

**REVIEWED**

By Sarah Collins at 1:28 pm, Nov 22, 2022

**Worklist: 6173**

| <u>LAB_CASE</u> | <u>ITEM</u> | <u>ITEM_TYPE</u> | <u>DESCRIPTION</u>                                    |   |
|-----------------|-------------|------------------|---|---|
| C2022-2487      |             | BCK              | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ        |    |
| C2022-2489      |             | BCK              | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ        |    |
| C2022-2490      |             | BCK              | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ        |    |
| C2022-2492      |             | BCK              | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ        |    |
| C2022-2493      |             | BCK              | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ        |    |
| C2022-2512      | 2           | BCK              | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ        |    |
| C2022-2514      |             | UCK              | AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQQ |    |
| C2022-2515      |             | BCK              | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ        |    |
| C2022-2516      |             | UCK              | AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQQ |    |
| C2022-2517      |             | AVK              | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ        |   |
| C2022-2528      |             | BCK              | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ        |  |
| C2022-2556      |             | BCK              | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ        |  |

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

Extraction Date 11/18/22 Analyst: Anne Nord  
Plate lot#: 220802 Item: IDP-121-3CDA Plate re-test: 02/02/23

**Mobile phase A:** 5mM Amm Form + 0.01% FA 0.5M Ammonium Hydroxide  
**Mobile phase B:** 0.01% Formic Acid in MeOH Ethyl Acetate 20% Methanol in Water

**Blank Blood Lot:** 22B52016-1 **Urine Blank lot:** 7722

**Column:** Agilent 120 EC-C18 (2.1x 100-2.7um) **LCMS-QQQ ID:** 69679

## Pre-Analytic:

- 1. Check levels of mobile phases and needle wash refill as needed. Ensure waste is not full.
- 2. Ensure correct column is installed and begin mobile phase flow allow to equilibrate ~ 30 minutes.

## Analytic:

- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. Urine hydrolysis 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) Pipette ID: 390993 or 250µL hydrolyzed urine in wells of analytical (standards) plate.
- 3. Pipette 250µL 00.5M ammonium hydroxide in wells of analytical plate.
- 4. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 5. Transfer 300µL of blood+base/urine+base mixture to corresponding wells of SLE+ plate.
- 6. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent). *(Load at 85-100 PSI- Selector to the right) Manifold ID: 66792*
- 7. Wait 5 minutes.
- 8. Add 900uL ethyl acetate.
- 9. Wait 5 minutes.
- 10. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left).*
- 11. Add 900uL ethyl acetate.
- 12. Wait 5 minutes.
- 13. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left).*
- 14. Remove plate containing eluate. Add 50 ul 1% HCl in MeOH,
- 15. Place on SPE Dry and evaporate to dryness at approx. 35°C.  
*SPE Dry ID: 66819*
- 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 limits:

Amphetamine 5-500 dropped 8 due to accuracy  
Benzoylcegonine ~~50-1000~~ dropped cal 1,2 and 3 due to poor response on qualifier peak. 25-1000  
Buprenorphine 2.5-100 dropped cal 1 and 2 due to poor peak shape  
Chlorpheniramine 25-1000 dropped cal 1 and 2 due to poor response on qualifier peak.  
Duloxetine 25-1000 dropped cal 1 and 2 due to poor peak shape  
Lorazepam 5-500 dropped cal 8 due to accuracy  
MDA 5-500 dropped cal 8 due to accuracy  
Meprobamate 5-500 dropped cal 8 due to accuracy  
Norbuprenorphine 2.5-100 dropped cal 1 and 2 due to poor peak shape  
Phentermine 10-1000 dropped cal 1 due to poor response on qualifier ion.

*Did not evaluate: Norhydrocodone due to rising ratios, and oxymorphone due to interfering peak or split peak.*



**Idaho State Police  
Forensic Services**

**Request for Departure from an Analytical Method or Quality Standard**

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Deviation Number (assigned by QM): TOX-22-01

Date of Request: **2/3/2022**

Requestor/Discipline: Celena Shrum/Toxicology

Analytical Method/Quality Standard, Revision #: AM #25, AM #28, AM #29, Revision 13

Temporary or Permanent Deviation: Permanent

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**Scope of Deviation** (record specific information, e.g. affected programs, evidence types, expected end date; etc): Deviation will remain in place until the change is made in the next method revision.

**Deviation Request** (Describe detailed instructions of the changes being made; include reference to specific section number(s) in the method manual): 4.1.4 (Place plate on shaking incubator at approximately 900 rpm for approximately 15 minutes) of AM #25, AM # 28, and AM #29 is being removed. The removal of this step was tested in the validation "Addition of Compounds/Modifications for the MDS" (approved on 2/2/2022) and it was determined that that step is not necessary and can be removed.

**Technical Justification for Analytical Method Deviations:** Refer to validation "Addition of Compounds/Modifications for the MDS" (approved on 2/2/2022)

**Technical Review**

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Departure approved  
Comments:

Departure Not Approved  
Comments:

Approver: Rachel Cutler  
Title: Laboratory Manager



Date: 2/10/2022

**Quality Review**

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Quality Approver: Jason Crowe  
Title: Quality Manager  
Date: 2/10/2022



|   | 1           | 2              | 3      | 4              | 5 | 6 | 7 | 8 | 9 | 10 | 11     | 12 |
|---|-------------|----------------|--------|----------------|---|---|---|---|---|----|--------|----|
| A | IS + Cal. 1 | IS + QC_1      | 2490-1 | negative urine |   |   |   |   |   |    | 2514-1 |    |
| B | IS + Cal. 2 | IS + QC_2      | 2515-1 |                |   |   |   |   |   |    | 2516-1 |    |
| C | IS + Cal. 3 | IS + QC 3      | 2492-1 |                |   |   |   |   |   |    |        |    |
| D | IS + Cal. 4 | IS + QC_4      | 2493-1 |                |   |   |   |   |   |    |        |    |
| E | IS + Cal. 5 | urine QC2      | 2512-2 |                |   |   |   |   |   |    |        |    |
| F | IS + Cal. 6 | negative blood | 2556-1 |                |   |   |   |   |   |    |        |    |
| G | IS + Cal. 7 | 2489-1         | 2517-1 |                |   |   |   |   |   |    |        |    |
| H | IS + Cal. 8 | 2487-1         | 2528-1 |                |   |   |   |   |   |    |        |    |

blank in front

plate position 2

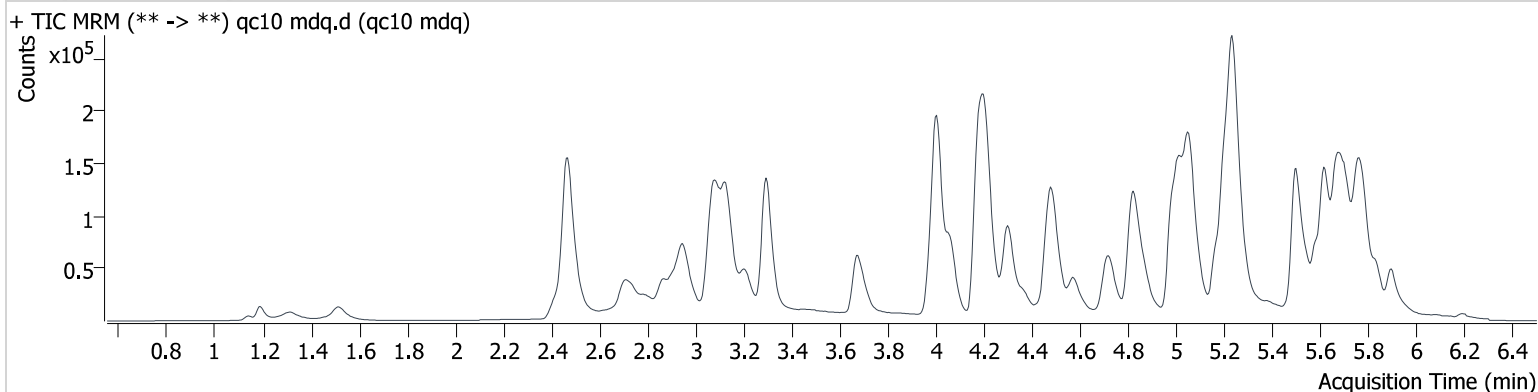
c2022-\_\_-\_\_

# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\am 27-28\111822\QuantResults\mdq.batch.bin  
**Calibration Last Update** 11/21/2022 1:39:24 PM

**Instrument** 69679 **Data File** qc10 mdq.d  
**Type** QC **Sample** qc10 mdq  
**Acq. Method** mdqp1 1-21-21long.m **Operator** Anne Nord  
**Sample Position** P2-A2 **Comment**  
**Injection Volume** 1  
**Acq. Date-Time** 11/18/2022 1:04:39 PM  
**Sample Info.**

## Sample Chromatogram



| Name                | RT    | Resp.  | S/N       | Ratio             | S/N     | ISTD Resp. | Final Conc.  |
|---------------------|-------|--------|-----------|-------------------|---------|------------|--------------|
| 6-MAM               | 3.067 | 795    | 5139.1    | 157.35            | 17752.2 | 19947      | 1.037 ng/ml  |
| 7-aminoclonazepam   | 4.191 | 12645  | 1163.5    | 122.87            | 1122.9  | 66276      | 10.634 ng/ml |
| a-hydroxyalprazolam | 5.639 | 2718   | 4633.1    | 73.96             | 2523.0  | 108856     | 9.524 ng/ml  |
| alpha-PHP           | 4.874 | 14344  | 454.1     | 241.44            | 19460.2 | 181687     | 10.305 ng/ml |
| alpha-PVP           | 4.306 | 50556  | 14677.8   | 54.14             | 1149.9  | 181687     | 10.052 ng/ml |
| Alprazolam          | 5.718 | 24777  | 1046.6    | 96.27             | 1051.1  | 88026      | 10.334 ng/ml |
| Amphetamine         | 2.949 | 41333  | 3281.2    | 276.63            | 1364.6  | 112426     | 10.389 ng/ml |
| Buprenorphine       | 5.664 | 1272   | 141.0     | 11.03 <b>Low</b>  | 278.3   | 16536      | 0.742 ng/ml  |
| Bupropion           | 4.730 | 43601  | 4326.5    | 76.31             | 7085.0  | 126948     | 9.695 ng/ml  |
| Carisoprodol        | 5.674 | 19909  | 28231.2   | 68.55             | 670.4   | 57590      | 9.939 ng/ml  |
| Chlordiazepoxide    | 5.787 | 11416  | 274.4     | 37.24             | 18.9    | 143646     | 9.796 ng/ml  |
| Chlorpheniramine    | 5.058 | 79398  | 1718.6    | 0.20              | 39.9    | 263677     | 11.858 ng/ml |
| Citalopram          | 5.170 | 36252  | 1016.4    | 38.85             | 2414.3  | 135397     | 10.002 ng/ml |
| Clonazepam          | 5.556 | 16191  | 5389.6    | 32.93             | ∞       | 30792      | 10.284 ng/ml |
| Clonazolam          | 5.497 | 11076  | 8047.1    | 39.68             | 1685.3  | 30792      | 9.396 ng/ml  |
| Cocaine             | 4.210 | 36524  | 2528.2    | 51.41             | 4582.6  | 290078     | 10.129 ng/ml |
| Codeine             | 2.488 | 4640   | 960.9     | 99.05             | 595.0   | 20990      | 9.875 ng/ml  |
| Cyclobenzaprine     | 5.585 | 43083  | 46955.8   | 8.89              | 180.0   | 131656     | 10.125 ng/ml |
| Dextromethorphan    | 5.208 | 27664  | 12417.2   | 78.95             | 1486.3  | 121749     | 11.108 ng/ml |
| Dextrorphan         | 4.065 | 29694  | 10509.3   | 43.28             | 923.2   | 134024     | 10.344 ng/ml |
| Diazepam            | 5.901 | 17337  | 2621.4    | 83.70             | 758.7   | 76204      | 9.599 ng/ml  |
| Dihydrocodeine      | 2.452 | 10869  | 325.3     | 66.01             | 204.5   | 64133      | 10.500 ng/ml |
| Diphenhydramine     | 5.240 | 117051 | 3710.7    | 32.74             | 14057.7 | 527975     | 9.894 ng/ml  |
| DMT                 | 2.744 | 9670   | 217.4     | 70.16             | 142.5   | 32871      | 9.617 ng/ml  |
| Doxylamine          | 4.487 | 93382  | 4725.9    | 93.50             | 4054.2  | 293821     | 10.086 ng/ml |
| Duloxetine          | 5.615 | 7098   | 168.9     | 15.35 <b>High</b> | 29.2    | 19648      | 10.525 ng/ml |
| EDDP                | 5.202 | 51119  | 3740.2    | 41.77             | ∞       | 226460     | 10.112 ng/ml |
| Etizolam            | 5.764 | 2880   | 5724.9    | 467.60            | 14893.4 | 76204      | 9.133 ng/ml  |
| Fentanyl            | 5.036 | 4562   | 299.8     | 112.88            | 1749.7  | 193578     | 0.972 ng/ml  |
| Flualprazolam       | 5.645 | 11337  | 1381804.0 | 97.93             | ∞       | 88026      | 10.010 ng/ml |
| Fluorofentanyl      | 5.092 | 3040   | 370.2     | 146.17            | 62.6    | 1851       | 0.973 ng/ml  |
| Fluoxetine          | 5.677 | 49201  | 2585.8    | 7.33              | 2452.4  | 141032     | 10.186 ng/ml |
| Hydrocodone         | 2.941 | 18421  | 1388.4    | 39.61             | 302.6   | 94695      | 10.631 ng/ml |

# AM #28 Multi-Drug Quant. Results

| Name                   | RT    | Resp.  | S/N     | Ratio  | S/N     | ISTD Resp. | Final Conc.  |
|------------------------|-------|--------|---------|--------|---------|------------|--------------|
| Hydromorphone          | 1.522 | 11939  | 492.2   | 78.74  | 251.5   | 37065      | 9.734 ng/ml  |
| Hydroxyzine            | 5.659 | 20732  | 9149.4  | 116.63 | 893.3   | 284683     | 10.411 ng/ml |
| Ketamine               | 3.994 | 33537  | 5404.0  | 36.11  | 1250.9  | 144098     | 10.071 ng/ml |
| Lamotrigine            | 4.218 | 3296   | 2913.0  | 97.84  | 579.9   | 132559     | 10.867 ng/ml |
| Lorazepam              | 5.692 | 14728  | 1053.1  | 47.01  | 346.5   | 108856     | 10.268 ng/ml |
| MDA                    | 3.111 | 53896  | 2813.9  | 29.77  | 424.9   | 132559     | 10.736 ng/ml |
| MDMA                   | 3.213 | 32063  | 3193.4  | 109.56 | 1605.4  | 32871      | 9.756 ng/ml  |
| Meprobamate            | 4.829 | 16132  | 1544.5  | 33.17  | 695.0   | 45096      | 10.826 ng/ml |
| Methadone              | 5.619 | 60904  | 2134.8  | 62.94  | 3053.3  | 222149     | 9.761 ng/ml  |
| Methamphetamine        | 3.132 | 157373 | 538.7   | 37.49  | 1398.8  | 301157     | 8.285 ng/ml  |
| Metoprolol             | 4.273 | 8343   | 8006.6  | 94.52  | 1321.4  | 383735     | 9.805 ng/ml  |
| Mirtazapine            | 4.574 | 67534  | 4385.4  | 49.89  | 3525.8  | 32871      | 9.733 ng/ml  |
| Mitragynine            | 5.168 | 11720  | 51265.0 | 30.06  | 6855.0  | 383735     | 8.268 ng/ml  |
| Morphine               | 1.141 | 1679   | 344.3   | 30.18  | 99.1    | 1495       | 10.485 ng/ml |
| Norbuprenorphine       | 4.942 | 289    | 547.9   |        |         | 4167       | 0.647 ng/ml  |
| Nordiazepam            | 5.840 | 16873  | 1317.1  | 61.88  | ∞       | 52287      | 10.259 ng/ml |
| Norfentanyl            | 4.020 | 1368   | 285.6   | 248.43 | 398.4   | 278956     | 0.927 ng/ml  |
| Noroxycodone           | 2.813 | 13578  | 780.7   | 51.85  | 250.6   | 43531      | 9.845 ng/ml  |
| O-desmethyl-tramadol   | 3.299 | 73125  | 12270.6 | 6.49   | 557.4   | 291816     | 10.226 ng/ml |
| O-Desmethylvenlafaxine | 4.013 | 19024  | 157.0   | 263.38 | 491.9   | 61913      | 10.157 ng/ml |
| Olanzapine             | 4.439 | 23683  | 89.5    | 43.45  | 126.9   | 46905      | 11.066 ng/ml |
| Oxazepam               | 5.699 | 25859  | 313.6   | 68.04  | 154.1   | 108856     | 10.085 ng/ml |
| Oxycodone              | 2.736 | 29237  | 1445.0  | 34.89  | 782.4   | 108789     | 9.232 ng/ml  |
| Phentermine            | 3.709 | 14988  | 37.0    | 12.17  | 168.3   | 168001     | 9.755 ng/ml  |
| Promethazine           | 5.500 | 59100  | 5027.2  | 40.76  | 6772.3  | 284683     | 9.981 ng/ml  |
| Pseudoephedrine        | 2.476 | 89896  | 1554.0  | 17.71  | 1541.8  | 383735     | 9.700 ng/ml  |
| Quetiapine             | 5.492 | 28504  | 1233.7  | 64.59  | 50039.8 | 41028      | 10.093 ng/ml |
| Sertraline             | 5.740 | 15579  | ∞       | 106.38 | 3755.1  | 61436      | 9.836 ng/ml  |
| Temazepam              | 5.761 | 49182  | 2425.9  | 26.53  | 214.2   | 208658     | 9.906 ng/ml  |
| Tramadol               | 4.187 | 85223  | ∞       | 3.76   | 143.7   | 340510     | 10.153 ng/ml |
| Trazodone              | 5.061 | 42880  | 40274.6 | 82.71  | 2019.8  | 168273     | 10.256 ng/ml |
| Venlafaxine            | 4.986 | 53834  | 3850.7  | 48.65  | 976.8   | 266151     | 9.983 ng/ml  |
| Zolpidem               | 4.836 | 72717  | 26586.6 | 26.09  | 4284.5  | 289300     | 9.793 ng/ml  |

# AM #28 Multi-Drug Quant. Results

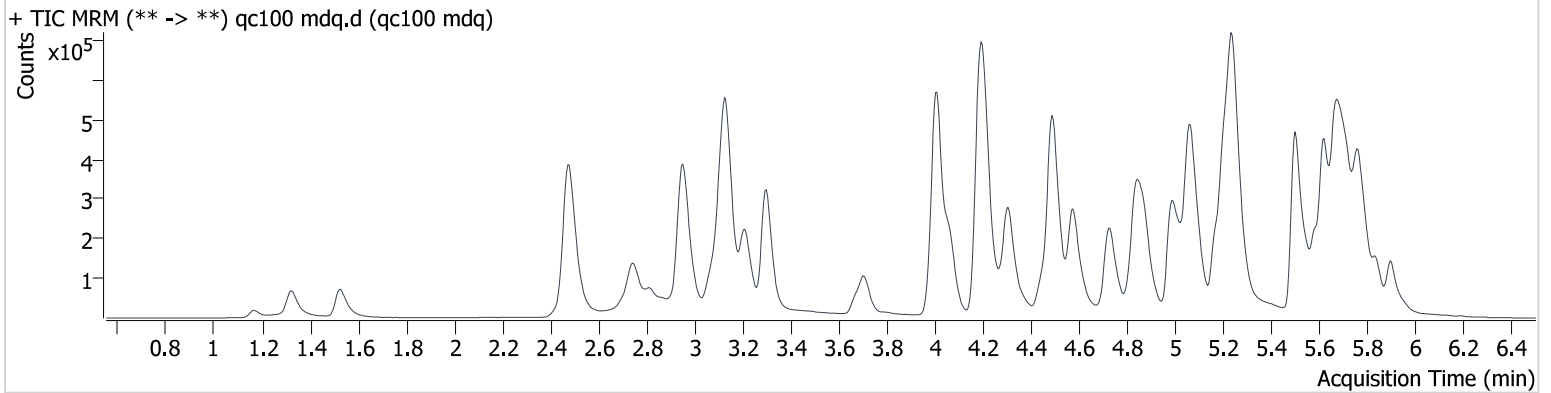
## Batch results

D:\MassHunter\Data\2022\am 27-28\111822\QuantResults\mdq.batch.bin

Calibration Last Update 11/21/2022 1:39:24 PM

|                         |                       |                  |             |
|-------------------------|-----------------------|------------------|-------------|
| <b>Instrument</b>       | 69679                 | <b>Data File</b> | qc100 mdq.d |
| <b>Type</b>             | QC                    | <b>Sample</b>    | qc100 mdq   |
| <b>Acq. Method</b>      | mdqp1 1-21-21long.m   | <b>Operator</b>  | Anne Nord   |
| <b>Sample Position</b>  | P2-B2                 | <b>Comment</b>   |             |
| <b>Injection Volume</b> | 1                     |                  |             |
| <b>Acq. Date-Time</b>   | 11/18/2022 4:22:30 PM |                  |             |
| <b>Sample Info.</b>     |                       |                  |             |

## Sample Chromatogram



| Name                | RT    | Resp.  | S/N      | Ratio  | S/N       | ISTD Resp. | Final Conc.   |
|---------------------|-------|--------|----------|--------|-----------|------------|---------------|
| 6-MAM               | 3.067 | 7011   | 27523.8  | 132.94 | ∞         | 16793      | 10.228 ng/ml  |
| 7-aminoclonazepam   | 4.191 | 85414  | 6290.9   | 124.23 | 1446.5    | 45467      | 109.447 ng/ml |
| a-hydroxyalprazolam | 5.639 | 21626  | ∞        | 64.25  | ∞         | 85187      | 100.000 ng/ml |
| alpha-PHP           | 4.874 | 121788 | 14295.0  | 253.66 | 112441.6  | 154333     | 101.754 ng/ml |
| alpha-PVP           | 4.311 | 426881 | 35970.0  | 55.10  | 10700.2   | 154333     | 98.027 ng/ml  |
| Alprazolam          | 5.718 | 200045 | 1056.2   | 96.12  | 8414.0    | 70267      | 100.391 ng/ml |
| Amphetamine         | 2.954 | 313463 | 4807.1   | 266.78 | 4771.0    | 91736      | 111.038 ng/ml |
| Benzoylcegonine     | 3.802 | 8425   | 2957.1   | 44.21  | 182.5     | 2804       | 104.418 ng/ml |
| Buprenorphine       | 5.674 | 12166  | ∞        | 14.08  | 2322.8    | 16044      | 10.483 ng/ml  |
| Bupropion           | 4.730 | 371662 | 447547.4 | 73.18  | 20372.5   | 112786     | 95.751 ng/ml  |
| Carisoprodol        | 5.674 | 162486 | 509190.4 | 66.49  | 1903.7    | 48385      | 98.090 ng/ml  |
| Chlordiazepoxide    | 5.787 | 93263  | 1654.8   | 35.41  | 148.5     | 116180     | 106.927 ng/ml |
| Chlorpheniramine    | 5.058 | 677717 | 39534.2  | 0.24   | 183.0     | 237445     | 106.247 ng/ml |
| Citalopram          | 5.170 | 318086 | 8267.4   | 36.88  | 1530630.8 | 113300     | 104.331 ng/ml |
| Clonazepam          | 5.556 | 129729 | 2454.3   | 38.40  | 81245.2   | 24891      | 101.562 ng/ml |
| Clonazolam          | 5.497 | 93634  | 38763.7  | 42.51  | 21392.0   | 24891      | 102.191 ng/ml |
| Cocaine             | 4.210 | 301002 | ∞        | 51.20  | 168057.0  | 244099     | 100.184 ng/ml |
| Codeine             | 2.493 | 38524  | 3528.9   | 97.79  | 5758.6    | 17404      | 104.838 ng/ml |
| Cyclobenzaprine     | 5.585 | 359385 | ∞        | 8.51   | ∞         | 113085     | 96.347 ng/ml  |
| Dextromethorphan    | 5.213 | 238383 | ∞        | 75.67  | 2983192.8 | 107611     | 98.561 ng/ml  |
| Dextrorphan         | 4.065 | 263222 | 301823.4 | 44.60  | 383890.4  | 120331     | 102.069 ng/ml |
| Diazepam            | 5.901 | 144730 | 6137.2   | 86.47  | ∞         | 61681      | 99.761 ng/ml  |
| Dihydrocodeine      | 2.457 | 91575  | 3122.8   | 65.67  | 6584.5    | 54613      | 108.167 ng/ml |
| Diphenhydramine     | 5.245 | 995578 | 104523.3 | 33.03  | 20607.9   | 443975     | 99.336 ng/ml  |
| DMT                 | 2.749 | 77791  | 1172.4   | 70.03  | 1077.9    | 26794      | 101.694 ng/ml |
| Doxylamine          | 4.492 | 792811 | 52853.6  | 93.03  | 43587.7   | 242589     | 104.613 ng/ml |
| Duloxetine          | 5.615 | 55310  | 1485.6   | 10.12  | 120.9     | 14084      | 106.098 ng/ml |
| EDDP                | 5.207 | 455689 | 67774.3  | 40.54  | ∞         | 202001     | 100.216 ng/ml |
| Etizolam            | 5.759 | 26714  | 25046.0  | 387.78 | 412749.3  | 61681      | 110.530 ng/ml |
| Fentanyl            | 5.041 | 36384  | 657.9    | 117.66 | 113424.9  | 162619     | 10.545 ng/ml  |
| Flualprazolam       | 5.650 | 94223  | ∞        | 95.53  | ∞         | 70267      | 111.240 ng/ml |
| Fluorofentanyl      | 5.092 | 28492  | 148.6    | 122.56 | 558.1     | 1731       | 9.004 ng/ml   |
| Fluoxetine          | 5.677 | 384905 | 83248.3  | 6.13   | 20620.9   | 114794     | 100.812 ng/ml |

# AM #28 Multi-Drug Quant. Results

| Name                   | RT    | Resp.  | S/N                   | Ratio  | S/N       | ISTD Resp. | Final Conc.   |
|------------------------|-------|--------|-----------------------|--------|-----------|------------|---------------|
| Hydrocodone            | 2.941 | 146869 | 38702.6               | 40.57  | 3487.9    | 80417      | 107.234 ng/ml |
| Hydromorphone          | 1.527 | 118128 | 4342.7                | 72.84  | 395.0     | 35686      | 102.085 ng/ml |
| Hydroxyzine            | 5.659 | 176150 | 1574.5                | 116.57 | 7684.3    | 238505     | 104.048 ng/ml |
| Ketamine               | 3.994 | 281617 | 105131.1              | 35.21  | 5500.5    | 121549     | 104.598 ng/ml |
| Lamotrigine            | 4.218 | 26257  | ∞                     | 91.77  | 96529.6   | 115012     | 104.060 ng/ml |
| Lorazepam              | 5.692 | 111282 | ∞                     | 50.79  | ∞         | 85187      | 104.333 ng/ml |
| MDA                    | 3.111 | 448350 | 21981.4               | 28.81  | 4780.0    | 115012     | 106.008 ng/ml |
| MDMA                   | 3.213 | 272791 | 199794.3              | 106.12 | 39447.9   | 26794      | 102.546 ng/ml |
| Meprobamate            | 4.829 | 129410 | 14613.1               | 33.20  | 923.8     | 39536      | 102.626 ng/ml |
| Methadone              | 5.619 | 531210 | ∞                     | 60.01  | 20120.5   | 198255     | 96.702 ng/ml  |
| Methamphetamine        | 3.132 | 743359 | 8602.7                | 38.12  | ∞         | 262958     | 113.900 ng/ml |
| Metoprolol             | 4.273 | 69368  | 82615.6               | 94.13  | ∞         | 313398     | 100.593 ng/ml |
| Mirtazapine            | 4.574 | 563754 | 402965.8              | 49.24  | 1168499.4 | 26794      | 96.339 ng/ml  |
| Mitragynine            | 5.173 | 102720 | 11853.4               | 30.52  | 19926.5   | 313398     | 91.266 ng/ml  |
| Morphine               | 1.171 | 16676  | 5510.5                | 28.96  | 662.9     | 1539       | 102.390 ng/ml |
| Norbuprenorphine       | 4.937 | 2452   | 2081.2                | 93.13  | ∞         | 3254       | 11.398 ng/ml  |
| Nordiazepam            | 5.840 | 139930 | ∞                     | 59.49  | 9914.3    | 43504      | 102.147 ng/ml |
| Norfentanyl            | 4.025 | 8783   | 1108.2                | 270.09 | 1159.3    | 226990     | 9.426 ng/ml   |
| Noroxycodone           | 2.818 | 116437 | 1465.0                | 52.44  | 1817.7    | 37153      | 100.013 ng/ml |
| O-desmethyl-tramadol   | 3.299 | 623214 | 1301266763<br>51915.0 | 6.49   | 33355.2   | 247550     | 102.713 ng/ml |
| O-Desmethylvenlafaxine | 4.008 | 163856 | 539.4                 | 253.10 | 35242.2   | 52900      | 105.559 ng/ml |
| Olanzapine             | 4.444 | 186506 | 220.7                 | 41.46  | 879.5     | 41885      | 98.570 ng/ml  |
| Oxazepam               | 5.699 | 204417 | 926972.9              | 65.30  | 3540.5    | 85187      | 104.580 ng/ml |
| Oxycodone              | 2.741 | 254629 | 29311.3               | 32.73  | 4121.2    | 93164      | 99.027 ng/ml  |
| Phentermine            | 3.709 | 132984 | 1972.6                | 10.04  | 360.1     | 141764     | 115.575 ng/ml |
| Promethazine           | 5.500 | 529107 | 56754.3               | 39.97  | 18851.9   | 238505     | 103.959 ng/ml |
| Pseudoephedrine        | 2.481 | 752012 | 1076056191.<br>7      | 17.41  | 9567.1    | 313398     | 98.875 ng/ml  |
| Quetiapine             | 5.492 | 250648 | 673597.3              | 60.61  | 185213.0  | 33965      | 108.507 ng/ml |
| Sertraline             | 5.740 | 118888 | ∞                     | 101.69 | 7405.7    | 48234      | 97.797 ng/ml  |
| Temazepam              | 5.761 | 401304 | 76650.6               | 28.26  | 599.7     | 169307     | 102.628 ng/ml |
| Tramadol               | 4.187 | 719585 | ∞                     | 3.41   | 354.1     | 294812     | 99.787 ng/ml  |
| Trazodone              | 5.066 | 345835 | 39501.3               | 80.75  | 7259.8    | 135131     | 103.926 ng/ml |
| Venlafaxine            | 4.986 | 464674 | 28592.8               | 49.03  | 2652.2    | 234229     | 95.648 ng/ml  |
| Zolpidem               | 4.841 | 626015 | 61316.7               | 26.16  | 5832.7    | 250415     | 99.717 ng/ml  |

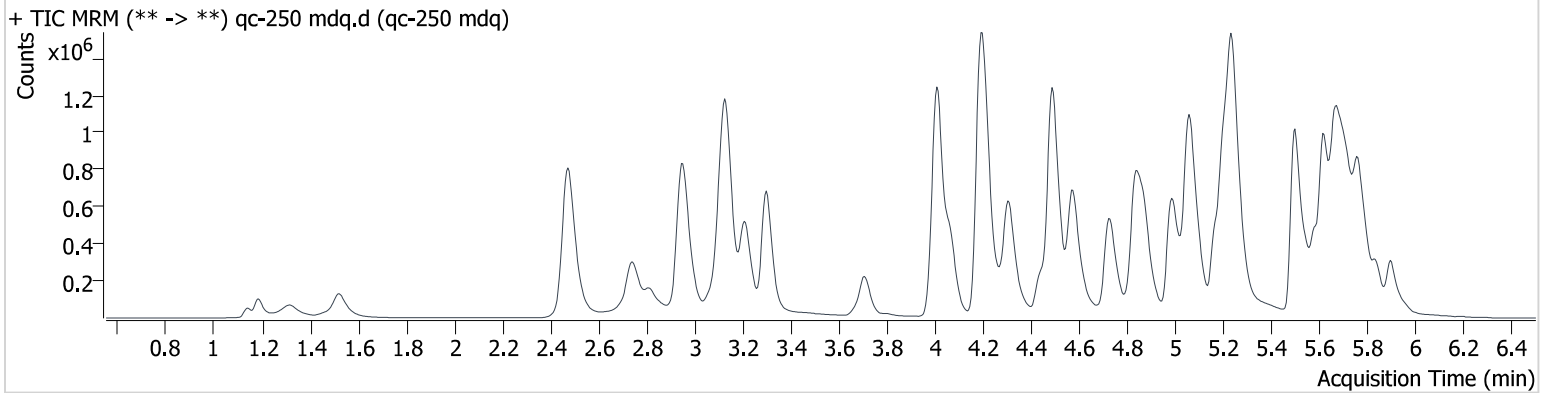


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\am 27-28\111822\QuantResults\mdq.batch.bin  
**Calibration Last Update** 11/21/2022 1:39:24 PM

|                         |                       |                  |              |
|-------------------------|-----------------------|------------------|--------------|
| <b>Instrument</b>       | 69679                 | <b>Data File</b> | qc-250 mdq.d |
| <b>Type</b>             | QC                    | <b>Sample</b>    | qc-250 mdq   |
| <b>Acq. Method</b>      | mdqp1 1-21-21long.m   | <b>Operator</b>  | Anne Nord    |
| <b>Sample Position</b>  | P2-C2                 | <b>Comment</b>   |              |
| <b>Injection Volume</b> | 1                     |                  |              |
| <b>Acq. Date-Time</b>   | 11/18/2022 1:13:40 PM |                  |              |

## Sample Chromatogram



| Name                | RT    | Resp.   | S/N       | Ratio  | S/N      | ISTD Resp. | Final Conc.   |
|---------------------|-------|---------|-----------|--------|----------|------------|---------------|
| 6-MAM               | 3.067 | 18256   | 38115.1   | 131.91 | 340972.3 | 17705      | 25.166 ng/ml  |
| 7-aminoclonazepam   | 4.191 | 197678  | ∞         | 126.23 | 60506.4  | 44169      | 261.479 ng/ml |
| a-hydroxyalprazolam | 5.639 | 47893   | 943.2     | 66.60  | 708.1    | 76856      | 245.968 ng/ml |
| alpha-PHP           | 4.874 | 305347  | 15278.9   | 255.08 | 14298.7  | 156831     | 250.850 ng/ml |
| alpha-PVP           | 4.311 | 1096013 | 1464957.9 | 54.45  | 42710.5  | 156831     | 247.348 ng/ml |
| Alprazolam          | 5.718 | 481865  | 3273.4    | 95.42  | 7613.3   | 68045      | 249.042 ng/ml |
| Amphetamine         | 2.954 | 727538  | 22185.7   | 262.70 | 40282.5  | 93885      | 254.032 ng/ml |
| Benzoylcegonine     | 3.802 | 20366   | 1442.1    | 46.97  | 315.2    | 2841       | 248.328 ng/ml |
| Buprenorphine       | 5.669 | 29963   | 1386.4    | 13.71  | 1239.8   | 17310      | 24.390 ng/ml  |
| Bupropion           | 4.730 | 944975  | 44926.8   | 74.11  | 18798.4  | 116028     | 237.118 ng/ml |
| Carisoprodol        | 5.674 | 354508  | 794755.3  | 65.39  | 12658.5  | 40410      | 256.533 ng/ml |
| Chlordiazepoxide    | 5.787 | 215985  | 12286.3   | 38.46  | 79.4     | 112830     | 256.196 ng/ml |
| Chlorpheniramine    | 5.058 | 1762933 | 45401.8   | 0.26   | 279.0    | 249925     | 261.511 ng/ml |
| Citalopram          | 5.170 | 764665  | 14634.9   | 38.12  | 42796.0  | 109091     | 260.399 ng/ml |
| Clonazepam          | 5.556 | 318969  | 12559.7   | 36.19  | 3371.3   | 24591      | 252.703 ng/ml |
| Clonazolam          | 5.497 | 226559  | 86495.8   | 41.96  | 12989.7  | 24591      | 250.885 ng/ml |
| Cocaine             | 4.210 | 762622  | 180979.8  | 50.63  | 35665.8  | 246650     | 251.371 ng/ml |
| Codeine             | 2.488 | 94553   | 5895.5    | 93.89  | 10242.0  | 16847      | 266.825 ng/ml |
| Cyclobenzaprine     | 5.585 | 889026  | 147041.0  | 8.03   | 1387.7   | 107525     | 250.296 ng/ml |
| Dextromethorphan    | 5.208 | 594704  | 28915.1   | 73.92  | ∞        | 100903     | 260.382 ng/ml |
| Dextrorphan         | 4.065 | 670304  | ∞         | 42.86  | 16881.1  | 121052     | 258.364 ng/ml |
| Diazepam            | 5.901 | 364630  | ∞         | 86.95  | 6416.1   | 60050      | 258.288 ng/ml |
| Dihydrocodeine      | 2.452 | 226725  | 20386.7   | 65.87  | 3214.4   | 55506      | 264.181 ng/ml |
| Diphenhydramine     | 5.240 | 2498555 | 71690.4   | 33.43  | ∞        | 448565     | 246.627 ng/ml |
| DMT                 | 2.744 | 193105  | 4209.9    | 70.54  | 1049.1   | 27644      | 245.754 ng/ml |
| Doxylamine          | 4.487 | 2069244 | 48995.2   | 93.25  | 94193.5  | 260438     | 254.465 ng/ml |
| Duloxetine          | 5.615 | 130212  | 4596.6    | 10.82  | 693.0    | 14009      | 249.978 ng/ml |
| EDDP                | 5.207 | 1143557 | 38744.6   | 40.74  | 792663.6 | 203737     | 249.212 ng/ml |
| Etizolam            | 5.764 | 62961   | 97305.4   | 402.22 | 178101.9 | 60050      | 268.368 ng/ml |
| Fentanyl            | 5.036 | 89020   | 10588.2   | 125.13 | 9527.7   | 166976     | 25.342 ng/ml  |
| Flualprazolam       | 5.650 | 206387  | 2842.6    | 101.27 | ∞        | 68045      | 252.562 ng/ml |
| Fluorofentanyl      | 5.092 | 74896   | 61676.0   | 123.74 | 786.0    | 1622       | 25.118 ng/ml  |
| Fluoxetine          | 5.677 | 885254  | 248515.3  | 6.20   | 27400.5  | 104776     | 254.541 ng/ml |

# AM #28 Multi-Drug Quant. Results

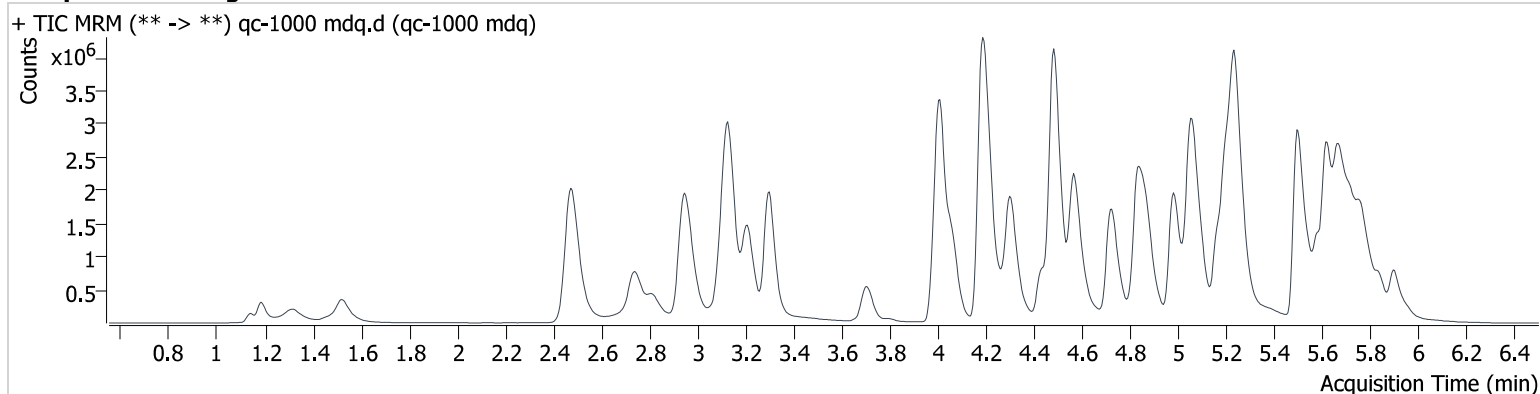
| Name                   | RT    | Resp.   | S/N       | Ratio  | S/N       | ISTD Resp. | Final Conc.   |
|------------------------|-------|---------|-----------|--------|-----------|------------|---------------|
| Hydrocodone            | 2.941 | 341556  | 4942.0    | 39.74  | 4007.6    | 79912      | 252.141 ng/ml |
| Hydromorphone          | 1.522 | 290255  | 1085.6    | 77.80  | 587.2     | 34753      | 257.905 ng/ml |
| Hydroxyzine            | 5.659 | 436707  | 201191.8  | 119.48 | 2600.2    | 240278     | 255.802 ng/ml |
| Ketamine               | 3.994 | 694087  | 109133.4  | 36.37  | 10205.4   | 118900     | 264.277 ng/ml |
| Lamotrigine            | 4.223 | 61826   | 4503.6    | 94.10  | 71160.7   | 109831     | 257.352 ng/ml |
| Lorazepam              | 5.692 | 233422  | 37456.8   | 50.35  | ∞         | 76856      | 243.364 ng/ml |
| MDA                    | 3.111 | 1030569 | 33340.6   | 28.67  | 7828.2    | 109831     | 255.667 ng/ml |
| MDMA                   | 3.213 | 690522  | 133073.4  | 107.16 | 30416.2   | 27644      | 251.707 ng/ml |
| Meprobamate            | 4.829 | 300665  | 13245.4   | 32.39  | 2341.2    | 37122      | 254.593 ng/ml |
| Methadone              | 5.619 | 1380102 | 105605.2  | 60.00  | 382402.2  | 197083     | 252.968 ng/ml |
| Methamphetamine        | 3.137 | 1630691 | ∞         | 37.63  | ∞         | 266306     | 264.985 ng/ml |
| Metoprolol             | 4.273 | 170081  | 330514.9  | 99.05  | 3341.8    | 310837     | 248.796 ng/ml |
| Mirtazapine            | 4.574 | 1428869 | 116667.7  | 50.16  | 68322.8   | 27644      | 236.142 ng/ml |
| Mitragynine            | 5.168 | 243856  | 181381.2  | 33.41  | 460151.2  | 310837     | 218.813 ng/ml |
| Morphine               | 1.141 | 41102   | 6667.6    | 29.00  | 5488.6    | 1571       | 247.492 ng/ml |
| Norbuprenorphine       | 4.942 | 6268    | 4221.3    | 94.08  | 19330.2   | 3610       | 26.843 ng/ml  |
| Nordiazepam            | 5.840 | 336657  | ∞         | 57.49  | 20323.7   | 40693      | 262.710 ng/ml |
| Norfentanyl            | 4.030 | 21245   | 1609.9    | 265.55 | 1044.0    | 209746     | 25.170 ng/ml  |
| Noroxycodone           | 2.813 | 282258  | 3013.7    | 52.72  | 2394.7    | 34599      | 260.535 ng/ml |
| O-desmethyl-tramadol   | 3.299 | 1598598 | 833803.3  | 6.45   | 5508.5    | 259071     | 251.747 ng/ml |
| O-Desmethylvenlafaxine | 4.013 | 416209  | 2341.5    | 252.06 | 2217.1    | 53656      | 264.882 ng/ml |
| Olanzapine             | 4.439 | 508002  | 2287.8    | 42.42  | 585.2     | 44369      | 253.651 ng/ml |
| Oxazepam               | 5.699 | 438591  | ∞         | 67.99  | 49001.1   | 76856      | 249.118 ng/ml |
| Oxycodone              | 2.736 | 661011  | 103026.9  | 31.53  | 66207.1   | 93401      | 257.310 ng/ml |
| Phentermine            | 3.709 | 317102  | 12540.5   | 10.53  | 3018.7    | 143891     | 273.362 ng/ml |
| Promethazine           | 5.500 | 1321356 | 3531816.7 | 39.38  | 34022.6   | 240278     | 257.293 ng/ml |
| Pseudoephedrine        | 2.476 | 1887265 | 152861.4  | 17.45  | ∞         | 310837     | 250.103 ng/ml |
| Quetiapine             | 5.492 | 617024  | 249546.6  | 61.91  | 980323.2  | 34247      | 265.105 ng/ml |
| Sertraline             | 5.740 | 289162  | 230279.9  | 101.77 | 3954803.6 | 46830      | 245.376 ng/ml |
| Temazepam              | 5.761 | 949930  | 15822.2   | 27.77  | 1823.9    | 158265     | 260.390 ng/ml |
| Tramadol               | 4.192 | 1810816 | ∞         | 3.39   | 30223.7   | 286506     | 258.532 ng/ml |
| Trazodone              | 5.061 | 876186  | 81864.2   | 82.30  | 26533.6   | 142282     | 250.212 ng/ml |
| Venlafaxine            | 4.986 | 1225638 | 122404.5  | 47.93  | 5953.6    | 241256     | 244.535 ng/ml |
| Zolpidem               | 4.836 | 1617633 | 146690.8  | 25.44  | 6263.2    | 243603     | 265.304 ng/ml |

# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\am 27-28\111822\QuantResults\mdq.batch.bin  
**Calibration Last Update** 11/21/2022 1:39:24 PM

|                         |                       |                  |               |
|-------------------------|-----------------------|------------------|---------------|
| <b>Instrument</b>       | 69679                 | <b>Data File</b> | qc-1000 mdq.d |
| <b>Type</b>             | QC                    | <b>Sample</b>    | qc-1000 mdq   |
| <b>Acq. Method</b>      | mdqp1 1-21-21long.m   | <b>Operator</b>  | Anne Nord     |
| <b>Sample Position</b>  | P2-D2                 | <b>Comment</b>   |               |
| <b>Injection Volume</b> | 1                     |                  |               |
| <b>Acq. Date-Time</b>   | 11/18/2022 1:22:40 PM |                  |               |

