam          | 5.751 | 483308  | 2063.35   | 105.2 | 1845.56   | 262448     | 49.8941 ng/ml |
| Amphetamine         | 2.983 | 1160238 | 4313.18   | 51.8  | 4545.49   | 235139     | 55.1508 ng/ml |
| Benzoyllecgonine    | 3.845 | 21368   | ∞         | 7.6   | ∞         | 16181      | 47.7174 ng/ml |
| Buprenorphine       | 5.782 | 18660   | 298.30    | 16.6  | 98.03     | 156005     | 4.8082 ng/ml  |
| Bupropion           | 4.733 | 765076  | 1652.46   | 60.0  | 1052.02   | 485969     | 51.1953 ng/ml |
| Carisoprodol        | 5.700 | 446318  | 147160.64 | 55.2  | 759.45    | 423221     | 51.5077 ng/ml |
| Citalopram          | 5.183 | 437664  | 1781.35   | 42.2  | 118343.27 | 381002     | 50.9861 ng/ml |
| Clonazepam          | 5.588 | 608932  | 9050.14   | 33.6  | 623683.35 | 140366     | 52.3462 ng/ml |
| Cocaine             | 4.223 | 805015  | 58079.00  | 44.4  | 27115.16  | 1161853    | 49.0191 ng/ml |
| Codeine             | 2.509 | 90437   | 633.68    | 104.1 | 4162.21   | 82072      | 53.1528 ng/ml |
| Cyclobenzaprine     | 5.598 | 323387  | 12486.75  | 10.3  | 520.17    | 245532     | 50.4629 ng/ml |
| Dextromethorphan    | 5.226 | 232887  | 8933.57   | 80.3  | 13075.74  | 213704     | 50.5622 ng/ml |
| Dextrorphan         | 4.077 | 202373  | 1800.86   | 211.6 | 11219.77  | 516859     | 49.3968 ng/ml |
| Diazepam            | 5.936 | 347583  | 5688.78   | 86.3  | 1154.61   | 330365     | 51.2347 ng/ml |
| Dihydrocodeine      | 2.488 | 229743  | 1380.83   | 64.6  | 1917.19   | 240748     | 55.0380 ng/ml |
| Diphenhydramine     | 5.253 | 1017897 | 877.55    | 32.7  | 473.44    | 1392281    | 49.0062 ng/ml |
| Doxylamine          | 4.487 | 1618380 | ∞         | 98.8  | 148672.50 | 1331232    | 51.7757 ng/ml |
| EDDP                | 5.218 | 622346  | 1994.37   | 43.2  | 8930.06   | 662881     | 49.9236 ng/ml |
| Fentanyl            | 5.047 | 33039   | 994.58    | 63.6  | ∞         | 293159     | 5.0397 ng/ml  |
| Fluoxetine          | 5.690 | 367434  | 8017.70   | 8.6   | 2311.39   | 298934     | 50.0006 ng/ml |
| Hydrocodone         | 2.959 | 290345  | ∞         | 38.8  | 256.16    | 356142     | 55.3147 ng/ml |
| Hydromorphone       | 1.553 | 219308  | 1063.85   | 80.7  | 228.11    | 137479     | 50.5437 ng/ml |
| Ketamine            | 3.996 | 670917  | 2080.41   | 39.2  | 1162.64   | 582242     | 52.0370 ng/ml |
| Lamotrigine         | 4.232 | 53610   | ∞         | 82.3  | 4406.87   | 582242     | 52.9923 ng/ml |
| Lorazepam           | 5.729 | 498702  | ∞         | 55.9  | 2287.98   | 140366     | 54.6759 ng/ml |
| MDA                 | 3.137 | 878086  | 16585.66  | 20.7  | 244.42    | 384503     | 53.9463 ng/ml |
| MDMA                | 3.231 | 585077  | 228544.69 | 67.4  | 18436.43  | 112876     | 50.9186 ng/ml |
| Meprobamate         | 4.869 | 228965  | 99164.68  | 26.3  | 407.37    | 223302     | 52.0775 ng/ml |
| Methadone           | 5.629 | 676049  | 36070.58  | 52.0  | 26163.24  | 619522     | 49.4084 ng/ml |

# AM #28 Multi-Drug Quant. Results



| Name                 | RT    | Resp.   | S/N        | Ratio | S/N      | ISTD Resp. | Final Conc.   |
|----------------------|-------|---------|------------|-------|----------|------------|---------------|
| Methamphetamine      | 3.158 | 613113  | 2255.50    | 41.5  | 2505.01  | 550956     | 54.5345 ng/ml |
| Metoprolol           | 4.285 | 131374  | 204159.93  | 94.5  | 6440.43  | 1572920    | 53.0911 ng/ml |
| Mirtazapine          | 4.569 | 757124  | 159854.32  | 50.0  | 6269.41  | 684077     | 55.6011 ng/ml |
| Mitragynine          | 5.181 | 138391  | 32384.18   | 37.4  | 13553.74 | 619522     | 55.2031 ng/ml |
| Morphine             | 1.200 | 32586   | 4857.00    | 21.8  | 1775.38  | 7207       | 50.9699 ng/ml |
| Norbuprenorphine     | 4.944 | 2237    | 322.12     | 73.3  | 94.96    | 18443      | 5.0885 ng/ml  |
| Nordiazepam          | 5.876 | 325551  | 1780.99    | 58.2  | 1069.30  | 208377     | 51.7429 ng/ml |
| Norfentanyl          | 4.037 | 111973  | 10440.45   | 38.1  | 1351.28  | 1023068    | 4.7324 ng/ml  |
| Norhydrocodone       | 3.014 | 27971   | 220.54     | 43.1  | 98.14    | 55880      | 46.7808 ng/ml |
| Noroxycodone         | 2.845 | 264809  | 2811.01    | 47.9  | 2246.07  | 176074     | 51.8778 ng/ml |
| O-desmethyl-tramadol | 3.323 | 1565387 | 5076.28    | 6.0   | 10047.83 | 1632146    | 49.6246 ng/ml |
| Oxazepam             | 5.732 | 573858  | ∞          | 68.8  | ∞        | 674532     | 52.7567 ng/ml |
| Oxycodone            | 2.769 | 608167  | 5201.03    | 30.8  | 2008.43  | 509829     | 52.3011 ng/ml |
| Oxymorphone          | 1.356 | 243673  | ∞          | 46.0  | ∞        | 171864     | 50.9589 ng/ml |
| Phentermine          | 3.723 | 216120  | 2545.19    | 3.3   | 313.86   | 551404     | 53.7112 ng/ml |
| Promethazine         | 5.515 | 710023  | 1277134.68 | 30.3  | 894.82   | 602019     | 50.4729 ng/ml |
| Quetiapine           | 5.519 | 459164  | 733.57     | 60.1  | ∞        | 120670     | 49.8770 ng/ml |
| Sertraline           | 5.758 | 193286  | 1452.94    | 92.5  | 1663.24  | 156002     | 49.0418 ng/ml |
| Temazepam            | 5.799 | 1023798 | 13946.12   | 30.5  | 1550.66  | 1007977    | 49.3596 ng/ml |
| Tramadol             | 4.197 | 1531130 | 1842.41    | 3.4   | 180.26   | 1572920    | 51.5442 ng/ml |
| Trazodone            | 5.073 | 542882  | 6386.28    | 77.3  | 12683.80 | 438309     | 49.2943 ng/ml |
| Venlafaxine          | 4.994 | 1097682 | 1950.58    | 36.5  | 2353.35  | 1152855    | 48.3909 ng/ml |
| Zolpidem             | 4.838 | 1515984 | 150763.18  | 31.5  | ∞        | 1449581    | 52.1357 ng/ml |

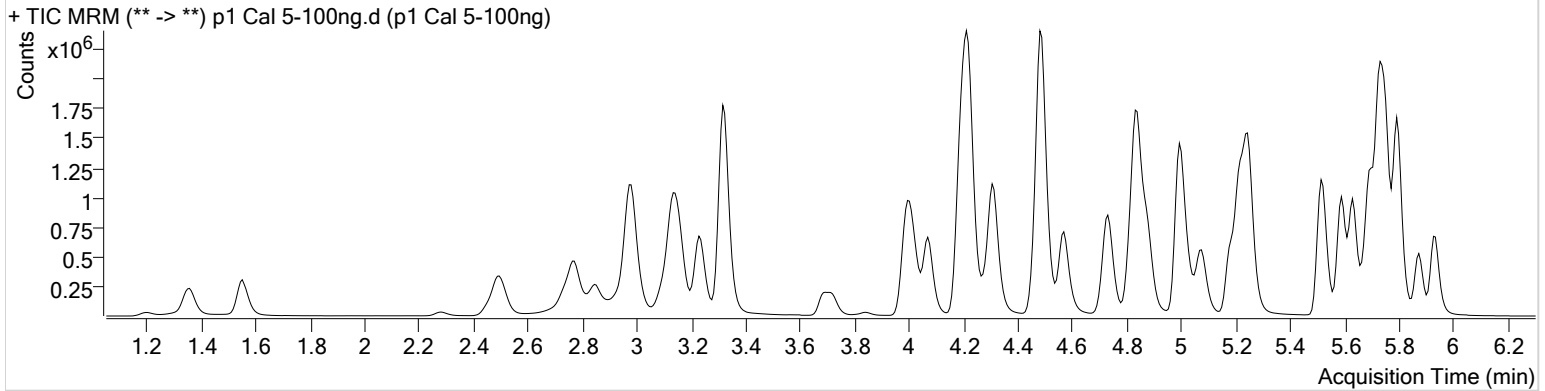
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2020\AM 27-28\070720 AM 27 28 SP\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 7/9/2020 10:39:35 AM

|                         |                     |                  |                  |
|-------------------------|---------------------|------------------|------------------|
| <b>Instrument</b>       | Falco               | <b>Data File</b> | p1 Cal 5-100ng.d |
| <b>Type</b>             | Cal                 | <b>Sample</b>    | p1 Cal 5-100ng   |
| <b>Acq. Method</b>      | MDQ P1 060520.m     | <b>Operator</b>  | Sarah Pickle     |
| <b>Sample Position</b>  | P5-E1               | <b>Comment</b>   |                  |
| <b>Injection Volume</b> | 2                   |                  |                  |
| <b>Acq. Date-Time</b>   | 7/7/2020 9:12:03 PM |                  |                  |
| <b>Sample Info.</b>     |                     |                  |                  |

## Sample Chromatogram



| Name                | RT    | Resp.   | S/N       | Ratio | S/N        | ISTD Resp. | Final Conc.    |
|---------------------|-------|---------|-----------|-------|------------|------------|----------------|
| 6-MAM               | 3.085 | 30448   | 2500.10   | 71.2  | 935.62     | 63131      | 10.0270 ng/ml  |
| 7-aminoclonazepam   | 4.223 | 608909  | 19164.52  | 81.7  | 15657.49   | 221335     | 108.3587 ng/ml |
| a-hydroxyalprazolam | 5.674 | 280306  | 1381.17   | 60.6  | 2746.47    | 64273      | 103.3093 ng/ml |
| alpha-PVP           | 4.315 | 1405828 | 93865.61  | 51.4  | 15856.03   | 613868     | 97.3229 ng/ml  |
| Alprazolam          | 5.751 | 886861  | 3780.01   | 106.6 | 3274.13    | 247713     | 96.3000 ng/ml  |
| Amphetamine         | 2.983 | 1933422 | 15569.60  | 51.2  | 19739.16   | 207693     | 105.3273 ng/ml |
| Benzoylcegonine     | 3.838 | 42341   | 4363.83   | 8.2   | 947.28     | 15860      | 96.3050 ng/ml  |
| Buprenorphine       | 5.782 | 27035   | 488.54    | 16.5  | 692.35     | 111432     | 9.7426 ng/ml   |
| Bupropion           | 4.733 | 1284388 | 170566.28 | 59.7  | 1918.76    | 417103     | 100.3098 ng/ml |
| Carisoprodol        | 5.700 | 834379  | 1602.25   | 54.2  | 1704.99    | 407745     | 100.0767 ng/ml |
| Citalopram          | 5.183 | 645678  | 1641.60   | 43.3  | 1205.83    | 291850     | 98.1168 ng/ml  |
| Clonazepam          | 5.588 | 1146408 | 59779.57  | 33.3  | 4456.30    | 133704     | 104.1028 ng/ml |
| Cocaine             | 4.216 | 1453257 | ∞         | 43.7  | 16108.63   | 1051965    | 97.4102 ng/ml  |
| Codeine             | 2.509 | 168981  | 713.61    | 104.0 | 1167.30    | 77773      | 105.0685 ng/ml |
| Cyclobenzaprine     | 5.598 | 450779  | 820.48    | 10.5  | 253.73     | 174248     | 98.9998 ng/ml  |
| Dextromethorphan    | 5.219 | 339066  | ∞         | 78.7  | 18212.31   | 155647     | 101.0931 ng/ml |
| Dextrorphan         | 4.070 | 357639  | 3376.49   | 213.8 | 1820.10    | 456682     | 98.4970 ng/ml  |
| Diazepam            | 5.936 | 628863  | 5290.39   | 88.8  | 9866.25    | 309047     | 99.3470 ng/ml  |
| Dihydrocodeine      | 2.488 | 434157  | 17164.80  | 63.5  | 1062.21    | 231791     | 109.7096 ng/ml |
| Diphenhydramine     | 5.253 | 1531147 | 52825.94  | 32.6  | 666.53     | 1045941    | 97.6071 ng/ml  |
| Doxylamine          | 4.487 | 2970492 | 114787.80 | 98.4  | 1173060.26 | 1239719    | 102.7555 ng/ml |
| EDDP                | 5.218 | 1032877 | 2520.01   | 42.9  | 642.82     | 559967     | 98.2334 ng/ml  |
| Fentanyl            | 5.047 | 46227   | 729.62    | 65.9  | 246746.46  | 208076     | 9.9560 ng/ml   |
| Fluoxetine          | 5.690 | 525987  | ∞         | 8.5   | 4485.50    | 213794     | 100.1118 ng/ml |
| Hydrocodone         | 2.959 | 532491  | 822.73    | 38.8  | 2302.39    | 348739     | 104.3767 ng/ml |
| Hydromorphone       | 1.553 | 430535  | ∞         | 76.1  | 2002.32    | 134604     | 101.4129 ng/ml |
| Ketamine            | 3.996 | 1236033 | 4761.64   | 38.9  | 40606.05   | 549974     | 101.9298 ng/ml |
| Lamotrigine         | 4.226 | 95966   | 5533.38   | 81.8  | 6215.53    | 549974     | 101.4363 ng/ml |
| Lorazepam           | 5.722 | 872755  | 5640.55   | 55.0  | ∞          | 133704     | 101.6315 ng/ml |
| MDA                 | 3.137 | 1494309 | 19376.41  | 20.3  | 255.87     | 338764     | 104.8106 ng/ml |
| MDMA                | 3.231 | 1021043 | 64098.54  | 67.9  | 9611.14    | 100551     | 100.0014 ng/ml |
| Meprobamate         | 4.869 | 418467  | 663.77    | 26.5  | 4682.29    | 205734     | 103.6467 ng/ml |
| Methadone           | 5.629 | 978545  | 2131.11   | 52.5  | 1812.52    | 460538     | 95.8088 ng/ml  |