## Sample Chromatogram



| Name                | RT    | Resp.   | S/N                    | Ratio  | S/N       | ISTD Resp. | Final Conc.    |
|---------------------|-------|---------|------------------------|--------|-----------|------------|----------------|
| 6-MAM               | 3.062 | 62945   | 828299.2               | 128.28 | 158631.0  | 15366      | 99.775 ng/ml   |
| 7-aminoclonazepam   | 4.185 | 565083  | 100177.6               | 119.96 | 9239.2    | 37072      | 891.866 ng/ml  |
| a-hydroxyalprazolam | 5.634 | 90013   | ∞                      | 65.62  | 1636.5    | 33269      | 1069.124 ng/ml |
| alpha-PHP           | 4.869 | 989555  | 17431.9                | 248.64 | 46153.9   | 127969     | 995.878 ng/ml  |
| alpha-PVP           | 4.306 | 3616083 | 474071.3               | 53.91  | 28040.8   | 127969     | 999.486 ng/ml  |
| Alprazolam          | 5.718 | 1290866 | ∞                      | 96.71  | ∞         | 44693      | 1014.351 ng/ml |
| Amphetamine         | 2.949 | 1961518 | 27495.9                | 250.59 | 87365.7   | 84860      | 761.202 ng/ml  |
| Benzoylcegonine     | 3.797 | 76943   | 7685.2                 | 45.42  | 3654.4    | 2466       | 1079.037 ng/ml |
| Buprenorphine       | 5.669 | 82543   | 2414.8                 | 15.26  | 4154.4    | 12244      | 96.029 ng/ml   |
| Bupropion           | 4.725 | 3239827 | 1526489.1              | 72.19  | 75981.8   | 99849      | 945.632 ng/ml  |
| Carisoprodol        | 5.674 | 677633  | 2307027.9              | 63.53  | 2129.5    | 21129      | 938.310 ng/ml  |
| Chlordiazepoxide    | 5.792 | 485064  | 24751.9                | 39.93  | 5062.9    | 72615      | 896.193 ng/ml  |
| Chlorpheniramine    | 5.053 | 5769951 | 9082.9                 | 0.26   | 1053.2    | 218198     | 978.365 ng/ml  |
| Citalopram          | 5.165 | 2208595 | 68470.5                | 39.39  | 482294.9  | 77926      | 1052.732 ng/ml |
| Clonazepam          | 5.556 | 802701  | 19021.4                | 36.34  | 6258.4    | 16143      | 968.587 ng/ml  |
| Clonazolam          | 5.497 | 572353  | ∞                      | 41.00  | 2664.9    | 16143      | 966.644 ng/ml  |
| Cocaine             | 4.210 | 2293597 | 435423.8               | 50.83  | 288799.8  | 188431     | 989.910 ng/ml  |
| Codeine             | 2.493 | 242906  | 5957.8                 | 97.21  | 4051.3    | 11456      | 1009.899 ng/ml |
| Cyclobenzaprine     | 5.585 | 2752644 | 13006652.7             | 8.46   | ∞         | 83853      | 993.091 ng/ml  |
| Dextromethorphan    | 5.208 | 1646892 | 244100.6               | 74.69  | 3039799.0 | 74113      | 978.635 ng/ml  |
| Dextrorphan         | 4.060 | 2162414 | 5085457.9              | 44.25  | ∞         | 97438      | 1035.457 ng/ml |
| Diazepam            | 5.901 | 1142034 | 4570.9                 | 86.26  | 39146.1   | 46555      | 1043.708 ng/ml |
| Dihydrocodeine      | 2.447 | 674559  | 583.2                  | 67.20  | 19997.3   | 49457      | 883.263 ng/ml  |
| Diphenhydramine     | 5.240 | 7866218 | 1045074.8              | 31.68  | 177800.0  | 334611     | 1040.620 ng/ml |
| DMT                 | 2.744 | 550802  | 2495.4                 | 79.99  | 4832.7    | 21356      | 909.428 ng/ml  |
| Doxylamine          | 4.481 | 7324655 | 1516901541<br>825870.0 | 93.05  | 115294.8  | 234275     | 1001.629 ng/ml |
| Duloxetine          | 5.615 | 332979  | 2904.4                 | 11.55  | 12235.3   | 9877       | 904.403 ng/ml  |
| EDDP                | 5.202 | 3665288 | 4059911.6              | 40.80  | 160924.4  | 166851     | 975.074 ng/ml  |
| Etizolam            | 5.759 | 181723  | 17164.4                | 390.77 | 15723.6   | 46555      | 1000.636 ng/ml |
| Fentanyl            | 5.031 | 284229  | 14059.3                | 122.63 | 212631.5  | 136112     | 99.716 ng/ml   |
| Flualprazolam       | 5.650 | 487081  | 8476.6                 | 95.12  | 4412.3    | 44693      | 909.427 ng/ml  |
| Fluorofentanyl      | 5.092 | 246244  | 4238.4                 | 121.91 | 2047.1    | 1327       | 100.666 ng/ml  |

# AM #28 Multi-Drug Quant. Results

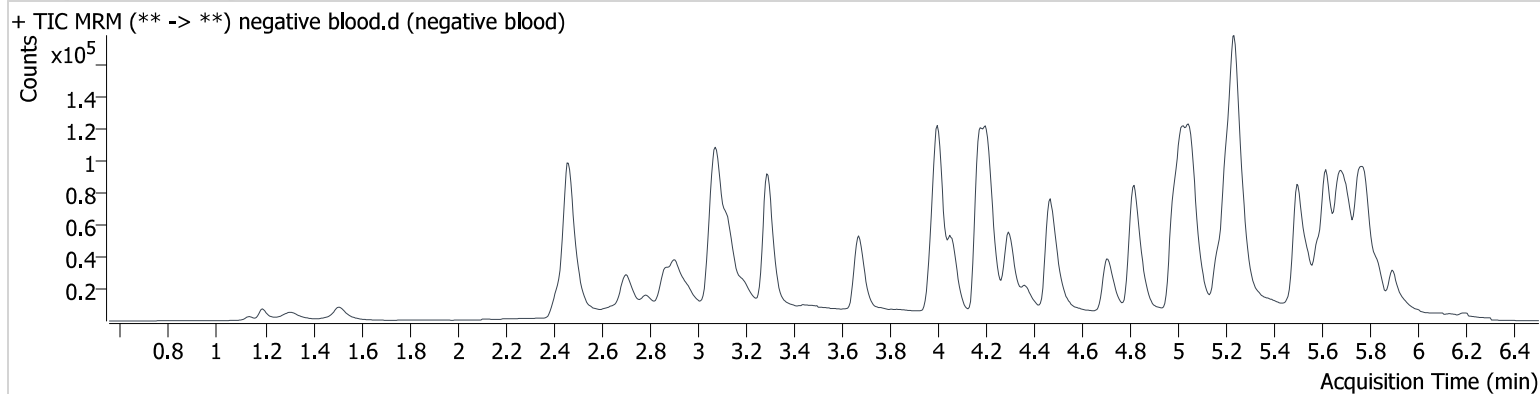
| Name                   | RT    | Resp.   | S/N       | Ratio  | S/N       | ISTD Resp. | Final Conc.    |
|------------------------|-------|---------|-----------|--------|-----------|------------|----------------|
| Fluoxetine             | 5.677 | 2210167 | ∞         | 6.78   | 141263.7  | 64724      | 1029.780 ng/ml |
| Hydrocodone            | 2.936 | 994968  | ∞         | 40.30  | 5254.2    | 62238      | 945.515 ng/ml  |
| Hydromorphone          | 1.522 | 904564  | 3965.3    | 77.69  | 8415.0    | 27263      | 1025.216 ng/ml |
| Hydroxyzine            | 5.659 | 1395132 | 921778.4  | 115.59 | 1067.8    | 191025     | 1027.396 ng/ml |
| Ketamine               | 3.989 | 2006793 | ∞         | 35.70  | 116467.0  | 95104      | 956.550 ng/ml  |
| Lamotrigine            | 4.223 | 156039  | 52350.5   | 93.92  | 40847.7   | 81975      | 871.481 ng/ml  |
| Lorazepam              | 5.692 | 319625  | 26757.5   | 52.24  | 1756.6    | 33269      | 771.136 ng/ml  |
| MDA                    | 3.101 | 2457696 | 352836.1  | 28.28  | 4580.7    | 81975      | 817.687 ng/ml  |
| MDMA                   | 3.208 | 2173174 | 345970.9  | 104.32 | 70845.7   | 21356      | 1025.638 ng/ml |
| Meprobamate            | 4.823 | 715924  | 30834.3   | 32.58  | 4639.9    | 27856      | 808.806 ng/ml  |
| Methadone              | 5.619 | 4492160 | 104836.6  | 56.61  | 41326.2   | 162859     | 996.870 ng/ml  |
| Methamphetamine        | 3.132 | 4948623 | ∞         | 37.37  | 40432.5   | 239191     | 932.563 ng/ml  |
| Metoprolol             | 4.268 | 524946  | 1982177.7 | 96.98  | 52203.4   | 238080     | 1002.819 ng/ml |
| Mirtazapine            | 4.564 | 4776467 | 322160.4  | 50.17  | 247335.0  | 21356      | 1020.606 ng/ml |
| Mitragynine            | 5.163 | 747730  | 69833.5   | 33.70  | 10415.1   | 238080     | 876.767 ng/ml  |
| Morphine               | 1.141 | 111081  | 105017.7  | 30.10  | 3401.5    | 1102       | 953.423 ng/ml  |
| Norbuprenorphine       | 4.937 | 19958   | 96551.1   | 99.68  | 463757.1  | 3092       | 100.991 ng/ml  |
| Nordiazepam            | 5.840 | 922282  | 295278.0  | 58.24  | 41604.6   | 28876      | 1014.197 ng/ml |
| Norfentanyl            | 4.025 | 56571   | 8695.5    | 266.41 | 11855.3   | 133912     | 105.948 ng/ml  |
| Noroxycodone           | 2.813 | 821988  | 5145.9    | 50.62  | ∞         | 27840      | 943.240 ng/ml  |
| O-desmethyl-tramadol   | 3.299 | 5351749 | 173431.5  | 6.36   | 38261.7   | 223145     | 978.476 ng/ml  |
| O-Desmethylvenlafaxine | 4.008 | 1282567 | 17692.5   | 251.11 | 2234.0    | 43279      | 1012.945 ng/ml |
| Olanzapine             | 4.429 | 1725715 | 31548.7   | 44.45  | 1414.0    | 38654      | 989.427 ng/ml  |
| Oxazepam               | 5.699 | 763778  | 14388.0   | 64.41  | ∞         | 33269      | 1003.106 ng/ml |
| Oxycodone              | 2.731 | 1867046 | ∞         | 32.59  | 27955.2   | 80914      | 840.205 ng/ml  |
| Phentermine            | 3.704 | 930243  | 5474.0    | 9.76   | 4794.0    | 125011     | 926.285 ng/ml  |
| Promethazine           | 5.500 | 4612150 | 369488.0  | 36.83  | 303723.0  | 191025     | 1128.683 ng/ml |
| Pseudoephedrine        | 2.476 | 5728332 | ∞         | 17.19  | ∞         | 238080     | 990.965 ng/ml  |
| Quetiapine             | 5.492 | 1877729 | 271482.5  | 60.90  | 1789574.6 | 27673      | 998.804 ng/ml  |
| Sertraline             | 5.740 | 802789  | 1822850.9 | 102.77 | 233372.6  | 32033      | 996.672 ng/ml  |
| Temazepam              | 5.761 | 2160509 | 54672.5   | 29.05  | 4044.3    | 92707      | 1011.977 ng/ml |
| Tramadol               | 4.182 | 5608757 | ∞         | 3.34   | 7495.1    | 230089     | 997.364 ng/ml  |
| Trazodone              | 5.061 | 2584780 | ∞         | 83.21  | 21489.6   | 112689     | 932.246 ng/ml  |
| Venlafaxine            | 4.981 | 4339498 | 183819.5  | 44.16  | 57872.0   | 199343     | 1046.994 ng/ml |
| Zolpidem               | 4.831 | 5264474 | 683195.0  | 26.57  | 40327.3   | 210899     | 998.017 ng/ml  |

# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\am 27-28\111822\QuantResults\mdq.batch.bin  
**Calibration Last Update** 11/21/2022 1:39:24 PM

|                         |                       |                  |                  |
|-------------------------|-----------------------|------------------|------------------|
| <b>Instrument</b>       | 69679                 | <b>Data File</b> | negative blood.d |
| <b>Type</b>             | Sample                | <b>Sample</b>    | negative blood   |
| <b>Acq. Method</b>      | mdqp1 1-21-21long.m   | <b>Operator</b>  | Anne Nord        |
| <b>Sample Position</b>  | P2-F2                 | <b>Comment</b>   |                  |
| <b>Injection Volume</b> | 1                     |                  |                  |
| <b>Acq. Date-Time</b>   | 11/18/2022 1:49:36 PM |                  |                  |
| <b>Sample Info.</b>     |                       |                  |                  |

## Sample Chromatogram

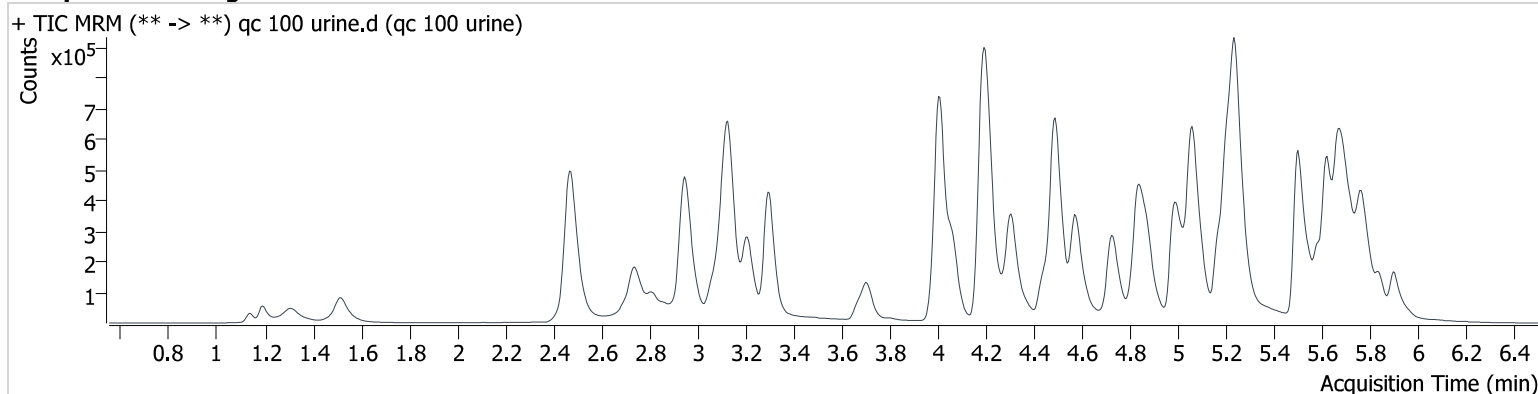


# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\am 27-28\111822\QuantResults\mdq.batch.bin  
**Calibration Last Update** 11/21/2022 1:39:24 PM

|                         |                       |                  |                |
|-------------------------|-----------------------|------------------|----------------|
| <b>Instrument</b>       | 69679                 | <b>Data File</b> | qc 100 urine.d |
| <b>Type</b>             | Sample                | <b>Sample</b>    | qc 100 urine   |
| <b>Acq. Method</b>      | mdqp1 1-21-21long.m   | <b>Operator</b>  | Anne Nord      |
| <b>Sample Position</b>  | P2-E2                 | <b>Comment</b>   |                |
| <b>Injection Volume</b> | 1                     |                  |                |
| <b>Acq. Date-Time</b>   | 11/18/2022 1:40:35 PM |                  |                |
| <b>Sample Info.</b>     |                       |                  |                |

## Sample Chromatogram



| Name                | RT    | Resp.   | S/N      | Ratio  | S/N      | ISTD Resp. | Final Conc.   |
|---------------------|-------|---------|----------|--------|----------|------------|---------------|
| 6-MAM               | 3.067 | 9872    | 19305.0  | 130.09 | 21257.2  | 23972      | 10.091 ng/ml  |
| 7-aminoclonazepam   | 4.191 | 119945  | 3680.3   | 123.97 | 34833.9  | 64053      | 109.095 ng/ml |
| a-hydroxyalprazolam | 5.639 | 23588   | 6688.5   | 65.61  | ∞        | 80830      | 115.004 ng/ml |
| alpha-PHP           | 4.874 | 153008  | 7178.8   | 241.27 | 50656.9  | 196596     | 100.359 ng/ml |
| alpha-PVP           | 4.311 | 541351  | 21270.6  | 55.35  | 8007.8   | 196596     | 97.589 ng/ml  |
| Alprazolam          | 5.718 | 213520  | 2675.1   | 96.94  | 2182.7   | 73392      | 102.581 ng/ml |
| Amphetamine         | 2.949 | 391085  | 8302.9   | 266.73 | 13899.6  | 119672     | 106.119 ng/ml |
| Benzoylcegonine     | 3.797 | 11192   | 13522.9  | 47.88  | 223.2    | 4069       | 95.611 ng/ml  |
| Buprenorphine       | 5.669 | 15691   | 847.9    | 16.77  | 5812.4   | 22163      | 9.764 ng/ml   |
| Bupropion           | 4.725 | 460325  | 84077.4  | 72.71  | 19809.6  | 137114     | 97.558 ng/ml  |
| Carisoprodol        | 5.674 | 174448  | 236965.0 | 67.92  | 803.0    | 52051      | 97.895 ng/ml  |
| Chlordiazepoxide    | 5.792 | 95978   | 17815.5  | 38.09  | 221.1    | 127415     | 100.282 ng/ml |
| Chlorpheniramine    | 5.058 | 869114  | 14545.3  | 0.24   | 182.0    | 306900     | 105.423 ng/ml |
| Citalopram          | 5.170 | 394006  | 12389.7  | 38.58  | 36655.3  | 143179     | 102.265 ng/ml |
| Clonazepam          | 5.551 | 156605  | 30741.0  | 34.93  | 73867.5  | 28200      | 108.215 ng/ml |
| Clonazolam          | 5.497 | 117563  | 53072.7  | 40.47  | 26620.6  | 28200      | 113.297 ng/ml |
| Cocaine             | 4.210 | 380787  | 52639.2  | 50.62  | 24200.4  | 304022     | 101.761 ng/ml |
| Codeine             | 2.488 | 51996   | 22709.1  | 94.42  | 6569.0   | 23330      | 105.562 ng/ml |
| Cyclobenzaprine     | 5.585 | 425143  | 32970.3  | 7.68   | 491.6    | 129856     | 99.248 ng/ml  |
| Dextromethorphan    | 5.213 | 292297  | 54709.6  | 76.78  | 9717.8   | 134513     | 96.704 ng/ml  |
| Dextrorphan         | 4.065 | 344199  | 32186.9  | 44.21  | ∞        | 155187     | 103.491 ng/ml |
| Diazepam            | 5.901 | 174198  | 3923.3   | 86.07  | 5593.4   | 74513      | 99.393 ng/ml  |
| Dihydrocodeine      | 2.452 | 124685  | 1816.7   | 66.85  | 3999.8   | 74863      | 107.434 ng/ml |
| Diphenhydramine     | 5.240 | 1257224 | 116356.5 | 33.25  | 55299.2  | 557496     | 99.898 ng/ml  |
| DMT                 | 2.744 | 98924   | 818.5    | 71.70  | 1844.9   | 34172      | 101.398 ng/ml |
| Doxylamine          | 4.487 | 1039169 | 40729.3  | 93.82  | 12793.6  | 326588     | 101.850 ng/ml |
| Duloxetine          | 5.615 | 70005   | 368.1    | 11.24  | 1311.3   | 20181      | 93.818 ng/ml  |
| EDDP                | 5.207 | 641755  | 29444.3  | 39.28  | 17196.8  | 277520     | 102.728 ng/ml |
| Etizolam            | 5.764 | 28455   | ∞        | 418.81 | 188295.9 | 74513      | 97.391 ng/ml  |
| Fentanyl            | 5.036 | 45386   | 9123.7   | 119.35 | 3482.5   | 209819     | 10.190 ng/ml  |
| Flualprazolam       | 5.650 | 101096  | ∞        | 100.02 | 2811.4   | 73392      | 114.295 ng/ml |
| Fluorofentanyl      | 5.092 | 37595   | 1278.4   | 121.73 | 327.9    | 1972       | 10.419 ng/ml  |
| Fluoxetine          | 5.677 | 415774  | 171313.4 | 6.47   | 59491.4  | 126638     | 98.704 ng/ml  |

# AM #28 Multi-Drug Quant. Results

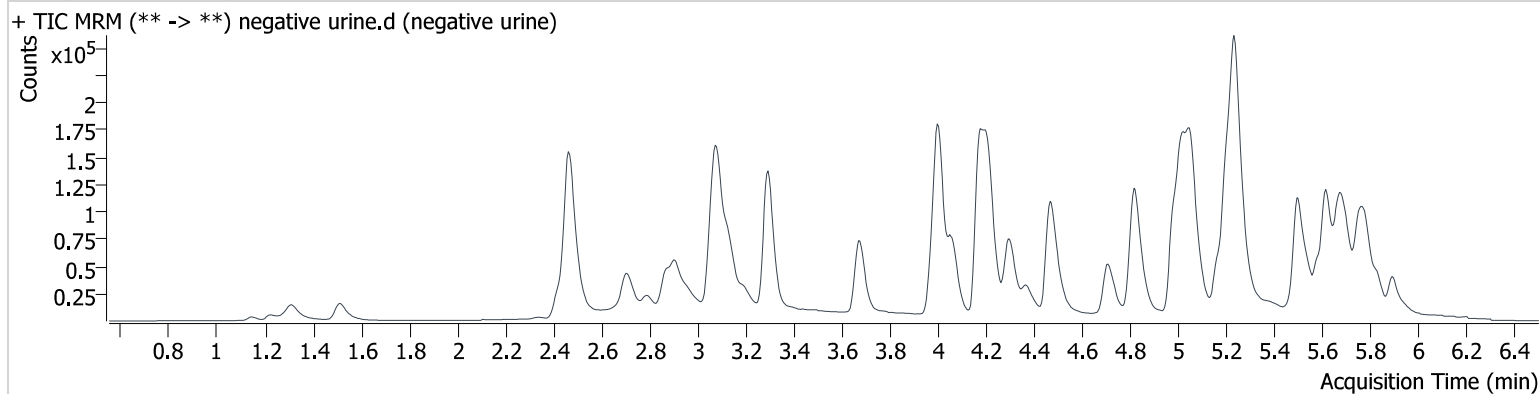
| Name                   | RT    | Resp.  | S/N       | Ratio  | S/N       | ISTD Resp. | Final Conc.   |
|------------------------|-------|--------|-----------|--------|-----------|------------|---------------|
| Hydrocodone            | 2.941 | 185163 | 2782.2    | 39.05  | 2383.2    | 103277     | 105.252 ng/ml |
| Hydromorphone          | 1.517 | 166692 | 4962.3    | 77.73  | 3044.7    | 49532      | 103.789 ng/ml |
| Hydroxyzine            | 5.659 | 220360 | 94784.2   | 117.58 | 4153.6    | 297082     | 104.496 ng/ml |
| Ketamine               | 3.994 | 347855 | 26105.7   | 35.50  | 4583.8    | 149003     | 105.398 ng/ml |
| Lamotrigine            | 4.218 | 33528  | 1605.7    | 92.09  | 4430.3    | 146047     | 104.644 ng/ml |
| Lorazepam              | 5.692 | 100192 | ∞         | 47.64  | 678.4     | 80830      | 98.969 ng/ml  |
| MDA                    | 3.106 | 554527 | 7889.9    | 29.04  | ∞         | 146047     | 103.242 ng/ml |
| MDMA                   | 3.208 | 355617 | 34759.0   | 103.10 | 14927.8   | 34172      | 104.821 ng/ml |
| Meprobamate            | 4.829 | 155134 | 38842.0   | 33.08  | 5790.0    | 46389      | 104.863 ng/ml |
| Methadone              | 5.619 | 667121 | 20135.4   | 58.69  | 27953.9   | 245912     | 97.910 ng/ml  |
| Methamphetamine        | 3.132 | 861278 | 7587.9    | 38.79  | 1447.2    | 322586     | 106.704 ng/ml |
| Metoprolol             | 4.273 | 89390  | 31870.1   | 96.78  | 501422.8  | 403283     | 100.736 ng/ml |
| Mirtazapine            | 4.574 | 715887 | 46187.1   | 49.44  | 259043.4  | 34172      | 95.925 ng/ml  |
| Mitragynine            | 5.168 | 144509 | 144083.9  | 31.74  | 61034.8   | 403283     | 99.803 ng/ml  |
| Morphine               | 1.141 | 21233  | 2977.5    | 29.78  | 1582.2    | 2068       | 97.007 ng/ml  |
| Norbuprenorphine       | 4.937 | 3421   | 10964.6   | 99.94  | ∞         | 4647       | 11.125 ng/ml  |
| Nordiazepam            | 5.840 | 156594 | 2518.3    | 56.91  | 1021272.5 | 47365      | 104.991 ng/ml |
| Norfentanyl            | 4.025 | 11383  | 1313.0    | 263.59 | 1934.2    | 297528     | 9.317 ng/ml   |
| Noroxycodone           | 2.813 | 167264 | ∞         | 51.90  | 1238.5    | 52995      | 100.722 ng/ml |
| O-desmethyl-tramadol   | 3.299 | 825498 | 58519.3   | 6.47   | 6694.7    | 334362     | 100.729 ng/ml |
| O-Desmethylvenlafaxine | 4.008 | 217901 | 1606.5    | 254.48 | 15925.0   | 73665      | 100.791 ng/ml |
| Olanzapine             | 4.434 | 328400 | 853.7     | 41.63  | 411.1     | 67579      | 107.584 ng/ml |
| Oxazepam               | 5.699 | 174669 | 18218.7   | 71.59  | 1439.0    | 80830      | 94.149 ng/ml  |
| Oxycodone              | 2.736 | 348227 | 9417.8    | 33.34  | 9073.9    | 130203     | 96.890 ng/ml  |
| Phentermine            | 3.709 | 167874 | 2016.8    | 10.39  | 4312.0    | 180468     | 114.597 ng/ml |
| Promethazine           | 5.500 | 645281 | 1019132.2 | 39.69  | 23464.3   | 297082     | 101.792 ng/ml |
| Pseudoephedrine        | 2.476 | 970130 | 9728.4    | 17.54  | ∞         | 403283     | 99.123 ng/ml  |
| Quetiapine             | 5.492 | 308453 | 18334.9   | 62.47  | 177967.9  | 45646      | 99.347 ng/ml  |
| Sertraline             | 5.740 | 106110 | ∞         | 102.05 | 81074.1   | 43175      | 97.513 ng/ml  |
| Temazepam              | 5.766 | 407316 | 10474.6   | 29.04  | 5645.6    | 171595     | 102.776 ng/ml |
| Tramadol               | 4.187 | 926913 | ∞         | 3.41   | 1402.8    | 386682     | 97.997 ng/ml  |
| Trazodone              | 5.061 | 454182 | 45623.2   | 80.97  | 7458.5    | 179085     | 102.986 ng/ml |
| Venlafaxine            | 4.986 | 626429 | 19012.0   | 47.02  | 3037.0    | 300683     | 100.433 ng/ml |
| Zolpidem               | 4.836 | 805513 | ∞         | 26.39  | 13197.5   | 322059     | 99.766 ng/ml  |

# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\am 27-28\111822\QuantResults\mdq.batch.bin  
**Calibration Last Update** 11/21/2022 1:39:24 PM

|                         |                       |                  |                  |
|-------------------------|-----------------------|------------------|------------------|
| <b>Instrument</b>       | 69679                 | <b>Data File</b> | negative urine.d |
| <b>Type</b>             | Sample                | <b>Sample</b>    | negative urine   |
| <b>Acq. Method</b>      | mdqp1 1-21-21long.m   | <b>Operator</b>  | Anne Nord        |
| <b>Sample Position</b>  | P2-A4                 | <b>Comment</b>   |                  |
| <b>Injection Volume</b> | 1                     |                  |                  |
| <b>Acq. Date-Time</b>   | 11/18/2022 3:28:38 PM |                  |                  |
| <b>Sample Info.</b>     |                       |                  |                  |

## Sample Chromatogram

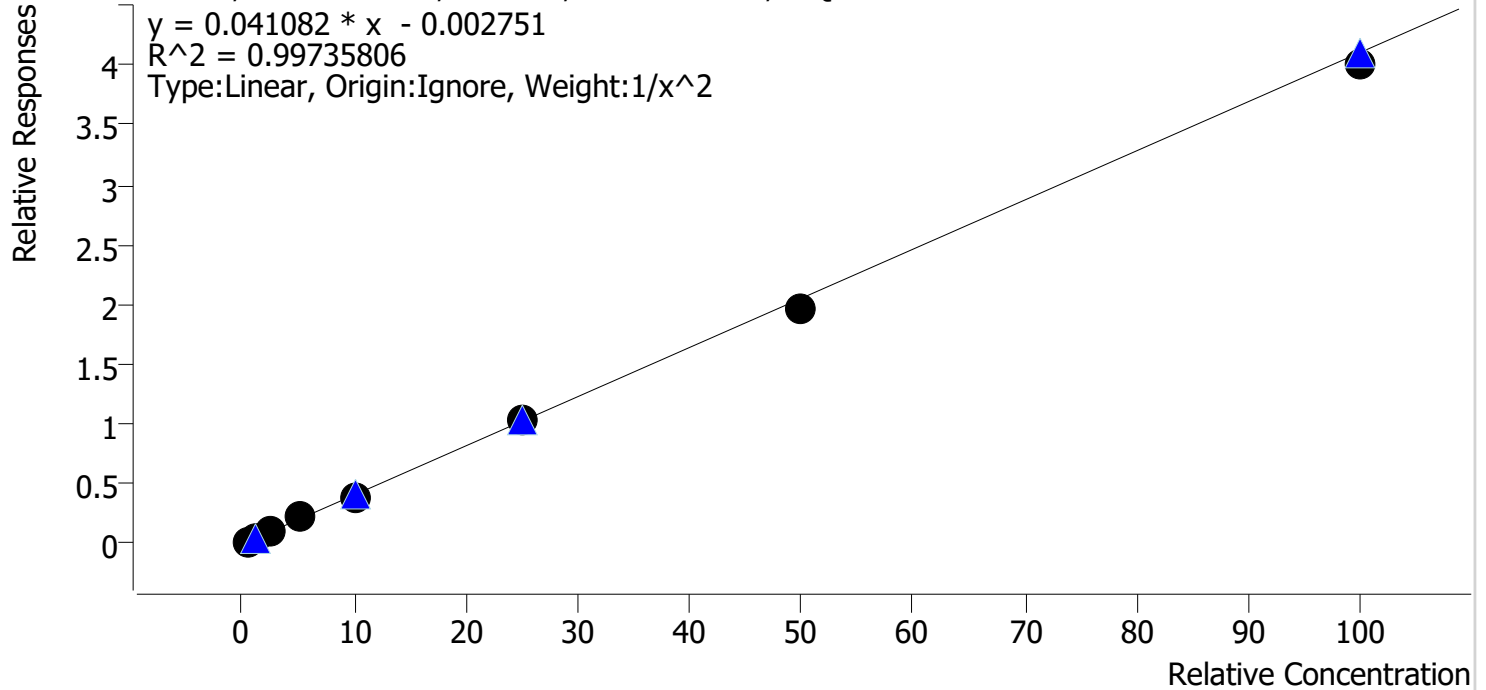




# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\111822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/21/2022 1:39 PM  
**Analyst Name** ISP\datastor  
**Analyte** 6-MAM **Internal Standard** 6-MAM-D6

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

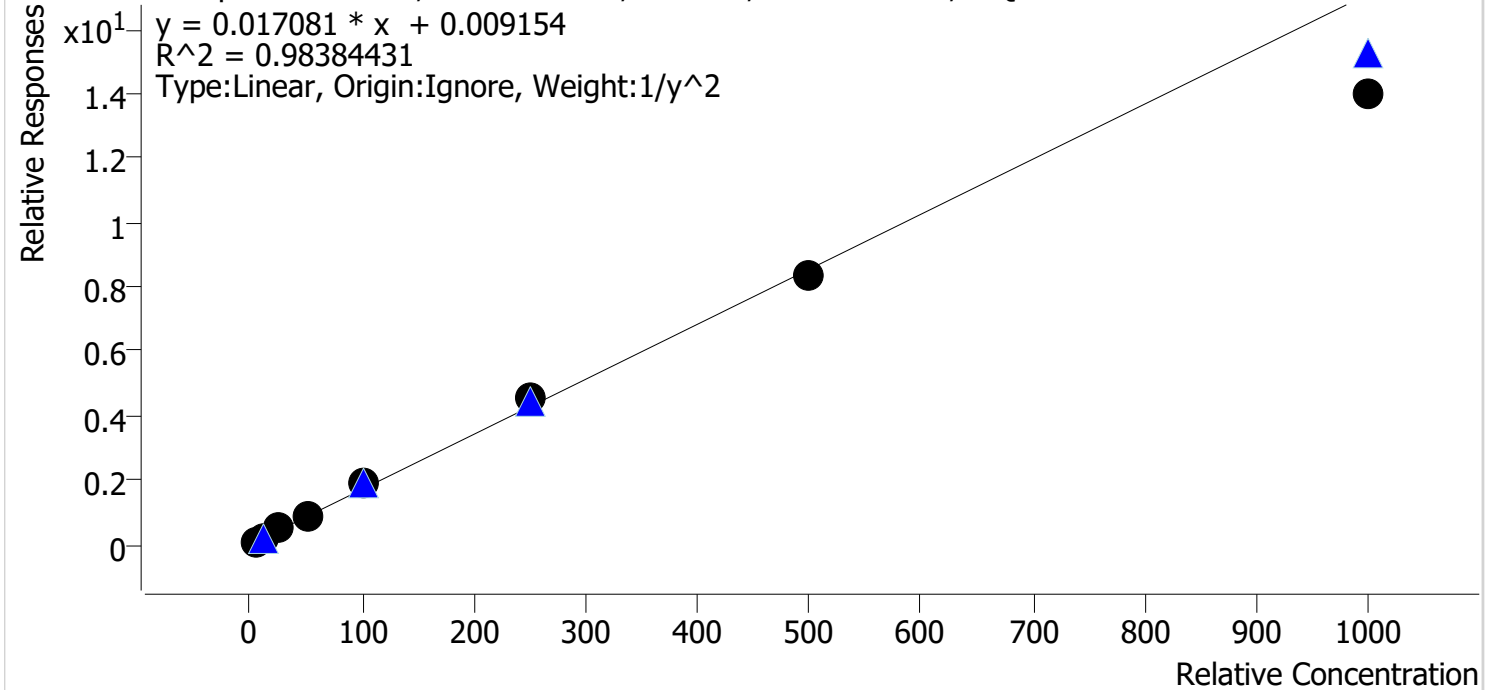


| Sample    | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1     | ✓       | 0.5                    | 0.5                 | 99.8     |
| cal 2 mdq | 2     | ✓       | 1.0                    | 1.0                 | 97.1     |
| cal 3 mdq | 3     | ✓       | 2.5                    | 2.6                 | 105.8    |
| cal 4 mdq | 4     | ✓       | 5.0                    | 5.4                 | 107.6    |
| cal 5 mdq | 5     | ✓       | 10.0                   | 9.6                 | 95.9     |
| cal 6 mdq | 6     | ✓       | 25.0                   | 25.0                | 100.1    |
| cal 7 mdq | 7     | ✓       | 50.0                   | 48.0                | 96.0     |
| cal 8 mdq | 8     | ✓       | 100.0                  | 97.6                | 97.6     |

# Compound Calibration Report

|                         |  |                          |                      |
|-------------------------|--|--------------------------|----------------------|
| <b>Batch results</b>    | D:\MassHunter\Data\2022\am 27-28\111822\QuantResults\mdq.batch.bin |                          |                      |
| <b>Last Cal. Update</b> | 11/21/2022 1:39 PM   |                          |                      |
| <b>Analyst Name</b>     | ISP\datastor   |                          |                      |
| <b>Analyte</b>          | 7-aminoclonazepam  | <b>Internal Standard</b> | 7-Aminoclonazepam-D4 |

7-aminoclonazepam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

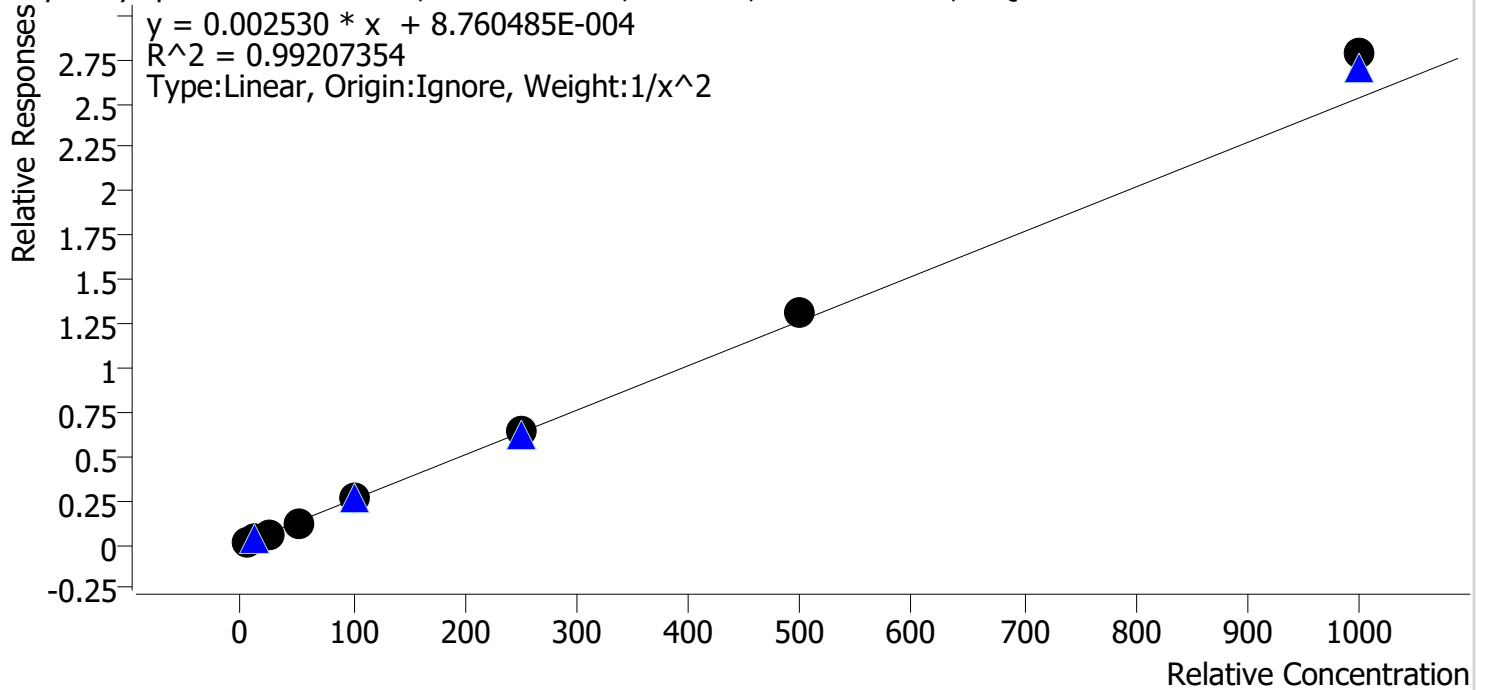


| Sample    | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1     | ✓       | 5.0                    | 4.8                 | 95.0     |
| cal 2 mdq | 2     | ✓       | 10.0                   | 10.4                | 103.5    |
| cal 3 mdq | 3     | ✓       | 25.0                   | 28.3                | 113.4    |
| cal 4 mdq | 4     | ✓       | 50.0                   | 53.1                | 106.1    |
| cal 5 mdq | 5     | ✓       | 100.0                  | 112.4               | 112.4    |
| cal 6 mdq | 6     | ✓       | 250.0                  | 268.1               | 107.2    |
| cal 7 mdq | 7     | ✓       | 500.0                  | 486.1               | 97.2     |
| cal 8 mdq | 8     | ✓       | 1000.0                 | 819.1               | 81.9     |

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\111822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/21/2022 1:39 PM  
**Analyst Name** ISP\datastor  
**Analyte** a-hydroxyalprazolam **Internal Standard** Oxazepam-D5

a-hydroxyalprazolam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

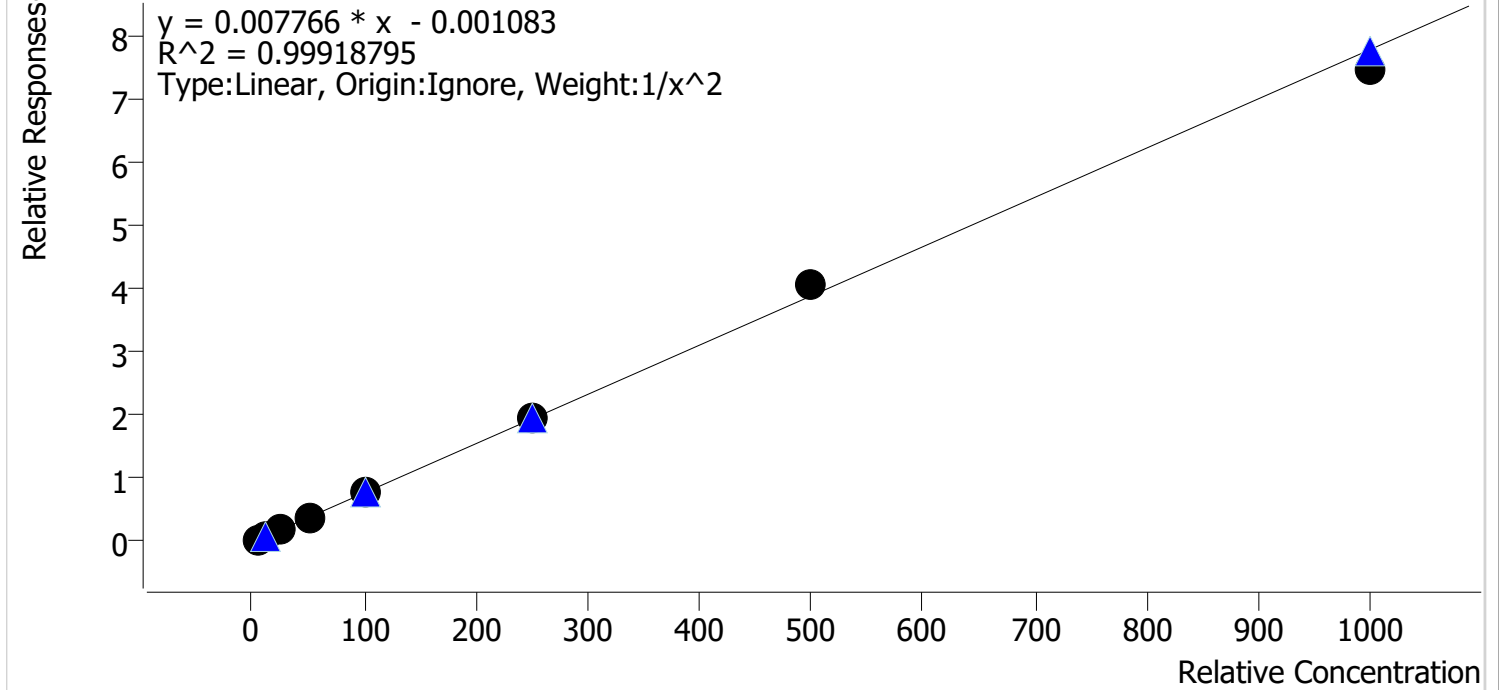


| Sample    | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1     | ✓       | 5.0                    | 5.3                 | 106.8    |
| cal 2 mdq | 2     | ✓       | 10.0                   | 9.1                 | 91.4     |
| cal 3 mdq | 3     | ✓       | 25.0                   | 22.2                | 88.8     |
| cal 4 mdq | 4     | ✓       | 50.0                   | 47.1                | 94.2     |
| cal 5 mdq | 5     | ✓       | 100.0                  | 105.5               | 105.5    |
| cal 6 mdq | 6     | ✓       | 250.0                  | 249.1               | 99.7     |
| cal 7 mdq | 7     | ✓       | 500.0                  | 518.7               | 103.7    |
| cal 8 mdq | 8     | ✓       | 1000.0                 | 1099.2              | 109.9    |

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\111822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/21/2022 1:39 PM  
**Analyst Name** ISP\datastor  
**Analyte** alpha-PHP **Internal Standard** alpha-PVP-d8

alpha-PHP - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

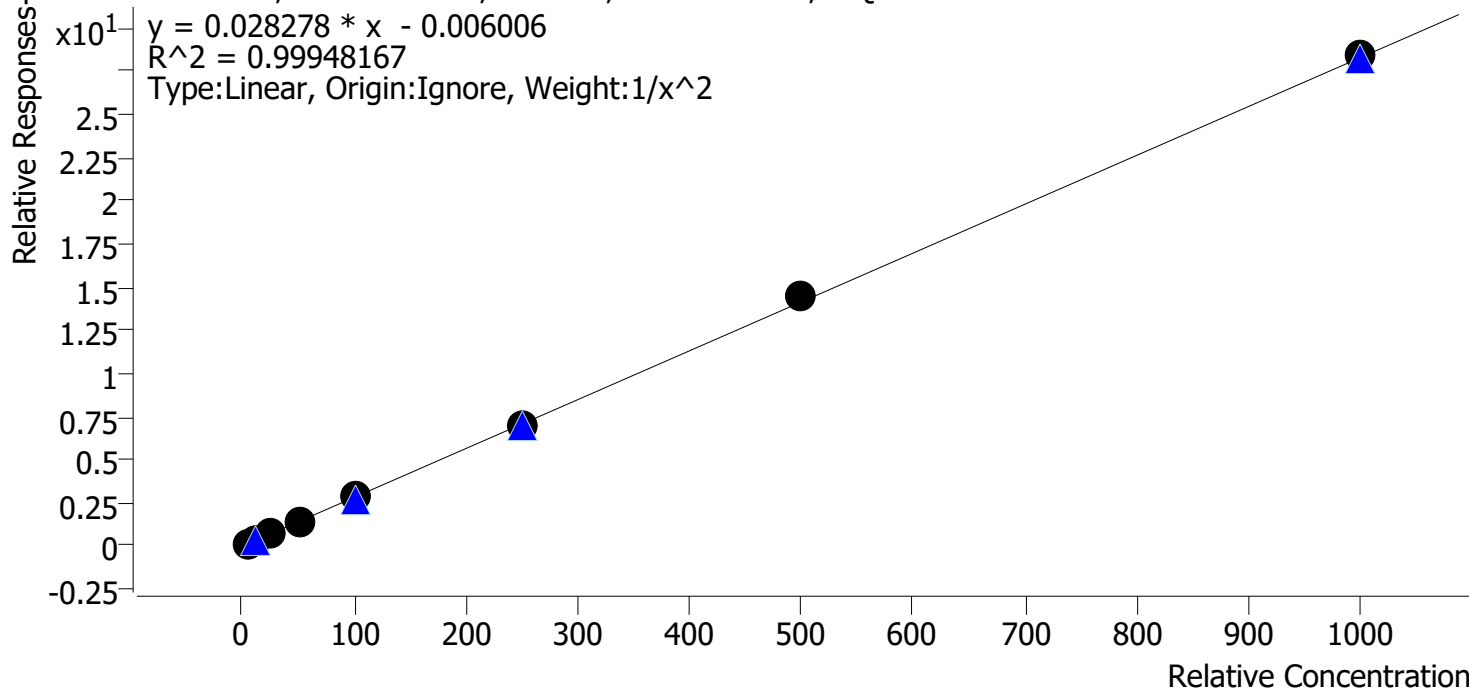


| Sample    | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1     | ✓       | 5.0                    | 5.0                 | 100.8    |
| cal 2 mdq | 2     | ✓       | 10.0                   | 9.9                 | 98.9     |
| cal 3 mdq | 3     | ✓       | 25.0                   | 24.4                | 97.5     |
| cal 4 mdq | 4     | ✓       | 50.0                   | 50.6                | 101.2    |
| cal 5 mdq | 5     | ✓       | 100.0                  | 100.5               | 100.5    |
| cal 6 mdq | 6     | ✓       | 250.0                  | 250.9               | 100.4    |
| cal 7 mdq | 7     | ✓       | 500.0                  | 521.8               | 104.4    |
| cal 8 mdq | 8     | ✓       | 1000.0                 | 962.5               | 96.2     |

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\111822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/21/2022 1:39 PM  
**Analyst Name** ISP\datastor  
**Analyte** alpha-PVP **Internal Standard** alpha-PVP-d8

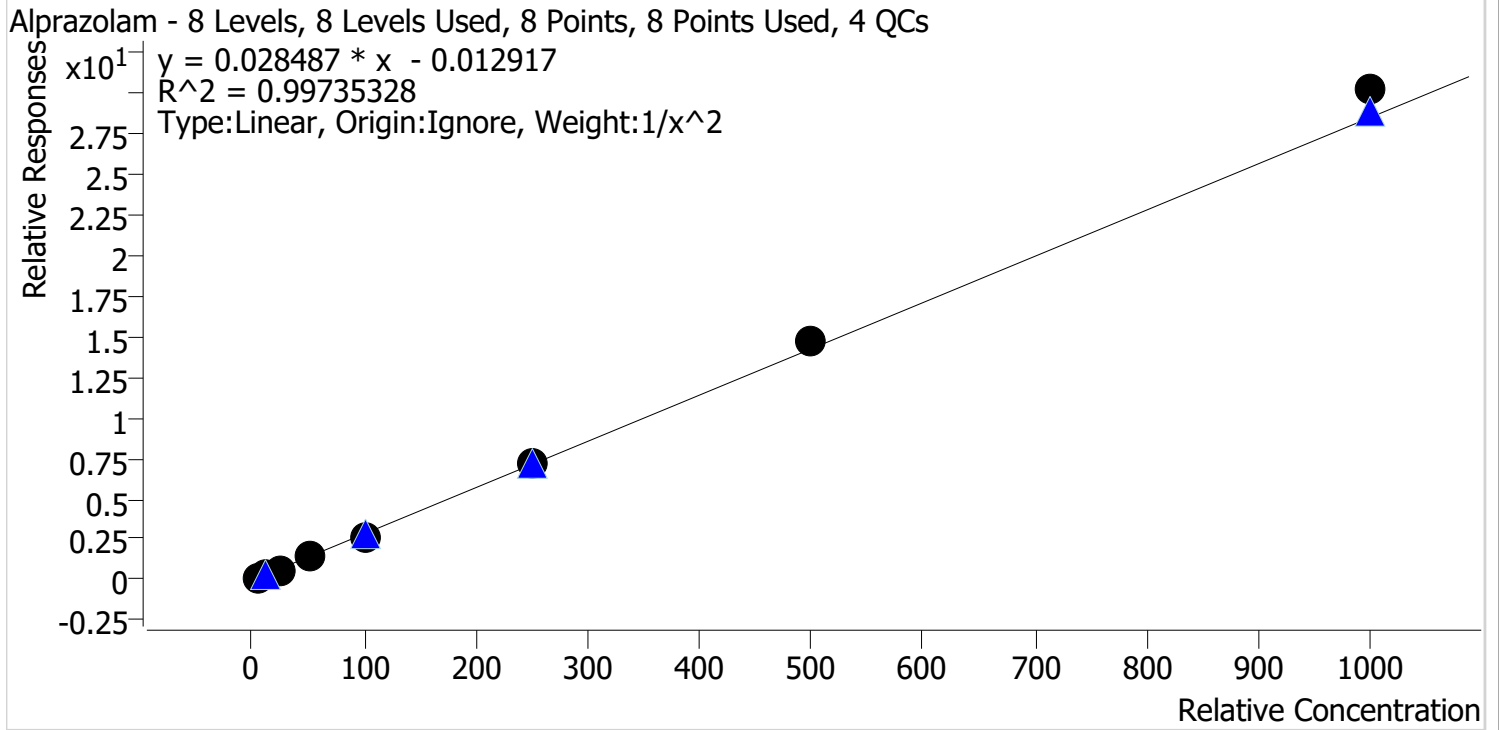
alpha-PVP - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



| Sample    | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1     | ✓       | 5.0                    | 5.1                 | 101.9    |
| cal 2 mdq | 2     | ✓       | 10.0                   | 9.7                 | 96.8     |
| cal 3 mdq | 3     | ✓       | 25.0                   | 24.5                | 98.0     |
| cal 4 mdq | 4     | ✓       | 50.0                   | 50.7                | 101.5    |
| cal 5 mdq | 5     | ✓       | 100.0                  | 99.3                | 99.3     |
| cal 6 mdq | 6     | ✓       | 250.0                  | 249.1               | 99.6     |
| cal 7 mdq | 7     | ✓       | 500.0                  | 512.6               | 102.5    |
| cal 8 mdq | 8     | ✓       | 1000.0                 | 1004.3              | 100.4    |

# Compound Calibration Report

|                         |  |                          |               |
|-------------------------|--|--------------------------|---------------|
| <b>Batch results</b>    | D:\MassHunter\Data\2022\am 27-28\111822\QuantResults\mdq.batch.bin |                          |               |
| <b>Last Cal. Update</b> | 11/21/2022 1:39 PM   |                          |               |
| <b>Analyst Name</b>     | ISP\datastor   |                          |               |
| <b>Analyte</b>          | Alprazolam   | <b>Internal Standard</b> | Alprazolam-D5 |

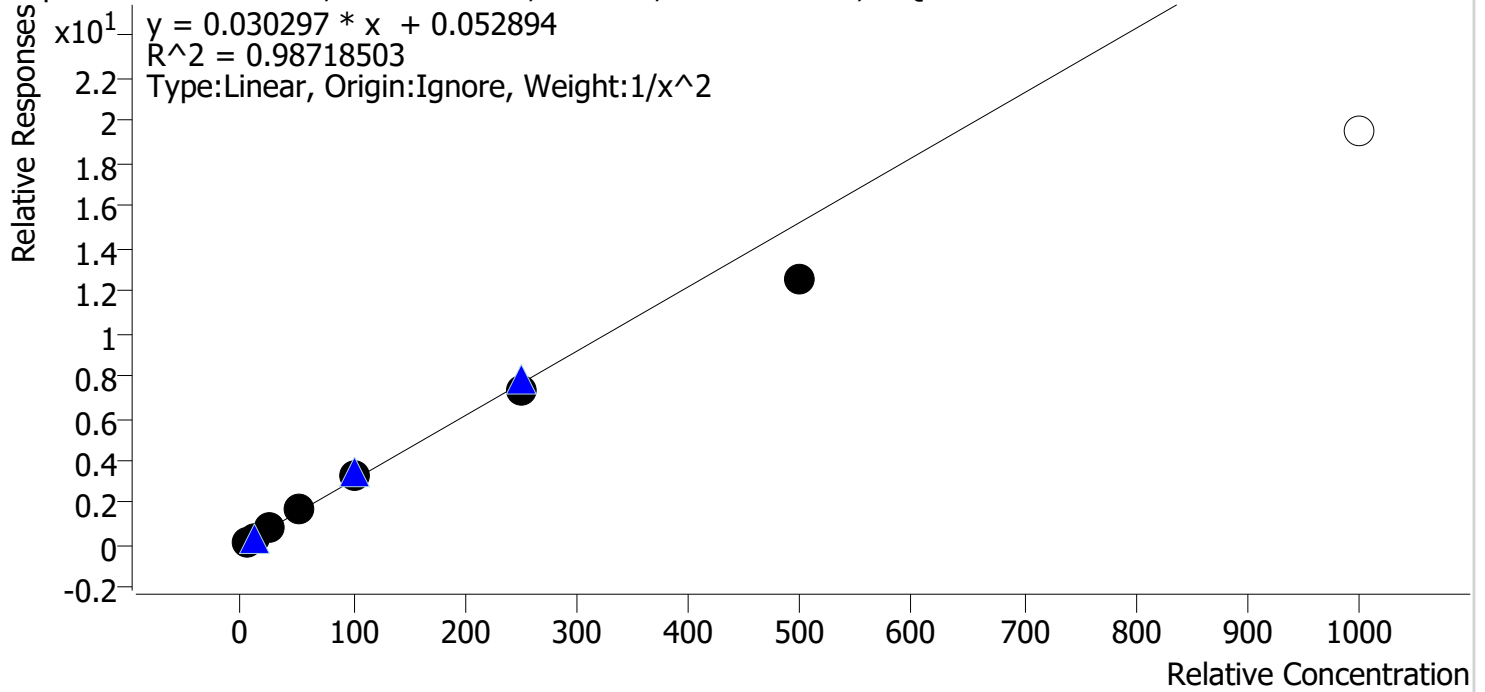


| Sample    | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1     | ✓       | 5.0                    | 5.2                 | 103.9    |
| cal 2 mdq | 2     | ✓       | 10.0                   | 9.4                 | 94.2     |
| cal 3 mdq | 3     | ✓       | 25.0                   | 23.8                | 95.0     |
| cal 4 mdq | 4     | ✓       | 50.0                   | 50.7                | 101.3    |
| cal 5 mdq | 5     | ✓       | 100.0                  | 95.9                | 95.9     |
| cal 6 mdq | 6     | ✓       | 250.0                  | 250.0               | 100.0    |
| cal 7 mdq | 7     | ✓       | 500.0                  | 517.6               | 103.5    |
| cal 8 mdq | 8     | ✓       | 1000.0                 | 1060.4              | 106.0    |

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\111822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/21/2022 1:39 PM  
**Analyst Name** ISP\datastor  
**Analyte** Amphetamine **Internal Standard** Amphetamine-D11

Amphetamine - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 4 QCs

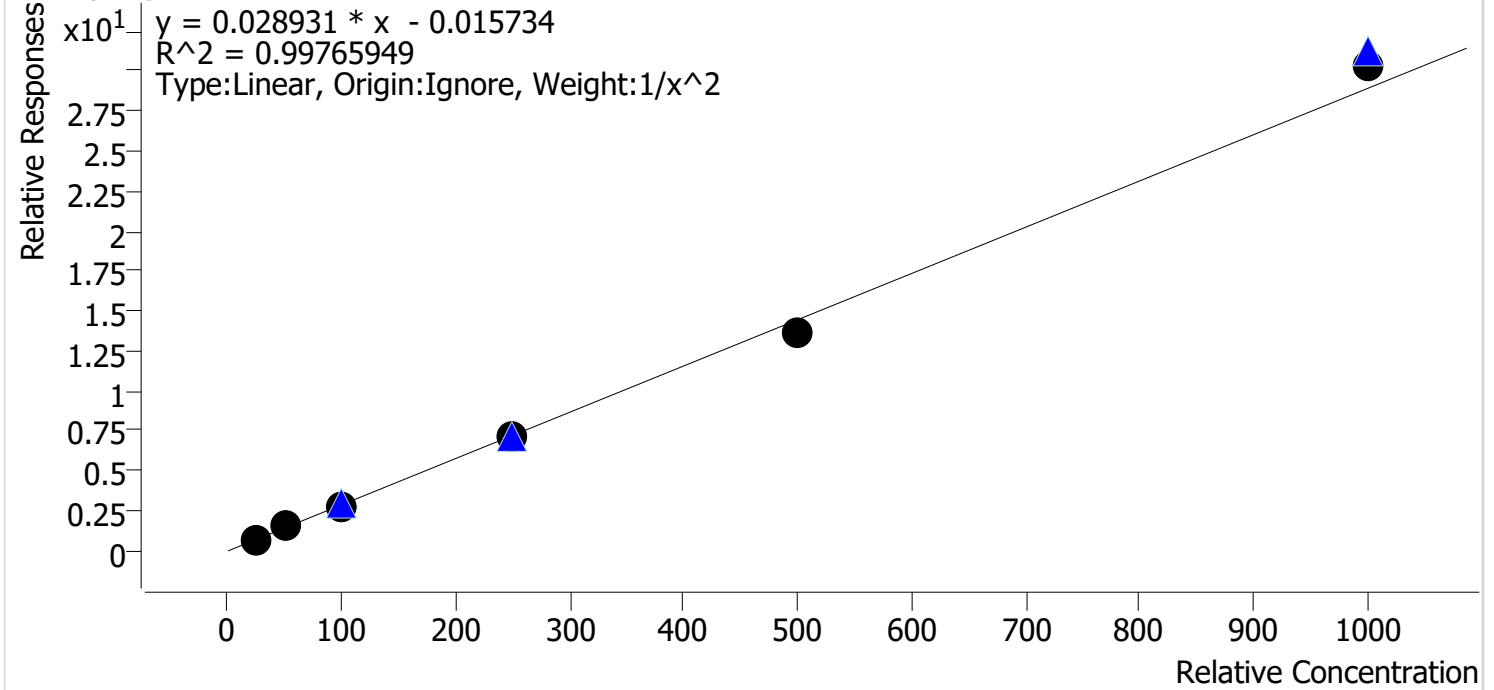


| Sample    | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1     | ✓       | 5.0                    | 4.8                 | 96.2     |
| cal 2 mdq | 2     | ✓       | 10.0                   | 10.2                | 102.0    |
| cal 3 mdq | 3     | ✓       | 25.0                   | 27.6                | 110.6    |
| cal 4 mdq | 4     | ✓       | 50.0                   | 53.4                | 106.7    |
| cal 5 mdq | 5     | ✓       | 100.0                  | 106.4               | 106.4    |
| cal 6 mdq | 6     | ✓       | 250.0                  | 240.6               | 96.2     |
| cal 7 mdq | 7     | ✓       | 500.0                  | 409.8               | 82.0     |
| cal 8 mdq | 8     | ✗       | 1000.0                 | 644.4               | 64.4     |

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\111822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/21/2022 1:39 PM  
**Analyst Name** ISP\datastor  
**Analyte** Benzoylecgonine **Internal Standard** Benzoylecgonine-d8

Benzoylecgonine - 6 Levels, 6 Levels Used, 6 Points, 6 Points Used, 3 QCs



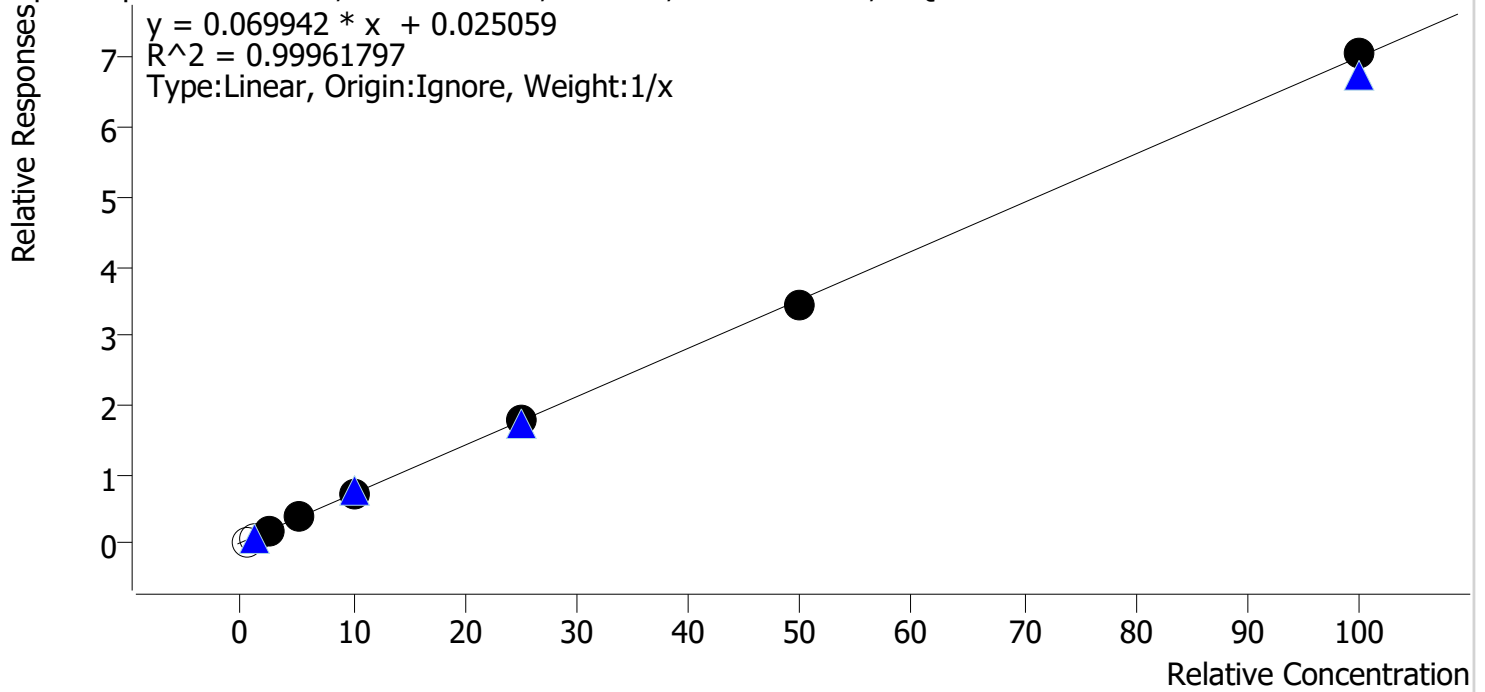
| Sample    | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 3 mdq | 3     | ✓       | 25.0                   | 24.7                | 98.7     |
| cal 4 mdq | 4     | ✓       | 50.0                   | 52.1                | 104.3    |
| cal 5 mdq | 5     | ✓       | 100.0                  | 96.9                | 96.9     |
| cal 6 mdq | 6     | ✓       | 250.0                  | 250.8               | 100.3    |
| cal 7 mdq | 7     | ✓       | 500.0                  | 475.6               | 95.1     |
| cal 8 mdq | 8     | ✓       | 1000.0                 | 1046.7              | 104.7    |



# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\11\21\111822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/21/2022 1:39 PM  
**Analyst Name** ISP\datastor  
**Analyte** Buprenorphine **Internal Standard** Buprenorphine-D4

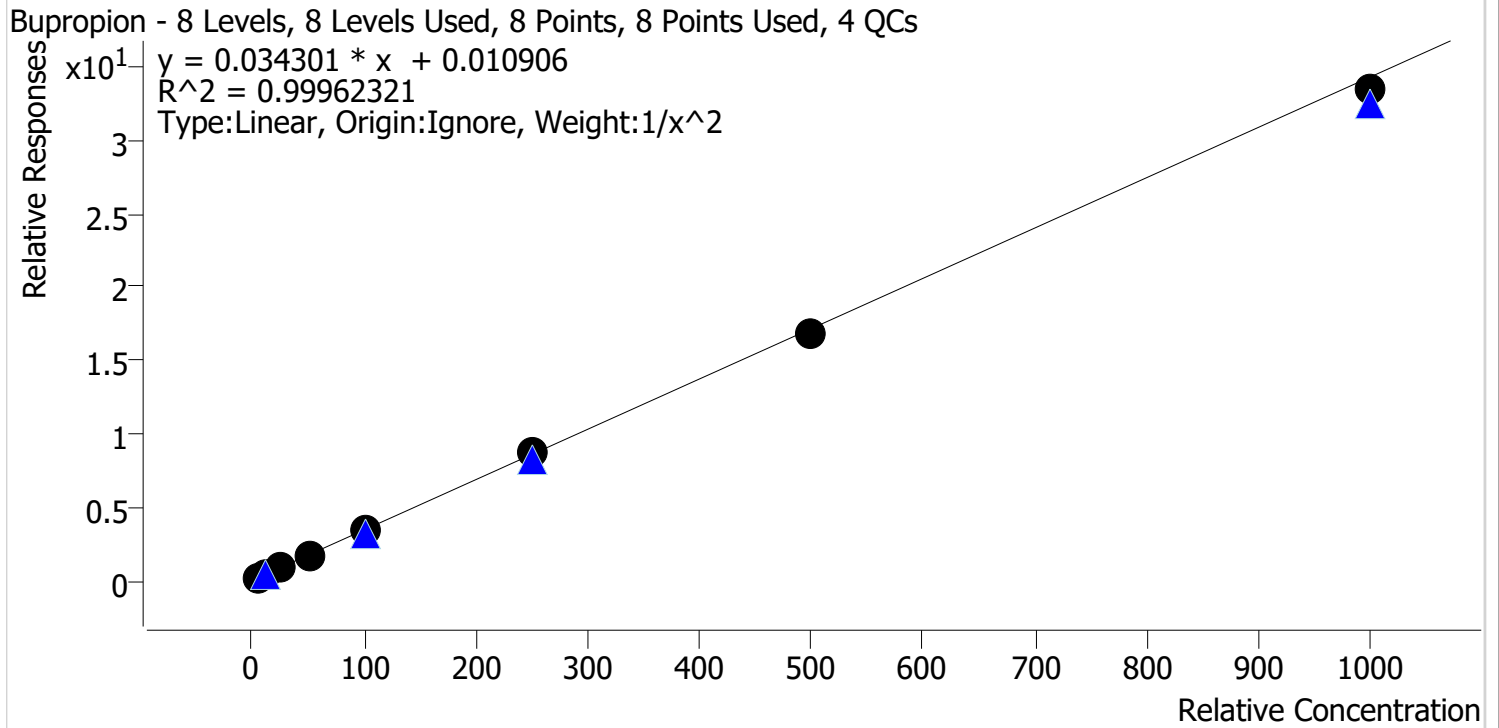
Buprenorphine - 8 Levels, 6 Levels Used, 8 Points, 6 Points Used, 4 QCs



| Sample    | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1     | x       | 0.5                    | 0.1                 | 22.5     |
| cal 2 mdq | 2     | x       | 1.0                    | 0.5                 | 47.4     |
| cal 3 mdq | 3     | ✓       | 2.5                    | 2.6                 | 102.5    |
| cal 4 mdq | 4     | ✓       | 5.0                    | 5.0                 | 100.8    |
| cal 5 mdq | 5     | ✓       | 10.0                   | 9.6                 | 95.6     |
| cal 6 mdq | 6     | ✓       | 25.0                   | 25.6                | 102.2    |
| cal 7 mdq | 7     | ✓       | 50.0                   | 49.1                | 98.2     |
| cal 8 mdq | 8     | ✓       | 100.0                  | 100.7               | 100.7    |

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\111822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/21/2022 1:39 PM  
**Analyst Name** ISP\datastor  
**Analyte** Bupropion **Internal Standard** Bupropion-D9

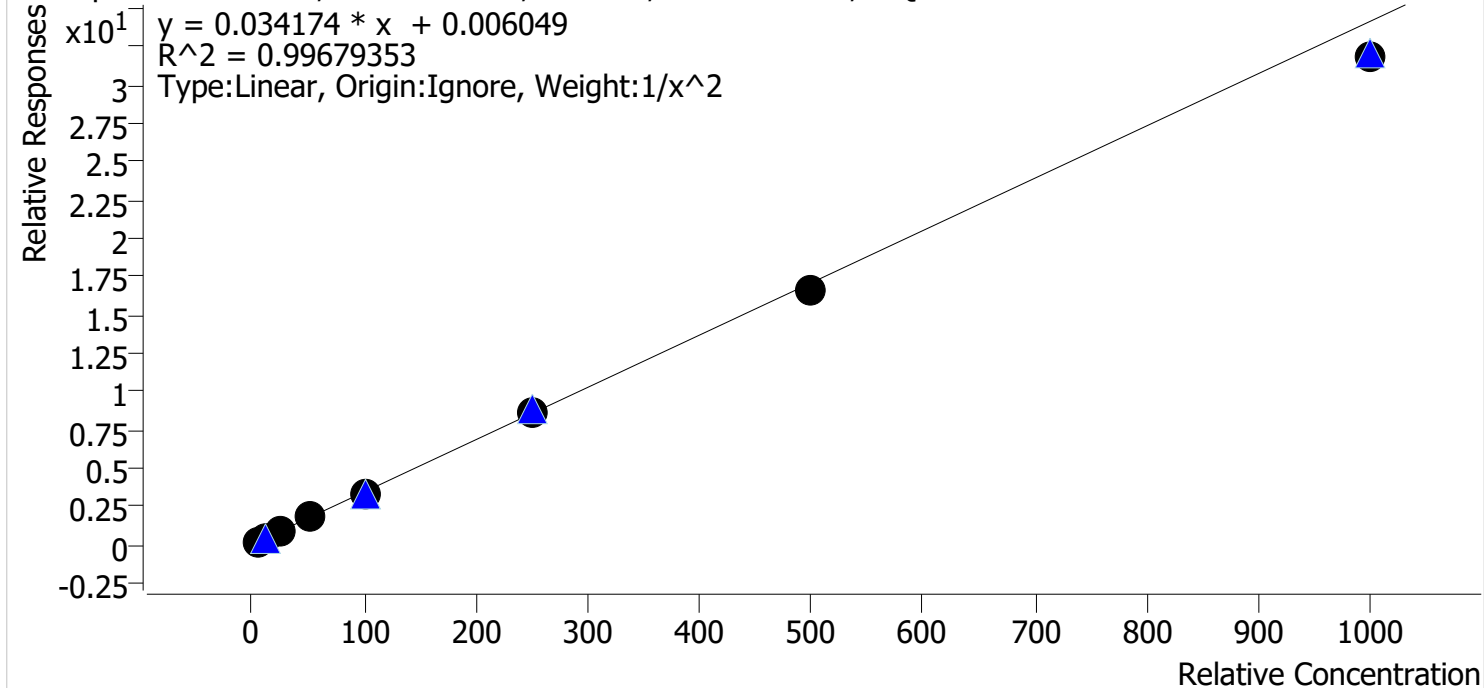


| Sample    | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1     | ✓       | 5.0                    | 5.0                 | 99.4     |
| cal 2 mdq | 2     | ✓       | 10.0                   | 10.0                | 100.2    |
| cal 3 mdq | 3     | ✓       | 25.0                   | 25.5                | 102.1    |
| cal 4 mdq | 4     | ✓       | 50.0                   | 50.5                | 100.9    |
| cal 5 mdq | 5     | ✓       | 100.0                  | 99.7                | 99.7     |
| cal 6 mdq | 6     | ✓       | 250.0                  | 255.3               | 102.1    |
| cal 7 mdq | 7     | ✓       | 500.0                  | 490.6               | 98.1     |
| cal 8 mdq | 8     | ✓       | 1000.0                 | 975.1               | 97.5     |

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\111822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/21/2022 1:39 PM  
**Analyst Name** ISP\datastor  
**Analyte** Carisoprodol **Internal Standard** Carisoprodol-D7

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

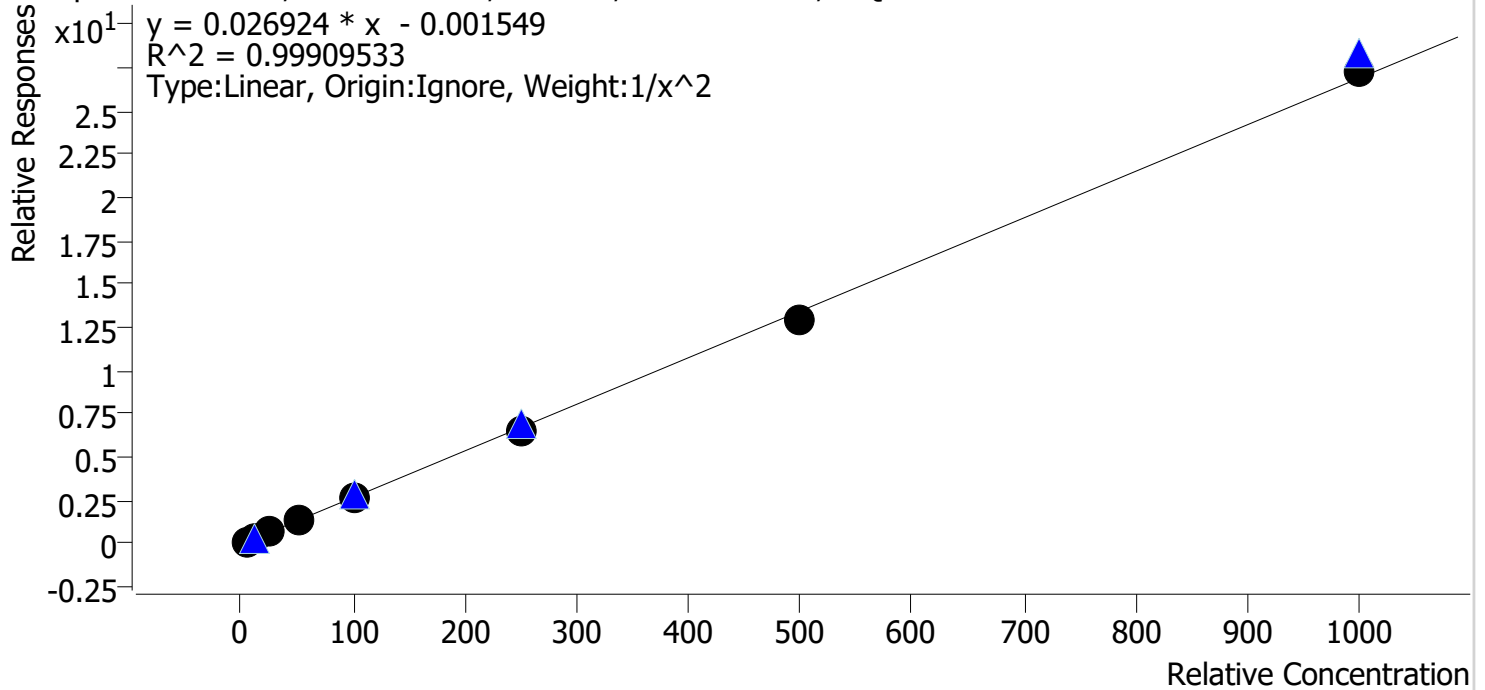


| Sample    | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1     | ✓       | 5.0                    | 4.8                 | 96.2     |
| cal 2 mdq | 2     | ✓       | 10.0                   | 10.7                | 106.7    |
| cal 3 mdq | 3     | ✓       | 25.0                   | 24.7                | 98.9     |
| cal 4 mdq | 4     | ✓       | 50.0                   | 53.9                | 107.8    |
| cal 5 mdq | 5     | ✓       | 100.0                  | 98.6                | 98.6     |
| cal 6 mdq | 6     | ✓       | 250.0                  | 251.0               | 100.4    |
| cal 7 mdq | 7     | ✓       | 500.0                  | 489.0               | 97.8     |
| cal 8 mdq | 8     | ✓       | 1000.0                 | 935.6               | 93.6     |

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\111822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/21/2022 1:39 PM  
**Analyst Name** ISP\datastor  
**Analyte** Citalopram **Internal Standard** Citalopram-D6

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

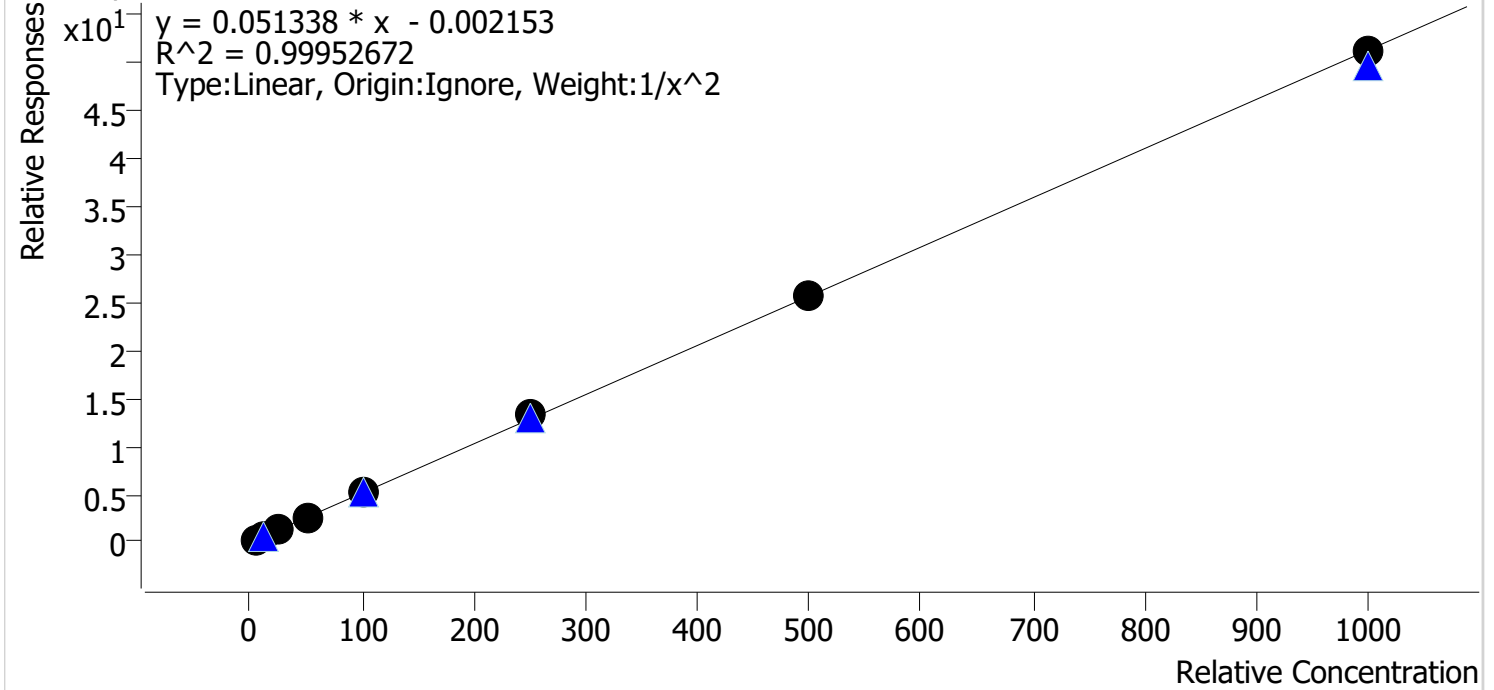


| Sample    | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1     | ✓       | 5.0                    | 5.0                 | 99.6     |
| cal 2 mdq | 2     | ✓       | 10.0                   | 9.9                 | 99.5     |
| cal 3 mdq | 3     | ✓       | 25.0                   | 26.1                | 104.2    |
| cal 4 mdq | 4     | ✓       | 50.0                   | 48.8                | 97.6     |
| cal 5 mdq | 5     | ✓       | 100.0                  | 102.7               | 102.7    |
| cal 6 mdq | 6     | ✓       | 250.0                  | 244.7               | 97.9     |
| cal 7 mdq | 7     | ✓       | 500.0                  | 484.8               | 97.0     |
| cal 8 mdq | 8     | ✓       | 1000.0                 | 1016.2              | 101.6    |

# Compound Calibration Report

|                         |  |                          |               |
|-------------------------|--|--------------------------|---------------|
| <b>Batch results</b>    | D:\MassHunter\Data\2022\am 27-28\111822\QuantResults\mdq.batch.bin |                          |               |
| <b>Last Cal. Update</b> | 11/21/2022 1:39 PM   |                          |               |
| <b>Analyst Name</b>     | ISP\datastor   |                          |               |
| <b>Analyte</b>          | Clonazepam   | <b>Internal Standard</b> | Clonazepam-D4 |

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

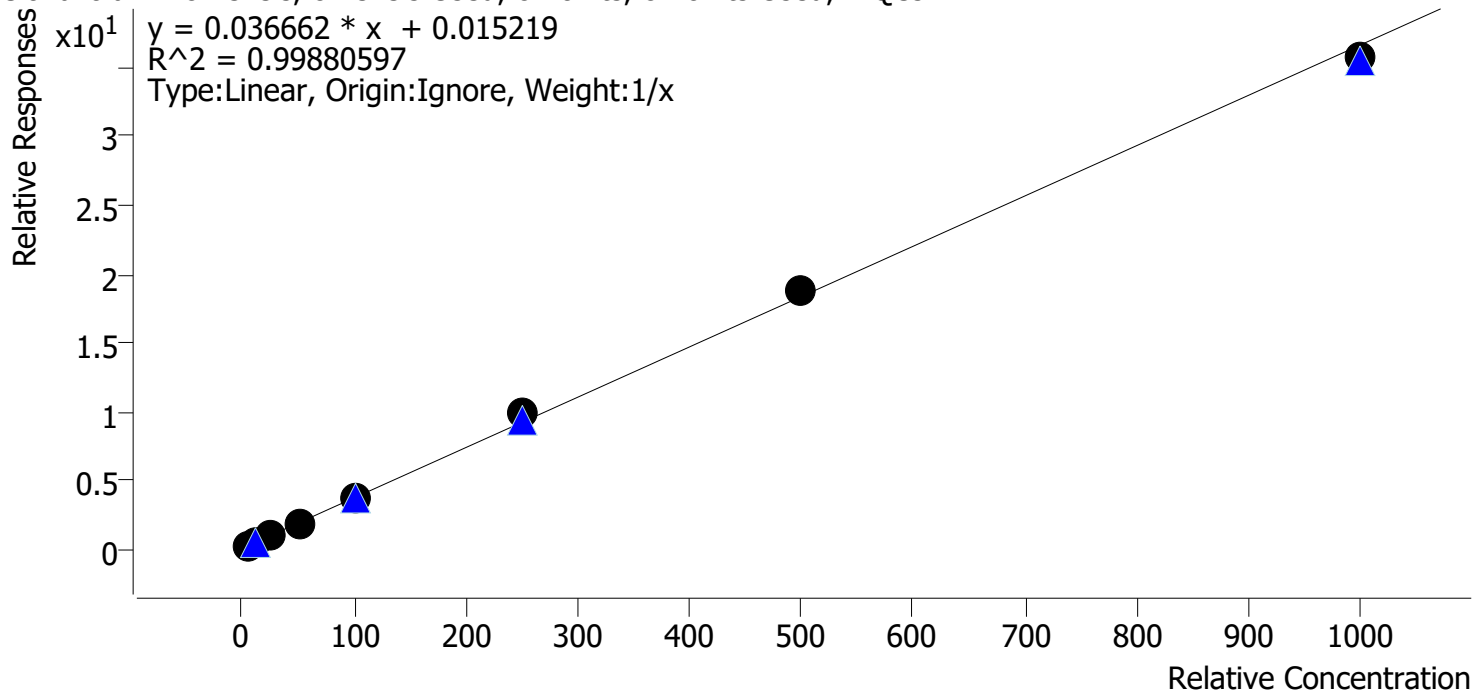


| Sample    | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1     | ✓       | 5.0                    | 5.1                 | 101.3    |
| cal 2 mdq | 2     | ✓       | 10.0                   | 9.9                 | 98.7     |
| cal 3 mdq | 3     | ✓       | 25.0                   | 24.3                | 97.0     |
| cal 4 mdq | 4     | ✓       | 50.0                   | 49.3                | 98.7     |
| cal 5 mdq | 5     | ✓       | 100.0                  | 100.5               | 100.5    |
| cal 6 mdq | 6     | ✓       | 250.0                  | 257.9               | 103.2    |
| cal 7 mdq | 7     | ✓       | 500.0                  | 504.5               | 100.9    |
| cal 8 mdq | 8     | ✓       | 1000.0                 | 997.1               | 99.7     |

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\111822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/21/2022 1:39 PM  
**Analyst Name** ISP\datastor  
**Analyte** Clonazolam **Internal Standard** Clonazepam-D4

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

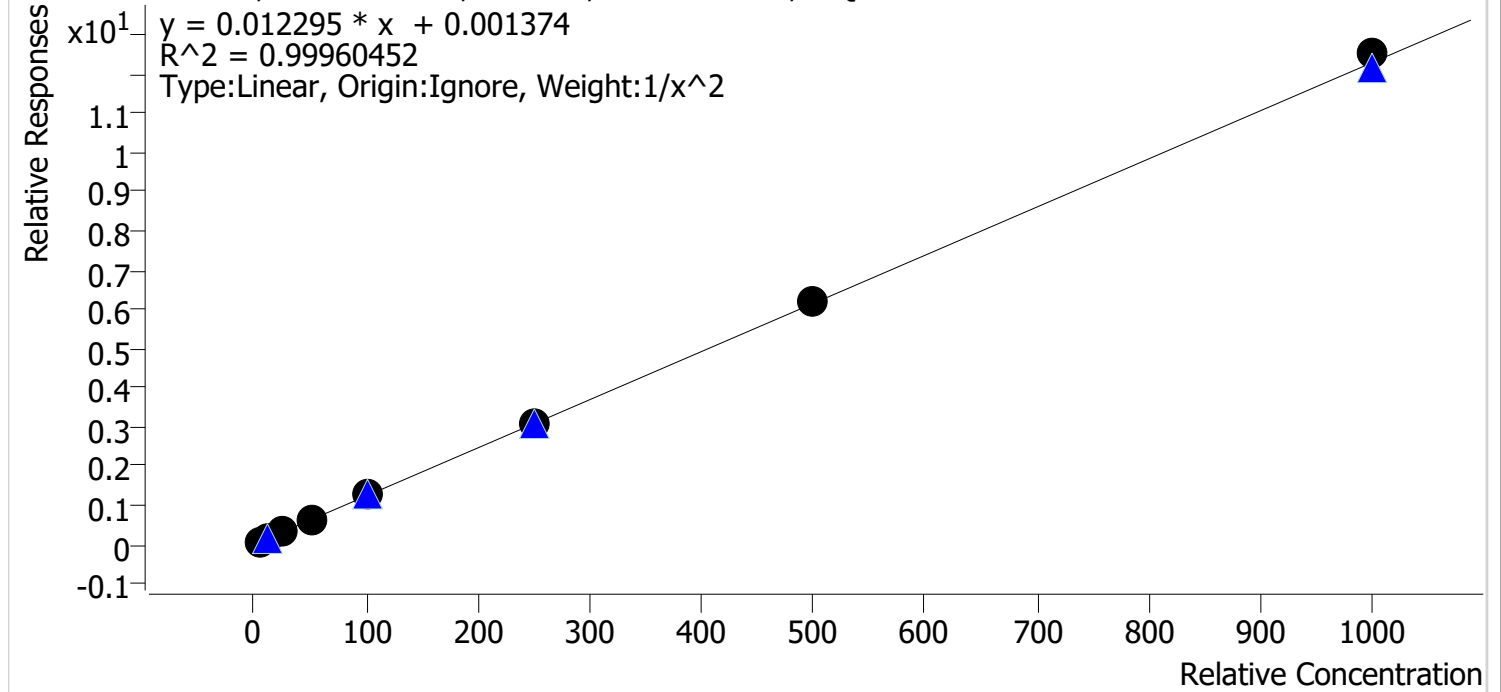


| Sample    | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1     | ✓       | 5.0                    | 4.8                 | 96.0     |
| cal 2 mdq | 2     | ✓       | 10.0                   | 10.7                | 107.0    |
| cal 3 mdq | 3     | ✓       | 25.0                   | 22.8                | 91.0     |
| cal 4 mdq | 4     | ✓       | 50.0                   | 49.2                | 98.4     |
| cal 5 mdq | 5     | ✓       | 100.0                  | 101.7               | 101.7    |
| cal 6 mdq | 6     | ✓       | 250.0                  | 265.8               | 106.3    |
| cal 7 mdq | 7     | ✓       | 500.0                  | 510.0               | 102.0    |
| cal 8 mdq | 8     | ✓       | 1000.0                 | 975.1               | 97.5     |

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\11-28\111822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/21/2022 1:39 PM  
**Analyst Name** ISP\datastor  
**Analyte** Cocaine **Internal Standard** Cocaine-d3

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

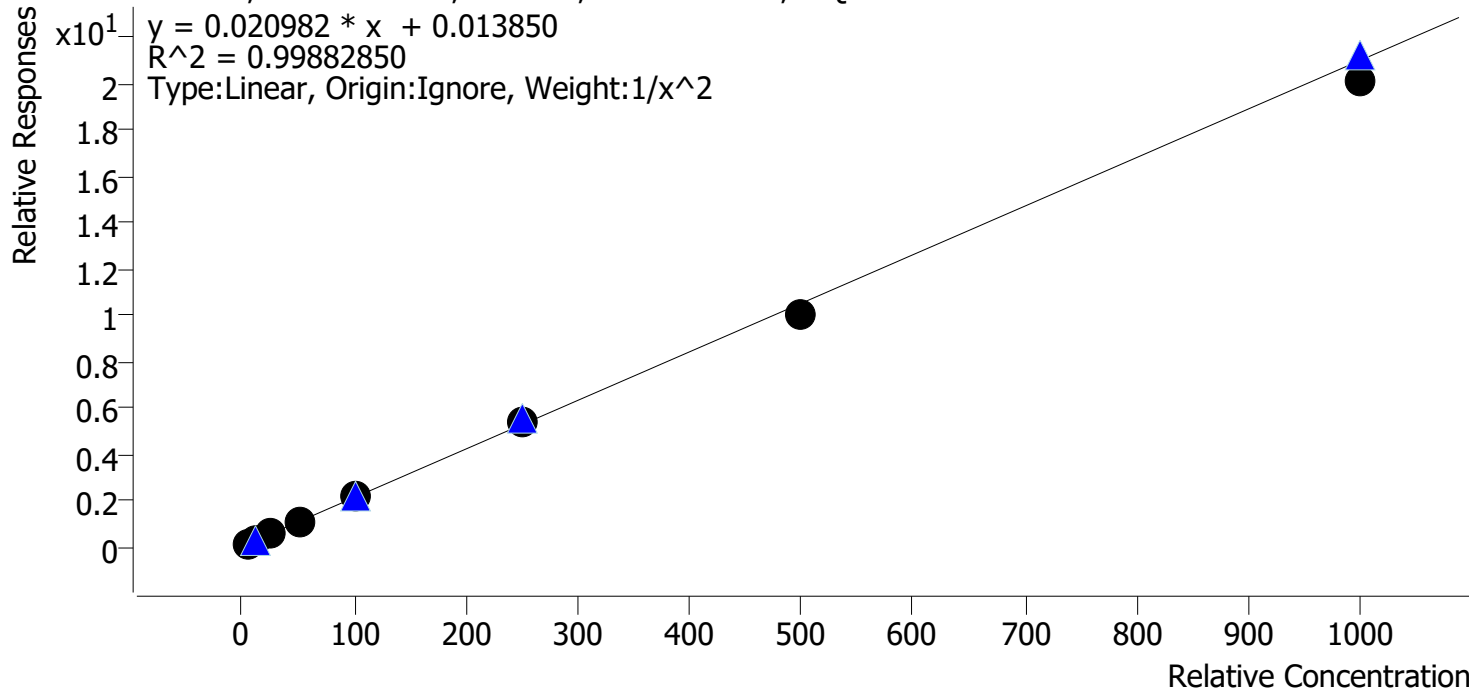


| Sample    | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1     | ✓       | 5.0                    | 5.1                 | 101.1    |
| cal 2 mdq | 2     | ✓       | 10.0                   | 9.9                 | 98.9     |
| cal 3 mdq | 3     | ✓       | 25.0                   | 24.1                | 96.5     |
| cal 4 mdq | 4     | ✓       | 50.0                   | 50.3                | 100.6    |
| cal 5 mdq | 5     | ✓       | 100.0                  | 100.8               | 100.8    |
| cal 6 mdq | 6     | ✓       | 250.0                  | 247.9               | 99.2     |
| cal 7 mdq | 7     | ✓       | 500.0                  | 505.2               | 101.0    |
| cal 8 mdq | 8     | ✓       | 1000.0                 | 1018.7              | 101.9    |

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\111822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/21/2022 1:39 PM  
**Analyst Name** ISP\datastor  
**Analyte** Codeine **Internal Standard** Codeine-D6

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



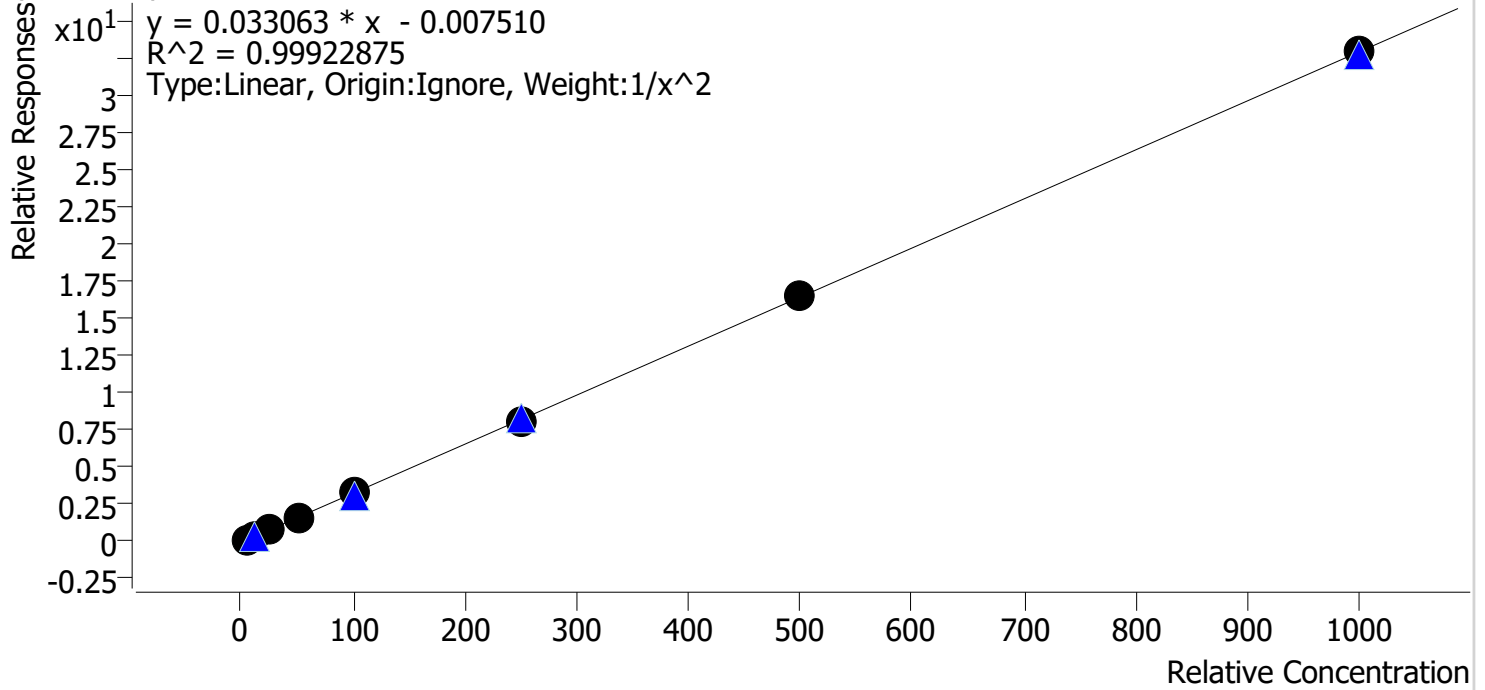
| Sample    | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1     | ✓       | 5.0                    | 5.0                 | 99.9     |
| cal 2 mdq | 2     | ✓       | 10.0                   | 9.9                 | 98.8     |
| cal 3 mdq | 3     | ✓       | 25.0                   | 25.2                | 100.8    |
| cal 4 mdq | 4     | ✓       | 50.0                   | 52.2                | 104.4    |
| cal 5 mdq | 5     | ✓       | 100.0                  | 101.9               | 101.9    |
| cal 6 mdq | 6     | ✓       | 250.0                  | 255.4               | 102.1    |
| cal 7 mdq | 7     | ✓       | 500.0                  | 479.7               | 95.9     |
| cal 8 mdq | 8     | ✓       | 1000.0                 | 960.8               | 96.1     |



# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\111822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/21/2022 1:39 PM  
**Analyst Name** ISP\datastor  
**Analyte** Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3

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

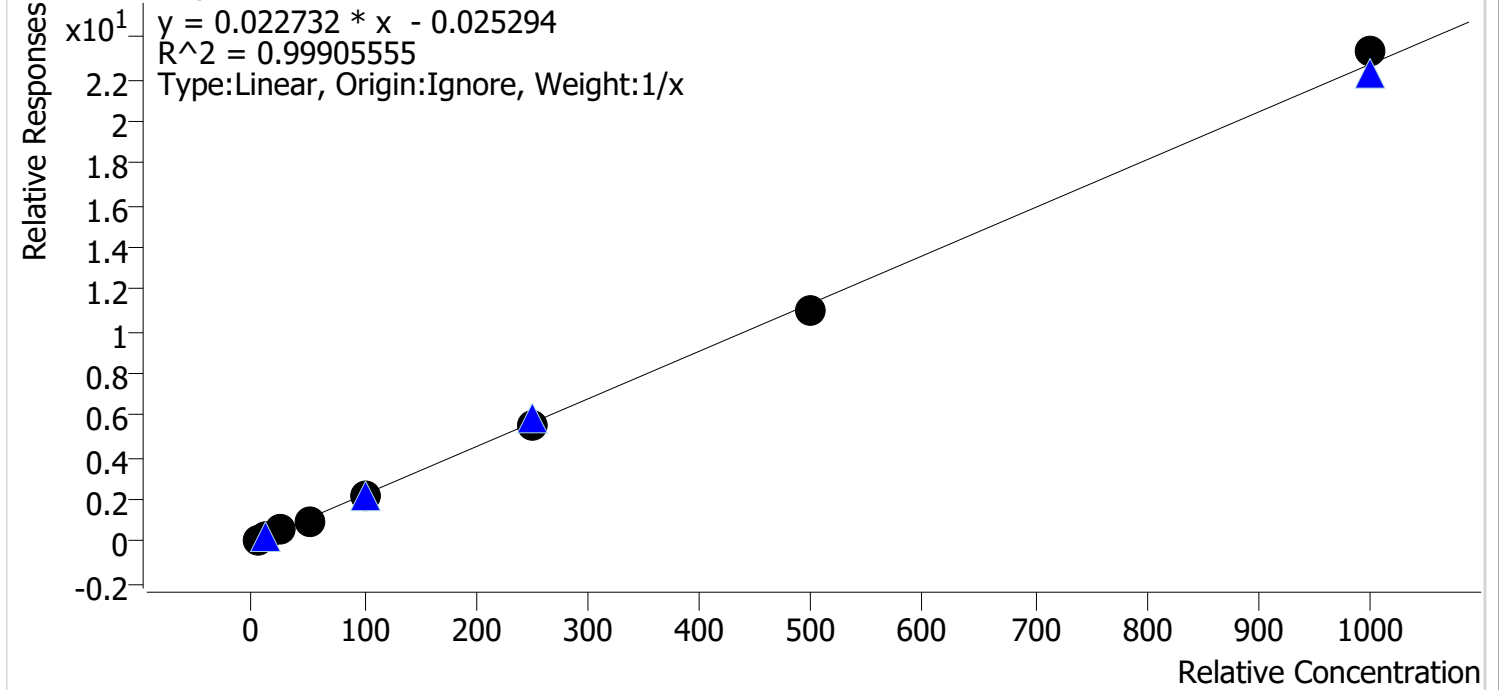


| Sample    | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1     | ✓       | 5.0                    | 5.1                 | 102.1    |
| cal 2 mdq | 2     | ✓       | 10.0                   | 9.6                 | 96.0     |
| cal 3 mdq | 3     | ✓       | 25.0                   | 24.8                | 99.1     |
| cal 4 mdq | 4     | ✓       | 50.0                   | 49.4                | 98.8     |
| cal 5 mdq | 5     | ✓       | 100.0                  | 104.0               | 104.0    |
| cal 6 mdq | 6     | ✓       | 250.0                  | 247.6               | 99.1     |
| cal 7 mdq | 7     | ✓       | 500.0                  | 504.3               | 100.9    |
| cal 8 mdq | 8     | ✓       | 1000.0                 | 1000.5              | 100.1    |

# Compound Calibration Report

|                         |  |                          |                     |
|-------------------------|--|--------------------------|---------------------|
| <b>Batch results</b>    | D:\MassHunter\Data\2022\11\27-28\111822\QuantResults\mdq.batch.bin |                          |                     |
| <b>Last Cal. Update</b> | 11/21/2022 1:39 PM   |                          |                     |
| <b>Analyst Name</b>     | ISP\datastor   |                          |                     |
| <b>Analyte</b>          | Dextromethorphan   | <b>Internal Standard</b> | Dextromethorphan-D3 |

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

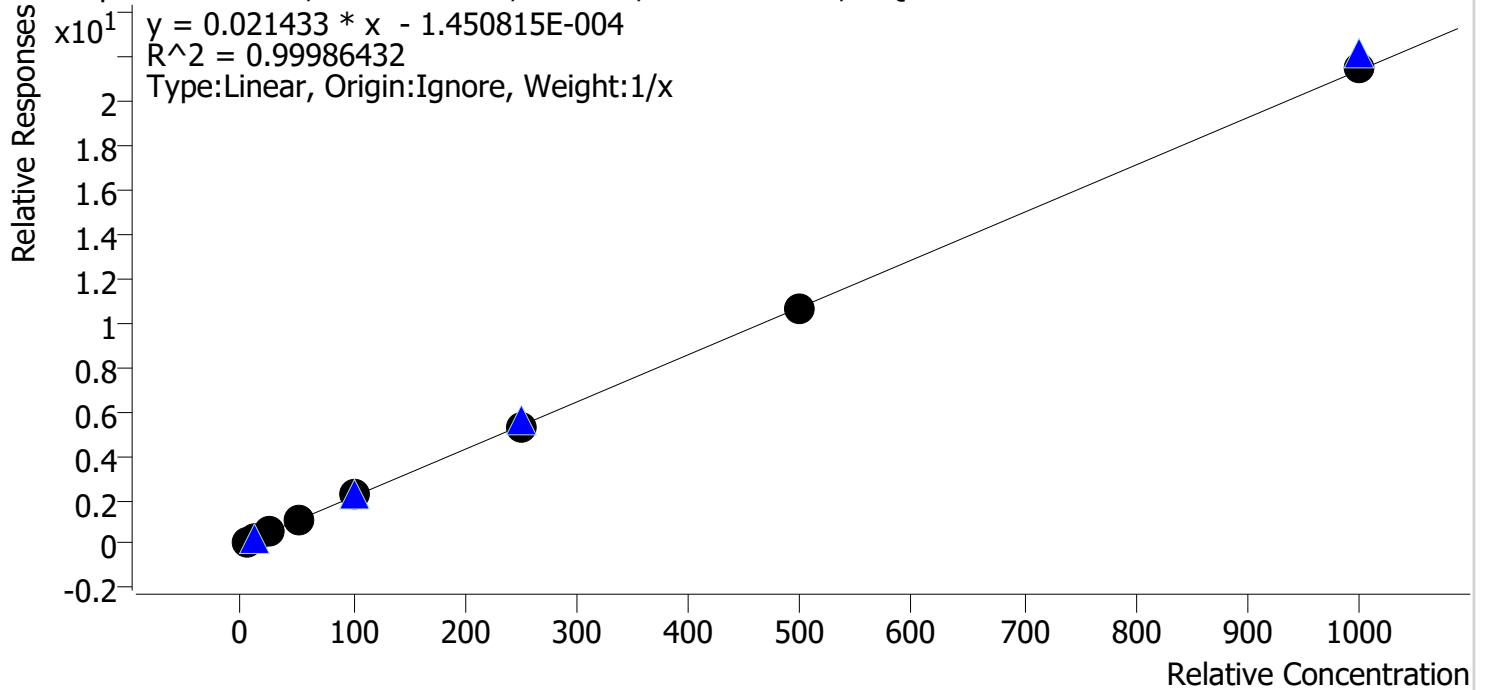


| Sample    | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1     | ✓       | 5.0                    | 5.6                 | 111.3    |
| cal 2 mdq | 2     | ✓       | 10.0                   | 10.3                | 103.5    |
| cal 3 mdq | 3     | ✓       | 25.0                   | 24.2                | 96.9     |
| cal 4 mdq | 4     | ✓       | 50.0                   | 46.9                | 93.8     |
| cal 5 mdq | 5     | ✓       | 100.0                  | 97.0                | 97.0     |
| cal 6 mdq | 6     | ✓       | 250.0                  | 245.1               | 98.0     |
| cal 7 mdq | 7     | ✓       | 500.0                  | 484.3               | 96.9     |
| cal 8 mdq | 8     | ✓       | 1000.0                 | 1026.5              | 102.7    |

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\111822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/21/2022 1:39 PM  
**Analyst Name** ISP\datastor  
**Analyte** Dextrorphan **Internal Standard** Dextrorphan-D3

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

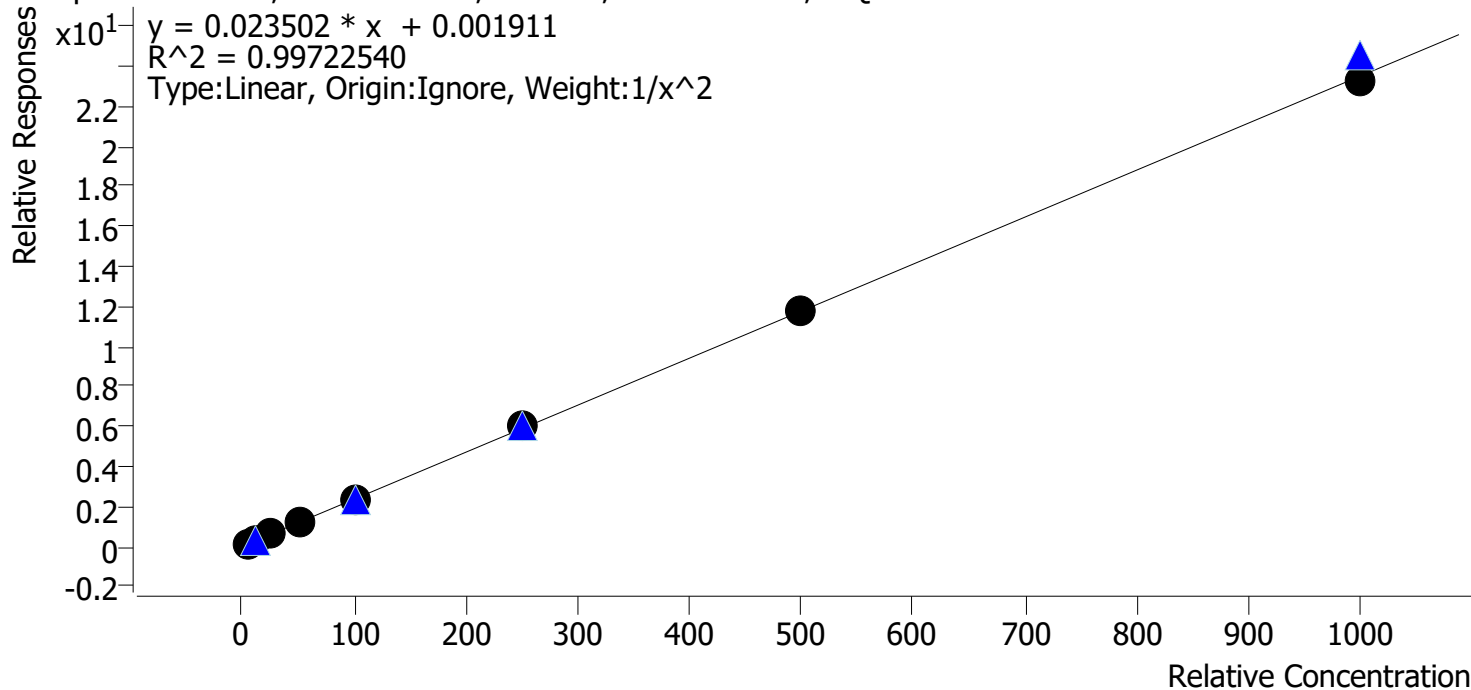


| Sample    | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1     | ✓       | 5.0                    | 5.0                 | 100.4    |
| cal 2 mdq | 2     | ✓       | 10.0                   | 9.9                 | 98.6     |
| cal 3 mdq | 3     | ✓       | 25.0                   | 25.0                | 100.1    |
| cal 4 mdq | 4     | ✓       | 50.0                   | 50.8                | 101.5    |
| cal 5 mdq | 5     | ✓       | 100.0                  | 101.6               | 101.6    |
| cal 6 mdq | 6     | ✓       | 250.0                  | 243.8               | 97.5     |
| cal 7 mdq | 7     | ✓       | 500.0                  | 497.9               | 99.6     |
| cal 8 mdq | 8     | ✓       | 1000.0                 | 1006.0              | 100.6    |

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\111822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/21/2022 1:39 PM  
**Analyst Name** ISP\datastor  
**Analyte** Diazepam **Internal Standard** Diazepam-D5

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

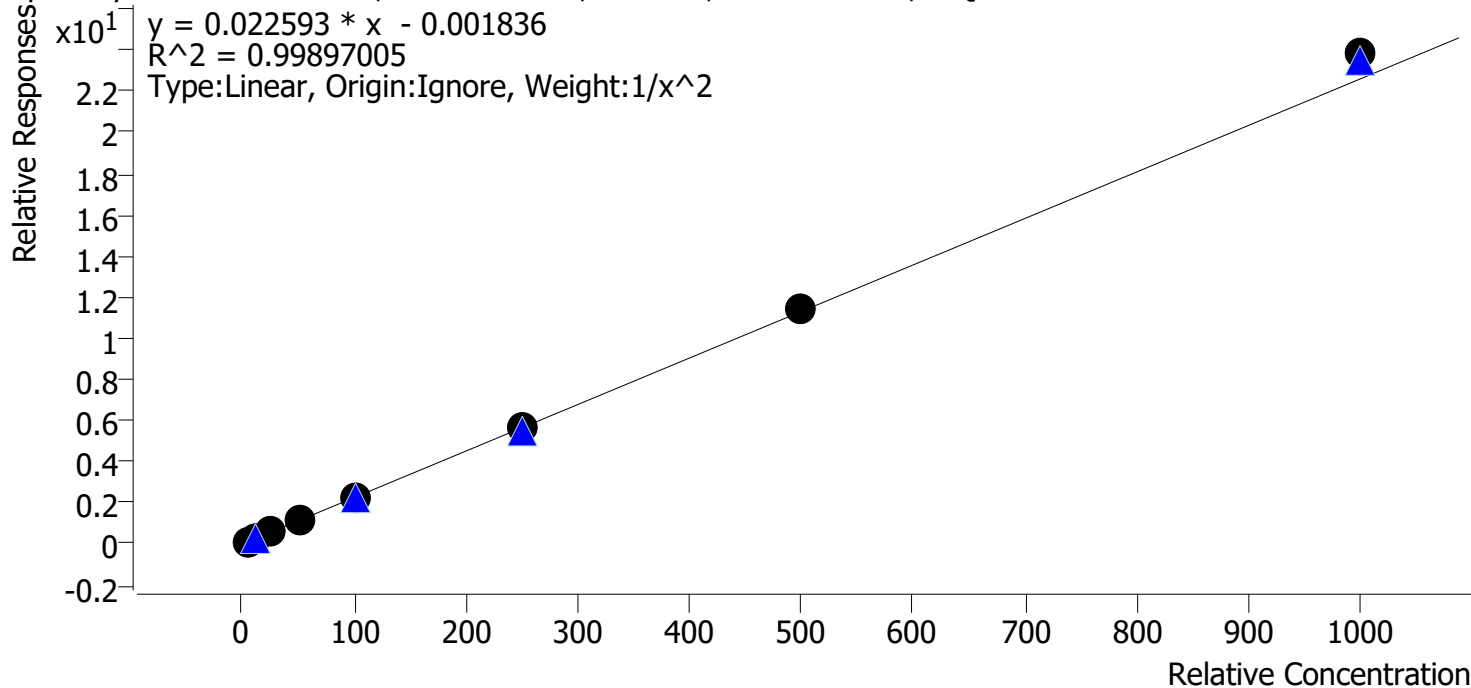


| Sample    | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1     | ✓       | 5.0                    | 5.2                 | 104.7    |
| cal 2 mdq | 2     | ✓       | 10.0                   | 9.0                 | 89.5     |
| cal 3 mdq | 3     | ✓       | 25.0                   | 25.2                | 100.9    |
| cal 4 mdq | 4     | ✓       | 50.0                   | 51.7                | 103.4    |
| cal 5 mdq | 5     | ✓       | 100.0                  | 100.7               | 100.7    |
| cal 6 mdq | 6     | ✓       | 250.0                  | 252.6               | 101.0    |
| cal 7 mdq | 7     | ✓       | 500.0                  | 503.0               | 100.6    |
| cal 8 mdq | 8     | ✓       | 1000.0                 | 991.6               | 99.2     |

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\111822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/21/2022 1:39 PM  
**Analyst Name** ISP\datastor  
**Analyte** Diphenhydramine **Internal Standard** Diphenhydramine-D3

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

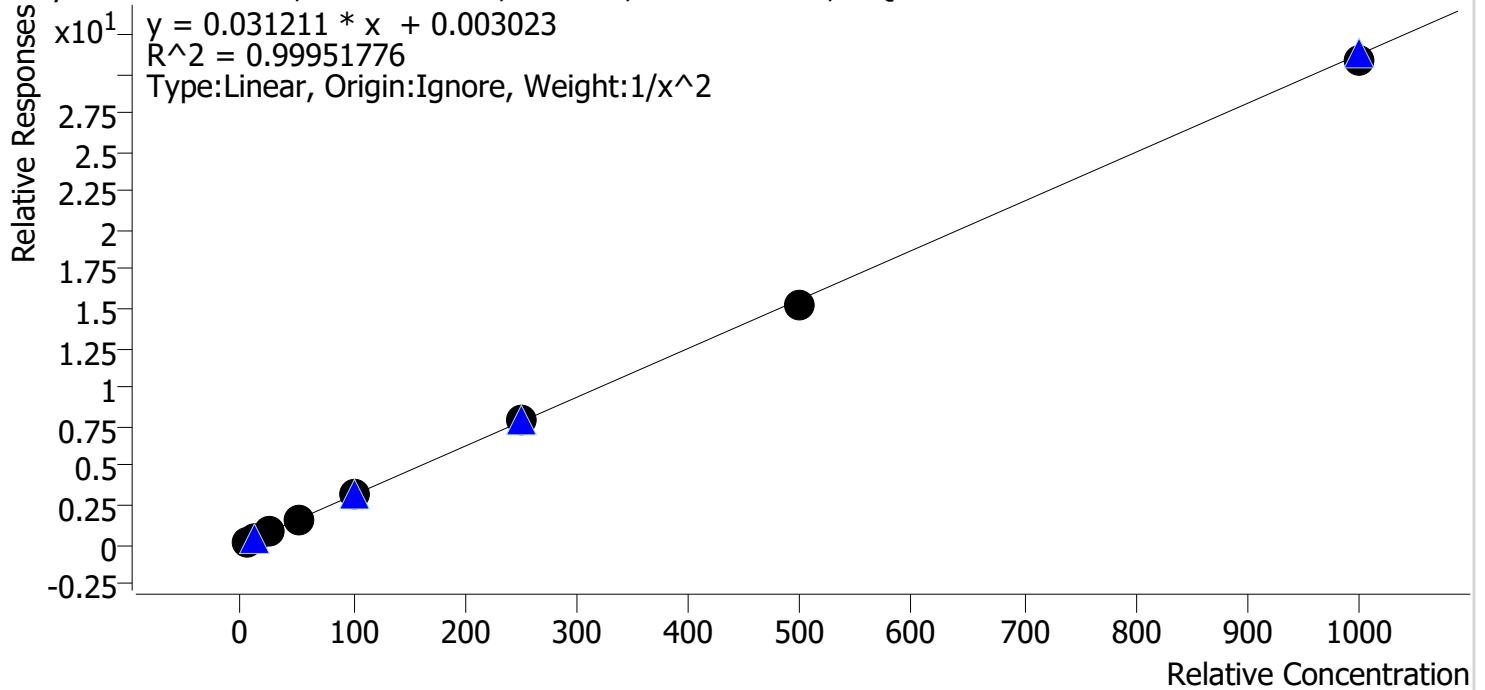


| Sample    | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1     | ✓       | 5.0                    | 5.1                 | 101.2    |
| cal 2 mdq | 2     | ✓       | 10.0                   | 9.9                 | 99.2     |
| cal 3 mdq | 3     | ✓       | 25.0                   | 24.4                | 97.8     |
| cal 4 mdq | 4     | ✓       | 50.0                   | 48.2                | 96.5     |
| cal 5 mdq | 5     | ✓       | 100.0                  | 98.3                | 98.3     |
| cal 6 mdq | 6     | ✓       | 250.0                  | 250.1               | 100.0    |
| cal 7 mdq | 7     | ✓       | 500.0                  | 507.6               | 101.5    |
| cal 8 mdq | 8     | ✓       | 1000.0                 | 1054.5              | 105.5    |

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\111822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/21/2022 1:39 PM  
**Analyst Name** ISP\datastor  
**Analyte** Doxylamine **Internal Standard** Doxylamine-D5

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

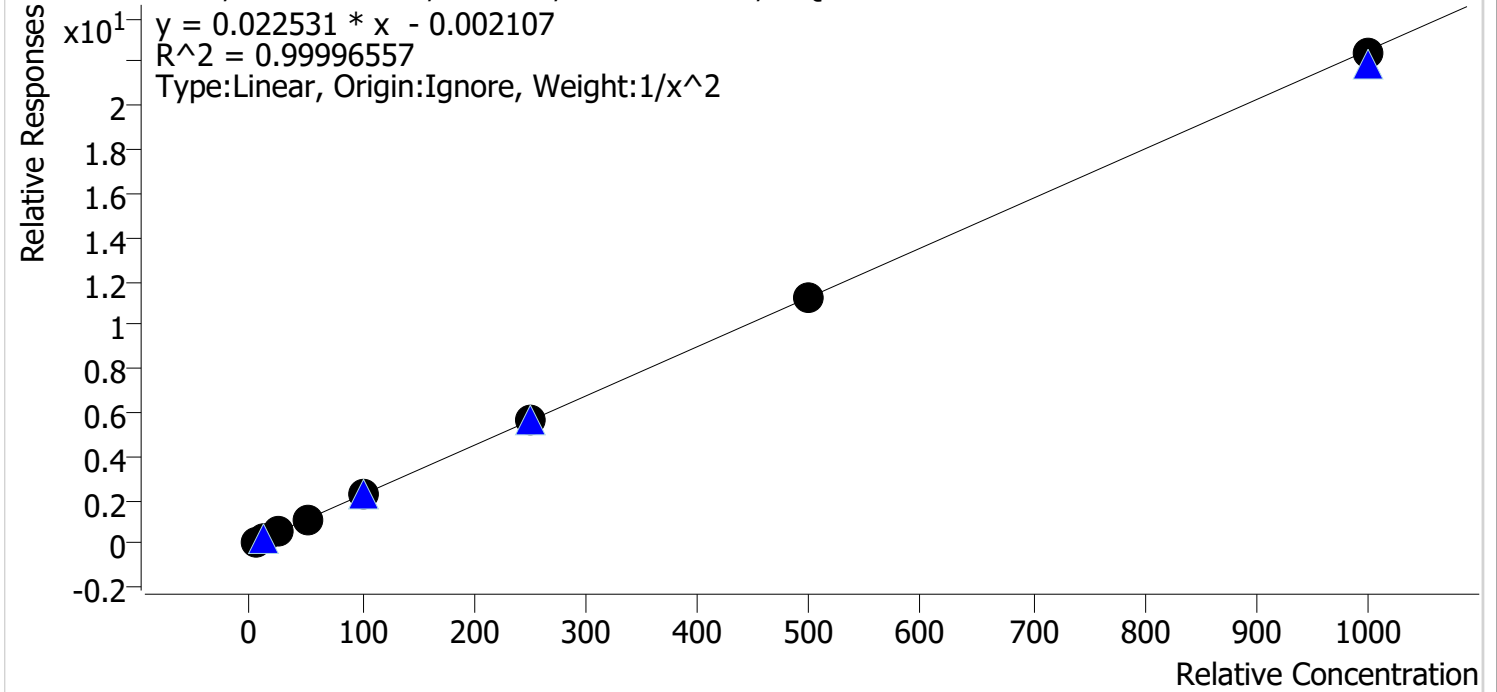


| Sample    | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1     | ✓       | 5.0                    | 5.0                 | 100.9    |
| cal 2 mdq | 2     | ✓       | 10.0                   | 9.8                 | 97.7     |
| cal 3 mdq | 3     | ✓       | 25.0                   | 25.3                | 101.0    |
| cal 4 mdq | 4     | ✓       | 50.0                   | 49.5                | 98.9     |
| cal 5 mdq | 5     | ✓       | 100.0                  | 102.9               | 102.9    |
| cal 6 mdq | 6     | ✓       | 250.0                  | 254.7               | 101.9    |
| cal 7 mdq | 7     | ✓       | 500.0                  | 490.5               | 98.1     |
| cal 8 mdq | 8     | ✓       | 1000.0                 | 986.3               | 98.6     |

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\111822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/21/2022 1:39 PM  
**Analyst Name** ISP\datastor  
**Analyte** EDDP **Internal Standard** EDDP-D3

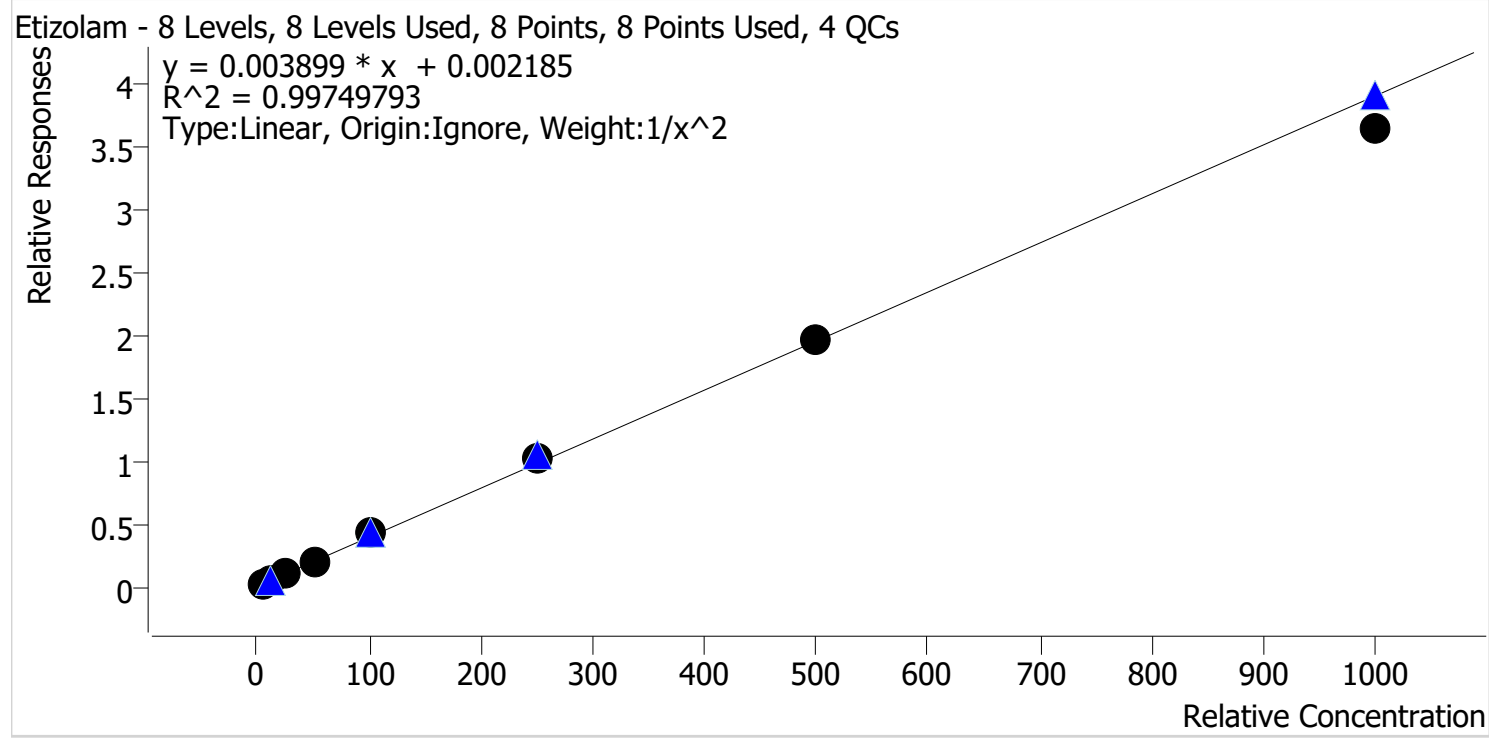
EDDP - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



| Sample    | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1     | ✓       | 5.0                    | 5.0                 | 100.0    |
| cal 2 mdq | 2     | ✓       | 10.0                   | 10.0                | 99.7     |
| cal 3 mdq | 3     | ✓       | 25.0                   | 25.1                | 100.5    |
| cal 4 mdq | 4     | ✓       | 50.0                   | 49.9                | 99.8     |
| cal 5 mdq | 5     | ✓       | 100.0                  | 100.3               | 100.3    |
| cal 6 mdq | 6     | ✓       | 250.0                  | 252.1               | 100.8    |
| cal 7 mdq | 7     | ✓       | 500.0                  | 497.6               | 99.5     |
| cal 8 mdq | 8     | ✓       | 1000.0                 | 993.2               | 99.3     |

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\11\27-28\111822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/21/2022 1:39 PM  
**Analyst Name** ISP\datastor  
**Analyte** Etizolam **Internal Standard** Diazepam-D5



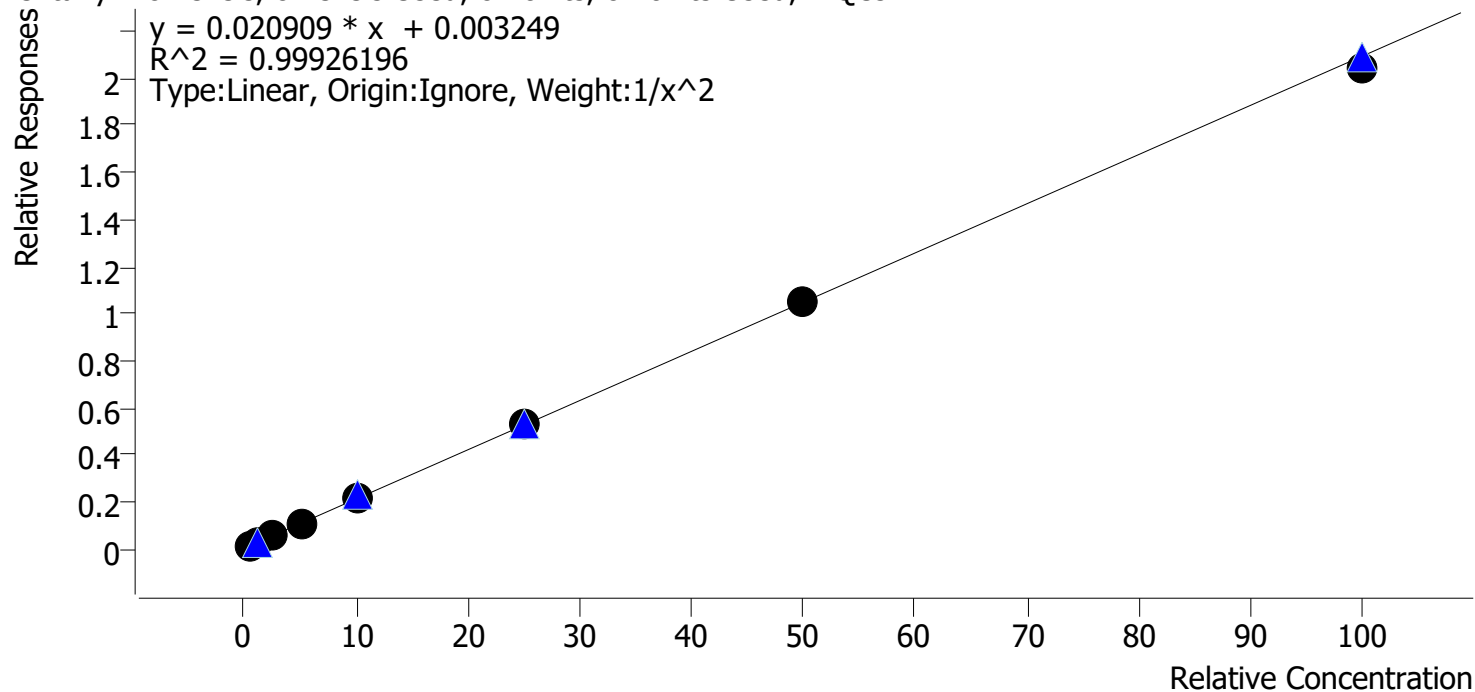
| Sample    | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1     | ✓       | 5.0                    | 5.1                 | 101.1    |
| cal 2 mdq | 2     | ✓       | 10.0                   | 9.8                 | 98.1     |
| cal 3 mdq | 3     | ✓       | 25.0                   | 24.8                | 99.3     |
| cal 4 mdq | 4     | ✓       | 50.0                   | 48.0                | 95.9     |
| cal 5 mdq | 5     | ✓       | 100.0                  | 107.6               | 107.6    |
| cal 6 mdq | 6     | ✓       | 250.0                  | 258.6               | 103.4    |
| cal 7 mdq | 7     | ✓       | 500.0                  | 504.3               | 100.9    |
| cal 8 mdq | 8     | ✓       | 1000.0                 | 937.0               | 93.7     |



# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\111822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/21/2022 1:39 PM  
**Analyst Name** ISP\datastor  
**Analyte** Fentanyl **Internal Standard** Fentanyl-D5

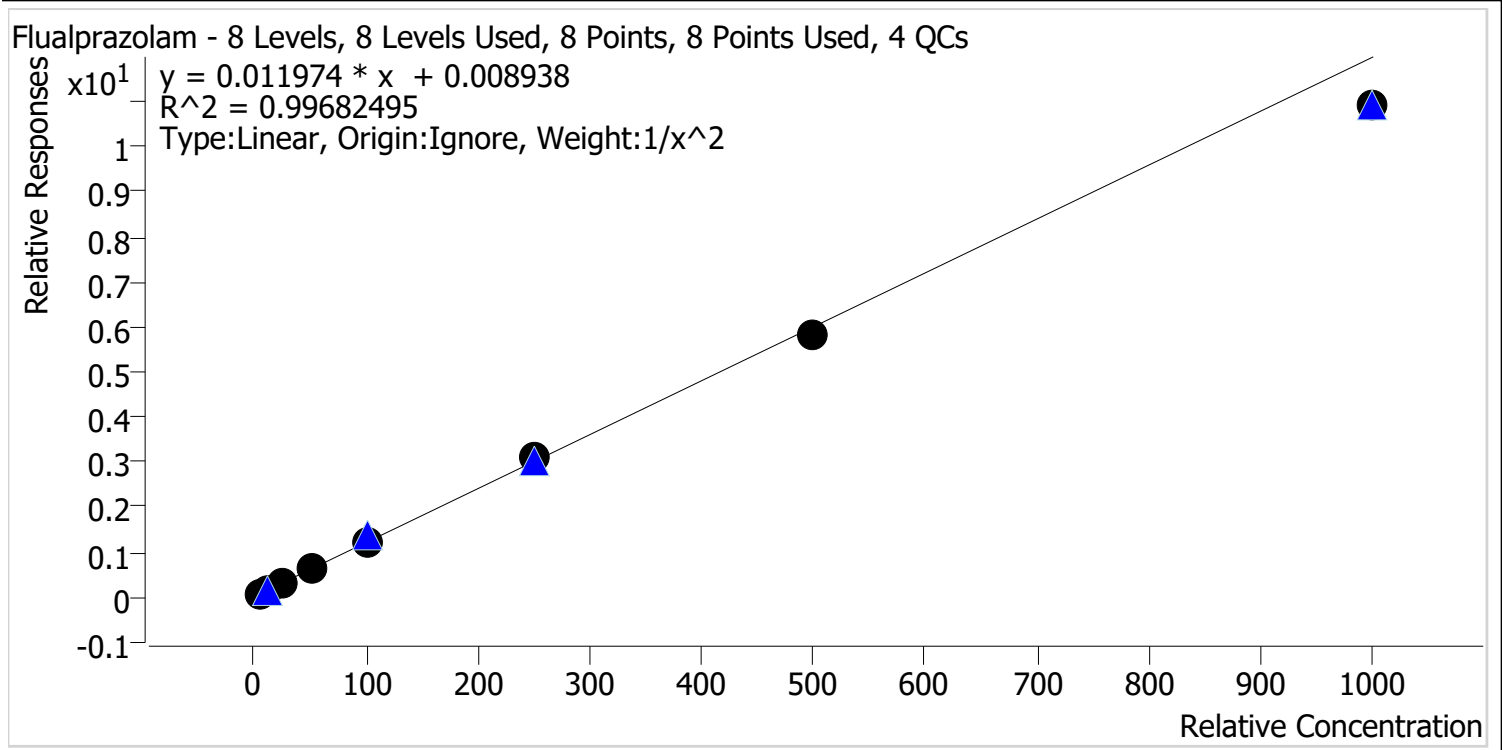
Fentanyl - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



| Sample    | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1     | ✓       | 0.5                    | 0.5                 | 98.5     |
| cal 2 mdq | 2     | ✓       | 1.0                    | 1.0                 | 104.0    |
| cal 3 mdq | 3     | ✓       | 2.5                    | 2.4                 | 96.7     |
| cal 4 mdq | 4     | ✓       | 5.0                    | 5.1                 | 102.1    |
| cal 5 mdq | 5     | ✓       | 10.0                   | 10.0                | 99.8     |
| cal 6 mdq | 6     | ✓       | 25.0                   | 25.2                | 100.6    |
| cal 7 mdq | 7     | ✓       | 50.0                   | 50.2                | 100.5    |
| cal 8 mdq | 8     | ✓       | 100.0                  | 97.9                | 97.9     |

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\111822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/21/2022 1:39 PM  
**Analyst Name** ISP\datastor  
**Analyte** Flualprazolam **Internal Standard** Alprazolam-D5



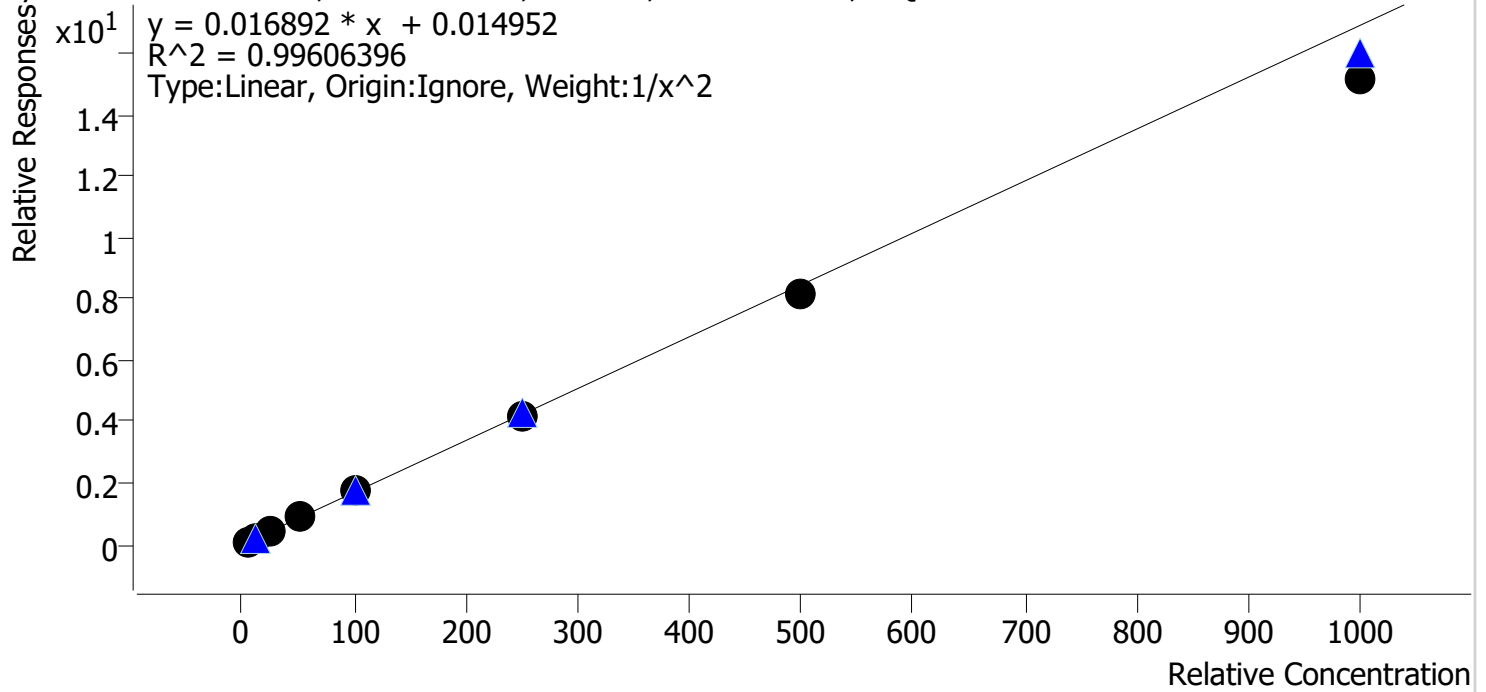
| Sample    | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1     | ✓       | 5.0                    | 4.9                 | 99.0     |
| cal 2 mdq | 2     | ✓       | 10.0                   | 9.9                 | 98.6     |
| cal 3 mdq | 3     | ✓       | 25.0                   | 26.9                | 107.6    |
| cal 4 mdq | 4     | ✓       | 50.0                   | 50.4                | 100.7    |
| cal 5 mdq | 5     | ✓       | 100.0                  | 103.1               | 103.1    |
| cal 6 mdq | 6     | ✓       | 250.0                  | 257.4               | 103.0    |
| cal 7 mdq | 7     | ✓       | 500.0                  | 485.1               | 97.0     |
| cal 8 mdq | 8     | ✓       | 1000.0                 | 910.5               | 91.1     |



# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\111822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/21/2022 1:39 PM  
**Analyst Name** ISP\datastor  
**Analyte** Hydrocodone **Internal Standard** Hydrocodone-D6

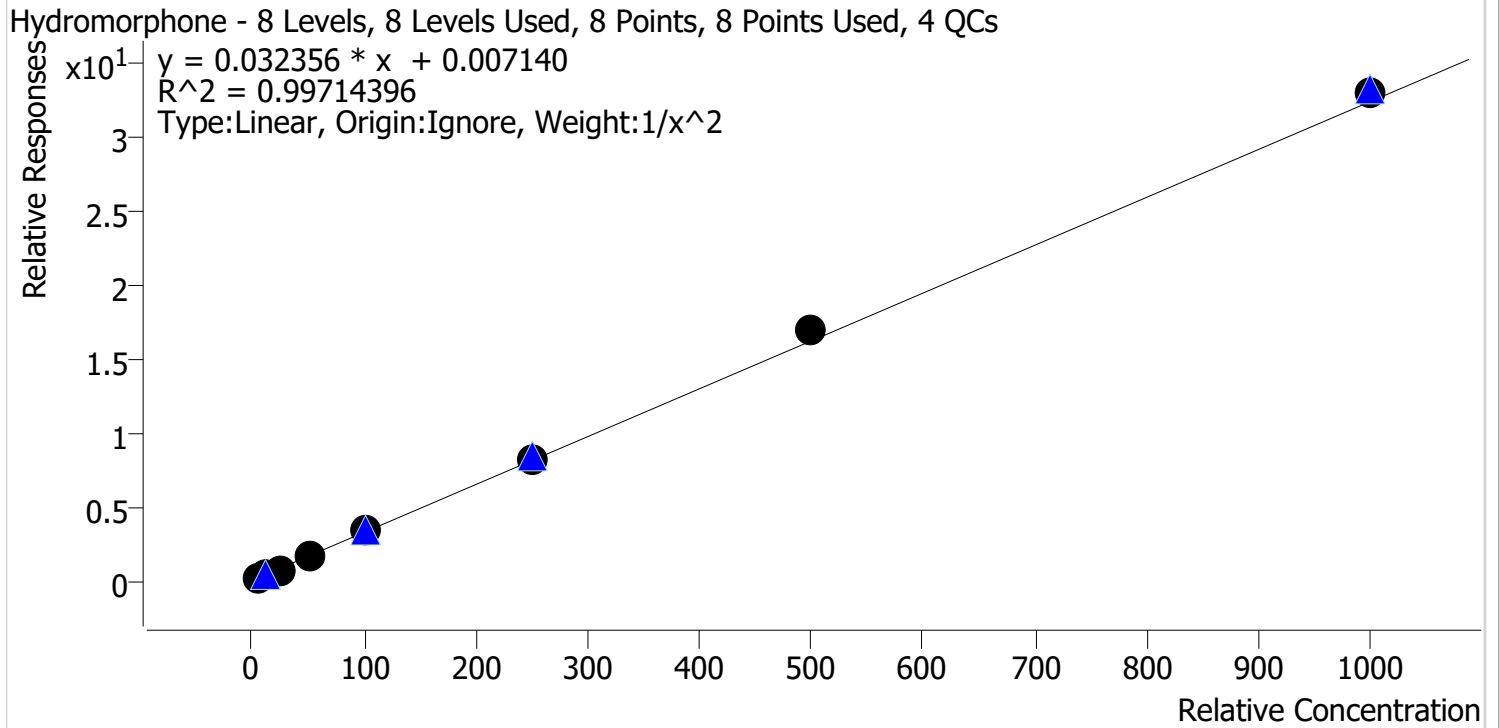
Hydrocodone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



| Sample    | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1     | ✓       | 5.0                    | 4.9                 | 97.8     |
| cal 2 mdq | 2     | ✓       | 10.0                   | 10.1                | 100.6    |
| cal 3 mdq | 3     | ✓       | 25.0                   | 26.3                | 105.4    |
| cal 4 mdq | 4     | ✓       | 50.0                   | 53.6                | 107.1    |
| cal 5 mdq | 5     | ✓       | 100.0                  | 103.0               | 103.0    |
| cal 6 mdq | 6     | ✓       | 250.0                  | 248.8               | 99.5     |
| cal 7 mdq | 7     | ✓       | 500.0                  | 483.3               | 96.7     |
| cal 8 mdq | 8     | ✓       | 1000.0                 | 898.4               | 89.8     |

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\111822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/21/2022 1:39 PM  
**Analyst Name** ISP\datastor  
**Analyte** Hydromorphone **Internal Standard** Hydromorphone-D6