# AM #28 Multi-Drug Quant. Results

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| Name                 | RT    | Resp.   | S/N        | Ratio | S/N       | ISTD Resp. | Final Conc.    |
|----------------------|-------|---------|------------|-------|-----------|------------|----------------|
| Methamphetamine      | 3.158 | 948741  | 978.62     | 42.8  | 647.86    | 459121     | 103.9359 ng/ml |
| Metoprolol           | 4.278 | 234010  | 1107830.18 | 96.2  | ∞         | 1426125    | 104.4094 ng/ml |
| Mirtazapine          | 4.569 | 1176041 | 167851.52  | 49.7  | 31197.07  | 613868     | 96.2698 ng/ml  |
| Mitragynine          | 5.181 | 188638  | ∞          | 39.3  | 84097.07  | 460538     | 101.7480 ng/ml |
| Morphine             | 1.200 | 63900   | 2905.52    | 23.4  | 1114.14   | 7569       | 95.3217 ng/ml  |
| Norbuprenorphine     | 4.944 | 3180    | 141.66     | 88.0  | 2647.64   | 13771      | 9.9466 ng/ml   |
| Nordiazepam          | 5.876 | 598297  | 7368.39    | 57.3  | 3497.49   | 194164     | 102.3043 ng/ml |
| Norfentanyl          | 4.037 | 218308  | 13475.50   | 37.8  | 1042.89   | 982461     | 9.5422 ng/ml   |
| Norhydrocodone       | 3.014 | 50259   | 101.80     | 43.1  | 297.38    | 49326      | 94.3309 ng/ml  |
| Noroxycodone         | 2.852 | 482263  | 1732.67    | 49.3  | 1245.22   | 167248     | 99.7721 ng/ml  |
| O-desmethyl-tramadol | 3.323 | 2999063 | 6675.60    | 6.0   | 1913.84   | 1562309    | 99.2108 ng/ml  |
| Oxazepam             | 5.732 | 1027619 | 21447.89   | 70.2  | 13468.00  | 610414     | 104.7237 ng/ml |
| Oxycodone            | 2.769 | 1132701 | 4048.13    | 31.0  | 2048.96   | 493058     | 100.9487 ng/ml |
| Oxymorphone          | 1.356 | 452928  | 1240.57    | 48.5  | 248.86    | 161007     | 101.3654 ng/ml |
| Phentermine          | 3.723 | 368391  | ∞          | 3.2   | 605.11    | 483312     | 105.0568 ng/ml |
| Promethazine         | 5.515 | 993263  | 22156.13   | 30.4  | 846.16    | 435309     | 97.4069 ng/ml  |
| Quetiapine           | 5.519 | 710171  | 27576.86   | 60.0  | ∞         | 93765      | 99.5092 ng/ml  |
| Sertraline           | 5.758 | 267305  | 1020.57    | 89.1  | 2004.54   | 108089     | 97.7026 ng/ml  |
| Temazepam            | 5.799 | 1916253 | 33552.85   | 30.5  | 1286.30   | 952121     | 97.7581 ng/ml  |
| Tramadol             | 4.197 | 2781039 | 3632.97    | 3.4   | 1034.03   | 1426125    | 103.6976 ng/ml |
| Trazodone            | 5.073 | 790580  | 115709.36  | 79.1  | 171742.86 | 323131     | 97.3555 ng/ml  |
| Venlafaxine          | 4.994 | 1990786 | 2199.04    | 35.8  | 8141.31   | 1033717    | 97.2626 ng/ml  |
| Zolpidem             | 4.838 | 2842099 | 210890.01  | 30.8  | 56336.48  | 1379237    | 103.1292 ng/ml |