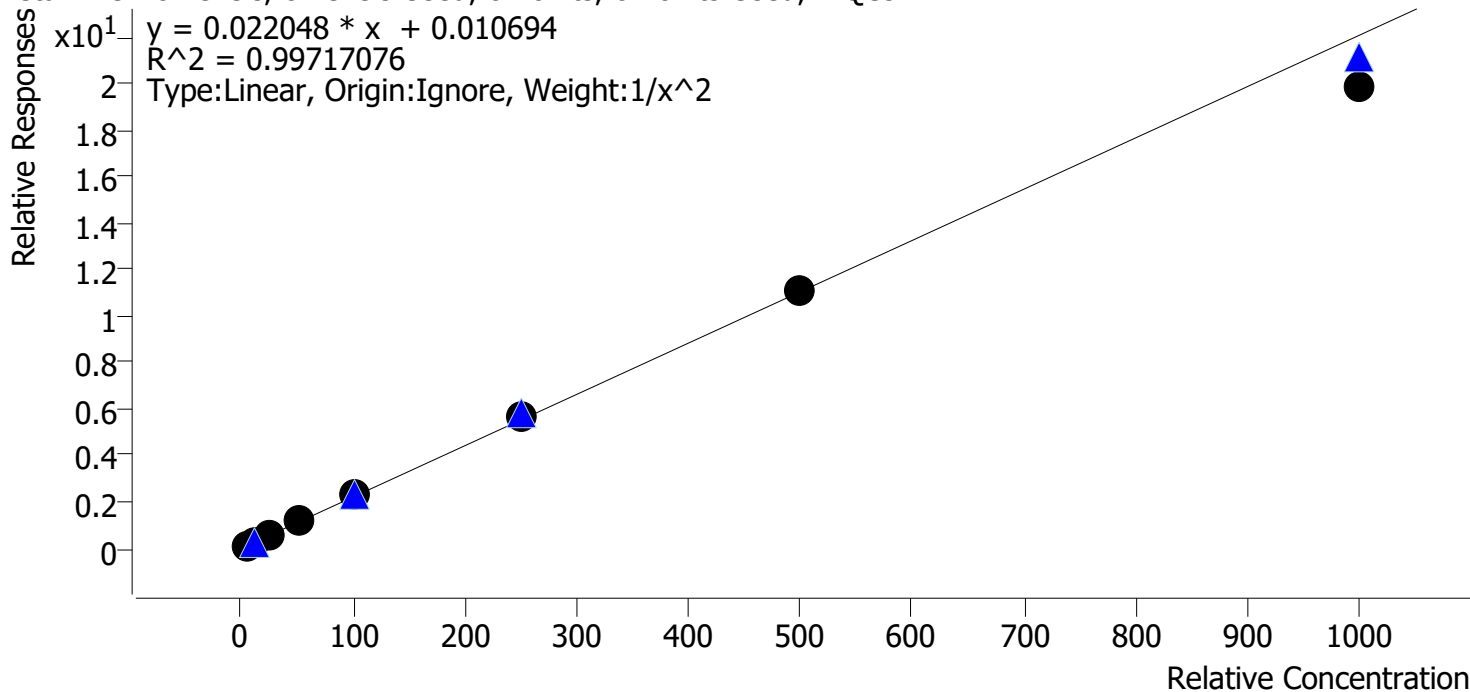


| Sample    | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1     | ✓       | 5.0                    | 5.1                 | 101.9    |
| cal 2 mdq | 2     | ✓       | 10.0                   | 10.0                | 99.8     |
| cal 3 mdq | 3     | ✓       | 25.0                   | 23.1                | 92.6     |
| cal 4 mdq | 4     | ✓       | 50.0                   | 47.0                | 94.1     |
| cal 5 mdq | 5     | ✓       | 100.0                  | 105.3               | 105.3    |
| cal 6 mdq | 6     | ✓       | 250.0                  | 248.6               | 99.4     |
| cal 7 mdq | 7     | ✓       | 500.0                  | 525.0               | 105.0    |
| cal 8 mdq | 8     | ✓       | 1000.0                 | 1019.7              | 102.0    |

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\111822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/21/2022 1:39 PM  
**Analyst Name** ISP\datastor  
**Analyte** Ketamine **Internal Standard** Ketamine-D4

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

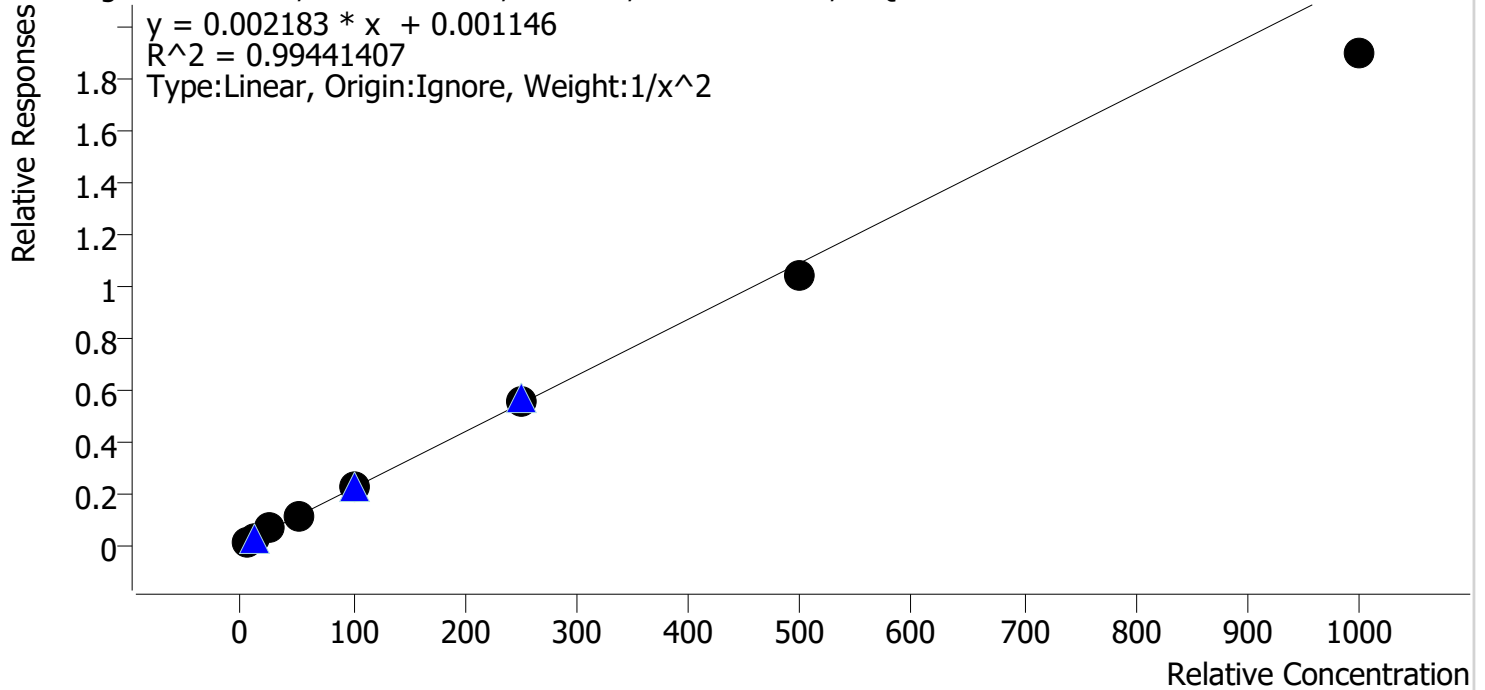


| Sample    | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1     | ✓       | 5.0                    | 4.9                 | 98.7     |
| cal 2 mdq | 2     | ✓       | 10.0                   | 10.1                | 100.7    |
| cal 3 mdq | 3     | ✓       | 25.0                   | 25.3                | 101.1    |
| cal 4 mdq | 4     | ✓       | 50.0                   | 53.0                | 105.9    |
| cal 5 mdq | 5     | ✓       | 100.0                  | 101.7               | 101.7    |
| cal 6 mdq | 6     | ✓       | 250.0                  | 255.0               | 102.0    |
| cal 7 mdq | 7     | ✓       | 500.0                  | 499.8               | 100.0    |
| cal 8 mdq | 8     | ✓       | 1000.0                 | 898.0               | 89.8     |

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\111822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/21/2022 1:39 PM  
**Analyst Name** ISP\datastor  
**Analyte** Lamotrigine **Internal Standard** MDA-D5

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

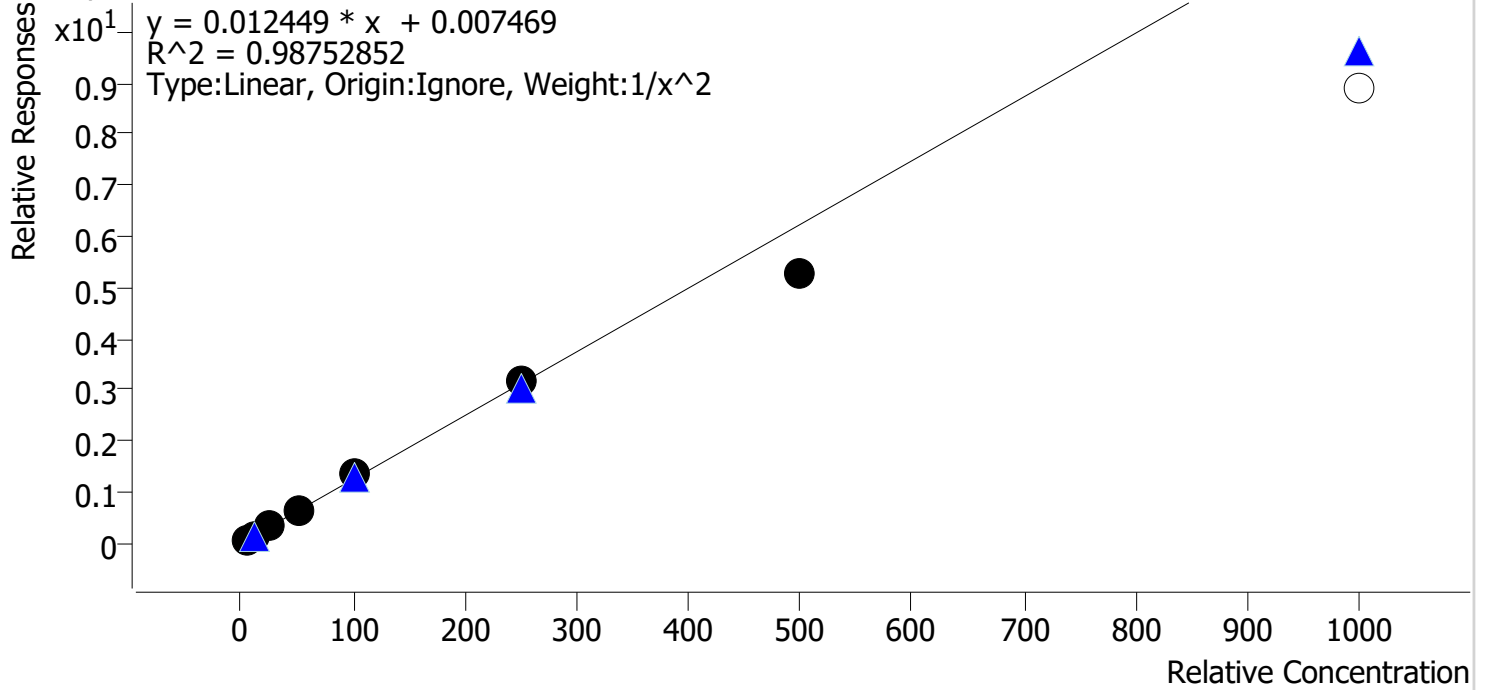


| Sample    | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1     | ✓       | 5.0                    | 4.8                 | 96.4     |
| cal 2 mdq | 2     | ✓       | 10.0                   | 10.3                | 103.0    |
| cal 3 mdq | 3     | ✓       | 25.0                   | 27.0                | 107.9    |
| cal 4 mdq | 4     | ✓       | 50.0                   | 51.9                | 103.8    |
| cal 5 mdq | 5     | ✓       | 100.0                  | 103.7               | 103.7    |
| cal 6 mdq | 6     | ✓       | 250.0                  | 254.9               | 102.0    |
| cal 7 mdq | 7     | ✓       | 500.0                  | 480.8               | 96.2     |
| cal 8 mdq | 8     | ✓       | 1000.0                 | 871.2               | 87.1     |

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\111822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/21/2022 1:39 PM  
**Analyst Name** ISP\datastor  
**Analyte** Lorazepam **Internal Standard** Oxazepam-D5

Lorazepam - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 4 QCs



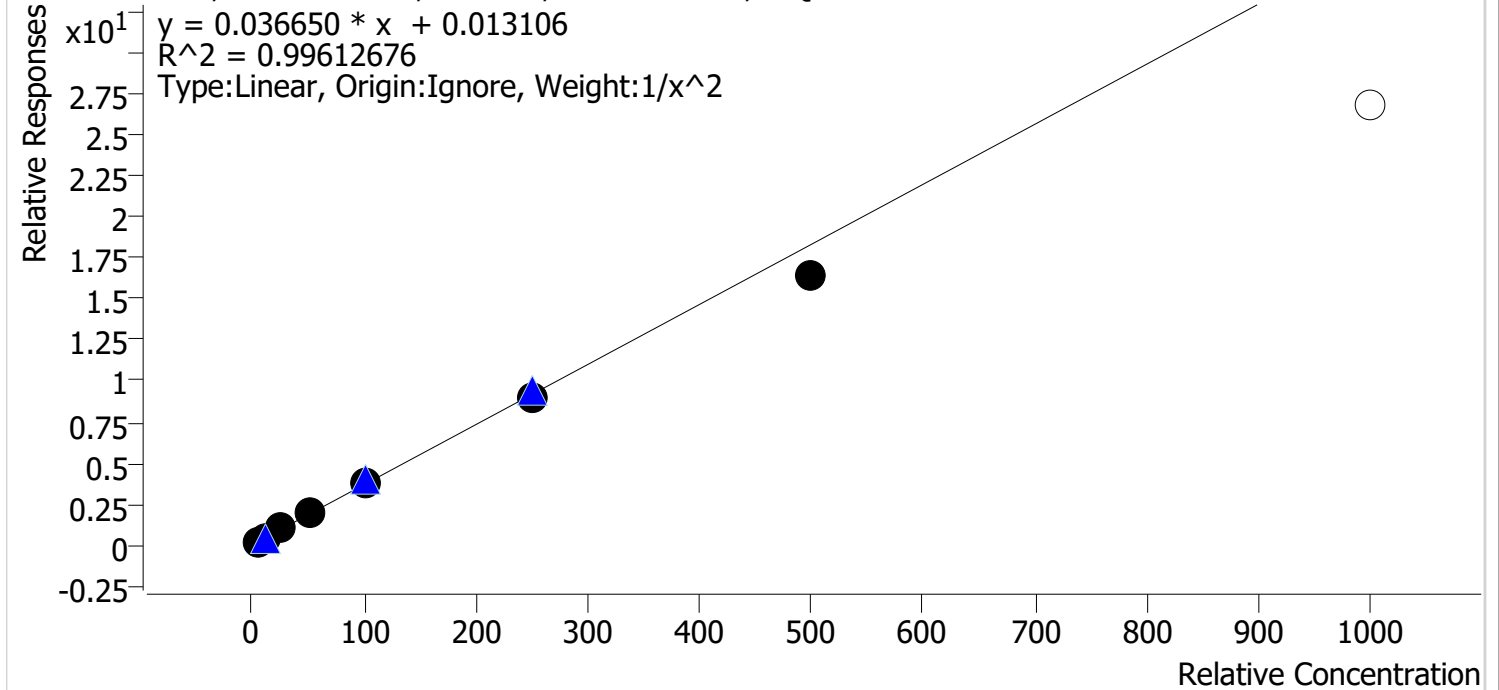
| Sample    | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1     | ✓       | 5.0                    | 5.1                 | 102.5    |
| cal 2 mdq | 2     | ✓       | 10.0                   | 8.9                 | 89.4     |
| cal 3 mdq | 3     | ✓       | 25.0                   | 27.9                | 111.7    |
| cal 4 mdq | 4     | ✓       | 50.0                   | 51.5                | 103.0    |
| cal 5 mdq | 5     | ✓       | 100.0                  | 106.0               | 106.0    |
| cal 6 mdq | 6     | ✓       | 250.0                  | 256.9               | 102.8    |
| cal 7 mdq | 7     | ✓       | 500.0                  | 423.6               | 84.7     |
| cal 8 mdq | 8     | x       | 1000.0                 | 713.8               | 71.4     |



# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\111822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/21/2022 1:39 PM  
**Analyst Name** ISP\datastor  
**Analyte** MDA **Internal Standard** MDA-D5

MDA - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 4 QCs

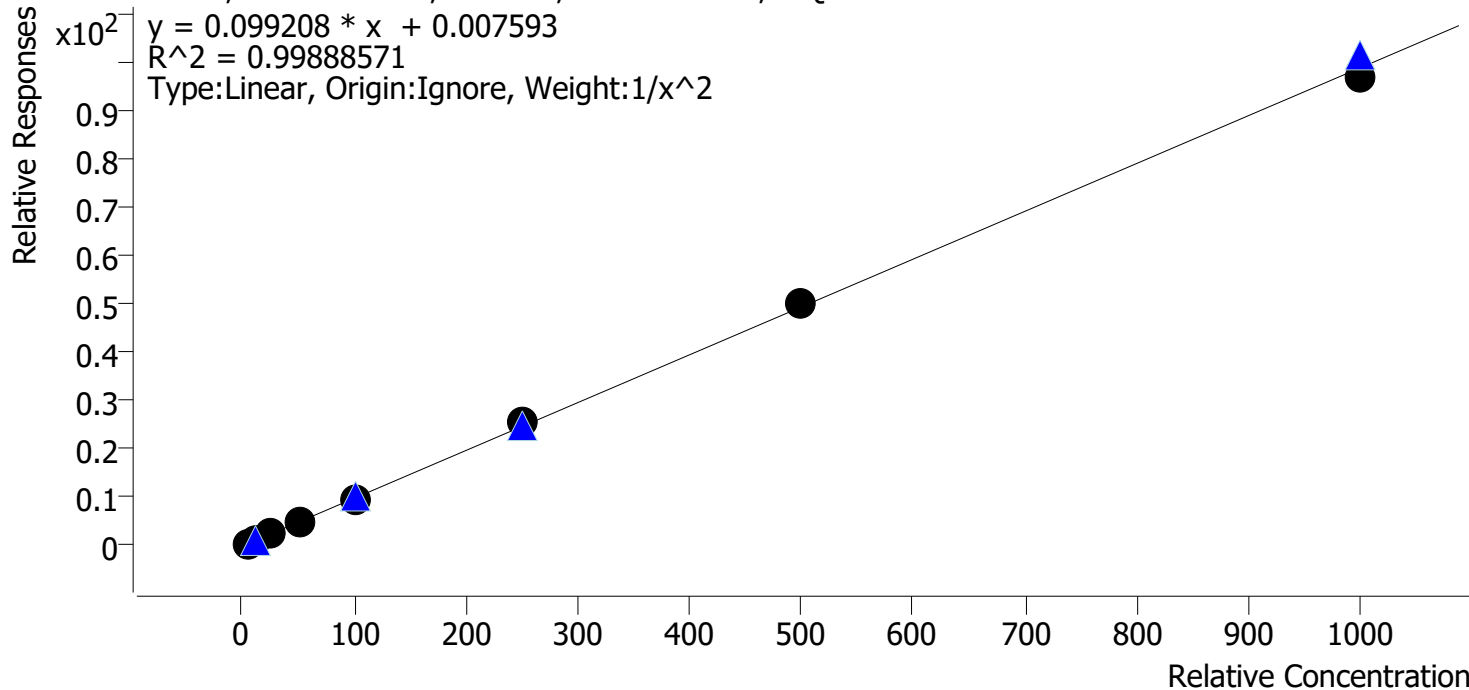


| Sample    | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1     | ✓       | 5.0                    | 4.9                 | 97.9     |
| cal 2 mdq | 2     | ✓       | 10.0                   | 10.1                | 101.5    |
| cal 3 mdq | 3     | ✓       | 25.0                   | 26.2                | 104.8    |
| cal 4 mdq | 4     | ✓       | 50.0                   | 51.9                | 103.8    |
| cal 5 mdq | 5     | ✓       | 100.0                  | 103.6               | 103.6    |
| cal 6 mdq | 6     | ✓       | 250.0                  | 247.2               | 98.9     |
| cal 7 mdq | 7     | ✓       | 500.0                  | 447.9               | 89.6     |
| cal 8 mdq | 8     | ✗       | 1000.0                 | 733.8               | 73.4     |

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\11\27-28\111822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/21/2022 1:39 PM  
**Analyst Name** ISP\datastor  
**Analyte** MDMA **Internal Standard** MDMA-D6

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

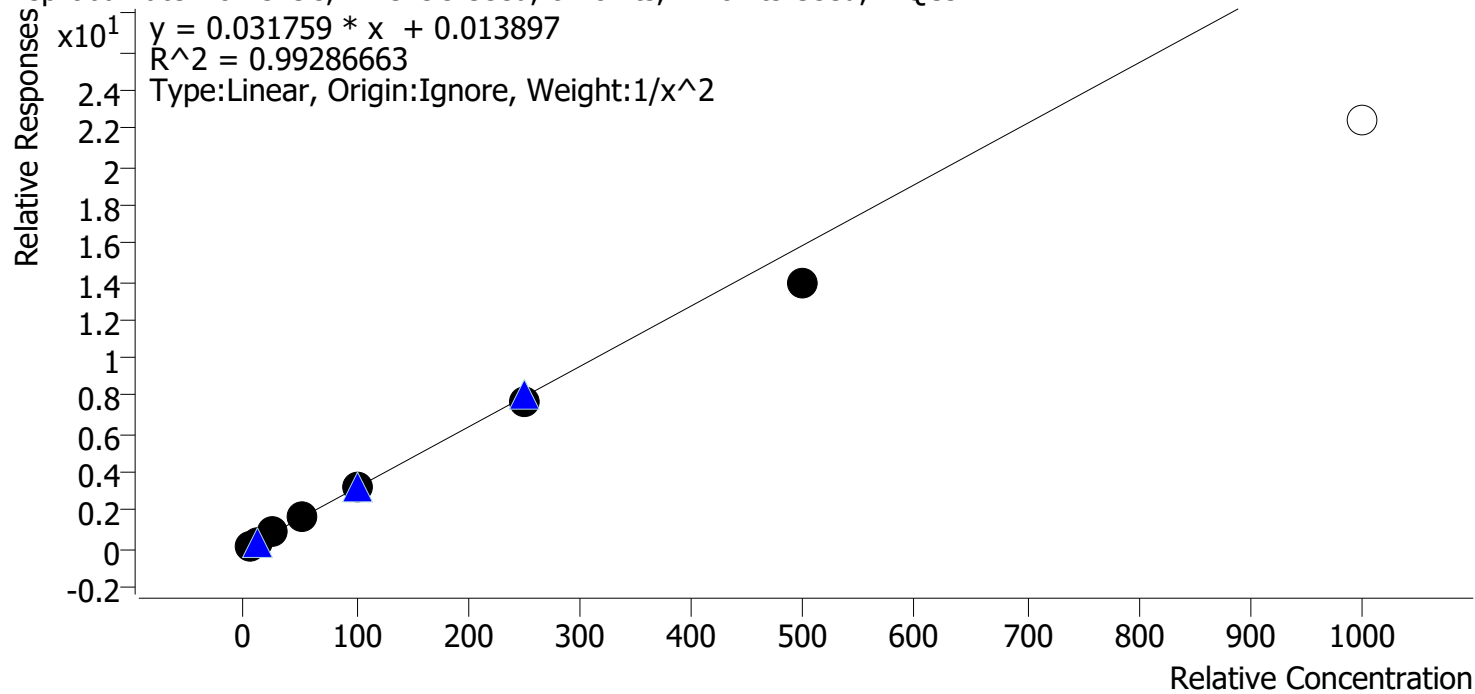


| Sample    | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1     | ✓       | 5.0                    | 5.0                 | 100.5    |
| cal 2 mdq | 2     | ✓       | 10.0                   | 10.0                | 100.0    |
| cal 3 mdq | 3     | ✓       | 25.0                   | 24.4                | 97.6     |
| cal 4 mdq | 4     | ✓       | 50.0                   | 50.3                | 100.6    |
| cal 5 mdq | 5     | ✓       | 100.0                  | 95.8                | 95.8     |
| cal 6 mdq | 6     | ✓       | 250.0                  | 262.8               | 105.1    |
| cal 7 mdq | 7     | ✓       | 500.0                  | 511.2               | 102.2    |
| cal 8 mdq | 8     | ✓       | 1000.0                 | 982.0               | 98.2     |

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\11-28\111822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/21/2022 1:39 PM  
**Analyst Name** ISP\datastor  
**Analyte** Meprobamate **Internal Standard** Meprobamate-D7

Meprobamate - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 4 QCs

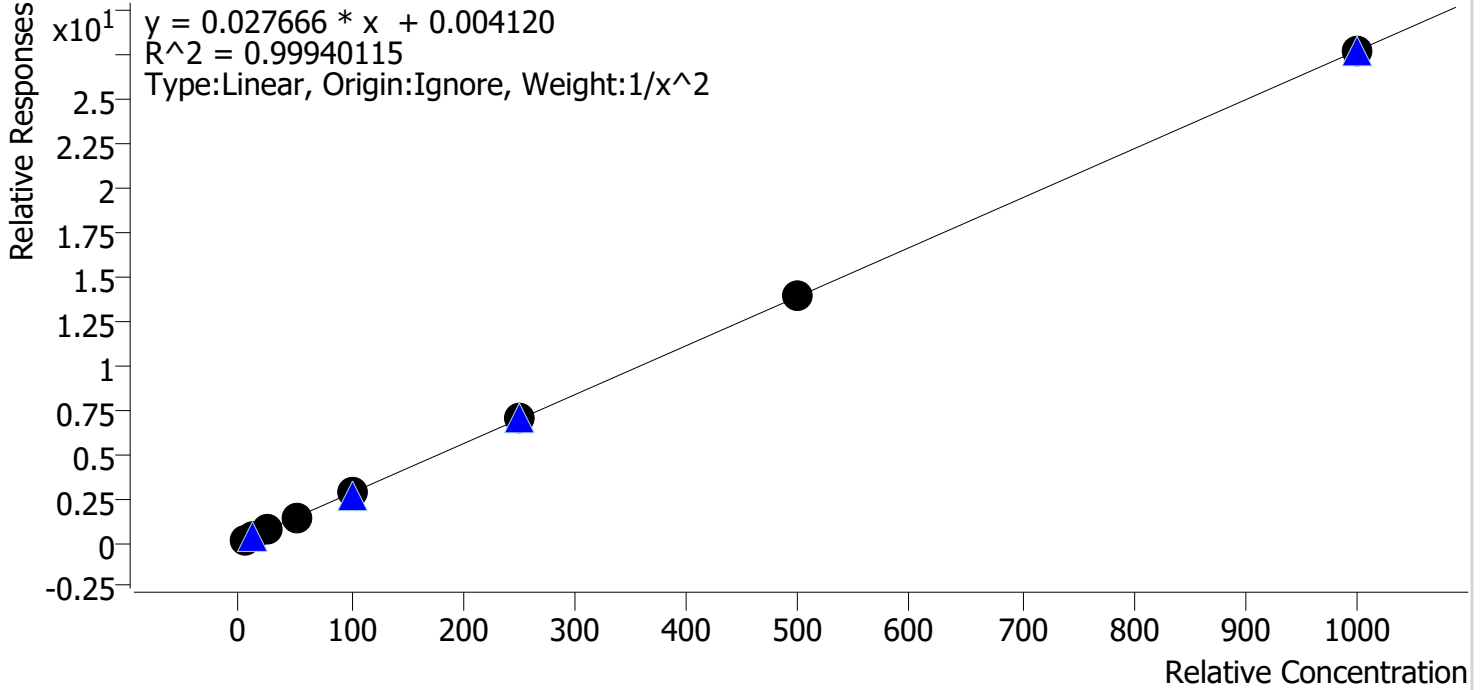


| Sample    | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1     | ✓       | 5.0                    | 4.8                 | 96.2     |
| cal 2 mdq | 2     | ✓       | 10.0                   | 10.4                | 103.8    |
| cal 3 mdq | 3     | ✓       | 25.0                   | 26.6                | 106.3    |
| cal 4 mdq | 4     | ✓       | 50.0                   | 53.4                | 106.8    |
| cal 5 mdq | 5     | ✓       | 100.0                  | 103.6               | 103.6    |
| cal 6 mdq | 6     | ✓       | 250.0                  | 240.9               | 96.4     |
| cal 7 mdq | 7     | ✓       | 500.0                  | 435.2               | 87.0     |
| cal 8 mdq | 8     | ✗       | 1000.0                 | 704.7               | 70.5     |

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\111822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/21/2022 1:39 PM  
**Analyst Name** ISP\datastor  
**Analyte** Methadone **Internal Standard** Methadone-D9

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

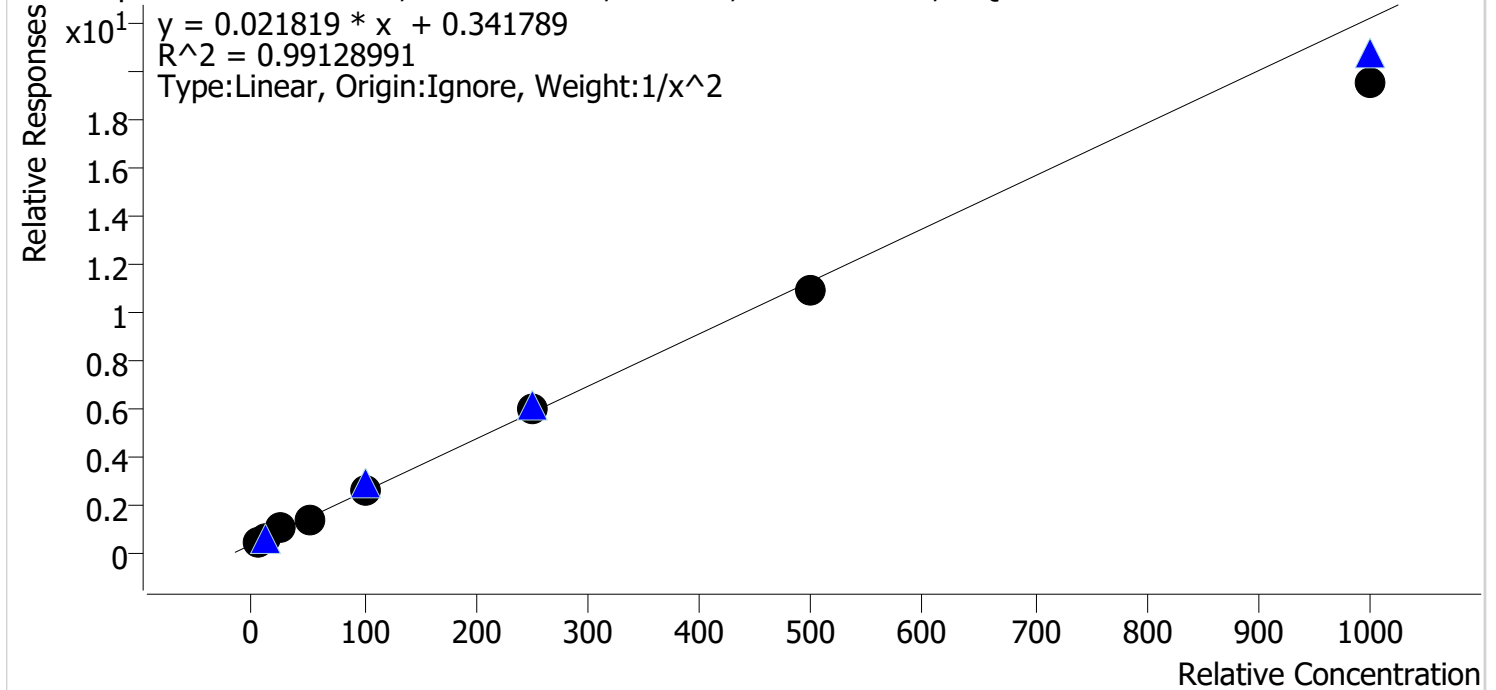


| Sample    | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1     | ✓       | 5.0                    | 5.0                 | 99.4     |
| cal 2 mdq | 2     | ✓       | 10.0                   | 10.3                | 102.9    |
| cal 3 mdq | 3     | ✓       | 25.0                   | 23.9                | 95.5     |
| cal 4 mdq | 4     | ✓       | 50.0                   | 49.9                | 99.8     |
| cal 5 mdq | 5     | ✓       | 100.0                  | 101.3               | 101.3    |
| cal 6 mdq | 6     | ✓       | 250.0                  | 252.0               | 100.8    |
| cal 7 mdq | 7     | ✓       | 500.0                  | 502.3               | 100.5    |
| cal 8 mdq | 8     | ✓       | 1000.0                 | 998.1               | 99.8     |

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\111822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/21/2022 1:39 PM  
**Analyst Name** ISP\datastor  
**Analyte** Methamphetamine **Internal Standard** **Methamphetamine-D11**

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

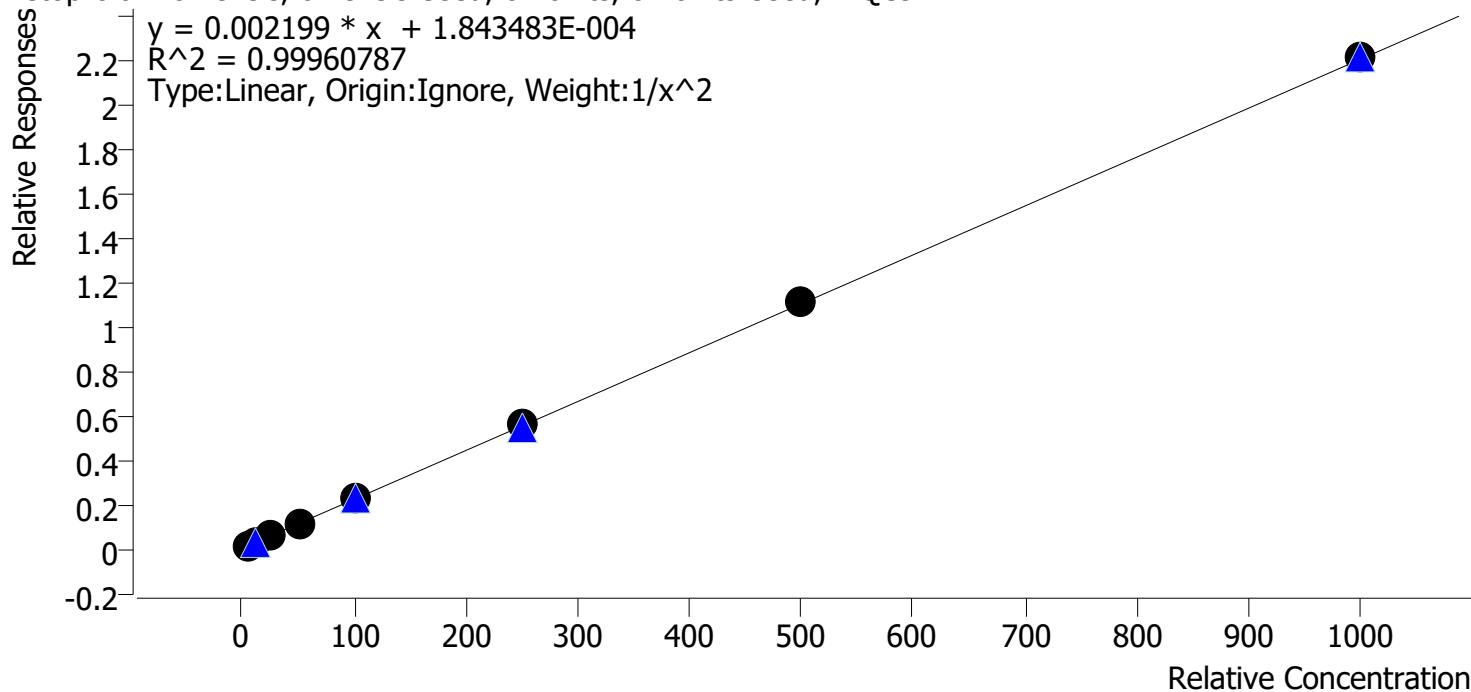


| Sample    | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1     | ✓       | 5.0                    | 4.7                 | 93.9     |
| cal 2 mdq | 2     | ✓       | 10.0                   | 10.7                | 106.9    |
| cal 3 mdq | 3     | ✓       | 25.0                   | 28.6                | 114.4    |
| cal 4 mdq | 4     | ✓       | 50.0                   | 48.6                | 97.3     |
| cal 5 mdq | 5     | ✓       | 100.0                  | 101.3               | 101.3    |
| cal 6 mdq | 6     | ✓       | 250.0                  | 253.9               | 101.6    |
| cal 7 mdq | 7     | ✓       | 500.0                  | 484.4               | 96.9     |
| cal 8 mdq | 8     | ✓       | 1000.0                 | 877.1               | 87.7     |

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\111822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/21/2022 1:39 PM  
**Analyst Name** ISP\datastor  
**Analyte** Metoprolol **Internal Standard** Pseudoephedrine-D3

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

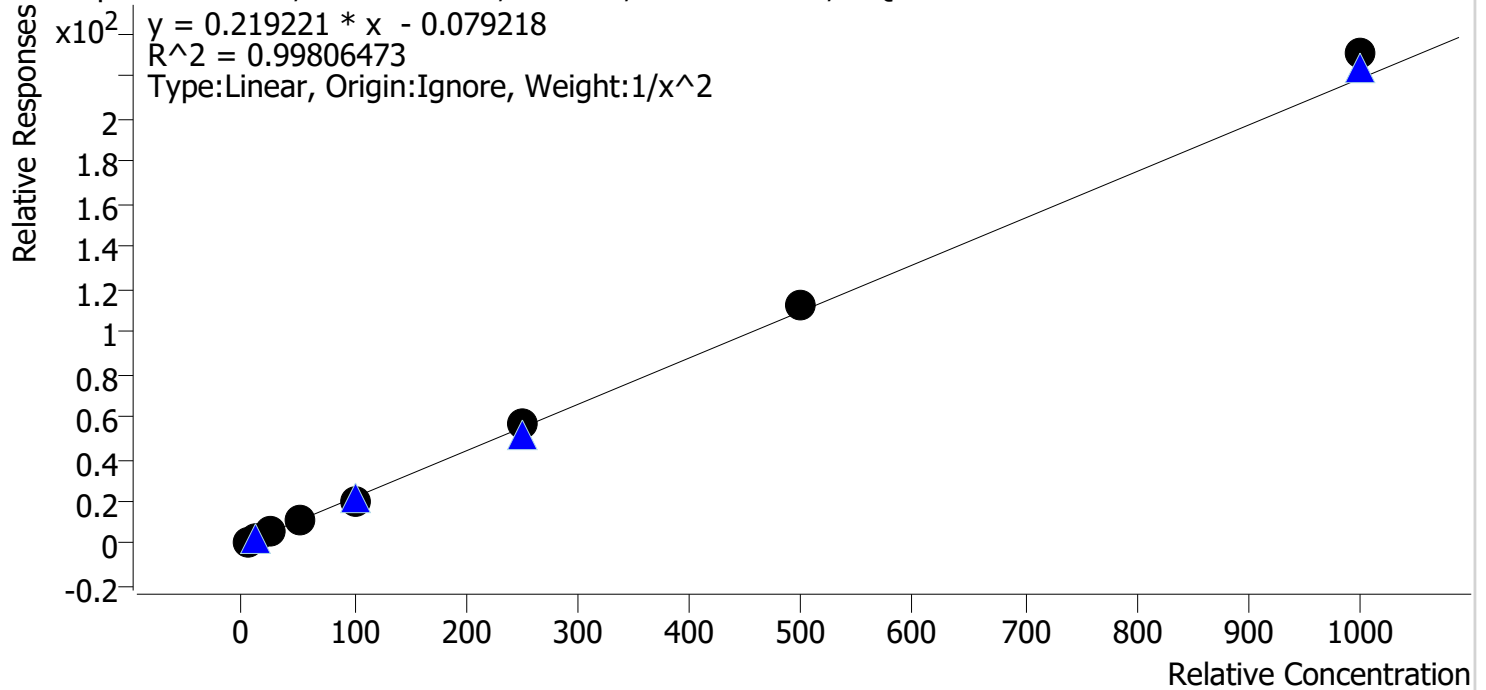


| Sample    | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1     | ✓       | 5.0                    | 5.1                 | 101.3    |
| cal 2 mdq | 2     | ✓       | 10.0                   | 9.8                 | 98.5     |
| cal 3 mdq | 3     | ✓       | 25.0                   | 24.3                | 97.4     |
| cal 4 mdq | 4     | ✓       | 50.0                   | 49.5                | 99.1     |
| cal 5 mdq | 5     | ✓       | 100.0                  | 99.8                | 99.8     |
| cal 6 mdq | 6     | ✓       | 250.0                  | 257.0               | 102.8    |
| cal 7 mdq | 7     | ✓       | 500.0                  | 504.2               | 100.8    |
| cal 8 mdq | 8     | ✓       | 1000.0                 | 1003.7              | 100.4    |

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\111822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/21/2022 1:39 PM  
**Analyst Name** ISP\datastor  
**Analyte** Mirtazapine **Internal Standard** MDMA-D6

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



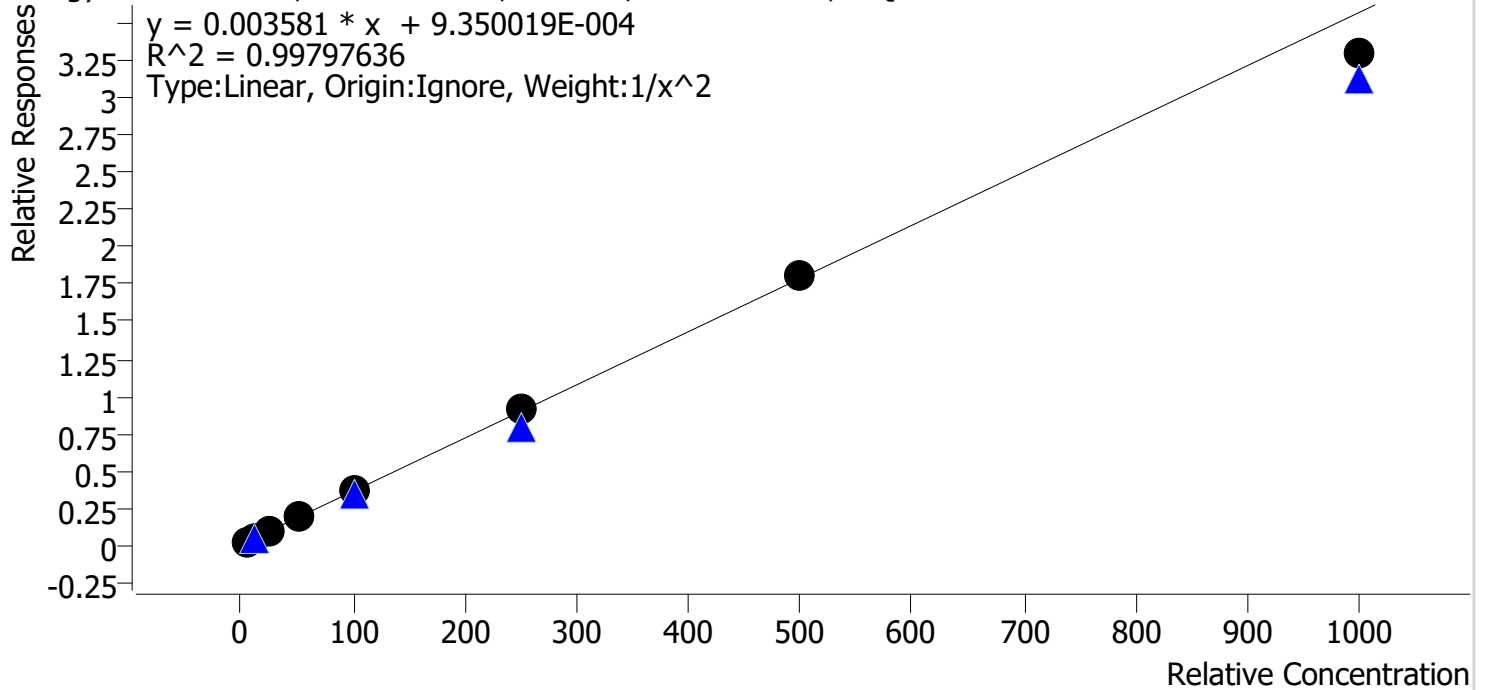
| Sample    | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1     | ✓       | 5.0                    | 5.1                 | 101.5    |
| cal 2 mdq | 2     | ✓       | 10.0                   | 9.9                 | 99.0     |
| cal 3 mdq | 3     | ✓       | 25.0                   | 24.4                | 97.5     |
| cal 4 mdq | 4     | ✓       | 50.0                   | 48.5                | 97.0     |
| cal 5 mdq | 5     | ✓       | 100.0                  | 93.8                | 93.8     |
| cal 6 mdq | 6     | ✓       | 250.0                  | 258.4               | 103.4    |
| cal 7 mdq | 7     | ✓       | 500.0                  | 512.1               | 102.4    |
| cal 8 mdq | 8     | ✓       | 1000.0                 | 1053.6              | 105.4    |

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\111822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/21/2022 1:39 PM  
**Analyst Name** ISP\datastor  
**Analyte** Mitragynine

**Internal Standard** Pseudoephedrine-D3

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



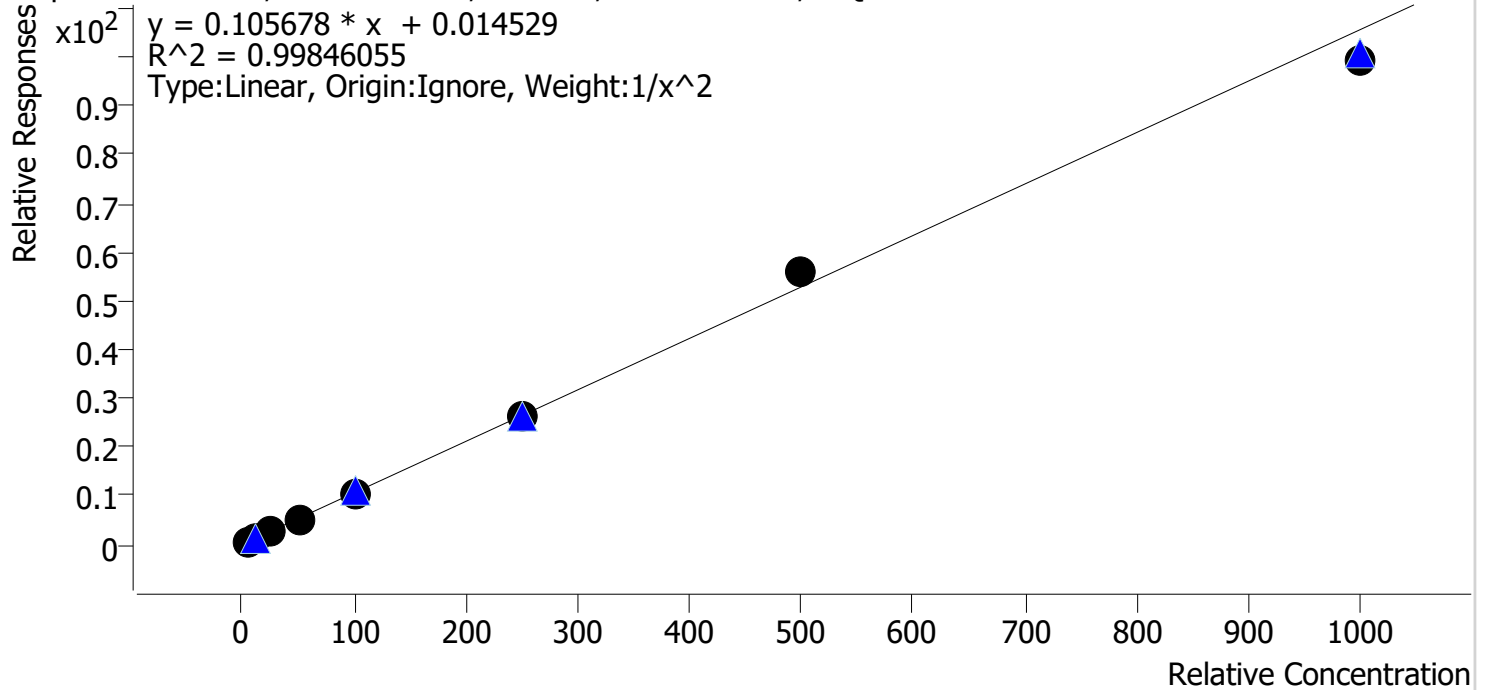
| Sample    | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1     | ✓       | 5.0                    | 5.0                 | 100.4    |
| cal 2 mdq | 2     | ✓       | 10.0                   | 9.8                 | 97.6     |
| cal 3 mdq | 3     | ✓       | 25.0                   | 25.2                | 100.6    |
| cal 4 mdq | 4     | ✓       | 50.0                   | 53.0                | 106.1    |
| cal 5 mdq | 5     | ✓       | 100.0                  | 101.6               | 101.6    |
| cal 6 mdq | 6     | ✓       | 250.0                  | 251.4               | 100.6    |
| cal 7 mdq | 7     | ✓       | 500.0                  | 504.2               | 100.8    |
| cal 8 mdq | 8     | ✓       | 1000.0                 | 922.7               | 92.3     |



# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\111822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/21/2022 1:39 PM  
**Analyst Name** ISP\datastor  
**Analyte** Morphine **Internal Standard** Morphine-D6

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

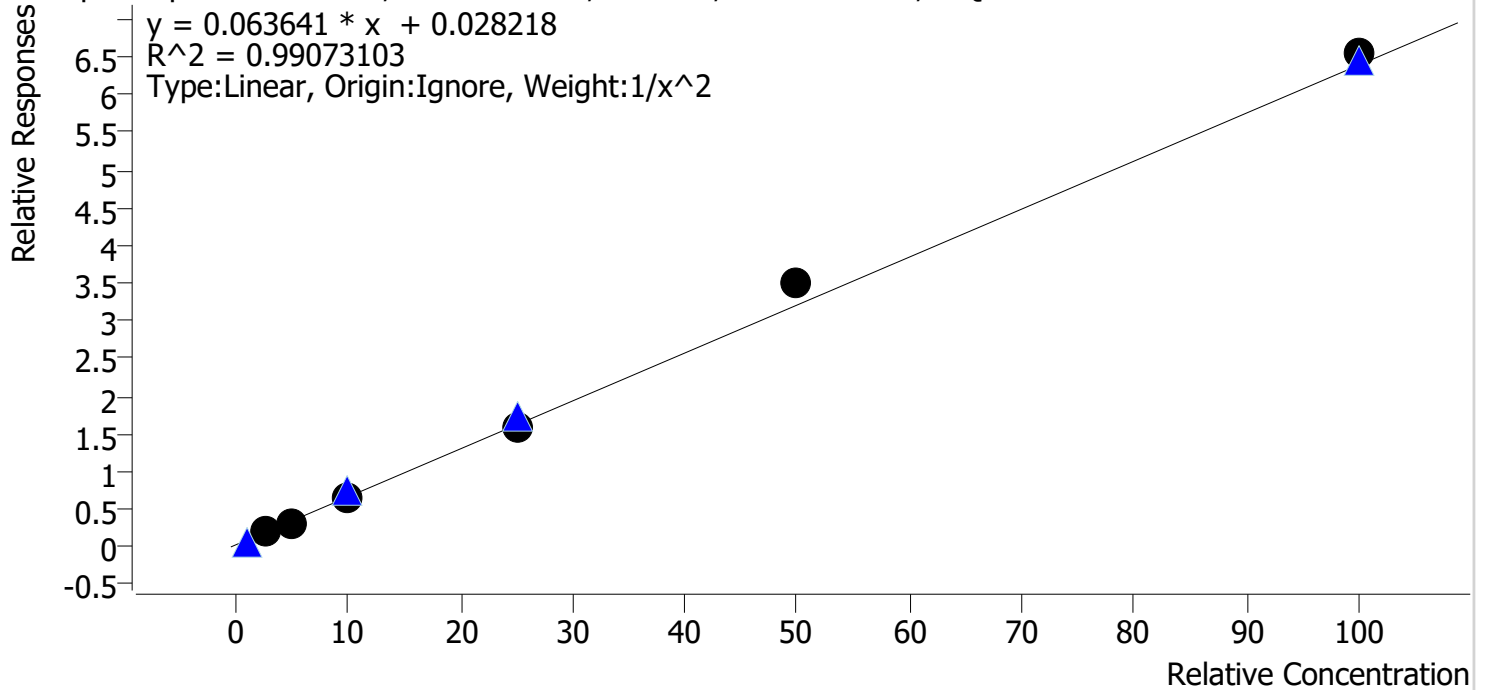


| Sample    | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1     | ✓       | 5.0                    | 4.9                 | 98.5     |
| cal 2 mdq | 2     | ✓       | 10.0                   | 10.4                | 103.8    |
| cal 3 mdq | 3     | ✓       | 25.0                   | 24.5                | 98.1     |
| cal 4 mdq | 4     | ✓       | 50.0                   | 49.8                | 99.7     |
| cal 5 mdq | 5     | ✓       | 100.0                  | 99.9                | 99.9     |
| cal 6 mdq | 6     | ✓       | 250.0                  | 251.4               | 100.6    |
| cal 7 mdq | 7     | ✓       | 500.0                  | 526.2               | 105.2    |
| cal 8 mdq | 8     | ✓       | 1000.0                 | 942.6               | 94.3     |

# Compound Calibration Report

|                         |  |                          |                     |
|-------------------------|--|--------------------------|---------------------|
| <b>Batch results</b>    | D:\MassHunter\Data\2022\am 27-28\111822\QuantResults\mdq.batch.bin |                          |                     |
| <b>Last Cal. Update</b> | 11/21/2022 1:39 PM   |                          |                     |
| <b>Analyst Name</b>     | ISP\datastor   |                          |                     |
| <b>Analyte</b>          | Norbuprenorphine   | <b>Internal Standard</b> | Norbuprenorphine-D3 |

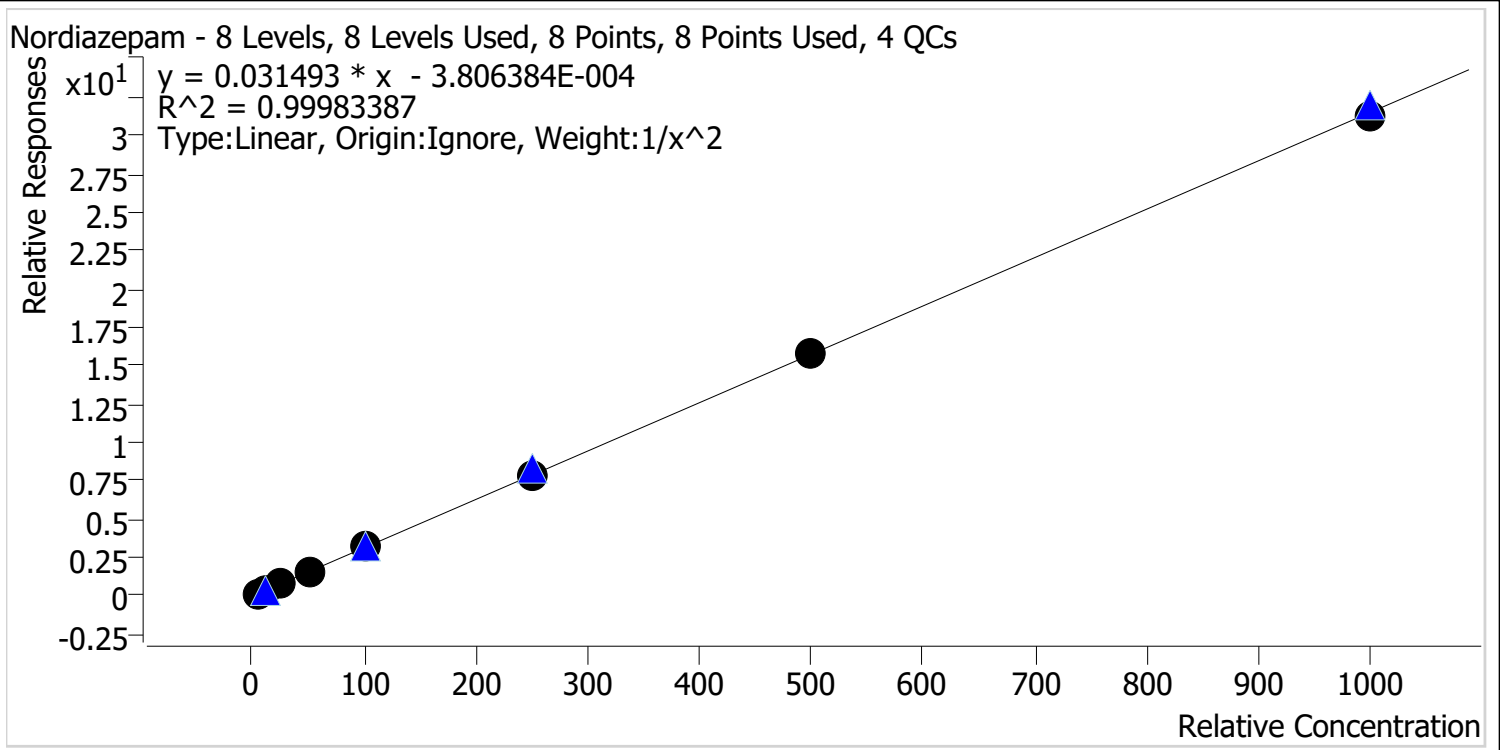
Norbuprenorphine - 6 Levels, 6 Levels Used, 6 Points, 6 Points Used, 4 QCs



| Sample    | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 3 mdq | 3     | ✓       | 2.5                    | 2.7                 | 106.6    |
| cal 4 mdq | 4     | ✓       | 5.0                    | 4.5                 | 89.0     |
| cal 5 mdq | 5     | ✓       | 10.0                   | 9.4                 | 94.3     |
| cal 6 mdq | 6     | ✓       | 25.0                   | 24.5                | 98.0     |
| cal 7 mdq | 7     | ✓       | 50.0                   | 54.9                | 109.7    |
| cal 8 mdq | 8     | ✓       | 100.0                  | 102.4               | 102.4    |

# Compound Calibration Report

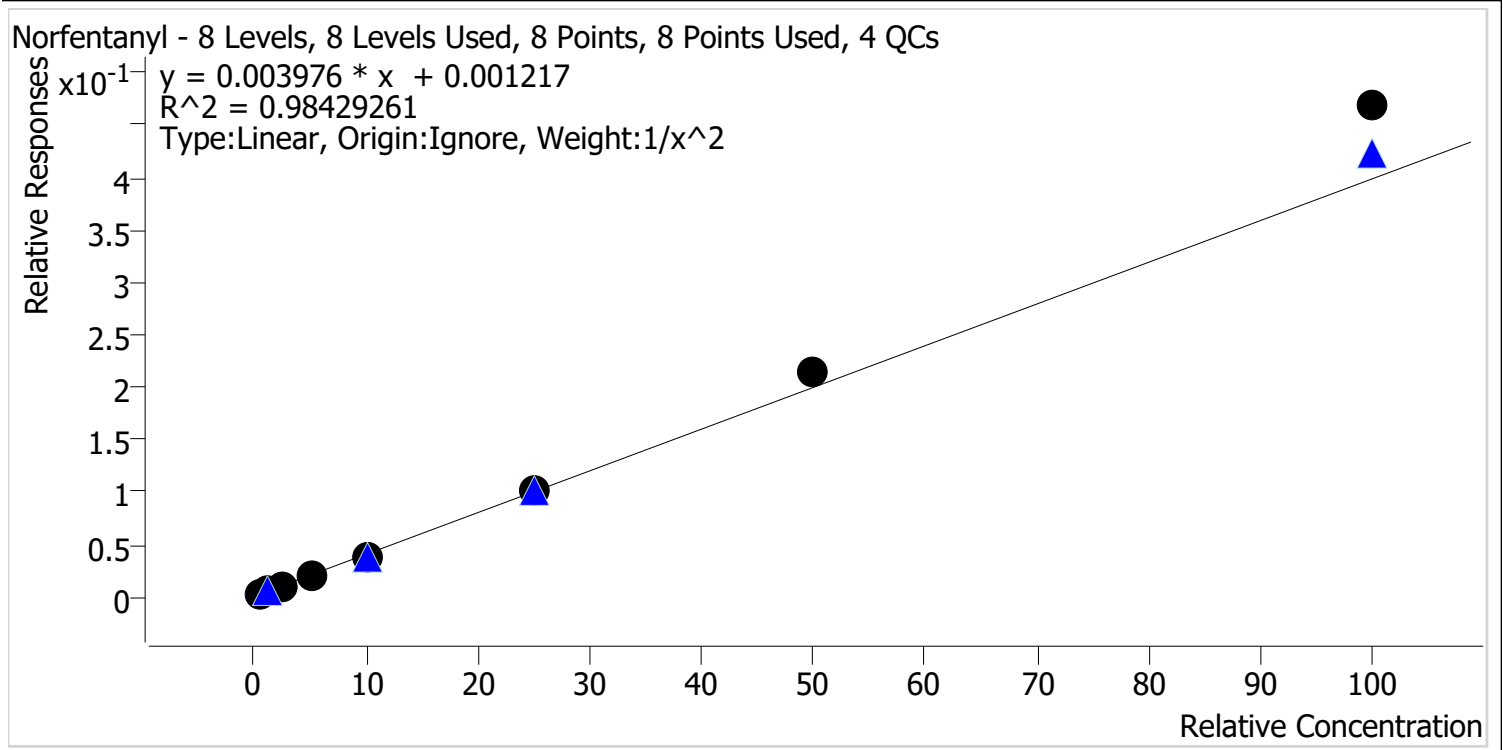
|                         |  |                          |                |
|-------------------------|--|--------------------------|----------------|
| <b>Batch results</b>    | D:\MassHunter\Data\2022\am 27-28\111822\QuantResults\mdq.batch.bin |                          |                |
| <b>Last Cal. Update</b> | 11/21/2022 1:39 PM   |                          |                |
| <b>Analyst Name</b>     | ISP\datastor   |                          |                |
| <b>Analyte</b>          | Nordiazepam  | <b>Internal Standard</b> | Nordiazepam-D5 |



| Sample    | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1     | ✓       | 5.0                    | 5.0                 | 99.7     |
| cal 2 mdq | 2     | ✓       | 10.0                   | 10.1                | 100.5    |
| cal 3 mdq | 3     | ✓       | 25.0                   | 24.8                | 99.4     |
| cal 4 mdq | 4     | ✓       | 50.0                   | 50.6                | 101.2    |
| cal 5 mdq | 5     | ✓       | 100.0                  | 101.7               | 101.7    |
| cal 6 mdq | 6     | ✓       | 250.0                  | 246.2               | 98.5     |
| cal 7 mdq | 7     | ✓       | 500.0                  | 500.5               | 100.1    |
| cal 8 mdq | 8     | ✓       | 1000.0                 | 989.1               | 98.9     |

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\111822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/21/2022 1:39 PM  
**Analyst Name** ISP\datastor  
**Analyte** Norfentanyl **Internal Standard** Norfentanyl-D5

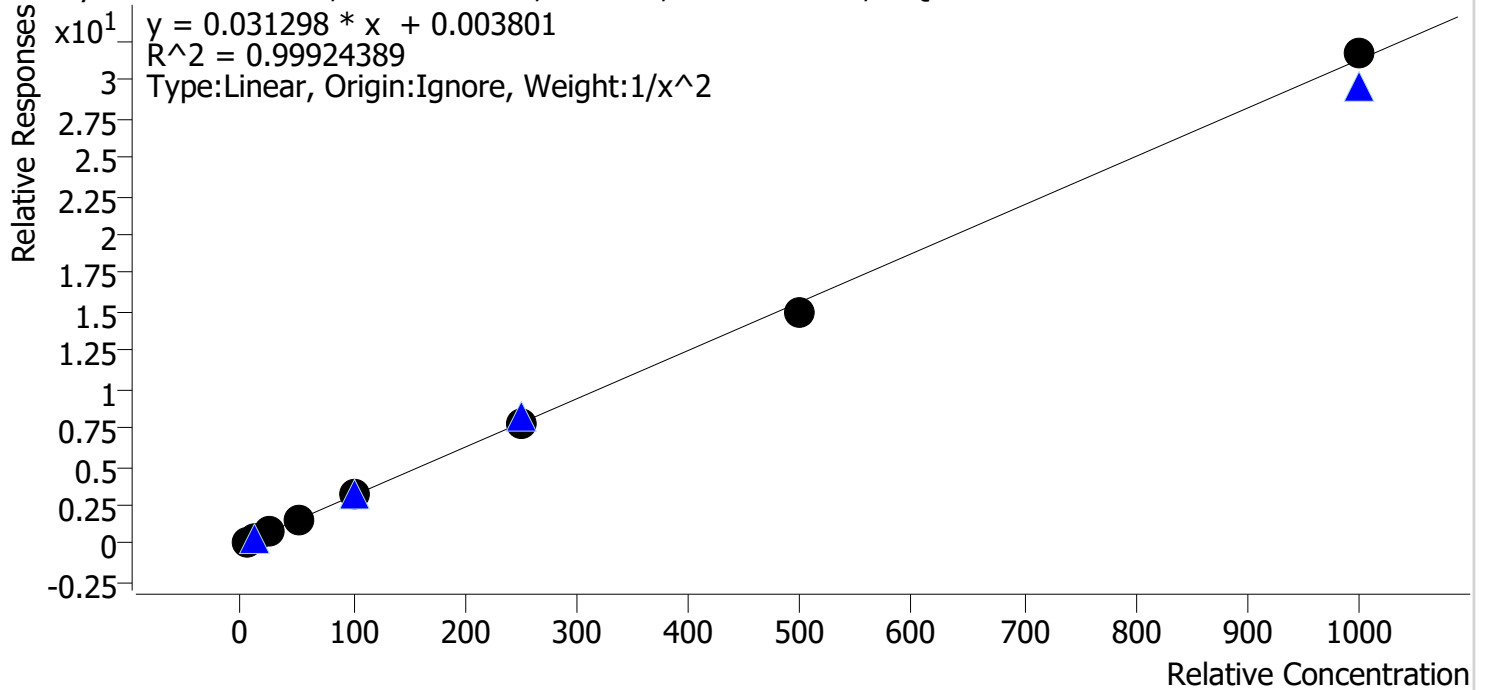


| Sample    | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1     | ✓       | 0.5                    | 0.5                 | 109.2    |
| cal 2 mdq | 2     | ✓       | 1.0                    | 0.9                 | 87.3     |
| cal 3 mdq | 3     | ✓       | 2.5                    | 2.2                 | 87.5     |
| cal 4 mdq | 4     | ✓       | 5.0                    | 4.9                 | 98.6     |
| cal 5 mdq | 5     | ✓       | 10.0                   | 9.2                 | 92.1     |
| cal 6 mdq | 6     | ✓       | 25.0                   | 24.9                | 99.7     |
| cal 7 mdq | 7     | ✓       | 50.0                   | 54.0                | 108.0    |
| cal 8 mdq | 8     | ✓       | 100.0                  | 117.6               | 117.6    |

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\111822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/21/2022 1:39 PM  
**Analyst Name** ISP\datastor  
**Analyte** Noroxycodone **Internal Standard** Noroxycodone-D3

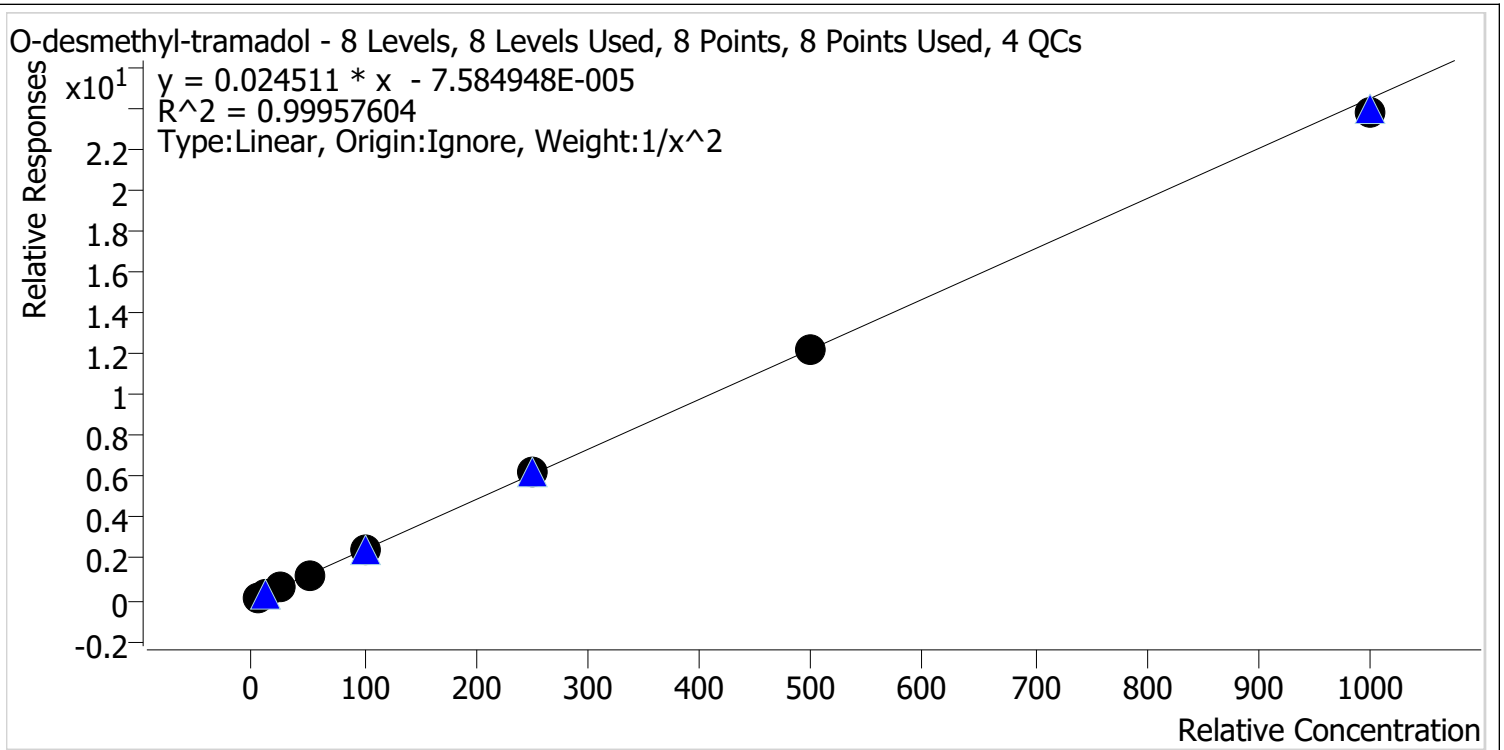
Noroxycodone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



| Sample    | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1     | ✓       | 5.0                    | 5.0                 | 99.1     |
| cal 2 mdq | 2     | ✓       | 10.0                   | 10.1                | 100.7    |
| cal 3 mdq | 3     | ✓       | 25.0                   | 25.9                | 103.8    |
| cal 4 mdq | 4     | ✓       | 50.0                   | 48.7                | 97.4     |
| cal 5 mdq | 5     | ✓       | 100.0                  | 100.7               | 100.7    |
| cal 6 mdq | 6     | ✓       | 250.0                  | 252.1               | 100.9    |
| cal 7 mdq | 7     | ✓       | 500.0                  | 480.9               | 96.2     |
| cal 8 mdq | 8     | ✓       | 1000.0                 | 1012.5              | 101.3    |

# Compound Calibration Report

|                         |  |                          |                         |
|-------------------------|--|--------------------------|-------------------------|
| <b>Batch results</b>    | D:\MassHunter\Data\2022\am 27-28\111822\QuantResults\mdq.batch.bin |                          |                         |
| <b>Last Cal. Update</b> | 11/21/2022 1:39 PM   |                          |                         |
| <b>Analyst Name</b>     | ISP\datastor   |                          |                         |
| <b>Analyte</b>          | O-desmethyl-tramadol   | <b>Internal Standard</b> | O-desmethyl-tramadol-D6 |

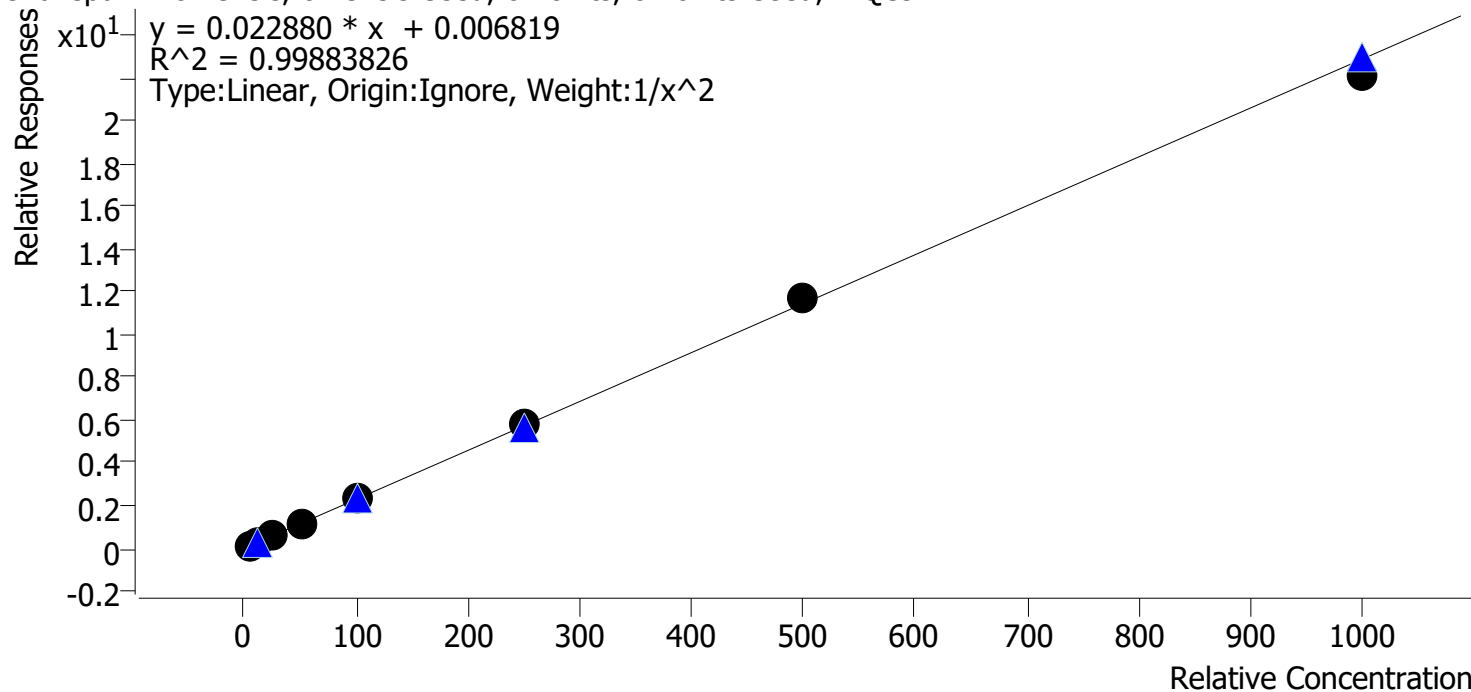


| Sample    | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1     | ✓       | 5.0                    | 4.9                 | 98.7     |
| cal 2 mdq | 2     | ✓       | 10.0                   | 10.3                | 102.6    |
| cal 3 mdq | 3     | ✓       | 25.0                   | 25.0                | 100.1    |
| cal 4 mdq | 4     | ✓       | 50.0                   | 49.8                | 99.7     |
| cal 5 mdq | 5     | ✓       | 100.0                  | 100.8               | 100.8    |
| cal 6 mdq | 6     | ✓       | 250.0                  | 254.5               | 101.8    |
| cal 7 mdq | 7     | ✓       | 500.0                  | 497.1               | 99.4     |
| cal 8 mdq | 8     | ✓       | 1000.0                 | 969.1               | 96.9     |

# Compound Calibration Report

|                         |  |                          |             |
|-------------------------|--|--------------------------|-------------|
| <b>Batch results</b>    | D:\MassHunter\Data\2022\11\27-28\111822\QuantResults\mdq.batch.bin |                          |             |
| <b>Last Cal. Update</b> | 11/21/2022 1:39 PM   |                          |             |
| <b>Analyst Name</b>     | ISP\datastor   |                          |             |
| <b>Analyte</b>          | Oxazepam   | <b>Internal Standard</b> | Oxazepam-D5 |

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

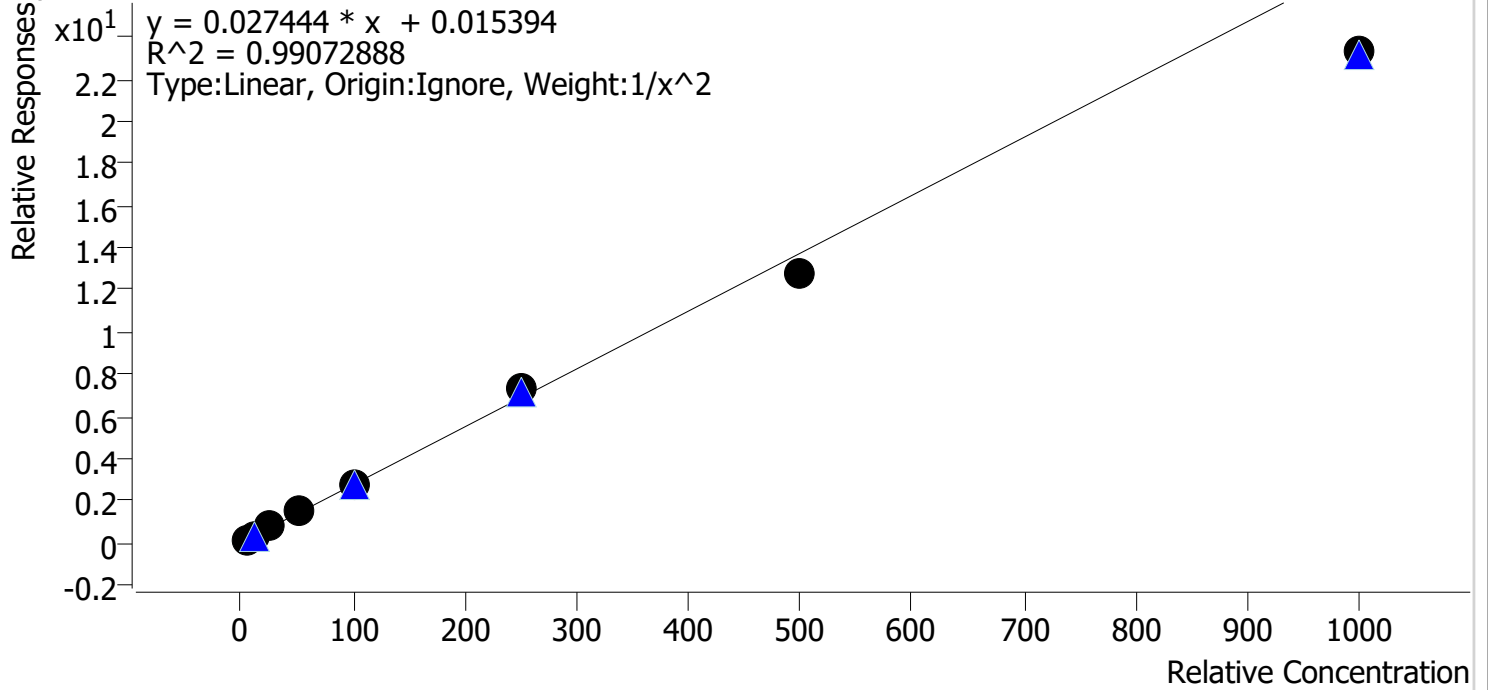


| Sample    | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1     | ✓       | 5.0                    | 5.1                 | 101.8    |
| cal 2 mdq | 2     | ✓       | 10.0                   | 9.7                 | 97.0     |
| cal 3 mdq | 3     | ✓       | 25.0                   | 24.4                | 97.6     |
| cal 4 mdq | 4     | ✓       | 50.0                   | 49.5                | 99.0     |
| cal 5 mdq | 5     | ✓       | 100.0                  | 105.3               | 105.3    |
| cal 6 mdq | 6     | ✓       | 250.0                  | 252.3               | 100.9    |
| cal 7 mdq | 7     | ✓       | 500.0                  | 508.5               | 101.7    |
| cal 8 mdq | 8     | ✓       | 1000.0                 | 967.2               | 96.7     |

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\111822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/21/2022 1:39 PM  
**Analyst Name** ISP\datastor  
**Analyte** Oxycodone **Internal Standard** Oxycodone-D6

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



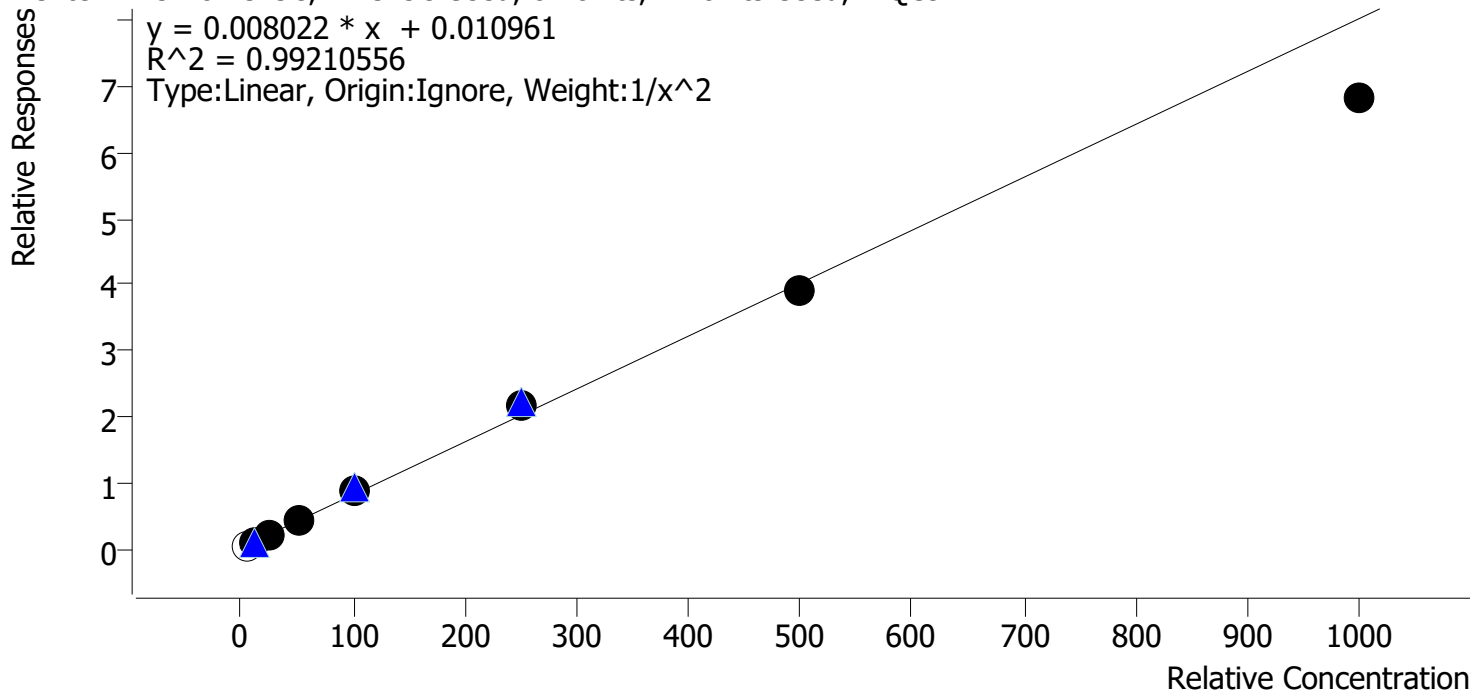
| Sample    | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1     | ✓       | 5.0                    | 4.9                 | 97.7     |
| cal 2 mdq | 2     | ✓       | 10.0                   | 10.0                | 99.6     |
| cal 3 mdq | 3     | ✓       | 25.0                   | 26.7                | 106.7    |
| cal 4 mdq | 4     | ✓       | 50.0                   | 55.7                | 111.4    |
| cal 5 mdq | 5     | ✓       | 100.0                  | 101.5               | 101.5    |
| cal 6 mdq | 6     | ✓       | 250.0                  | 263.7               | 105.5    |
| cal 7 mdq | 7     | ✓       | 500.0                  | 464.2               | 92.8     |
| cal 8 mdq | 8     | ✓       | 1000.0                 | 848.3               | 84.8     |



# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\111822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/21/2022 1:39 PM  
**Analyst Name** ISP\datastor  
**Analyte** Phentermine **Internal Standard** Phentermine-D5

Phentermine - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 4 QCs

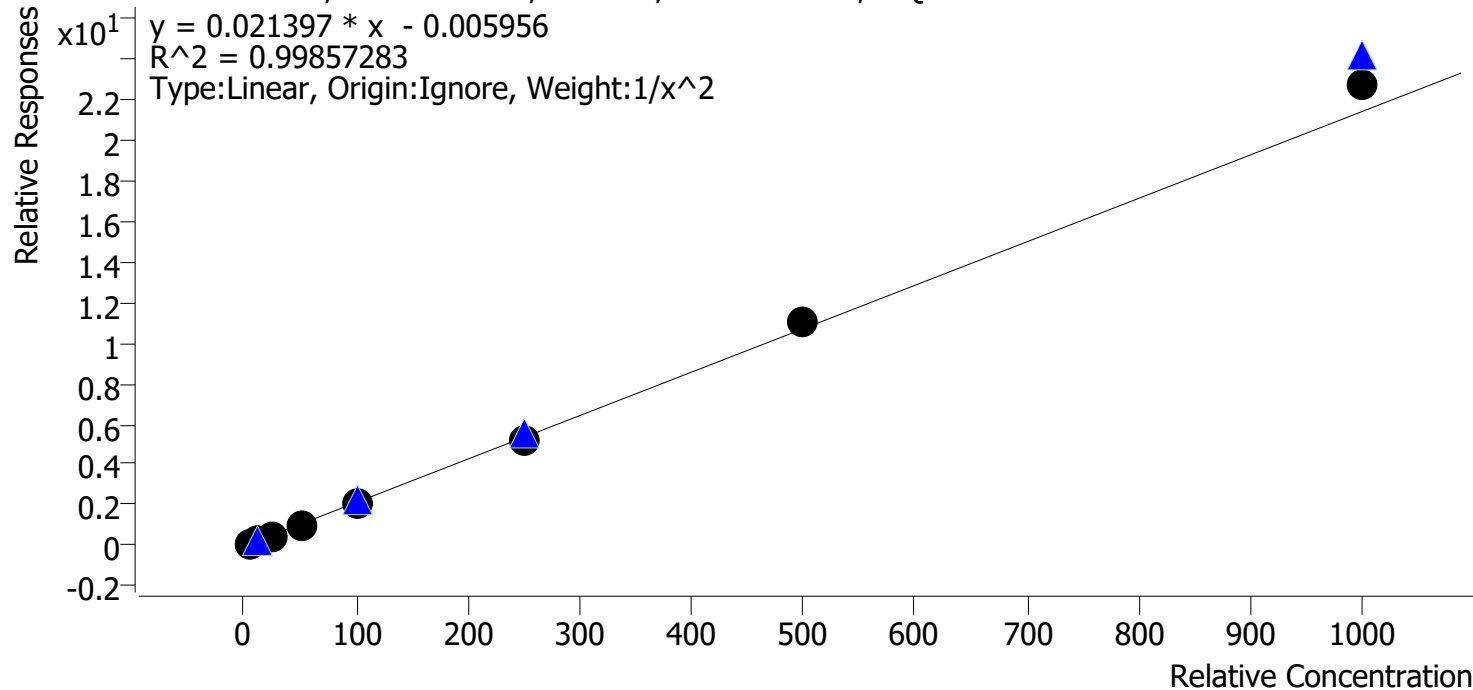


| Sample    | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1     | x       | 5.0                    | 3.7                 | 74.2     |
| cal 2 mdq | 2     | ✓       | 10.0                   | 9.9                 | 98.6     |
| cal 3 mdq | 3     | ✓       | 25.0                   | 24.9                | 99.4     |
| cal 4 mdq | 4     | ✓       | 50.0                   | 51.8                | 103.6    |
| cal 5 mdq | 5     | ✓       | 100.0                  | 107.7               | 107.7    |
| cal 6 mdq | 6     | ✓       | 250.0                  | 268.9               | 107.5    |
| cal 7 mdq | 7     | ✓       | 500.0                  | 489.2               | 97.8     |
| cal 8 mdq | 8     | ✓       | 1000.0                 | 853.0               | 85.3     |

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\111822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/21/2022 1:39 PM  
**Analyst Name** ISP\datastor  
**Analyte** Promethazine **Internal Standard** Promethazine-D3

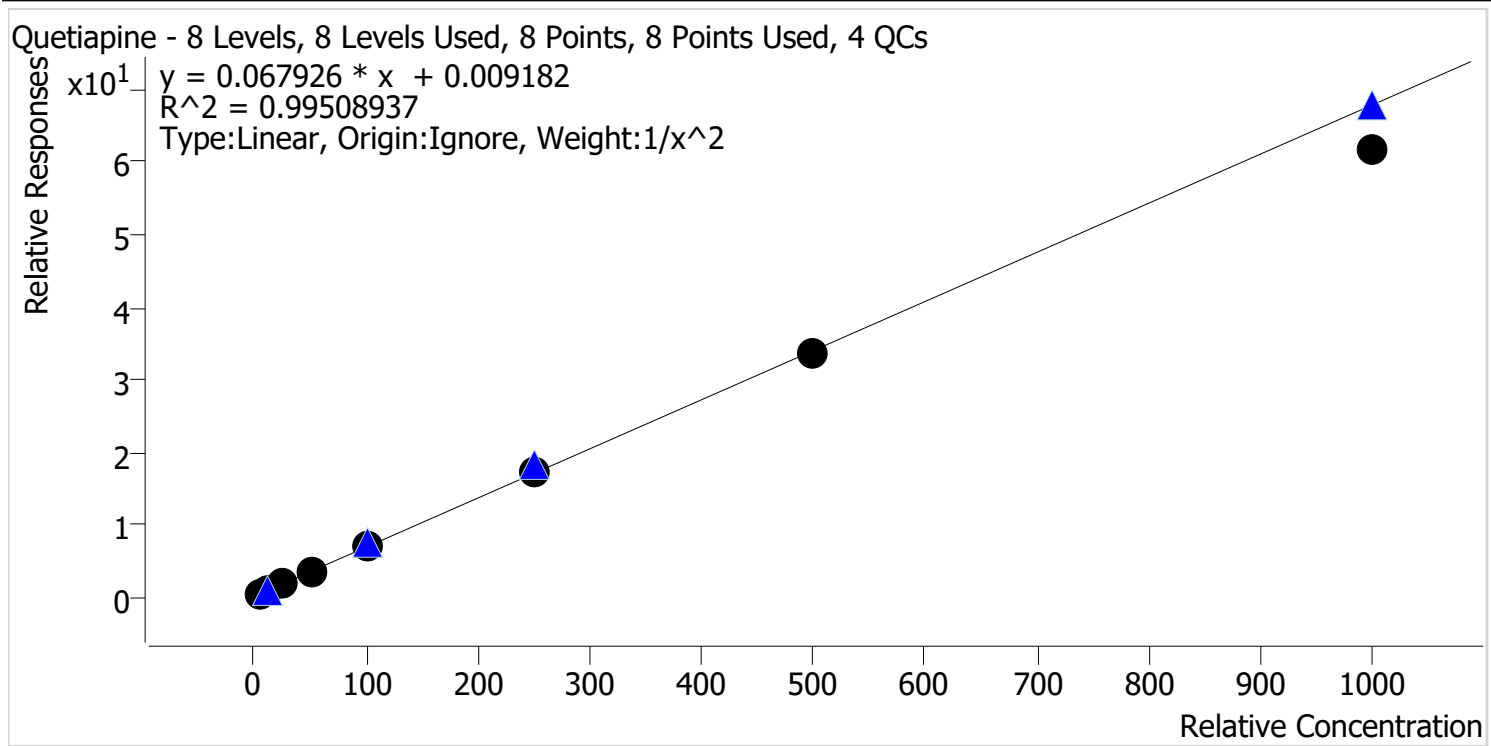
Promethazine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



| Sample    | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1     | ✓       | 5.0                    | 5.1                 | 101.4    |
| cal 2 mdq | 2     | ✓       | 10.0                   | 9.9                 | 98.6     |
| cal 3 mdq | 3     | ✓       | 25.0                   | 24.6                | 98.3     |
| cal 4 mdq | 4     | ✓       | 50.0                   | 49.0                | 98.1     |
| cal 5 mdq | 5     | ✓       | 100.0                  | 96.1                | 96.1     |
| cal 6 mdq | 6     | ✓       | 250.0                  | 246.0               | 98.4     |
| cal 7 mdq | 7     | ✓       | 500.0                  | 514.1               | 102.8    |
| cal 8 mdq | 8     | ✓       | 1000.0                 | 1062.8              | 106.3    |

# Compound Calibration Report

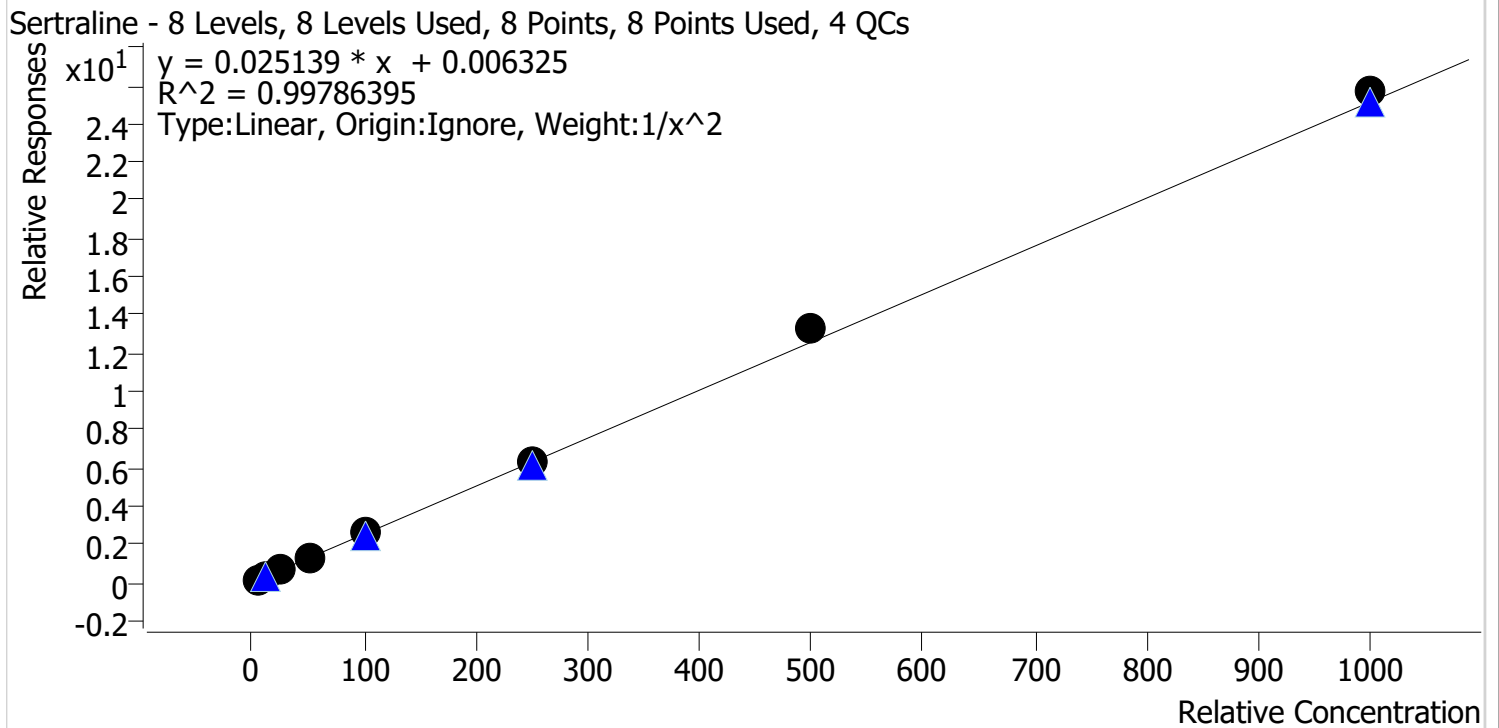
**Batch results** D:\MassHunter\Data\2022\am 27-28\111822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/21/2022 1:39 PM  
**Analyst Name** ISP\datastor  
**Analyte** Quetiapine **Internal Standard** Quetiapine-D8



| Sample    | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1     | ✓       | 5.0                    | 5.2                 | 103.0    |
| cal 2 mdq | 2     | ✓       | 10.0                   | 9.0                 | 90.4     |
| cal 3 mdq | 3     | ✓       | 25.0                   | 26.5                | 106.1    |
| cal 4 mdq | 4     | ✓       | 50.0                   | 51.5                | 103.0    |
| cal 5 mdq | 5     | ✓       | 100.0                  | 105.5               | 105.5    |
| cal 6 mdq | 6     | ✓       | 250.0                  | 254.9               | 102.0    |
| cal 7 mdq | 7     | ✓       | 500.0                  | 493.7               | 98.7     |
| cal 8 mdq | 8     | ✓       | 1000.0                 | 912.9               | 91.3     |