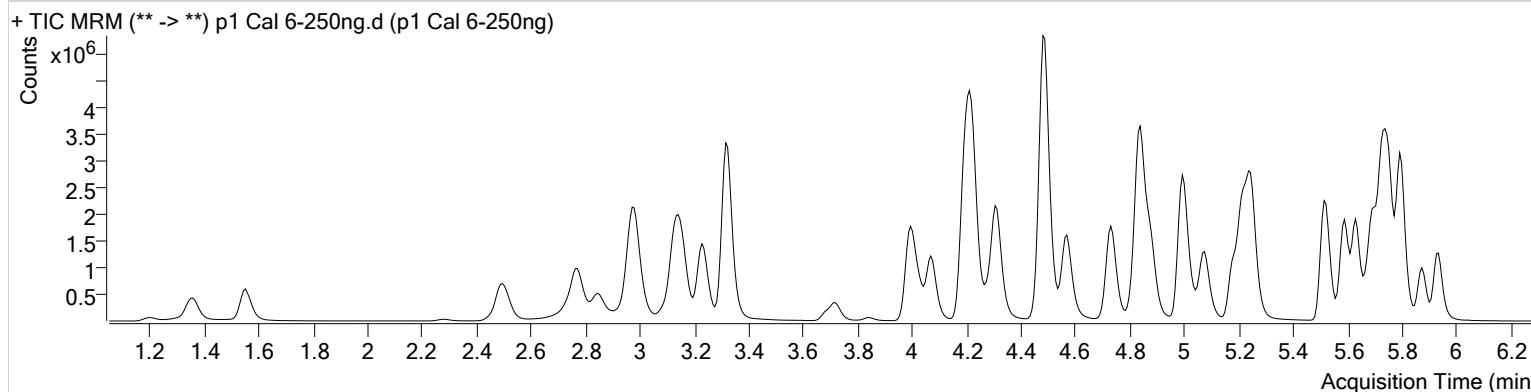
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2020\AM 27-28\070720 AM 27 28 SP\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 7/9/2020 10:39:35 AM

|                         |                     |                  |                  |
|-------------------------|---------------------|------------------|------------------|
| <b>Instrument</b>       | Falco               | <b>Data File</b> | p1 Cal 6-250ng.d |
| <b>Type</b>             | Cal                 | <b>Sample</b>    | p1 Cal 6-250ng   |
| <b>Acq. Method</b>      | MDQ P1 060520.m     | <b>Operator</b>  | Sarah Pickle     |
| <b>Sample Position</b>  | P5-F1               | <b>Comment</b>   |                  |
| <b>Injection Volume</b> | 2                   |                  |                  |
| <b>Acq. Date-Time</b>   | 7/7/2020 9:22:37 PM |                  |                  |

## Sample Chromatogram



| Name                | RT    | Resp.   | S/N       | Ratio | S/N       | ISTD Resp. | Final Conc.    |
|---------------------|-------|---------|-----------|-------|-----------|------------|----------------|
| 6-MAM               | 3.085 | 74612   | 1307.32   | 70.1  | 2535.67   | 60031      | 25.8568 ng/ml  |
| 7-aminoclonazepam   | 4.223 | 1147806 | ∞         | 81.9  | 31590.61  | 171134     | 265.9149 ng/ml |
| a-hydroxyalprazolam | 5.674 | 608130  | 1581.21   | 61.3  | 703.13    | 56930      | 253.7528 ng/ml |
| alpha-PVP           | 4.315 | 3129194 | 7184.22   | 51.0  | 9624.04   | 542627     | 244.4560 ng/ml |
| Alprazolam          | 5.751 | 1928979 | 2674.30   | 105.4 | 4672.69   | 210260     | 245.6089 ng/ml |
| Amphetamine         | 2.983 | 3865851 | 35329.19  | 51.0  | 11533.52  | 186574     | 236.2074 ng/ml |
| Benzoylcegonine     | 3.838 | 102071  | 2627.51   | 8.0   | ∞         | 14789      | 248.7327 ng/ml |
| Buprenorphine       | 5.782 | 59470   | 1812.83   | 15.0  | 453.55    | 94656      | 25.2146 ng/ml  |
| Bupropion           | 4.733 | 2863550 | 1911.35   | 59.6  | ∞         | 367350     | 254.2101 ng/ml |
| Carisoprodol        | 5.700 | 1698988 | 869.04    | 54.5  | 2604.47   | 327742     | 253.7345 ng/ml |
| Citalopram          | 5.176 | 1427779 | 1909.92   | 42.4  | 2517.13   | 254188     | 248.9789 ng/ml |
| Clonazepam          | 5.588 | 2421682 | 36407.50  | 33.3  | 5984.25   | 115307     | 255.9477 ng/ml |
| Cocaine             | 4.216 | 3170035 | 319125.20 | 43.9  | 231306.39 | 905334     | 246.3953 ng/ml |
| Codeine             | 2.516 | 360466  | 22152.67  | 104.8 | 607.62    | 69018      | 252.9411 ng/ml |
| Cyclobenzaprine     | 5.598 | 938274  | 2440.81   | 10.4  | ∞         | 144186     | 248.8403 ng/ml |
| Dextromethorphan    | 5.219 | 705735  | 1753.85   | 79.3  | 1459.55   | 135304     | 242.0813 ng/ml |
| Dextrorphan         | 4.070 | 803841  | 1677.41   | 212.7 | 66042.63  | 404203     | 249.6643 ng/ml |
| Diazepam            | 5.936 | 1404576 | 13765.60  | 86.9  | 3770.02   | 272068     | 252.4759 ng/ml |
| Dihydrocodeine      | 2.488 | 985318  | 7243.14   | 63.6  | 11143.42  | 224175     | 259.7983 ng/ml |
| Diphenhydramine     | 5.247 | 3419070 | 207119.06 | 32.9  | 5106.29   | 921245     | 246.6650 ng/ml |
| Doxylamine          | 4.487 | 7101645 | 903814.52 | 97.1  | 108306.86 | 1161335    | 263.3729 ng/ml |
| EDDP                | 5.218 | 2388090 | 18327.66  | 42.8  | 6803.08   | 512266     | 248.5096 ng/ml |
| Fentanyl            | 5.047 | 101405  | 4184.39   | 65.1  | 216003.14 | 179271     | 25.3835 ng/ml  |
| Fluoxetine          | 5.690 | 984774  | 1388.75   | 8.8   | ∞         | 162084     | 247.2764 ng/ml |
| Hydrocodone         | 2.959 | 1151434 | 565.27    | 40.6  | ∞         | 318342     | 248.4678 ng/ml |
| Hydromorphone       | 1.553 | 930950  | 1394.45   | 77.6  | ∞         | 120351     | 245.3541 ng/ml |
| Ketamine            | 3.996 | 2827973 | 4256.28   | 38.8  | 1970.01   | 513734     | 250.3270 ng/ml |
| Lamotrigine         | 4.232 | 190195  | ∞         | 81.5  | ∞         | 513734     | 216.4842 ng/ml |
| Lorazepam           | 5.722 | 1480365 | 2476.31   | 56.2  | ∞         | 115307     | 201.2524 ng/ml |
| MDA                 | 3.130 | 3074848 | 23001.95  | 19.7  | 275.24    | 290021     | 252.8357 ng/ml |
| MDMA                | 3.231 | 2307783 | 38886.32  | 67.9  | 11598.20  | 89948      | 253.0637 ng/ml |
| Meprobamate         | 4.869 | 816269  | 736.48    | 25.9  | 19609.99  | 168608     | 247.1686 ng/ml |
| Methadone           | 5.629 | 2226830 | 111141.76 | 51.7  | 2047.62   | 410360     | 244.0381 ng/ml |