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\111822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/21/2022 1:39 PM  
**Analyst Name** ISP\datastor  
**Analyte** Sertraline **Internal Standard** Sertraline-D3

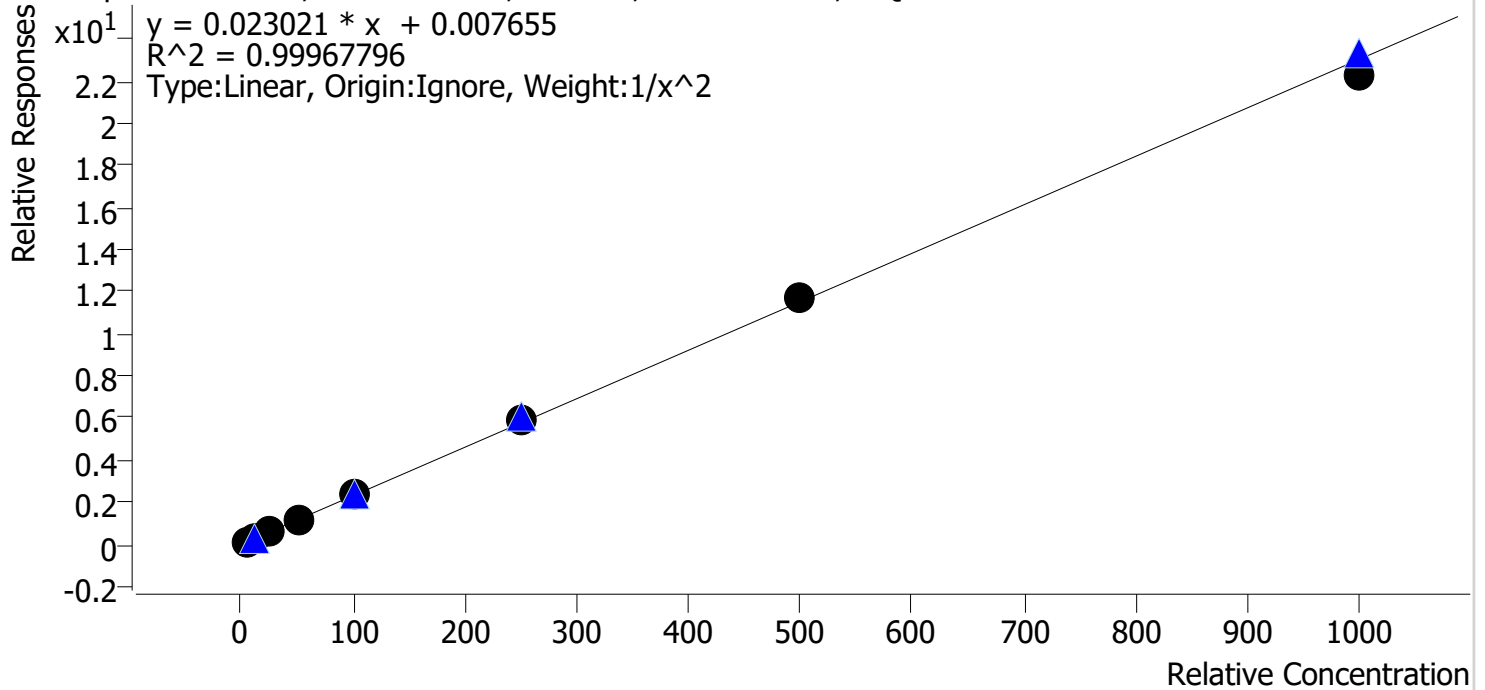


| Sample    | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1     | ✓       | 5.0                    | 5.2                 | 103.5    |
| cal 2 mdq | 2     | ✓       | 10.0                   | 9.5                 | 95.2     |
| cal 3 mdq | 3     | ✓       | 25.0                   | 23.9                | 95.5     |
| cal 4 mdq | 4     | ✓       | 50.0                   | 48.4                | 96.9     |
| cal 5 mdq | 5     | ✓       | 100.0                  | 101.0               | 101.0    |
| cal 6 mdq | 6     | ✓       | 250.0                  | 248.6               | 99.4     |
| cal 7 mdq | 7     | ✓       | 500.0                  | 531.9               | 106.4    |
| cal 8 mdq | 8     | ✓       | 1000.0                 | 1021.8              | 102.2    |

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\111822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/21/2022 1:39 PM  
**Analyst Name** ISP\datastor  
**Analyte** Temazepam **Internal Standard** Temazepam-D5

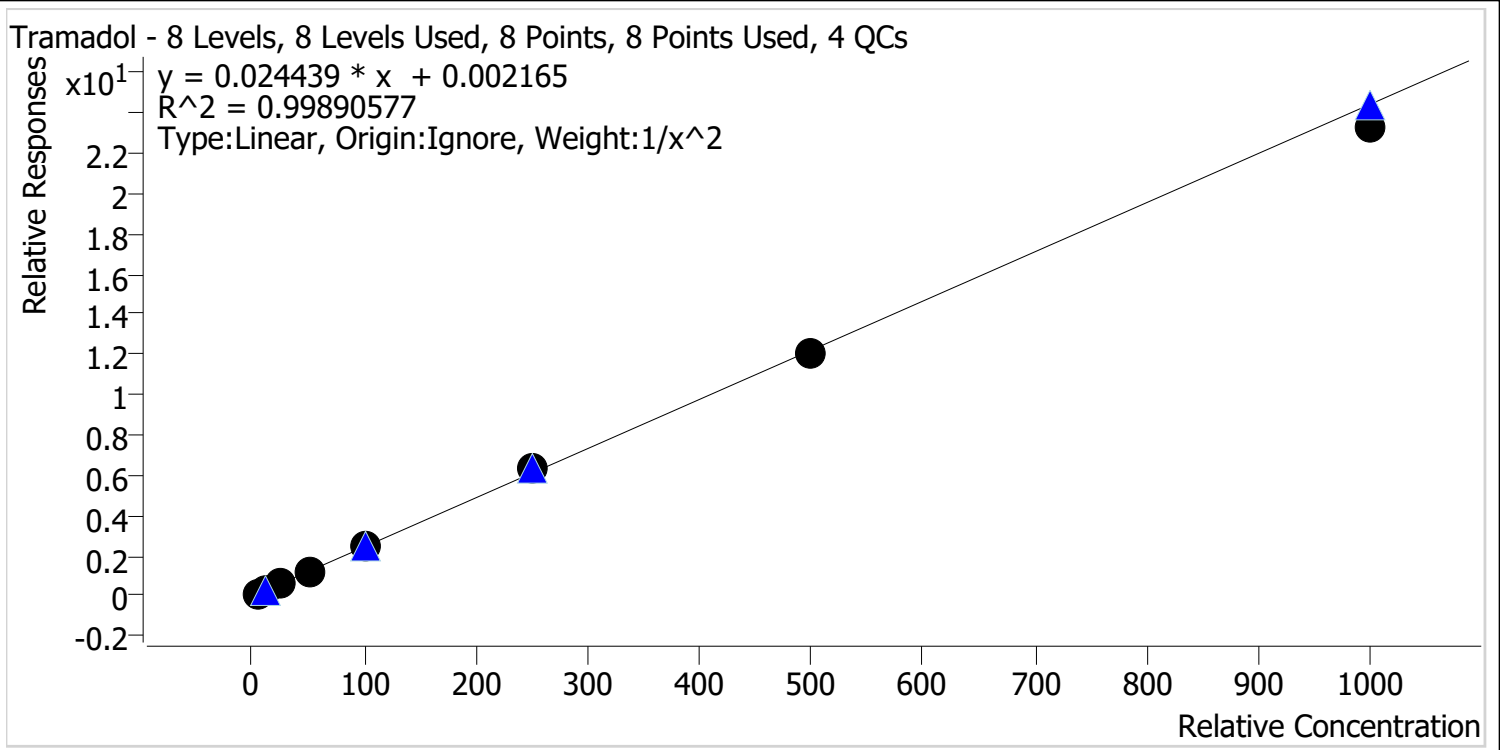
Temazepam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



| Sample    | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1     | ✓       | 5.0                    | 5.0                 | 100.2    |
| cal 2 mdq | 2     | ✓       | 10.0                   | 10.0                | 99.7     |
| cal 3 mdq | 3     | ✓       | 25.0                   | 24.8                | 99.1     |
| cal 4 mdq | 4     | ✓       | 50.0                   | 50.3                | 100.6    |
| cal 5 mdq | 5     | ✓       | 100.0                  | 101.7               | 101.7    |
| cal 6 mdq | 6     | ✓       | 250.0                  | 252.3               | 100.9    |
| cal 7 mdq | 7     | ✓       | 500.0                  | 505.7               | 101.1    |
| cal 8 mdq | 8     | ✓       | 1000.0                 | 967.2               | 96.7     |

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\11-28\111822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/21/2022 1:39 PM  
**Analyst Name** ISP\datastor  
**Analyte** Tramadol **Internal Standard** Tramadol-13C-D3

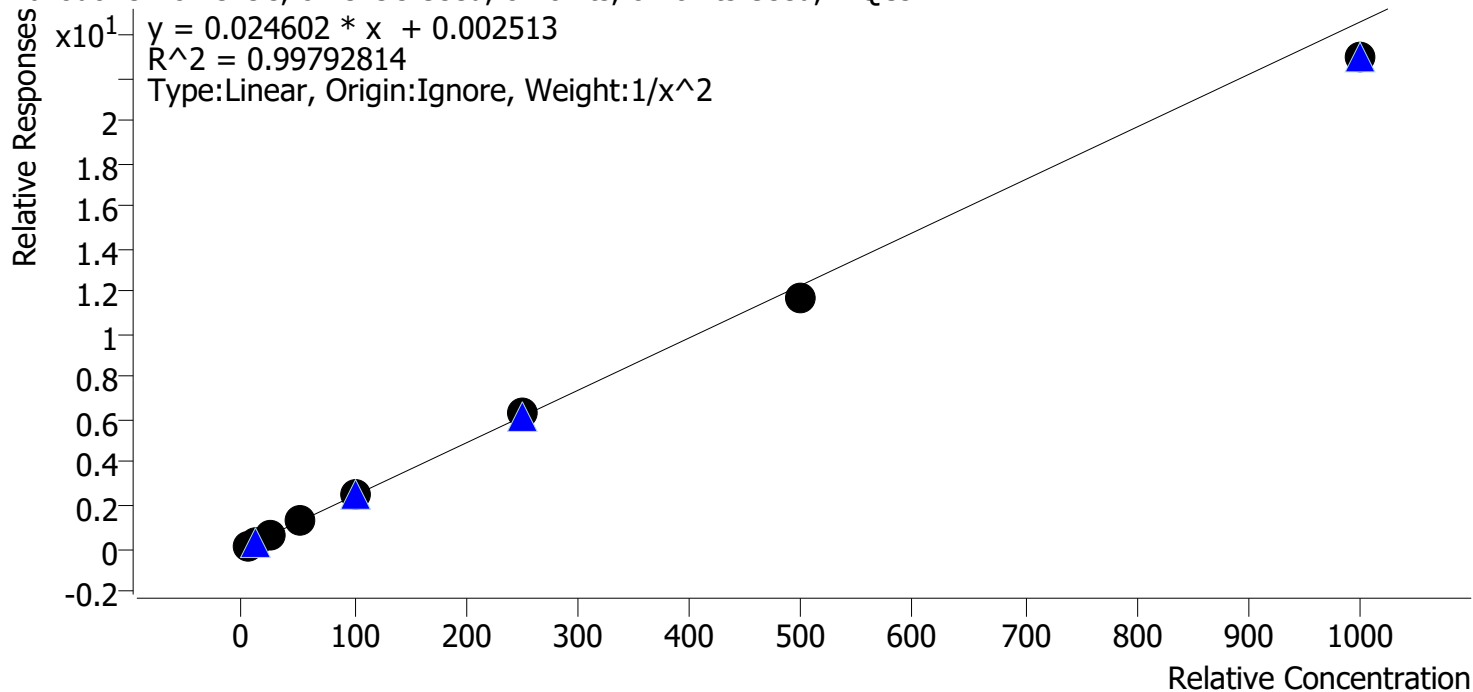


| Sample    | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1     | ✓       | 5.0                    | 4.9                 | 98.0     |
| cal 2 mdq | 2     | ✓       | 10.0                   | 10.3                | 103.4    |
| cal 3 mdq | 3     | ✓       | 25.0                   | 25.4                | 101.7    |
| cal 4 mdq | 4     | ✓       | 50.0                   | 49.5                | 98.9     |
| cal 5 mdq | 5     | ✓       | 100.0                  | 99.7                | 99.7     |
| cal 6 mdq | 6     | ✓       | 250.0                  | 259.4               | 103.8    |
| cal 7 mdq | 7     | ✓       | 500.0                  | 496.3               | 99.3     |
| cal 8 mdq | 8     | ✓       | 1000.0                 | 951.6               | 95.2     |

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\111822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/21/2022 1:39 PM  
**Analyst Name** ISP\datastor  
**Analyte** Trazodone **Internal Standard** Trazodone-D6

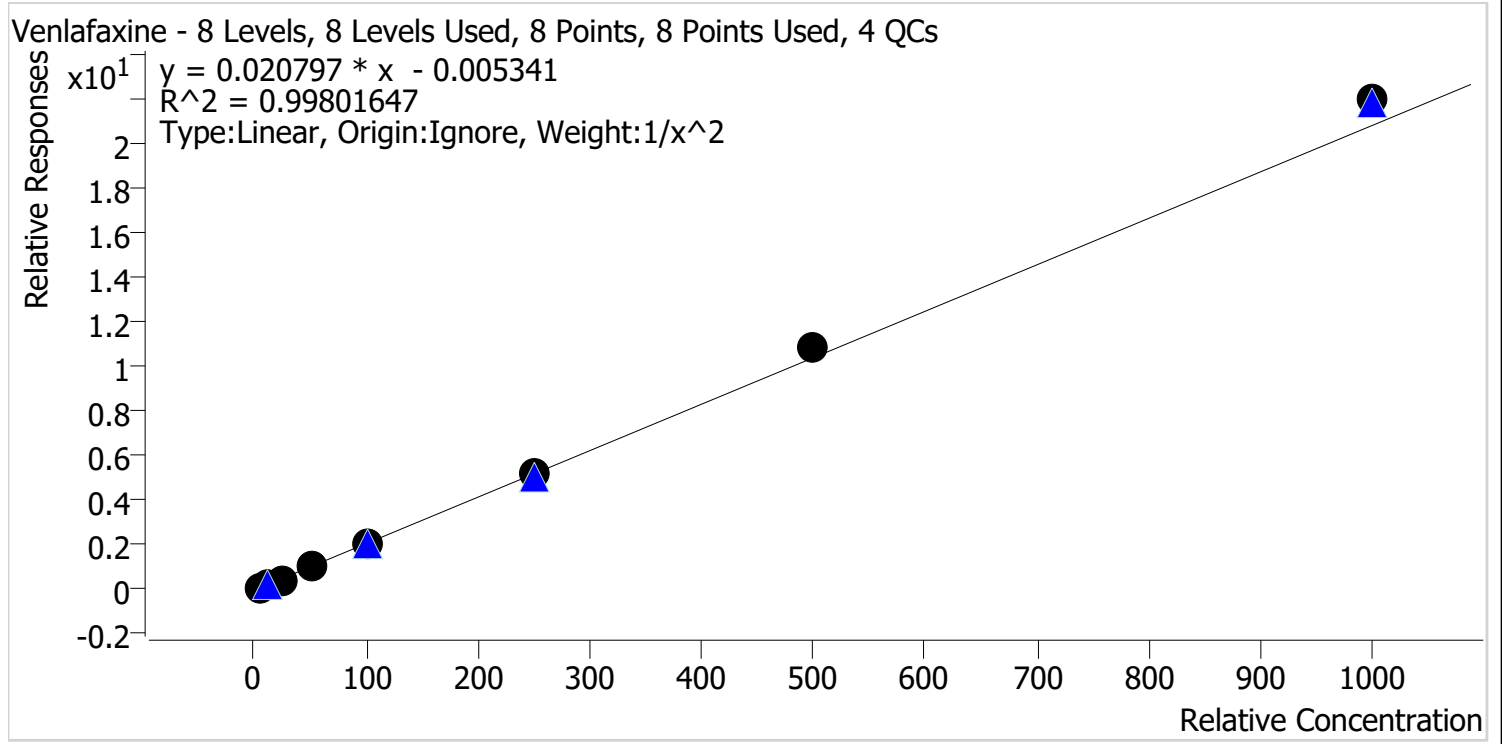
Trazodone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



| Sample    | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1     | ✓       | 5.0                    | 4.9                 | 98.2     |
| cal 2 mdq | 2     | ✓       | 10.0                   | 10.2                | 102.3    |
| cal 3 mdq | 3     | ✓       | 25.0                   | 25.1                | 100.5    |
| cal 4 mdq | 4     | ✓       | 50.0                   | 51.9                | 103.7    |
| cal 5 mdq | 5     | ✓       | 100.0                  | 103.9               | 103.9    |
| cal 6 mdq | 6     | ✓       | 250.0                  | 256.2               | 102.5    |
| cal 7 mdq | 7     | ✓       | 500.0                  | 478.9               | 95.8     |
| cal 8 mdq | 8     | ✓       | 1000.0                 | 931.1               | 93.1     |

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\lam 27-28\111822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/21/2022 1:39 PM  
**Analyst Name** ISP\datastor  
**Analyte** Venlafaxine **Internal Standard** Venlafaxine-D6



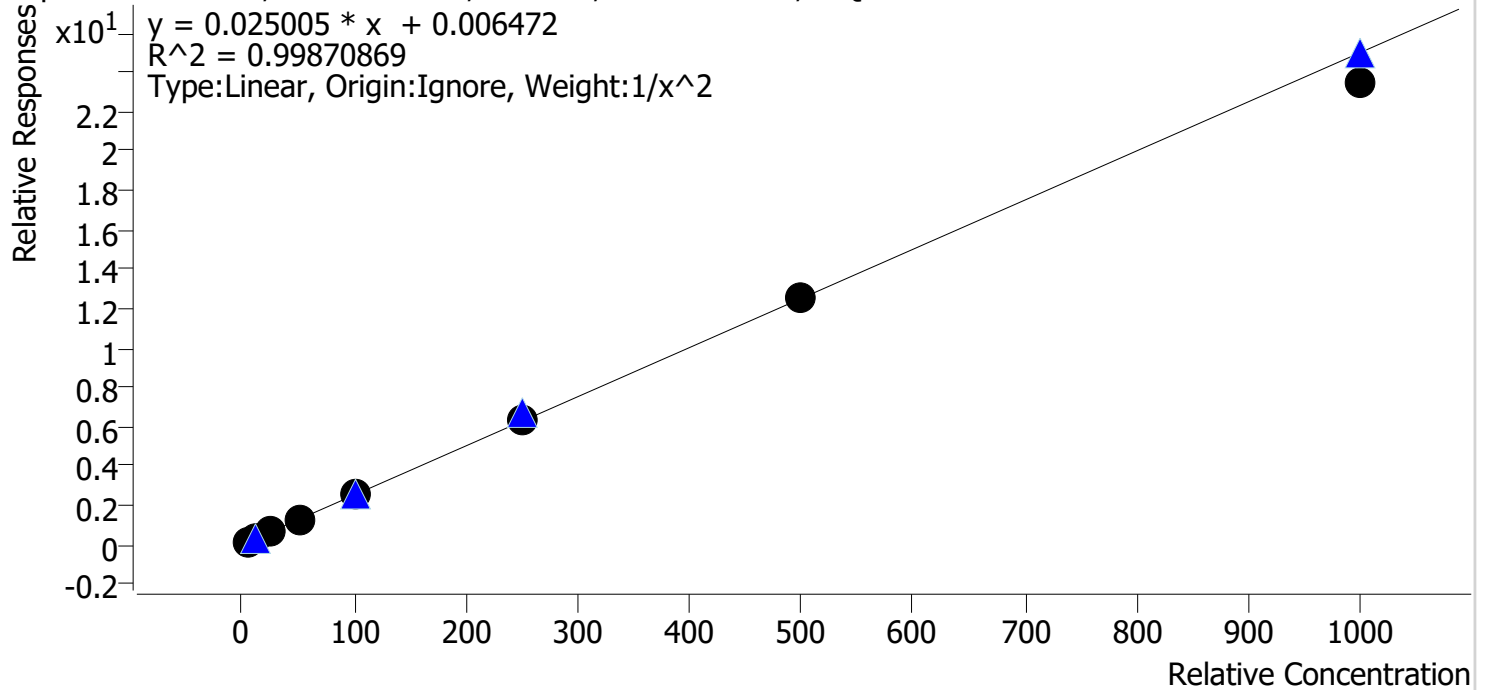
| Sample    | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1     | ✓       | 5.0                    | 5.0                 | 100.8    |
| cal 2 mdq | 2     | ✓       | 10.0                   | 10.2                | 101.5    |
| cal 3 mdq | 3     | ✓       | 25.0                   | 23.6                | 94.5     |
| cal 4 mdq | 4     | ✓       | 50.0                   | 47.8                | 95.6     |
| cal 5 mdq | 5     | ✓       | 100.0                  | 97.8                | 97.8     |
| cal 6 mdq | 6     | ✓       | 250.0                  | 250.3               | 100.1    |
| cal 7 mdq | 7     | ✓       | 500.0                  | 520.3               | 104.1    |
| cal 8 mdq | 8     | ✓       | 1000.0                 | 1055.7              | 105.6    |



# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\111822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/21/2022 1:39 PM  
**Analyst Name** ISP\datastor  
**Analyte** Zolpidem **Internal Standard** Zolpidem-D6

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

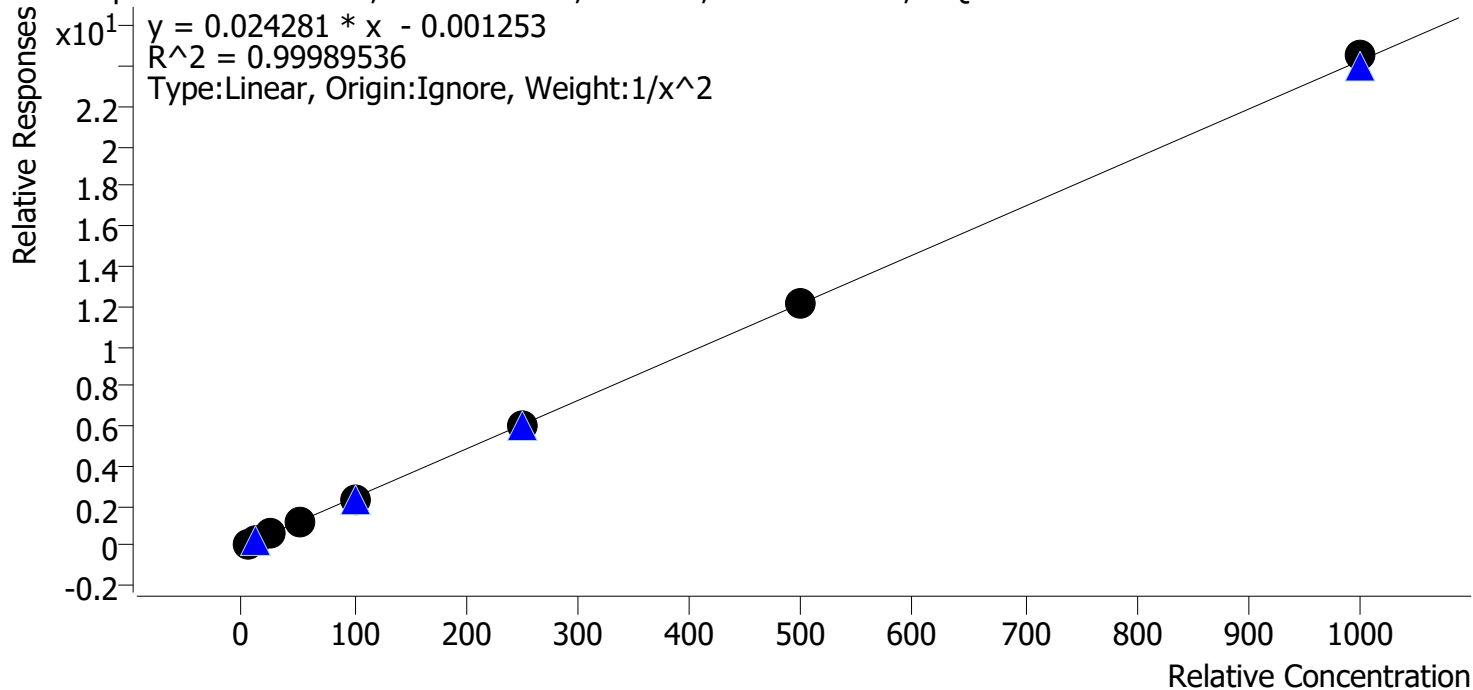


| Sample    | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1     | ✓       | 5.0                    | 5.0                 | 100.5    |
| cal 2 mdq | 2     | ✓       | 10.0                   | 9.8                 | 98.1     |
| cal 3 mdq | 3     | ✓       | 25.0                   | 24.9                | 99.7     |
| cal 4 mdq | 4     | ✓       | 50.0                   | 52.1                | 104.2    |
| cal 5 mdq | 5     | ✓       | 100.0                  | 102.4               | 102.4    |
| cal 6 mdq | 6     | ✓       | 250.0                  | 252.7               | 101.1    |
| cal 7 mdq | 7     | ✓       | 500.0                  | 500.9               | 100.2    |
| cal 8 mdq | 8     | ✓       | 1000.0                 | 937.5               | 93.7     |

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\111822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/21/2022 1:39 PM  
**Analyst Name** ISP\datastor  
**Analyte** Pseudoephedrine **Internal Standard** Pseudoephedrine-D3

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

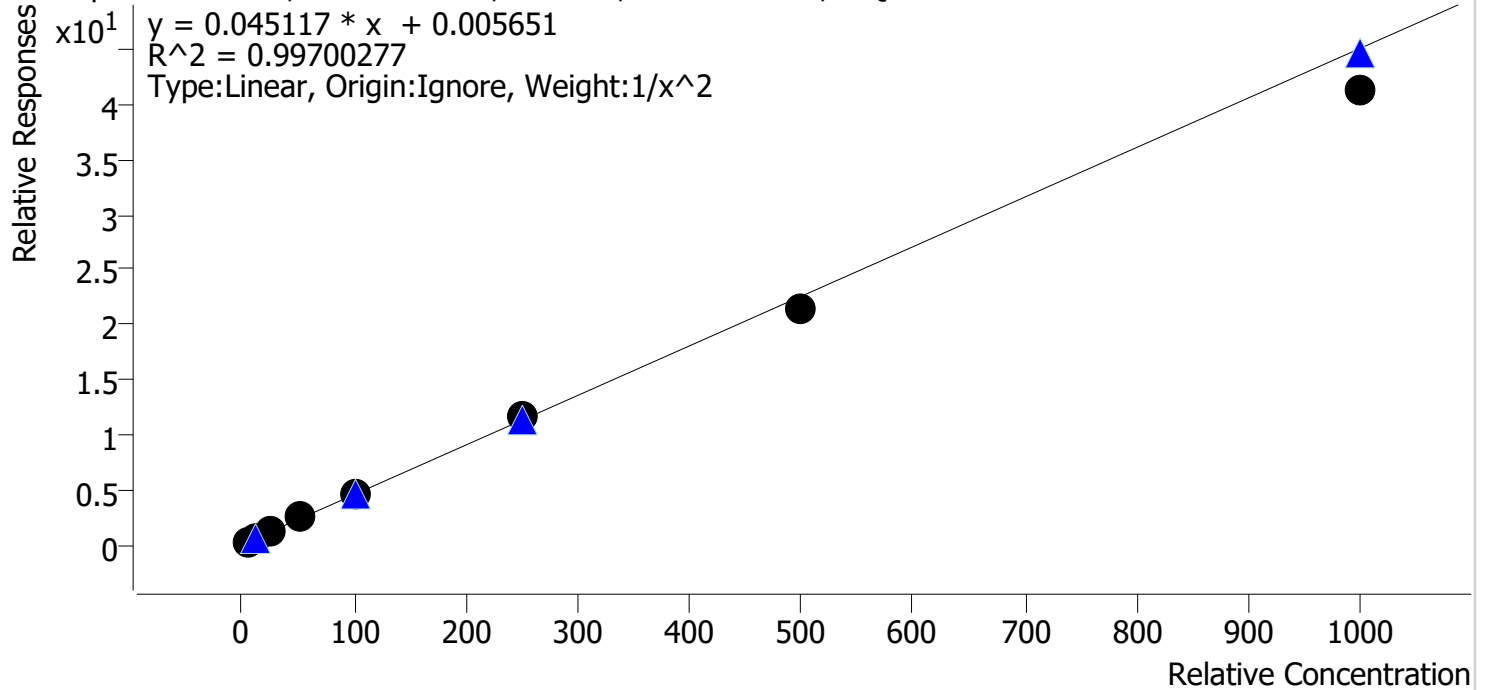


| Sample    | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1     | ✓       | 5.0                    | 5.0                 | 100.2    |
| cal 2 mdq | 2     | ✓       | 10.0                   | 10.0                | 100.0    |
| cal 3 mdq | 3     | ✓       | 25.0                   | 24.7                | 98.7     |
| cal 4 mdq | 4     | ✓       | 50.0                   | 50.6                | 101.3    |
| cal 5 mdq | 5     | ✓       | 100.0                  | 99.1                | 99.1     |
| cal 6 mdq | 6     | ✓       | 250.0                  | 249.0               | 99.6     |
| cal 7 mdq | 7     | ✓       | 500.0                  | 500.5               | 100.1    |
| cal 8 mdq | 8     | ✓       | 1000.0                 | 1010.4              | 101.0    |

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\111822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/21/2022 1:39 PM  
**Analyst Name** ISP\datastor  
**Analyte** Olanzapine **Internal Standard** Olanzapine-d8

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

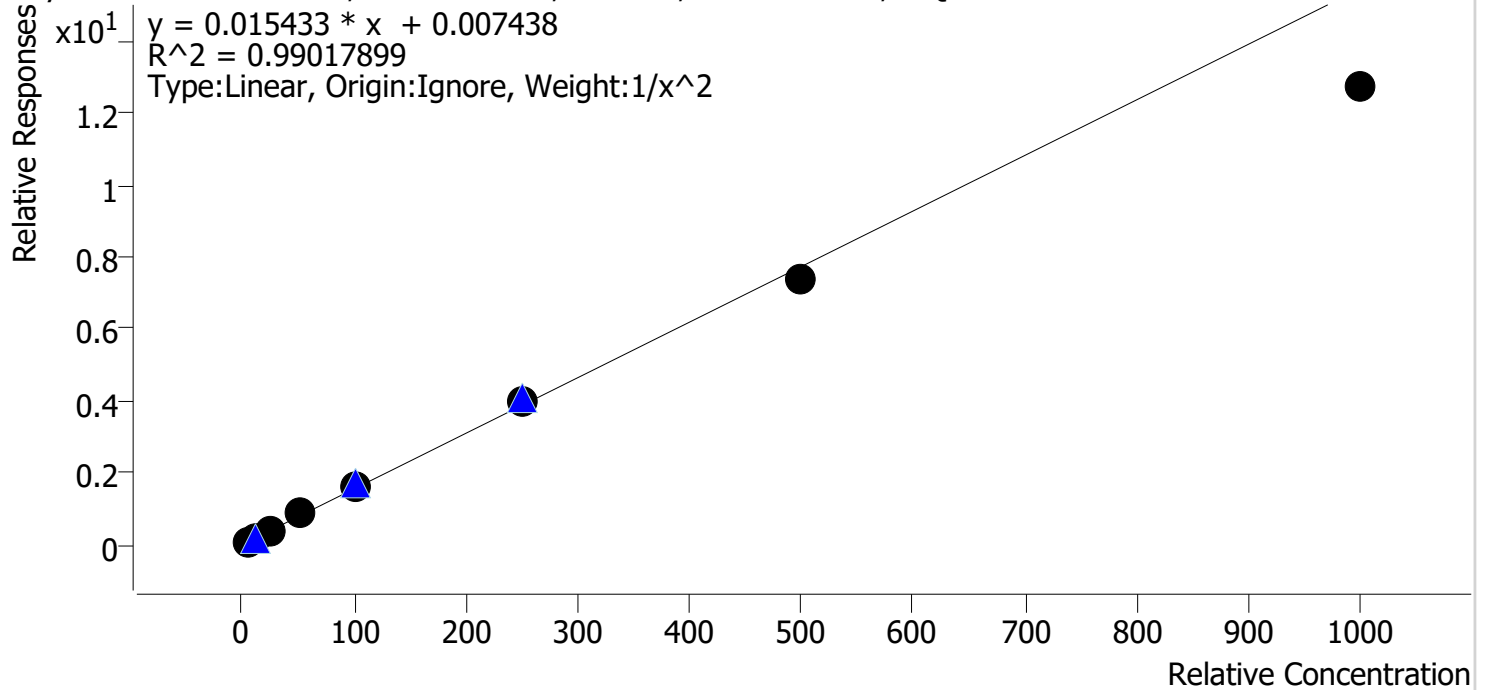


| Sample    | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1     | ✓       | 5.0                    | 4.9                 | 98.9     |
| cal 2 mdq | 2     | ✓       | 10.0                   | 9.9                 | 99.2     |
| cal 3 mdq | 3     | ✓       | 25.0                   | 26.1                | 104.3    |
| cal 4 mdq | 4     | ✓       | 50.0                   | 52.4                | 104.9    |
| cal 5 mdq | 5     | ✓       | 100.0                  | 102.1               | 102.1    |
| cal 6 mdq | 6     | ✓       | 250.0                  | 259.5               | 103.8    |
| cal 7 mdq | 7     | ✓       | 500.0                  | 477.5               | 95.5     |
| cal 8 mdq | 8     | ✓       | 1000.0                 | 912.9               | 91.3     |

# Compound Calibration Report

|                         |  |                          |                   |
|-------------------------|--|--------------------------|-------------------|
| <b>Batch results</b>    | D:\MassHunter\Data\2022\am 27-28\111822\QuantResults\mdq.batch.bin |                          |                   |
| <b>Last Cal. Update</b> | 11/21/2022 1:39 PM   |                          |                   |
| <b>Analyst Name</b>     | ISP\datastor   |                          |                   |
| <b>Analyte</b>          | Dihydrocodeine   | <b>Internal Standard</b> | Dihydrocodeine-D6 |

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

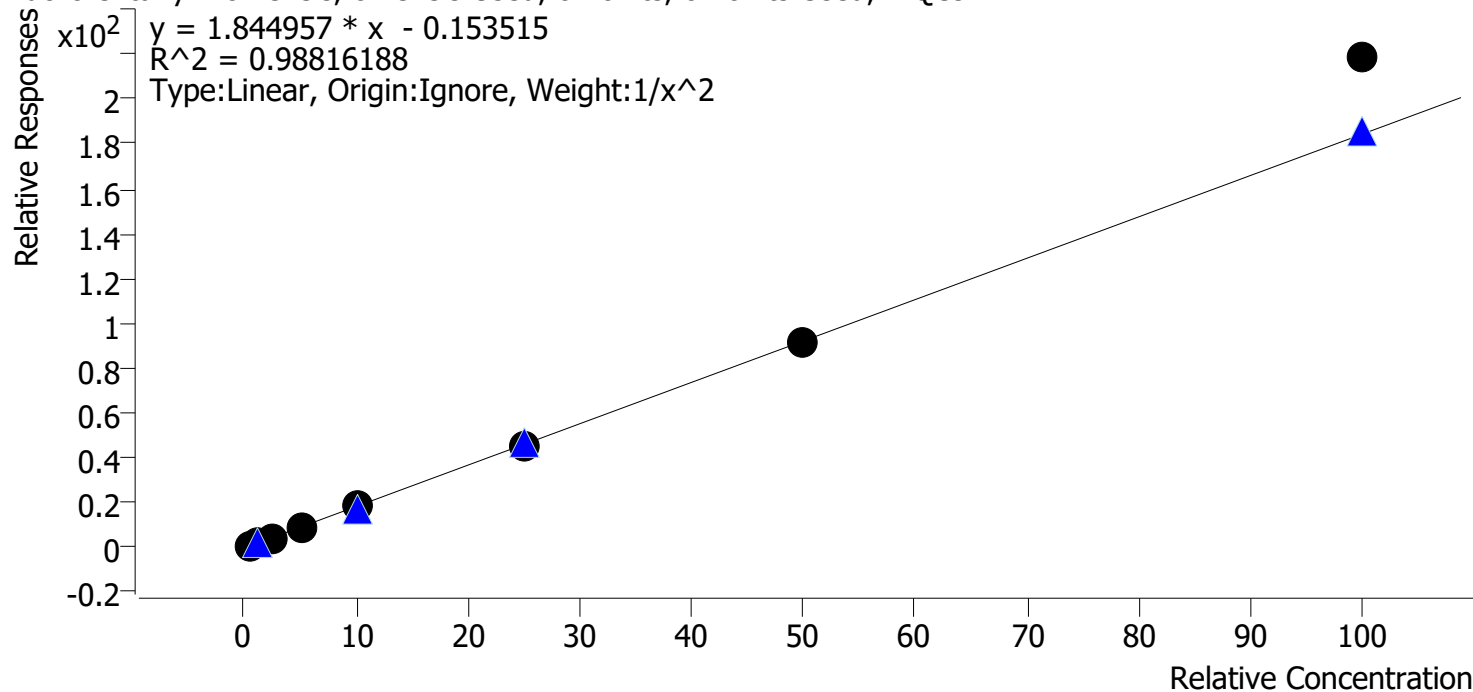


| Sample    | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1     | ✓       | 5.0                    | 4.8                 | 96.8     |
| cal 2 mdq | 2     | ✓       | 10.0                   | 10.2                | 101.9    |
| cal 3 mdq | 3     | ✓       | 25.0                   | 26.4                | 105.4    |
| cal 4 mdq | 4     | ✓       | 50.0                   | 54.7                | 109.4    |
| cal 5 mdq | 5     | ✓       | 100.0                  | 107.1               | 107.1    |
| cal 6 mdq | 6     | ✓       | 250.0                  | 254.7               | 101.9    |
| cal 7 mdq | 7     | ✓       | 500.0                  | 476.9               | 95.4     |
| cal 8 mdq | 8     | ✓       | 1000.0                 | 822.0               | 82.2     |

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\111822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/21/2022 1:39 PM  
**Analyst Name** ISP\datastor  
**Analyte** Fluorofentanyl **Internal Standard** Fluorofentanyl-D5

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

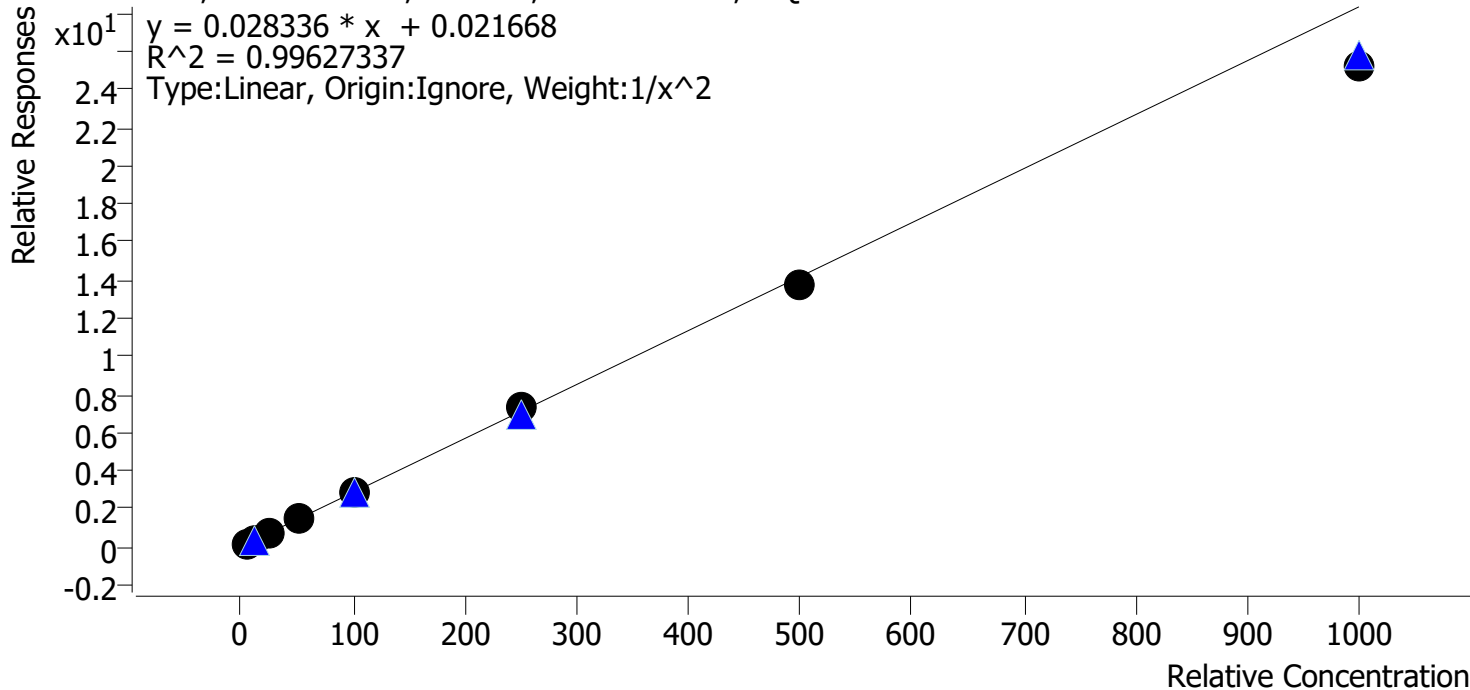


| Sample    | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1     | ✓       | 0.5                    | 0.5                 | 104.6    |
| cal 2 mdq | 2     | ✓       | 1.0                    | 1.0                 | 97.7     |
| cal 3 mdq | 3     | ✓       | 2.5                    | 2.1                 | 84.4     |
| cal 4 mdq | 4     | ✓       | 5.0                    | 4.8                 | 95.9     |
| cal 5 mdq | 5     | ✓       | 10.0                   | 10.0                | 100.5    |
| cal 6 mdq | 6     | ✓       | 25.0                   | 24.7                | 98.6     |
| cal 7 mdq | 7     | ✓       | 50.0                   | 49.9                | 99.8     |
| cal 8 mdq | 8     | ✓       | 100.0                  | 118.5               | 118.5    |

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\111822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/21/2022 1:39 PM  
**Analyst Name** ISP\datastor  
**Analyte** DMT **Internal Standard** MDMA-D6

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

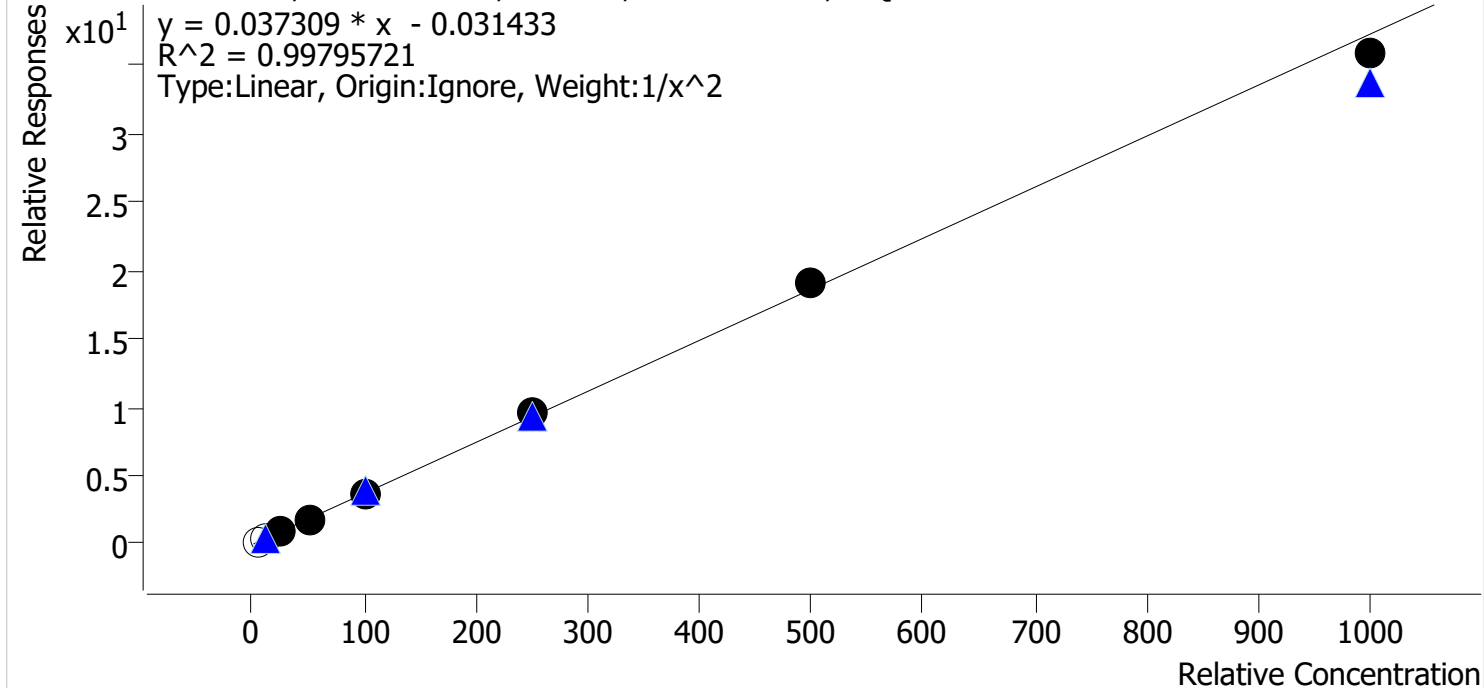


| Sample    | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1     | ✓       | 5.0                    | 4.9                 | 98.2     |
| cal 2 mdq | 2     | ✓       | 10.0                   | 10.1                | 100.7    |
| cal 3 mdq | 3     | ✓       | 25.0                   | 26.1                | 104.2    |
| cal 4 mdq | 4     | ✓       | 50.0                   | 52.3                | 104.7    |
| cal 5 mdq | 5     | ✓       | 100.0                  | 102.1               | 102.1    |
| cal 6 mdq | 6     | ✓       | 250.0                  | 260.7               | 104.3    |
| cal 7 mdq | 7     | ✓       | 500.0                  | 484.2               | 96.8     |
| cal 8 mdq | 8     | ✓       | 1000.0                 | 889.8               | 89.0     |

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\111822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/21/2022 1:39 PM  
**Analyst Name** ISP\datastor  
**Analyte** Duloxetine **Internal Standard** Duloxetine-d3