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# AM #28 Multi-Drug Quant. Results

| Name                 | RT    | Resp.   | S/N       | Ratio | S/N       | ISTD Resp. | Final Conc.    |
|----------------------|-------|---------|-----------|-------|-----------|------------|----------------|
| Methamphetamine      | 3.158 | 2008071 | 1795.80   | 42.8  | 1406.77   | 405535     | 253.4040 ng/ml |
| Metoprolol           | 4.278 | 527444  | 8975.63   | 95.3  | 44059.15  | 1303874    | 257.5585 ng/ml |
| Mirtazapine          | 4.569 | 2699076 | 20622.17  | 49.7  | 6006.75   | 542627     | 250.0105 ng/ml |
| Mitragynine          | 5.181 | 417011  | 365744.49 | 37.9  | 528451.44 | 410360     | 253.3667 ng/ml |
| Morphine             | 1.200 | 148652  | 10403.85  | 21.9  | 1357.11   | 6469       | 259.7748 ng/ml |
| Norbuprenorphine     | 4.944 | 7030    | 189.39    | 84.1  | 246.91    | 12346      | 24.9456 ng/ml  |
| Nordiazepam          | 5.876 | 1283573 | 3354.22   | 58.0  | 2923.50   | 168618     | 253.1124 ng/ml |
| Norfentanyl          | 4.037 | 518681  | 128277.74 | 37.4  | 1948.23   | 901570     | 24.6041 ng/ml  |
| Norhydrocodone       | 3.014 | 110956  | 144.23    | 42.0  | 155.71    | 40763      | 250.5586 ng/ml |
| Noroxycodone         | 2.845 | 1056762 | ∞         | 48.0  | 698.00    | 144641     | 253.3126 ng/ml |
| O-desmethyl-tramadol | 3.317 | 7133773 | 295165.61 | 5.8   | 2920.75   | 1446528    | 254.7015 ng/ml |
| Oxazepam             | 5.732 | 1930772 | 68543.19  | 70.2  | ∞         | 474457     | 253.6206 ng/ml |
| Oxycodone            | 2.769 | 2688638 | ∞         | 30.8  | 3696.59   | 465593     | 254.1204 ng/ml |
| Oxymorphone          | 1.356 | 998415  | 2791.33   | 47.9  | ∞         | 146263     | 246.3425 ng/ml |
| Phentermine          | 3.723 | 802110  | 2193.73   | 3.1   | ∞         | 432735     | 256.3941 ng/ml |
| Promethazine         | 5.508 | 2097430 | 1192.20   | 30.0  | 2871.53   | 358226     | 249.5473 ng/ml |
| Quetiapine           | 5.519 | 1673031 | 3006.68   | 59.8  | ∞         | 87591      | 251.3024 ng/ml |
| Sertraline           | 5.758 | 460339  | 919.02    | 91.1  | 2193.01   | 72367      | 251.0238 ng/ml |
| Temazepam            | 5.799 | 4404680 | 57420.56  | 29.1  | 49652.28  | 842840     | 253.7619 ng/ml |
| Tramadol             | 4.197 | 6228314 | ∞         | 3.3   | 1431.19   | 1303874    | 254.6469 ng/ml |
| Trazodone            | 5.073 | 1884321 | 91252.76  | 78.3  | 4066.53   | 301773     | 248.4372 ng/ml |
| Venlafaxine          | 4.994 | 4565682 | 7307.45   | 35.5  | 2260.47   | 937047     | 245.1542 ng/ml |
| Zolpidem             | 4.838 | 6777408 | ∞         | 30.3  | 14498.10  | 1317376    | 258.0958 ng/ml |

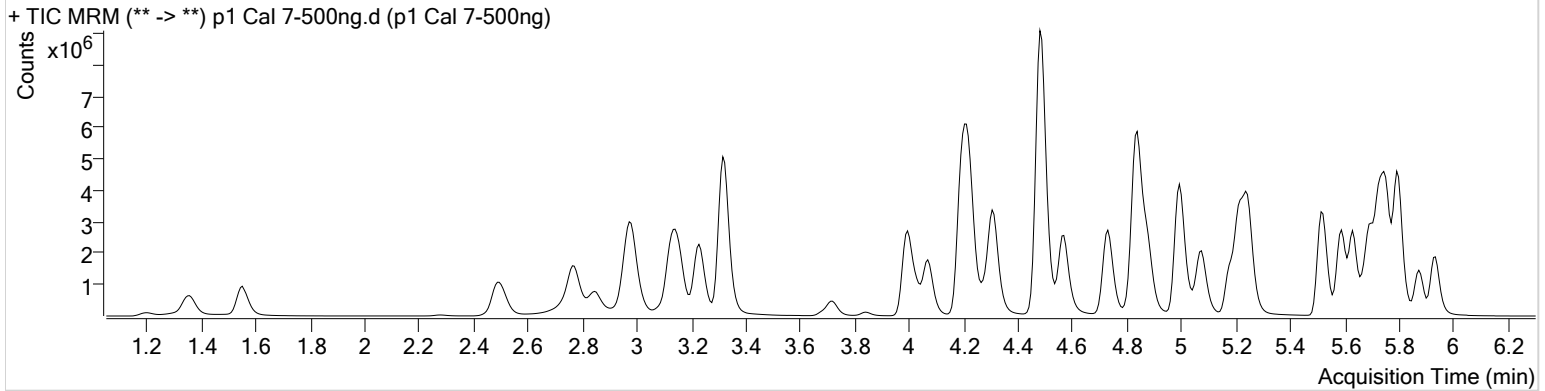
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2020\AM 27-28\070720 AM 27 28 SP\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 7/9/2020 10:39:35 AM

|                         |                     |                  |                  |
|-------------------------|---------------------|------------------|------------------|
| <b>Instrument</b>       | Falco               | <b>Data File</b> | p1 Cal 7-500ng.d |
| <b>Type</b>             | Cal                 | <b>Sample</b>    | p1 Cal 7-500ng   |
| <b>Acq. Method</b>      | MDQ P1 060520.m     | <b>Operator</b>  | Sarah Pickle     |
| <b>Sample Position</b>  | P5-G1               | <b>Comment</b>   |                  |
| <b>Injection Volume</b> | 2                   |                  |                  |
| <b>Acq. Date-Time</b>   | 7/7/2020 9:33:12 PM |                  |                  |

## Sample Chromatogram



| Name                | RT    | Resp.    | S/N       | Ratio | S/N      | ISTD Resp. | Final Conc.    |
|---------------------|-------|----------|-----------|-------|----------|------------|----------------|
| 6-MAM               | 3.079 | 132629   | 1902.17   | 71.7  | 2595.22  | 54670      | 50.4806 ng/ml  |
| 7-aminoclonazepam   | 4.223 | 1584777  | 24796.13  | 81.8  | 834.30   | 124800     | 504.5377 ng/ml |
| a-hydroxyalprazolam | 5.674 | 965189   | 1474.62   | 61.7  | ∞        | 46934      | 488.9730 ng/ml |
| alpha-PVP           | 4.308 | 5259123  | 276456.10 | 50.1  | 1611.30  | 446156     | 499.2625 ng/ml |
| Alprazolam          | 5.751 | 3114538  | 4820.73   | 106.0 | ∞        | 165009     | 504.5255 ng/ml |
| Amphetamine         | 2.983 | 5493787  | 23229.70  | 50.7  | ∞        | 155775     | 403.0557 ng/ml |
| Benzoylcegonine     | 3.838 | 203540   | 2091.97   | 7.7   | 1118.76  | 14264      | 514.0860 ng/ml |
| Buprenorphine       | 5.782 | 82007    | 791.27    | 16.0  | 562.64   | 64407      | 51.0898 ng/ml  |
| Bupropion           | 4.733 | 4562554  | 130575.32 | 59.4  | 1430.19  | 297818     | 499.7795 ng/ml |
| Carisoprodol        | 5.700 | 2554465  | 303320.52 | 53.5  | 1697.62  | 250292     | 499.6790 ng/ml |
| Citalopram          | 5.176 | 2117733  | ∞         | 42.4  | 2978.95  | 189143     | 496.2064 ng/ml |
| Clonazepam          | 5.581 | 3799361  | 81944.68  | 32.6  | 66859.42 | 96146      | 482.1628 ng/ml |
| Cocaine             | 4.216 | 5136650  | 221167.48 | 43.2  | 86265.94 | 730285     | 494.6238 ng/ml |
| Codeine             | 2.509 | 572526   | 2023.53   | 104.4 | 10345.59 | 59123      | 469.2151 ng/ml |
| Cyclobenzaprine     | 5.598 | 1382065  | 251633.73 | 10.5  | 1011.13  | 106153     | 497.7384 ng/ml |
| Dextromethorphan    | 5.219 | 1007628  | 1014.73   | 78.4  | 1081.25  | 93957      | 497.7586 ng/ml |
| Dextrorphan         | 4.070 | 1282730  | 2334.81   | 212.2 | 2611.37  | 323649     | 497.2612 ng/ml |
| Diazepam            | 5.936 | 2241391  | 52042.53  | 87.9  | 10476.02 | 220392     | 497.6292 ng/ml |
| Dihydrocodeine      | 2.488 | 1621930  | 15158.28  | 64.6  | 2405.10  | 202122     | 475.7550 ng/ml |
| Diphenhydramine     | 5.247 | 5141938  | 82491.03  | 32.6  | 5163.52  | 688286     | 495.9913 ng/ml |
| Doxylamine          | 4.480 | 12488338 | 268379.86 | 98.2  | ∞        | 1029591    | 523.1246 ng/ml |
| EDDP                | 5.218 | 4081508  | 51080.09  | 42.5  | 1827.03  | 436573     | 498.5262 ng/ml |
| Fentanyl            | 5.040 | 148190   | 9279.52   | 65.7  | 5057.37  | 133991     | 49.6513 ng/ml  |
| Fluoxetine          | 5.690 | 1398795  | 59658.19  | 8.7   | ∞        | 112755     | 504.9323 ng/ml |
| Hydrocodone         | 2.953 | 1863301  | 2546.87   | 41.4  | ∞        | 287475     | 445.9587 ng/ml |
| Hydromorphone       | 1.553 | 1608296  | 1264.39   | 75.7  | ∞        | 100624     | 507.0407 ng/ml |
| Ketamine            | 3.996 | 4820445  | 4255.43   | 38.2  | 29630.43 | 444580     | 493.5153 ng/ml |
| Lamotrigine         | 4.232 | 272450   | 17474.72  | 80.6  | ∞        | 444580     | 359.0857 ng/ml |
| Lorazepam           | 5.722 | 1740596  | 5097.06   | 56.5  | ∞        | 96146      | 284.3667 ng/ml |
| MDA                 | 3.130 | 4516004  | 69270.20  | 19.1  | 382.42   | 225780     | 477.5759 ng/ml |
| MDMA                | 3.231 | 3799170  | 16244.92  | 67.1  | ∞        | 76037      | 493.0677 ng/ml |
| Meprobamate         | 4.869 | 1152190  | 84600.46  | 25.7  | 450.13   | 122712     | 479.6982 ng/ml |
| Methadone           | 5.629 | 3340483  | 4240.81   | 51.0  | 2024.00  | 297831     | 503.9537 ng/ml |

# AM #28 Multi-Drug Quant. Results



| Name                 | RT    | Resp.    | S/N       | Ratio | S/N       | ISTD Resp. | Final Conc.    |
|----------------------|-------|----------|-----------|-------|-----------|------------|----------------|
| Methamphetamine      | 3.158 | 2917121  | 1534.45   | 41.4  | 3771.13   | 313222     | 479.3549 ng/ml |
| Metoprolol           | 4.278 | 844041   | 202430.87 | 96.0  | 19259.95  | 1103149    | 487.2510 ng/ml |
| Mirtazapine          | 4.569 | 4336472  | ∞         | 49.2  | 39262.71  | 446156     | 488.5680 ng/ml |
| Mitragynine          | 5.181 | 587455   | ∞         | 38.5  | 11785.99  | 297831     | 492.3737 ng/ml |
| Morphine             | 1.200 | 256981   | 3068.47   | 23.0  | 2876.38   | 5850       | 496.7808 ng/ml |
| Norbuprenorphine     | 4.944 | 10489    | 337.89    | 79.4  | 953.70    | 9427       | 49.0123 ng/ml  |
| Nordiazepam          | 5.876 | 2020088  | ∞         | 58.3  | 1826.57   | 137325     | 489.3622 ng/ml |
| Norfentanyl          | 4.037 | 908500   | 19976.50  | 37.5  | 13329.46  | 758632     | 51.1463 ng/ml  |
| Norhydrocodone       | 3.007 | 178470   | 920.89    | 42.4  | 99.38     | 30218      | 542.6317 ng/ml |
| Noroxycodone         | 2.845 | 1668235  | 8125.53   | 48.3  | 1503.18   | 118973     | 486.4712 ng/ml |
| O-desmethyl-tramadol | 3.317 | 12148532 | ∞         | 5.8   | 3882.18   | 1219806    | 514.2510 ng/ml |
| Oxazepam             | 5.732 | 2463766  | ∞         | 68.4  | ∞         | 312612     | 491.4973 ng/ml |
| Oxycodone            | 2.762 | 4657845  | ∞         | 30.6  | 148396.94 | 417648     | 491.0079 ng/ml |
| Oxymorphone          | 1.356 | 1657905  | ∞         | 46.7  | 1399.02   | 120376     | 497.2988 ng/ml |
| Phentermine          | 3.723 | 1216305  | 9422.85   | 3.1   | 1430.58   | 350296     | 480.8473 ng/ml |
| Promethazine         | 5.508 | 3124228  | 5482.57   | 30.5  | 1448.71   | 271818     | 489.6282 ng/ml |
| Quetiapine           | 5.519 | 2761022  | 150586.88 | 57.9  | ∞         | 71566      | 507.8339 ng/ml |
| Sertraline           | 5.758 | 584854   | 2307.04   | 92.4  | 155708.78 | 46480      | 496.3685 ng/ml |
| Temazepam            | 5.799 | 7204486  | 113269.69 | 28.5  | 791.14    | 689415     | 507.3844 ng/ml |
| Tramadol             | 4.190 | 10269024 | 224867.69 | 3.2   | 1498.30   | 1103149    | 496.6632 ng/ml |
| Trazodone            | 5.073 | 3064751  | 133962.52 | 79.2  | 22444.35  | 239639     | 508.8209 ng/ml |
| Venlafaxine          | 4.994 | 7734520  | 3669.17   | 34.7  | 3649.83   | 777457     | 499.9282 ng/ml |
| Zolpidem             | 4.838 | 11716358 | ∞         | 29.8  | 263694.77 | 1182977    | 497.2545 ng/ml |

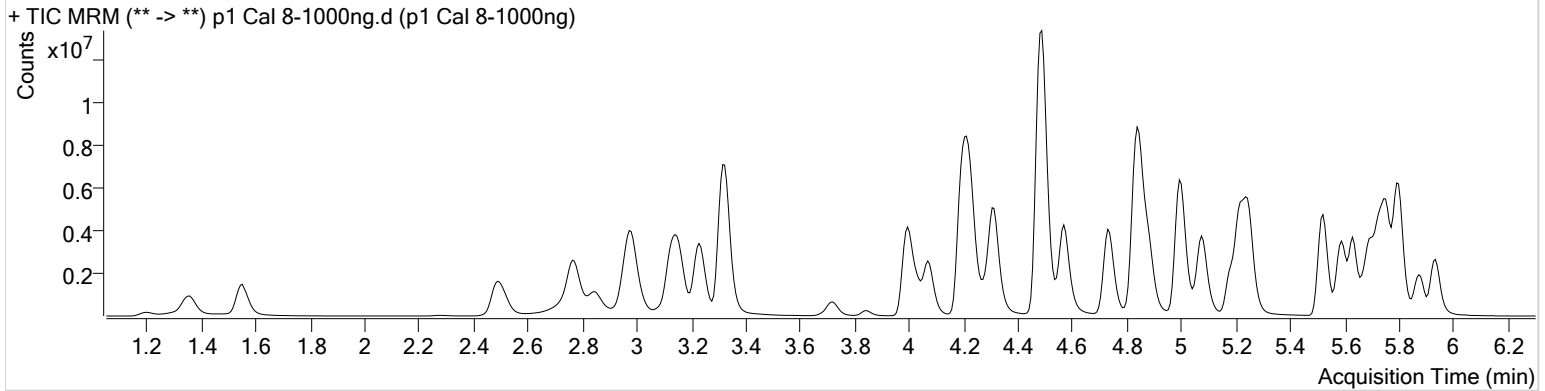
# AM #28 Multi-Drug Quant. Results



**Batch results** D:\MassHunter\Data\2020\AM 27-28\070720 AM 27 28 SP\QuantResults\AM 28.batch.bin  
**Calibration Last Update** 7/9/2020 10:39:35 AM

**Instrument** Falco **Data File** p1 Cal 8-1000ng.d  
**Type** Cal **Sample** p1 Cal 8-1000ng  
**Acq. Method** MDQ P1 060520.m **Operator** Sarah Pickle  
**Sample Position** P5-H1 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 7/7/2020 9:43:45 PM  
**Sample Info.**

## Sample Chromatogram



| Name                | RT    | Resp.    | S/N       | Ratio | S/N       | ISTD Resp. | Final Conc.     |
|---------------------|-------|----------|-----------|-------|-----------|------------|-----------------|
| 6-MAM               | 3.085 | 243380   | 3471.70   | 71.1  | 4943.70   | 51322      | 98.6879 ng/ml   |
| 7-aminoclonazepam   | 4.230 | 1825417  | 7879.78   | 82.0  | 14246.27  | 74927      | 969.0899 ng/ml  |
| a-hydroxyalprazolam | 5.674 | 1436376  | 869.70    | 60.6  | 4467.18   | 37404      | 913.4881 ng/ml  |
| alpha-PVP           | 4.315 | 8346508  | 81332.83  | 50.2  | 103525.74 | 349859     | 1010.0351 ng/ml |
| Alprazolam          | 5.751 | 4728480  | ∞         | 106.6 | 2517.64   | 125743     | 1004.4229 ng/ml |
| Amphetamine         | 2.983 | 7385158  | 23435.53  | 50.1  | 67034.73  | 127781     | 661.4424 ng/ml  |
| Benzoylcegonine     | 3.838 | 435198   | 17547.49  | 7.9   | 5977.12   | 14300      | 1096.1955 ng/ml |
| Buprenorphine       | 5.782 | 101864   | 3201.39   | 15.3  | 3673.53   | 38353      | 106.5601 ng/ml  |
| Bupropion           | 4.733 | 6915843  | 215822.18 | 59.0  | 12876.79  | 226788     | 995.0048 ng/ml  |
| Carisoprodol        | 5.700 | 3553397  | ∞         | 54.0  | 17404.87  | 182064     | 955.6864 ng/ml  |
| Citalopram          | 5.183 | 2958413  | 3110.68   | 42.2  | 1372.69   | 130307     | 1006.0826 ng/ml |
| Clonazepam          | 5.588 | 5472767  | 72973.16  | 32.6  | 22262.29  | 74036      | 902.5149 ng/ml  |
| Cocaine             | 4.216 | 8190865  | 225580.61 | 42.6  | 223136.19 | 568752     | 1012.3875 ng/ml |
| Codeine             | 2.516 | 877462   | 2568.73   | 103.7 | 1853.16   | 47398      | 897.2708 ng/ml  |
| Cyclobenzaprine     | 5.598 | 1559677  | 75471.00  | 10.2  | 5233.55   | 58673      | 1016.1244 ng/ml |
| Dextromethorphan    | 5.219 | 1249327  | 1387.58   | 78.9  | 784.72    | 57486      | 1008.7158 ng/ml |
| Dextrorphan         | 4.070 | 1923652  | 26574.05  | 213.1 | 45715.15  | 240078     | 1004.9995 ng/ml |
| Diazepam            | 5.936 | 3430780  | 13243.97  | 87.1  | ∞         | 169386     | 991.3303 ng/ml  |
| Dihydrocodeine      | 2.488 | 2592747  | 2789.98   | 64.8  | 42560.14  | 190759     | 807.0384 ng/ml  |
| Diphenhydramine     | 5.253 | 7369720  | 3034.65   | 32.0  | 3561.88   | 483652     | 1011.1202 ng/ml |
| Doxylamine          | 4.487 | 19948208 | 211467.57 | 96.4  | 332631.04 | 896988     | 959.7483 ng/ml  |
| EDDP                | 5.218 | 6807184  | 3640.50   | 41.6  | 1406.29   | 350189     | 1036.7166 ng/ml |
| Fentanyl            | 5.047 | 178972   | 9168.03   | 67.4  | 1139.11   | 80975      | 99.2470 ng/ml   |
| Fluoxetine          | 5.690 | 1273936  | 1791.40   | 8.8   | 2330.79   | 51978      | 997.5881 ng/ml  |
| Hydrocodone         | 2.953 | 3185668  | 556.63    | 39.4  | ∞         | 253271     | 866.2570 ng/ml  |
| Hydromorphone       | 1.553 | 2633431  | ∞         | 76.9  | ∞         | 87015      | 960.1470 ng/ml  |
| Ketamine            | 3.996 | 8194975  | 265113.69 | 38.1  | 1771.15   | 397014     | 939.9332 ng/ml  |
| Lamotrigine         | 4.239 | 349422   | 7720.14   | 80.9  | ∞         | 397014     | 516.2013 ng/ml  |
| Lorazepam           | 5.722 | 1757611  | 214.82    | 58.1  | 37259.26  | 74036      | 373.3380 ng/ml  |
| MDA                 | 3.130 | 6019217  | 87591.46  | 19.1  | 602.00    | 169571     | 848.0480 ng/ml  |
| MDMA                | 3.231 | 5896438  | 52278.97  | 66.5  | 49565.10  | 59116      | 984.5660 ng/ml  |
| Meprobamate         | 4.869 | 1411696  | 41693.94  | 25.6  | 7579.84   | 73964      | 975.4685 ng/ml  |
| Methadone           | 5.629 | 4641338  | 2294.91   | 51.2  | 3227.96   | 206987     | 1007.0967 ng/ml |

# AM #28 Multi-Drug Quant. Results



| Name                 | RT    | Resp.    | S/N       | Ratio | S/N       | ISTD Resp. | Final Conc.     |
|----------------------|-------|----------|-----------|-------|-----------|------------|-----------------|
| Methamphetamine      | 3.158 | 4658627  | 4318.04   | 42.1  | 8162.37   | 270229     | 889.9730 ng/ml  |
| Metoprolol           | 4.278 | 1246831  | ∞         | 97.2  | 19937.81  | 914988     | 867.8779 ng/ml  |
| Mirtazapine          | 4.569 | 7220142  | ∞         | 48.7  | 273917.58 | 349859     | 1037.3981 ng/ml |
| Mitragynine          | 5.181 | 719378   | 47469.17  | 39.0  | 22336.51  | 206987     | 868.0494 ng/ml  |
| Morphine             | 1.200 | 438531   | 6095.92   | 22.0  | 2642.73   | 5014       | 989.3284 ng/ml  |
| Norbuprenorphine     | 4.944 | 13629    | 367.75    | 85.8  | 6818.17   | 6359       | 94.6722 ng/ml   |
| Nordiazepam          | 5.876 | 2964177  | ∞         | 57.9  | 3626.62   | 102824     | 959.2456 ng/ml  |
| Norfentanyl          | 4.037 | 1628131  | 4895.39   | 37.5  | 31923.79  | 611955     | 113.5515 ng/ml  |
| Norhydrocodone       | 3.007 | 313120   | 1236.81   | 42.5  | 82.84     | 24802      | 1158.9652 ng/ml |
| Noroxycodone         | 2.845 | 2496517  | 4085.70   | 43.3  | 224.89    | 88879      | 974.8398 ng/ml  |
| O-desmethyl-tramadol | 3.323 | 19355267 | 703489.39 | 5.9   | 3419.46   | 1001161    | 998.1397 ng/ml  |
| Oxazepam             | 5.726 | 2651829  | 10814.37  | 72.1  | 3337.25   | 184623     | 896.0261 ng/ml  |
| Oxycodone            | 2.762 | 8230191  | ∞         | 30.2  | 6036.29   | 380384     | 952.8087 ng/ml  |
| Oxymorphone          | 1.356 | 2667858  | 1302.38   | 46.6  | 1641.00   | 99194      | 971.3723 ng/ml  |
| Phentermine          | 3.723 | 1825344  | 6991.45   | 3.0   | 1495.72   | 294671     | 858.3424 ng/ml  |
| Promethazine         | 5.508 | 3546752  | 87250.73  | 29.9  | 22745.79  | 149050     | 1013.4045 ng/ml |
| Quetiapine           | 5.519 | 4849146  | ∞         | 59.3  | 108289.25 | 65663      | 972.2963 ng/ml  |
| Sertraline           | 5.758 | 432959   | 24788.64  | 93.8  | 2407.27   | 16974      | 1006.0235 ng/ml |
| Temazepam            | 5.799 | 10874344 | 3014.35   | 29.0  | 15800.83  | 509170     | 1036.8931 ng/ml |
| Tramadol             | 4.197 | 15642154 | 129263.97 | 3.2   | 1751.36   | 914988     | 912.4787 ng/ml  |
| Trazodone            | 5.073 | 5633119  | 2064.92   | 78.5  | 308521.31 | 208035     | 1077.2855 ng/ml |
| Venlafaxine          | 4.994 | 12631368 | 93171.48  | 34.8  | 91174.07  | 628396     | 1009.4939 ng/ml |
| Zolpidem             | 4.838 | 19137912 | 347852.73 | 30.9  | 270083.44 | 1088096    | 883.3810 ng/ml  |