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



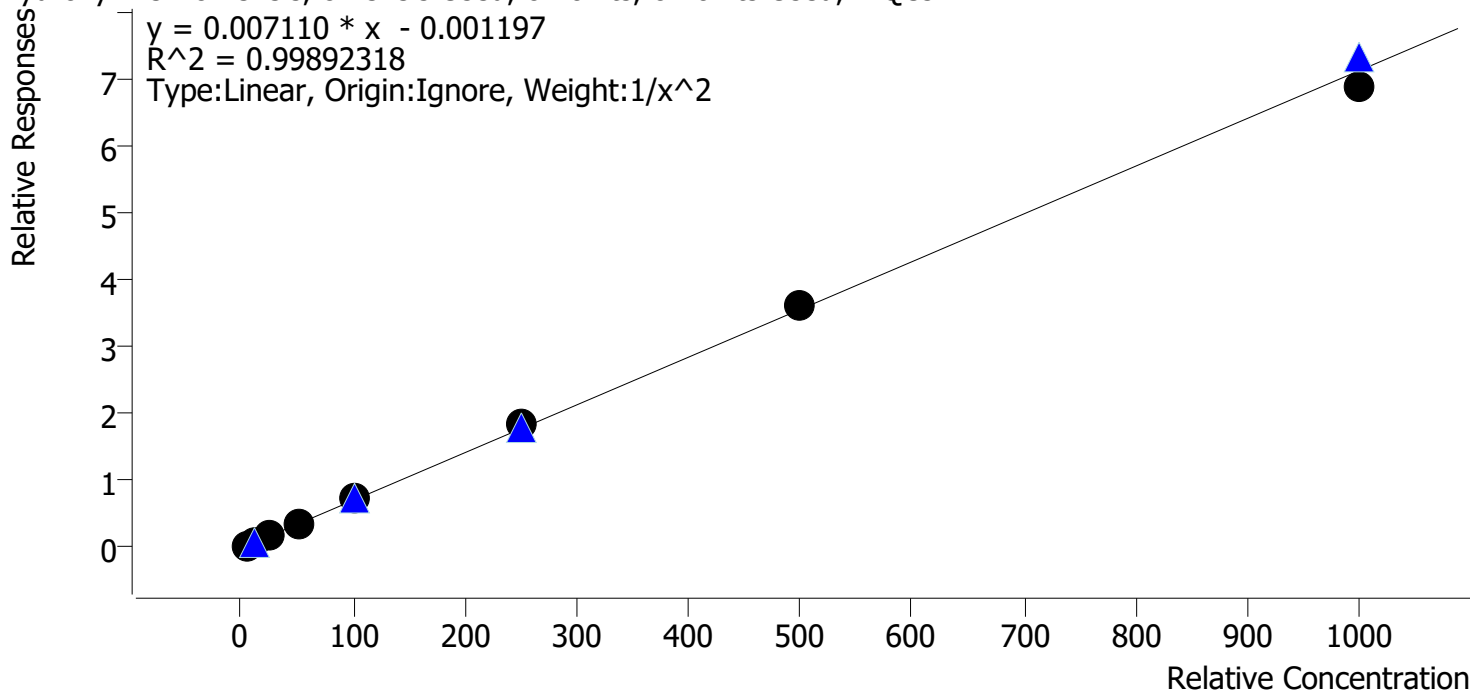
| Sample    | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1     | x       | 5.0                    | 5.4                 | 108.6    |
| cal 2 mdq | 2     | x       | 10.0                   | 10.0                | 99.8     |
| cal 3 mdq | 3     | ✓       | 25.0                   | 24.8                | 99.4     |
| cal 4 mdq | 4     | ✓       | 50.0                   | 51.4                | 102.8    |
| cal 5 mdq | 5     | ✓       | 100.0                  | 95.3                | 95.3     |
| cal 6 mdq | 6     | ✓       | 250.0                  | 258.9               | 103.6    |
| cal 7 mdq | 7     | ✓       | 500.0                  | 514.0               | 102.8    |
| cal 8 mdq | 8     | ✓       | 1000.0                 | 961.8               | 96.2     |

# Compound Calibration Report

**Batch results**          D:\MassHunter\Data\2022\am 27-28\111822\QuantResults\mdq.batch.bin  
**Last Cal. Update**      11/21/2022 1:39 PM  
**Analyst Name**          ISP\datastor  
**Analyte**                  Hydroxyzine

**Internal Standard**          Promethazine-D3

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



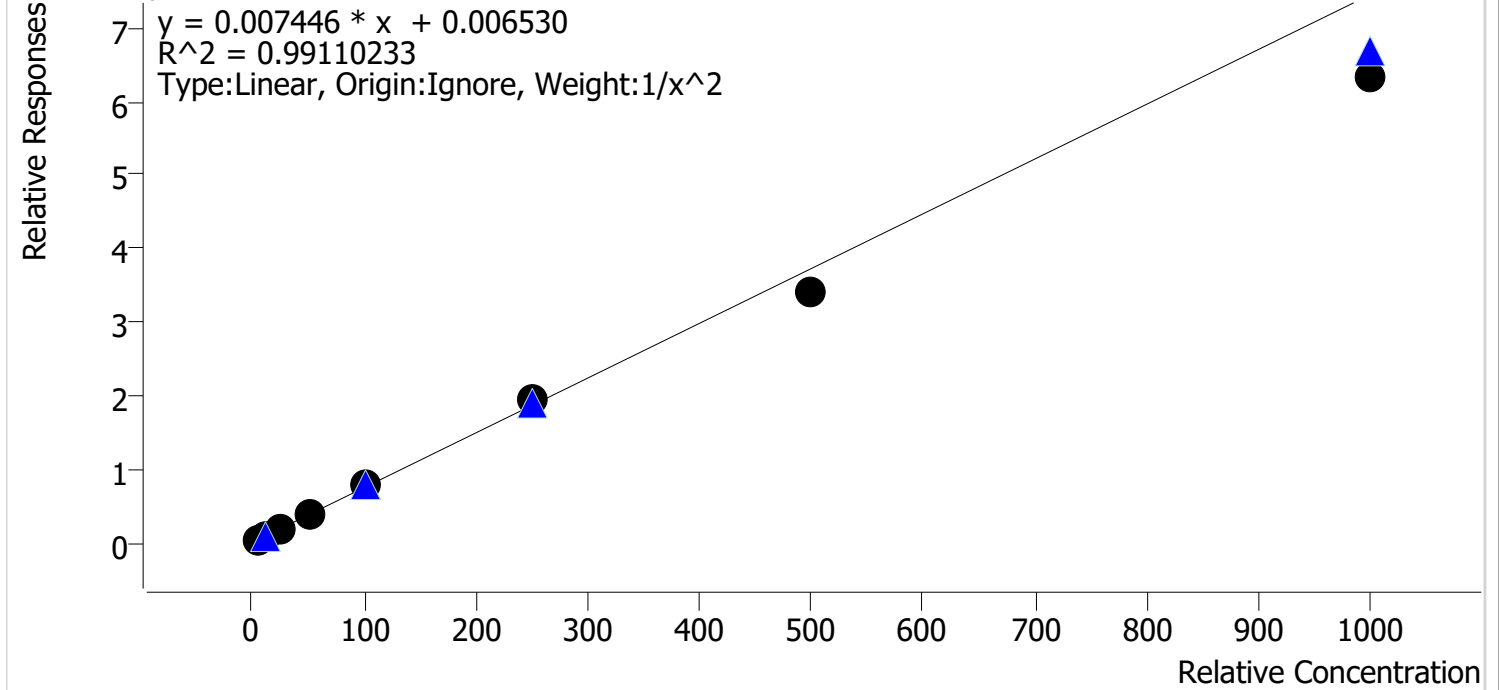
| Sample    | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1     | ✓       | 5.0                    | 5.1                 | 102.2    |
| cal 2 mdq | 2     | ✓       | 10.0                   | 9.6                 | 95.5     |
| cal 3 mdq | 3     | ✓       | 25.0                   | 25.1                | 100.2    |
| cal 4 mdq | 4     | ✓       | 50.0                   | 48.9                | 97.8     |
| cal 5 mdq | 5     | ✓       | 100.0                  | 102.9               | 102.9    |
| cal 6 mdq | 6     | ✓       | 250.0                  | 256.5               | 102.6    |
| cal 7 mdq | 7     | ✓       | 500.0                  | 509.0               | 101.8    |
| cal 8 mdq | 8     | ✓       | 1000.0                 | 969.5               | 97.0     |



# Compound Calibration Report

|                         |  |                          |                     |
|-------------------------|--|--------------------------|---------------------|
| <b>Batch results</b>    | D:\MassHunter\Data\2022\am 27-28\111822\QuantResults\mdq.batch.bin |                          |                     |
| <b>Last Cal. Update</b> | 11/21/2022 1:39 PM   |                          |                     |
| <b>Analyst Name</b>     | ISP\datastor   |                          |                     |
| <b>Analyte</b>          | Chlordiazepoxide   | <b>Internal Standard</b> | Chlordiazepoxide-d5 |

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

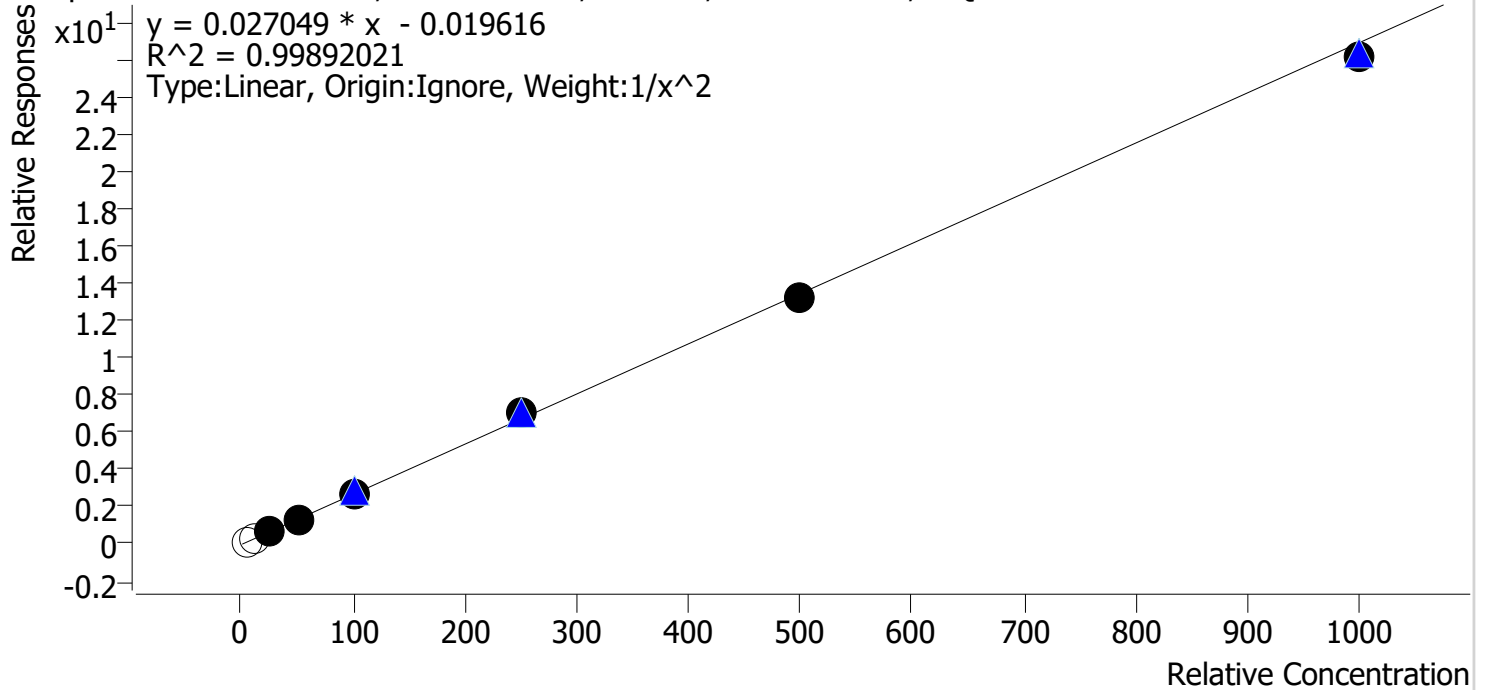


| Sample    | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1     | ✓       | 5.0                    | 4.8                 | 96.6     |
| cal 2 mdq | 2     | ✓       | 10.0                   | 10.3                | 103.2    |
| cal 3 mdq | 3     | ✓       | 25.0                   | 26.0                | 103.9    |
| cal 4 mdq | 4     | ✓       | 50.0                   | 54.0                | 108.1    |
| cal 5 mdq | 5     | ✓       | 100.0                  | 106.8               | 106.8    |
| cal 6 mdq | 6     | ✓       | 250.0                  | 263.0               | 105.2    |
| cal 7 mdq | 7     | ✓       | 500.0                  | 456.7               | 91.3     |
| cal 8 mdq | 8     | ✓       | 1000.0                 | 850.5               | 85.0     |

# Compound Calibration Report

|                         |  |                          |                     |
|-------------------------|--|--------------------------|---------------------|
| <b>Batch results</b>    | D:\MassHunter\Data\2022\11\27-28\111822\QuantResults\mdq.batch.bin |                          |                     |
| <b>Last Cal. Update</b> | 11/21/2022 1:39 PM   |                          |                     |
| <b>Analyst Name</b>     | ISP\datastor   |                          |                     |
| <b>Analyte</b>          | Chlorpheniramine   | <b>Internal Standard</b> | Chlorpheniramine-d6 |

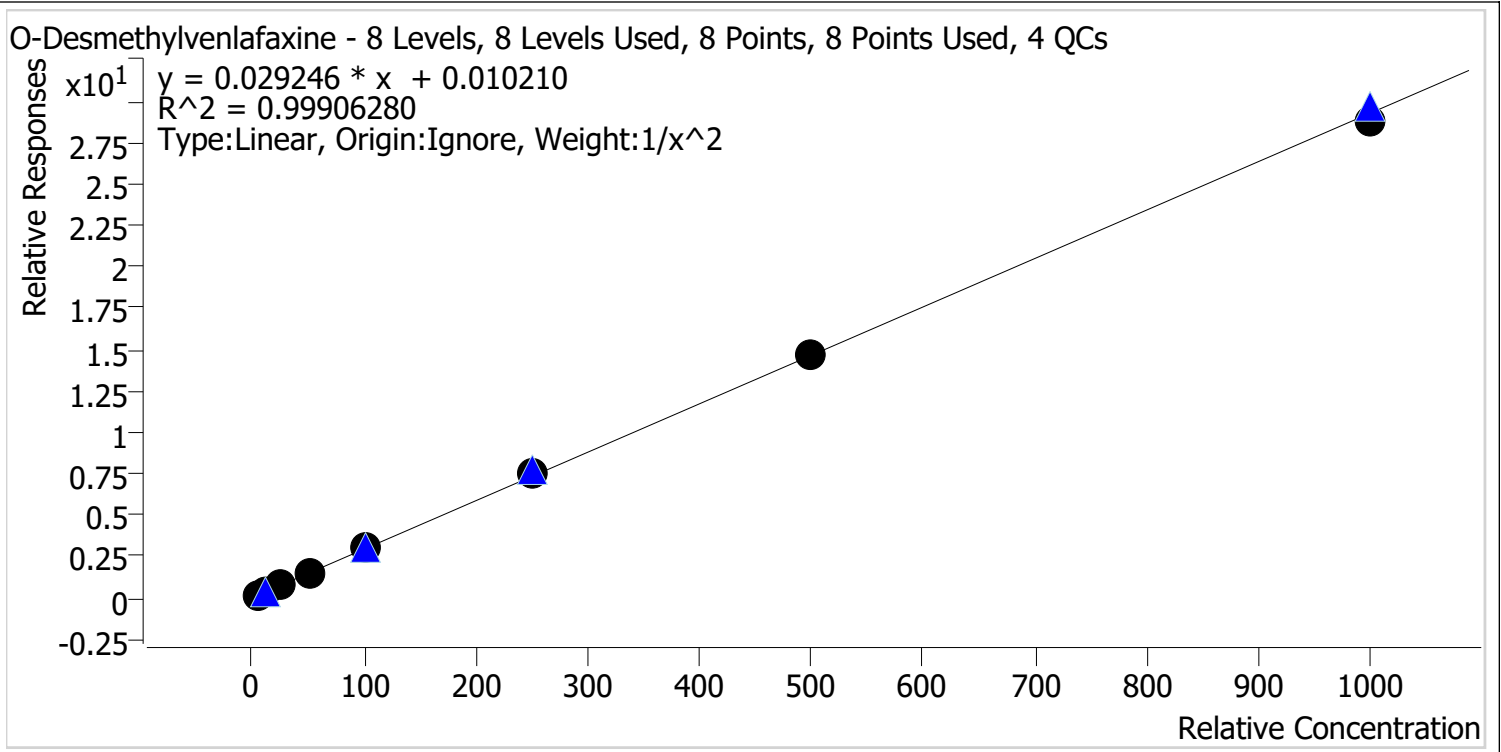
Chlorpheniramine - 8 Levels, 6 Levels Used, 8 Points, 6 Points Used, 4 QCs



| Sample    | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1     | x       | 5.0                    | 5.6                 | 112.2    |
| cal 2 mdq | 2     | x       | 10.0                   | 11.3                | 112.7    |
| cal 3 mdq | 3     | ✓       | 25.0                   | 24.8                | 99.1     |
| cal 4 mdq | 4     | ✓       | 50.0                   | 50.6                | 101.2    |
| cal 5 mdq | 5     | ✓       | 100.0                  | 99.9                | 99.9     |
| cal 6 mdq | 6     | ✓       | 250.0                  | 261.2               | 104.5    |
| cal 7 mdq | 7     | ✓       | 500.0                  | 492.0               | 98.4     |
| cal 8 mdq | 8     | ✓       | 1000.0                 | 968.8               | 96.9     |

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2022\am 27-28\111822\QuantResults\mdq.batch.bin  
**Last Cal. Update** 11/21/2022 1:39 PM  
**Analyst Name** ISP\datastor  
**Analyte** O-Desmethylvenlafaxine **Internal Standard** O-Desmethylvenlafaxine-d6



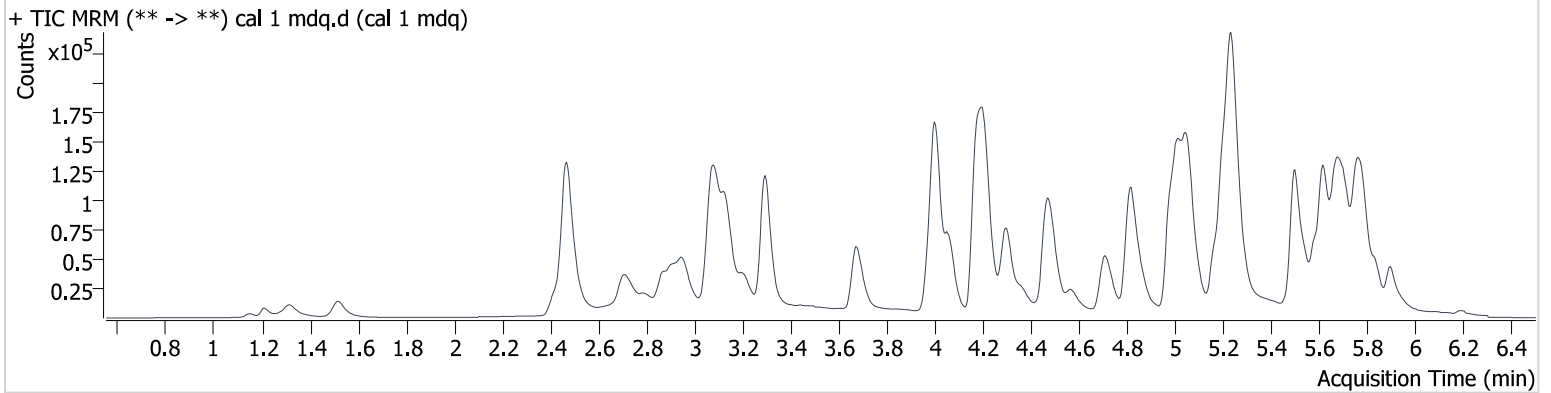
| Sample    | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1     | ✓       | 5.0                    | 5.1                 | 102.6    |
| cal 2 mdq | 2     | ✓       | 10.0                   | 9.5                 | 94.6     |
| cal 3 mdq | 3     | ✓       | 25.0                   | 24.8                | 99.2     |
| cal 4 mdq | 4     | ✓       | 50.0                   | 50.6                | 101.1    |
| cal 5 mdq | 5     | ✓       | 100.0                  | 101.7               | 101.7    |
| cal 6 mdq | 6     | ✓       | 250.0                  | 255.3               | 102.1    |
| cal 7 mdq | 7     | ✓       | 500.0                  | 503.1               | 100.6    |
| cal 8 mdq | 8     | ✓       | 1000.0                 | 980.4               | 98.0     |

# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\am 27-28\111822\QuantResults\mdq.batch.bin  
**Calibration Last Update** 11/21/2022 1:39:24 PM

**Instrument** 69679 **Data File** cal 1 mdq.d  
**Type** Cal **Sample** cal 1 mdq  
**Acq. Method** mdqp1 1-21-21long.m **Operator** Anne Nord  
**Sample Position** P2-A1 **Comment**  
**Injection Volume** 1  
**Acq. Date-Time** 11/18/2022 11:34:48 AM  
**Sample Info.**

## Sample Chromatogram



| Name                | RT    | Resp. | S/N     | Ratio             | S/N            | ISTD Resp. | Final Conc. |
|---------------------|-------|-------|---------|-------------------|----------------|------------|-------------|
| 6-MAM               | 3.062 | 368   | ∞       | 159.28            | 8046.6         | 20725      | 0.499 ng/ml |
| 7-aminoclonazepam   | 4.185 | 5362  | 641.2   | 134.81            | 1448.0         | 59388      | 4.750 ng/ml |
| a-hydroxyalprazolam | 5.634 | 1621  | 3917.3  | 54.47             | ∞              | 112714     | 5.339 ng/ml |
| alpha-PHP           | 4.869 | 7028  | 635.2   | 253.41            | 477.1          | 184586     | 5.042 ng/ml |
| alpha-PVP           | 4.306 | 25482 | 3120.0  | 56.80             | 484.1          | 184586     | 5.094 ng/ml |
| Alprazolam          | 5.718 | 12220 | 546.5   | 94.60             | 358.9          | 90497      | 5.194 ng/ml |
| Amphetamine         | 2.954 | 21392 | 507.9   | 265.33            | 1916.7         | 107736     | 4.808 ng/ml |
| Buprenorphine       | 5.664 | 648   | 13.5    | 21.41 <b>High</b> | ∞              | 19672      | 0.112 ng/ml |
| Bupropion           | 4.725 | 22876 | 2537.1  | 78.06             | 488.8          | 126096     | 4.971 ng/ml |
| Carisoprodol        | 5.669 | 10594 | 11311.9 | 65.89             | 187.4          | 62160      | 4.810 ng/ml |
| Chlordiazepoxide    | 5.792 | 6157  | 2605.2  | 35.26             | 17.7           | 144933     | 4.828 ng/ml |
| Chlorpheniramine    | 5.058 | 36018 | 2637.9  | 0.40 <b>High</b>  | 1004.3         | 272739     | 5.608 ng/ml |
| Citalopram          | 5.170 | 18162 | 961.9   | 37.28             | 45206.8        | 137055     | 4.979 ng/ml |
| Clonazepam          | 5.551 | 8297  | 42431.3 | 34.62             | ∞              | 32179      | 5.064 ng/ml |
| Clonazolam          | 5.497 | 6153  | 1384.2  | 37.96             | 814.9          | 32179      | 4.801 ng/ml |
| Cocaine             | 4.205 | 18554 | 98527.5 | 51.21             | 375.1          | 291971     | 5.057 ng/ml |
| Codeine             | 2.488 | 2513  | 2709.7  | 91.56             | 1110.9         | 21174      | 4.997 ng/ml |
| Cyclobenzaprine     | 5.585 | 22023 | 2187.3  | 8.86              | ∞              | 136538     | 5.106 ng/ml |
| Dextromethorphan    | 5.208 | 13023 | 6577.9  | 71.98             | ∞              | 128714     | 5.563 ng/ml |
| Dextrorphan         | 4.065 | 14677 | ∞       | 46.14             | 17368.6        | 136543     | 5.022 ng/ml |
| Diazepam            | 5.901 | 9763  | 530.6   | 77.34             | 6458.0         | 78171      | 5.233 ng/ml |
| Dihydrocodeine      | 2.457 | 5284  | 81.2    | 65.66             | 153.6          | 64352      | 4.838 ng/ml |
| Diphenhydramine     | 5.240 | 60890 | 9208.8  | 30.68             | 1301.5         | 541110     | 5.062 ng/ml |
| DMT                 | 2.744 | 5065  | 77.2    | 62.57             | 34.9           | 31488      | 4.912 ng/ml |
| Doxylamine          | 4.487 | 44595 | 3977.6  | 93.34             | 4512.7         | 277865     | 5.045 ng/ml |
| Duloxetine          | 5.620 | 3439  | 70.5    | 10.88             | 3.0 <b>Low</b> | 20100      | 5.428 ng/ml |
| EDDP                | 5.202 | 26352 | 32540.8 | 41.05             | 77410.2        | 238286     | 5.002 ng/ml |
| Etizolam            | 5.764 | 1711  | 4081.9  | 422.99            | 4019.7         | 78171      | 5.054 ng/ml |
| Fentanyl            | 5.031 | 2662  | 211.3   | 110.40            | 994.1          | 196550     | 0.492 ng/ml |
| Flualprazolam       | 5.650 | 6171  | 7929.3  | 76.87             | 28946.5        | 90497      | 4.948 ng/ml |
| Fluorofentanyl      | 5.082 | 1669  | 70.7    | 128.03            | 28.0           | 2057       | 0.523 ng/ml |
| Fluoxetine          | 5.677 | 26213 | 19489.4 | 5.84              | 2199.6         | 148038     | 5.003 ng/ml |
| Hydrocodone         | 2.941 | 9383  | 5830.1  | 37.93             | 390.0          | 96159      | 4.892 ng/ml |

# AM #28 Multi-Drug Quant. Results

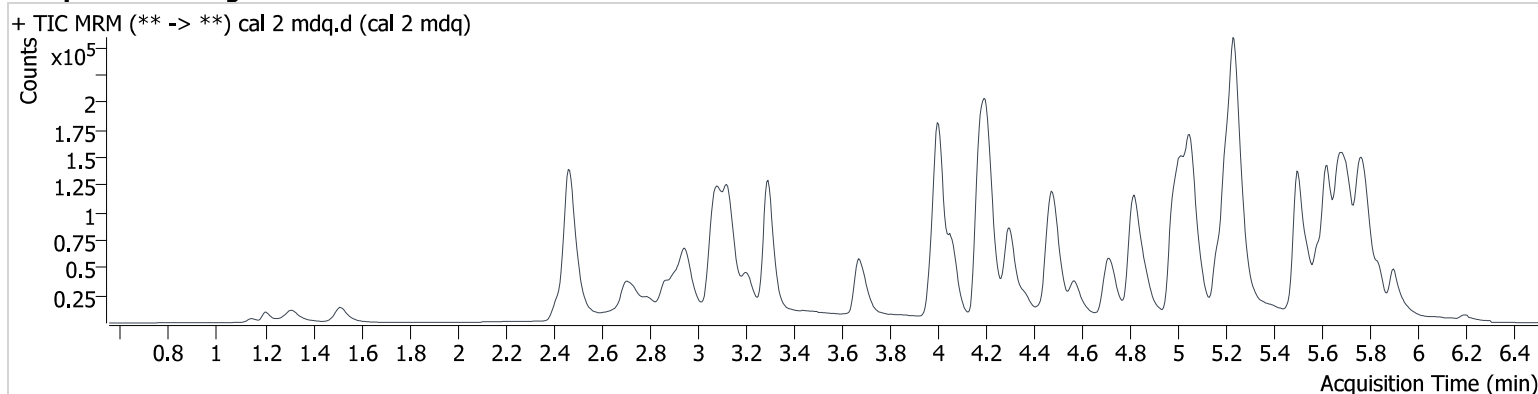
| Name                   | RT    | Resp.  | S/N     | Ratio             | S/N     | ISTD Resp. | Final Conc. |
|------------------------|-------|--------|---------|-------------------|---------|------------|-------------|
| Hydromorphone          | 1.527 | 6667   | 832.9   | 73.39             | 343.5   | 38768      | 5.094 ng/ml |
| Hydroxyzine            | 5.659 | 10424  | 244.8   | 113.72            | 5394.8  | 296670     | 5.110 ng/ml |
| Ketamine               | 3.994 | 16990  | 2962.0  | 32.49             | 75.3    | 142122     | 4.937 ng/ml |
| Lamotrigine            | 4.218 | 1592   | ∞       | 103.21            | 3897.2  | 136371     | 4.822 ng/ml |
| Lorazepam              | 5.692 | 8031   | 1044.1  | 43.17             | 134.4   | 112714     | 5.124 ng/ml |
| MDA                    | 3.111 | 26244  | 1120.6  | 29.39             | 110.5   | 136371     | 4.893 ng/ml |
| MDMA                   | 3.213 | 15938  | ∞       | 107.00            | 1149.6  | 31488      | 5.026 ng/ml |
| Meprobamate            | 4.829 | 7563   | 1408.6  | 38.39             | 167.7   | 45372      | 4.811 ng/ml |
| Methadone              | 5.619 | 33443  | 25841.9 | 60.44             | 306.9   | 236179     | 4.969 ng/ml |
| Methamphetamine        | 3.137 | 136867 | ∞       | 35.29             | 280.7   | 308078     | 4.697 ng/ml |
| Metoprolol             | 4.273 | 4165   | ∞       | 88.59             | ∞       | 367789     | 5.067 ng/ml |
| Mirtazapine            | 4.569 | 32526  | 6266.5  | 48.43             | 1130.1  | 31488      | 5.073 ng/ml |
| Mitragynine            | 5.163 | 6957   | 19001.0 | 28.70             | 8604.4  | 367789     | 5.021 ng/ml |
| Morphine               | 1.156 | 903    | 113.1   | 27.09             | 54.6    | 1688       | 4.924 ng/ml |
| Nordiazepam            | 5.845 | 8430   | 23689.6 | 56.56             | ∞       | 53833      | 4.984 ng/ml |
| Norfentanyl            | 4.030 | 933    | 296.3   | 258.01            | 107.1   | 275290     | 0.546 ng/ml |
| Noroxycodone           | 2.818 | 6703   | 450.1   | 56.98             | 262.2   | 42171      | 4.957 ng/ml |
| O-desmethyl-tramadol   | 3.299 | 35367  | 4707.4  | 7.27              | 546.5   | 292655     | 4.934 ng/ml |
| O-Desmethylvenlafaxine | 4.008 | 9833   | 194.6   | 252.71            | 727.5   | 61346      | 5.131 ng/ml |
| Olanzapine             | 4.434 | 10504  | 14.2    | 42.04             | 105.7   | 45895      | 4.947 ng/ml |
| Oxazepam               | 5.699 | 13896  | 365.1   | 64.18             | 478.7   | 112714     | 5.090 ng/ml |
| Oxycodone              | 2.741 | 16449  | 1381.1  | 34.58             | 15286.0 | 110056     | 4.885 ng/ml |
| Phentermine            | 3.709 | 6649   | 119.7   | 14.72 <b>High</b> | 47.8    | 163250     | 3.711 ng/ml |
| Promethazine           | 5.495 | 30419  | 1577.4  | 41.05             | 658.3   | 296670     | 5.070 ng/ml |
| Pseudoephedrine        | 2.481 | 44264  | 1390.6  | 17.79             | 1580.6  | 367789     | 5.008 ng/ml |
| Quetiapine             | 5.492 | 13857  | 870.2   | 65.88             | 9205.9  | 38587      | 5.152 ng/ml |
| Sertraline             | 5.745 | 8519   | ∞       | 96.29             | ∞       | 62436      | 5.176 ng/ml |
| Temazepam              | 5.766 | 26495  | 920.8   | 24.40             | 96.0    | 215483     | 5.008 ng/ml |
| Tramadol               | 4.187 | 41587  | 12609.0 | 3.81              | ∞       | 341015     | 4.901 ng/ml |
| Trazodone              | 5.056 | 21075  | 836.2   | 83.58             | 14671.8 | 170929     | 4.909 ng/ml |
| Venlafaxine            | 4.981 | 27799  | 2041.5  | 52.27             | 348.2   | 279410     | 5.041 ng/ml |
| Zolpidem               | 4.831 | 38274  | 90366.2 | 25.33             | 6801.6  | 289771     | 5.023 ng/ml |

# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\am 27-28\111822\QuantResults\mdq.batch.bin  
**Calibration Last Update** 11/21/2022 1:39:24 PM

**Instrument** 69679 **Data File** cal 2 mdq.d  
**Type** Cal **Sample** cal 2 mdq  
**Acq. Method** mdqp1 1-21-21long.m **Operator** Anne Nord  
**Sample Position** P2-B1 **Comment**  
**Injection Volume** 1  
**Acq. Date-Time** 11/18/2022 11:43:49 AM  
**Sample Info.**

## Sample Chromatogram



| Name                | RT    | Resp.  | S/N     | Ratio           | S/N            | ISTD Resp. | Final Conc.  |
|---------------------|-------|--------|---------|-----------------|----------------|------------|--------------|
| 6-MAM               | 3.062 | 729    | 3072.5  | 152.58          | 1539.0         | 19628      | 0.971 ng/ml  |
| 7-aminoclonazepam   | 4.191 | 10930  | 1309.8  | 122.76          | 874.0          | 58770      | 10.353 ng/ml |
| a-hydroxyalprazolam | 5.639 | 2578   | 19255.4 | 68.59           | 2467.8         | 107441     | 9.136 ng/ml  |
| alpha-PHP           | 4.869 | 13403  | 2512.7  | 250.82          | 8637.5         | 176927     | 9.894 ng/ml  |
| alpha-PVP           | 4.306 | 47358  | 8947.3  | 56.30           | 1567.7         | 176927     | 9.678 ng/ml  |
| Alprazolam          | 5.718 | 21797  | 1160.3  | 98.71           | 440.0          | 85290      | 9.425 ng/ml  |
| Amphetamine         | 2.949 | 36490  | 549.5   | 291.35          | 2258.0         | 100839     | 10.198 ng/ml |
| Buprenorphine       | 5.659 | 1076   | 89.5    | 16.78           | ∞              | 18484      | 0.474 ng/ml  |
| Bupropion           | 4.725 | 42249  | 24305.1 | 75.11           | 3073.3         | 119191     | 10.016 ng/ml |
| Carisoprodol        | 5.674 | 20910  | ∞       | 65.74           | 305.5          | 56412      | 10.669 ng/ml |
| Chlordiazepoxide    | 5.792 | 11358  | 364.2   | 34.54           | 47.5           | 136280     | 10.315 ng/ml |
| Chlorpheniramine    | 5.053 | 72242  | 5465.1  | 0.20            | 15.5           | 253277     | 11.270 ng/ml |
| Citalopram          | 5.165 | 34044  | 580.0   | 39.68           | 54889.2        | 127834     | 9.949 ng/ml  |
| Clonazepam          | 5.551 | 14928  | 45197.1 | 35.41           | ∞              | 29594      | 9.868 ng/ml  |
| Clonazolam          | 5.492 | 12064  | 6210.2  | 39.36           | 4669.2         | 29594      | 10.704 ng/ml |
| Cocaine             | 4.210 | 34341  | 84762.4 | 50.49           | 9534.7         | 279211     | 9.892 ng/ml  |
| Codeine             | 2.488 | 4308   | 1376.3  | 101.89          | 1457.7         | 19490      | 9.875 ng/ml  |
| Cyclobenzaprine     | 5.585 | 38854  | 4302.4  | 9.33            | 1084.8         | 125379     | 9.600 ng/ml  |
| Dextromethorphan    | 5.203 | 25412  | 10477.2 | 68.82           | 193734.9       | 121033     | 10.349 ng/ml |
| Dextrorphan         | 4.060 | 27623  | 4007.7  | 45.56           | 85672.5        | 130770     | 9.862 ng/ml  |
| Diazepam            | 5.901 | 15808  | 3529.1  | 93.31           | 2949.2         | 74456      | 8.952 ng/ml  |
| Dihydrocodeine      | 2.452 | 9963   | 167.3   | 72.19           | 891.8          | 60476      | 10.192 ng/ml |
| Diphenhydramine     | 5.240 | 111623 | 4733.1  | 32.14           | ∞              | 502205     | 9.919 ng/ml  |
| DMT                 | 2.749 | 9096   | 239.6   | 67.52           | 300.7          | 29627      | 10.070 ng/ml |
| Doxylamine          | 4.487 | 85498  | 6212.5  | 92.07           | 6273.9         | 277648     | 9.769 ng/ml  |
| Duloxetine          | 5.615 | 6470   | 187.0   | 7.69 <b>Low</b> | 2.8 <b>Low</b> | 18976      | 9.981 ng/ml  |
| EDDP                | 5.202 | 49794  | 4786.6  | 39.19           | ∞              | 223700     | 9.973 ng/ml  |
| Etizolam            | 5.764 | 3010   | 4370.2  | 417.29          | 117435.3       | 74456      | 9.810 ng/ml  |
| Fentanyl            | 5.031 | 4675   | 125.5   | 113.84          | ∞              | 187087     | 1.040 ng/ml  |
| Flualprazolam       | 5.655 | 10833  | 20927.8 | 94.19           | ∞              | 85290      | 9.861 ng/ml  |
| Fluorofentanyl      | 5.082 | 3249   | 1113.1  | 121.29          | 20.4           | 1971       | 0.977 ng/ml  |
| Fluoxetine          | 5.677 | 45474  | 1752.4  | 7.14            | 2479.9         | 134330     | 9.874 ng/ml  |
| Hydrocodone         | 2.936 | 16828  | 313.2   | 41.73           | 2121.6         | 90980      | 10.064 ng/ml |

# AM #28 Multi-Drug Quant. Results

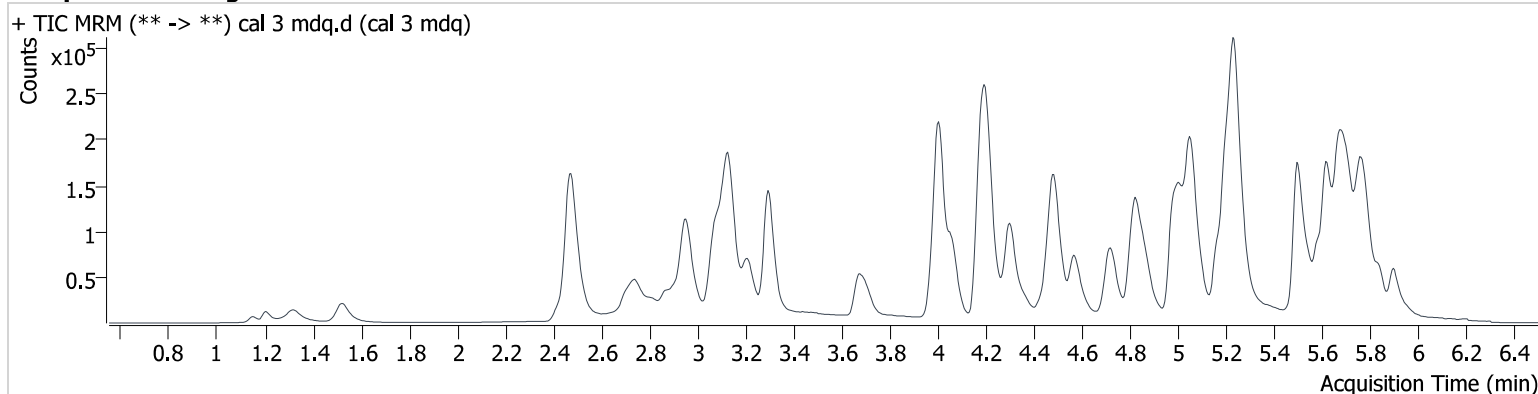
| Name                   | RT    | Resp.  | S/N      | Ratio  | S/N        | ISTD Resp. | Final Conc.  |
|------------------------|-------|--------|----------|--------|------------|------------|--------------|
| Hydromorphone          | 1.522 | 10728  | 389.5    | 76.40  | 318.2      | 32519      | 9.975 ng/ml  |
| Hydroxyzine            | 5.659 | 18265  | 7281.0   | 118.34 | 159.7      | 273707     | 9.554 ng/ml  |
| Ketamine               | 3.994 | 31485  | ∞        | 36.83  | 614.6      | 135244     | 10.074 ng/ml |
| Lamotrigine            | 4.218 | 3048   | 2296.6   | 94.79  | ∞          | 129050     | 10.296 ng/ml |
| Lorazepam              | 5.697 | 12758  | 423.5    | 59.69  | 238.3      | 107441     | 8.939 ng/ml  |
| MDA                    | 3.111 | 49693  | ∞        | 29.55  | 109.1      | 129050     | 10.149 ng/ml |
| MDMA                   | 3.208 | 29623  | 48677.2  | 105.57 | 2224.0     | 29627      | 10.002 ng/ml |
| Meprobamate            | 4.823 | 14876  | 570.3    | 36.42  | 826.9      | 43319      | 10.375 ng/ml |
| Methadone              | 5.619 | 62494  | 955730.7 | 57.34  | 11039894.8 | 216423     | 10.289 ng/ml |
| Methamphetamine        | 3.132 | 159862 | 1908.6   | 37.70  | ∞          | 277984     | 10.692 ng/ml |
| Metoprolol             | 4.268 | 7479   | ∞        | 100.78 | 3675.5     | 342589     | 9.846 ng/ml  |
| Mirtazapine            | 4.569 | 61979  | 50290.3  | 50.59  | 1625.2     | 29627      | 9.904 ng/ml  |
| Mitragynine            | 5.163 | 12290  | 39165.1  | 33.28  | 12144.2    | 342589     | 9.757 ng/ml  |
| Morphine               | 1.151 | 1494   | 426.8    | 29.91  | 130.1      | 1344       | 10.381 ng/ml |
| Nordiazepam            | 5.845 | 16007  | ∞        | 56.58  | 12899.7    | 50622      | 10.053 ng/ml |
| Norfentanyl            | 4.020 | 1204   | 211.5    | 281.40 | 350.8      | 256799     | 0.873 ng/ml  |
| Noroxycodone           | 2.813 | 12716  | 1110.6   | 54.58  | 439.5      | 39862      | 10.071 ng/ml |
| O-desmethyl-tramadol   | 3.299 | 69903  | 7410.0   | 6.34   | 451.9      | 278148     | 10.256 ng/ml |
| O-Desmethylvenlafaxine | 4.008 | 17584  | 174.9    | 262.50 | 128.4      | 61288      | 9.461 ng/ml  |
| Olanzapine             | 4.434 | 20253  | 2061.0   | 42.42  | 165.0      | 44673      | 9.923 ng/ml  |
| Oxazepam               | 5.699 | 24577  | 528.8    | 68.56  | 459.5      | 107441     | 9.700 ng/ml  |
| Oxycodone              | 2.736 | 29972  | 1031.8   | 33.38  | 585.8      | 103823     | 9.958 ng/ml  |
| Phentermine            | 3.704 | 13895  | 58.9     | 10.34  | 433.9      | 154253     | 9.863 ng/ml  |
| Promethazine           | 5.500 | 56095  | ∞        | 38.89  | 692.4      | 273707     | 9.857 ng/ml  |
| Pseudoephedrine        | 2.476 | 82782  | 2192.3   | 17.66  | ∞          | 342589     | 10.003 ng/ml |
| Quetiapine             | 5.486 | 24748  | 29563.7  | 68.14  | 87941.7    | 39728      | 9.036 ng/ml  |
| Sertraline             | 5.745 | 15135  | ∞        | 107.46 | 8063.3     | 61632      | 9.517 ng/ml  |
| Temazepam              | 5.766 | 48334  | 996.1    | 26.64  | 84.5       | 203752     | 9.972 ng/ml  |
| Tramadol               | 4.187 | 81643  | 54615.7  | 3.74   | 49.6       | 320352     | 10.340 ng/ml |
| Trazodone              | 5.056 | 40421  | 2626.5   | 80.06  | 1294.7     | 158952     | 10.234 ng/ml |
| Venlafaxine            | 4.981 | 54047  | 3472.7   | 46.43  | 308.4      | 262639     | 10.152 ng/ml |
| Zolpidem               | 4.831 | 68317  | 2177.3   | 26.39  | 4702.0     | 271374     | 9.809 ng/ml  |

# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\am 27-28\111822\QuantResults\mdq.batch.bin  
**Calibration Last Update** 11/21/2022 1:39:24 PM

**Instrument** 69679 **Data File** cal 3 mdq.d  
**Type** Cal **Sample** cal 3 mdq  
**Acq. Method** mdqp1 1-21-21long.m **Operator** Anne Nord  
**Sample Position** P2-C1 **Comment**  
**Injection Volume** 1  
**Acq. Date-Time** 11/18/2022 11:52:49 AM  
**Sample Info.**

## Sample Chromatogram



| Name                | RT    | Resp.  | S/N      | Ratio  | S/N     | ISTD Resp. | Final Conc.  |
|---------------------|-------|--------|----------|--------|---------|------------|--------------|
| 6-MAM               | 3.067 | 1747   | 426.1    | 135.32 | 6024.0  | 16488      | 2.646 ng/ml  |
| 7-aminoclonazepam   | 4.191 | 20189  | 2032.6   | 121.93 | 2223.3  | 40935      | 28.338 ng/ml |
| a-hydroxyalprazolam | 5.634 | 5387   | ∞        | 76.47  | 4831.1  | 94439      | 22.203 ng/ml |
| alpha-PHP           | 4.869 | 29172  | 1086.1   | 252.81 | 12089.6 | 154931     | 24.386 ng/ml |
| alpha-PVP           | 4.306 | 106375 | 9595.4   | 53.75  | 2528.5  | 154931     | 24.493 ng/ml |
| Alprazolam          | 5.718 | 48966  | 1071.6   | 99.46  | 1165.5  | 73750      | 23.760 ng/ml |
| Amphetamine         | 2.954 | 76021  | 2792.2   | 275.63 | 2942.6  | 85376      | 27.645 ng/ml |
| Benzoylcegonine     | 3.797 | 1773   | 7320.5   | 39.90  | 27.4    | 2539       | 24.685 ng/ml |
| Buprenorphine       | 5.664 | 3202   | 184.5    | 11.74  | 936.6   | 15674      | 2.563 ng/ml  |
| Bupropion           | 4.725 | 95855  | 9544.5   | 73.04  | ∞       | 108170     | 25.516 ng/ml |
| Carisoprodol        | 5.669 | 43281  | 201807.4 | 66.72  | 336.4   | 50849      | 24.730 ng/ml |
| Chlordiazepoxide    | 5.787 | 24338  | 1731.1   | 35.41  | 249.7   | 121739     | 25.971 ng/ml |
| Chlorpheniramine    | 5.053 | 154533 | 68482.2  | 0.22   | 72.2    | 237477     | 24.783 ng/ml |
| Citalopram          | 5.165 | 77816  | 2135.5   | 36.10  | 54990.6 | 111174     | 26.055 ng/ml |
| Clonazepam          | 5.551 | 33172  | 632.8    | 37.96  | 37188.9 | 26677      | 24.262 ng/ml |
| Clonazolam          | 5.497 | 22658  | 2622.2   | 46.28  | 1575.8  | 26677      | 22.752 ng/ml |
| Cocaine             | 4.210 | 72588  | 133840.5 | 51.52  | 10569.0 | 243570     | 24.128 ng/ml |
| Codeine             | 2.493 | 9545   | 5359.7   | 94.83  | 1401.4  | 17591      | 25.201 ng/ml |
| Cyclobenzaprine     | 5.585 | 87759  | 10409.4  | 8.20   | 8373.7  | 108142     | 24.772 ng/ml |
| Dextromethorphan    | 5.208 | 56918  | 129148.9 | 77.38  | ∞       | 108335     | 24.225 ng/ml |
| Dextrorphan         | 4.065 | 61047  | ∞        | 45.45  | 3896.6  | 113854     | 25.024 ng/ml |
| Diazepam            | 5.901 | 37716  | 1975.4   | 86.15  | 30284.5 | 63419      | 25.224 ng/ml |
| Dihydrocodeine      | 2.457 | 21579  | 582.7    | 67.14  | 190.7   | 52099      | 26.355 ng/ml |
| Diphenhydramine     | 5.240 | 246891 | 24516.1  | 32.66  | ∞       | 448502     | 24.447 ng/ml |
| DMT                 | 2.749 | 19779  | 103.7    | 69.41  | 1207.4  | 26027      | 26.055 ng/ml |
| Doxylamine          | 4.487 | 183865 | 8228.4   | 93.41  | 11974.5 | 232414     | 25.250 ng/ml |
| Duloxetine          | 5.615 | 14289  | 428.8    | 9.45   | 23.8    | 15954      | 24.847 ng/ml |
| EDDP                | 5.202 | 114357 | 8776.3   | 38.16  | 3016.9  | 202801     | 25.121 ng/ml |
| Etizolam            | 5.764 | 6274   | 21770.5  | 431.13 | 33383.4 | 63419      | 24.816 ng/ml |
| Fentanyl            | 5.031 | 8795   | 530.6    | 121.25 | 450.2   | 163560     | 2.416 ng/ml  |
| Flualprazolam       | 5.650 | 24408  | 22424.6  | 92.96  | 45830.7 | 73750      | 26.894 ng/ml |
| Fluorofentanyl      | 5.082 | 6719   | 2890.9   | 129.92 | 77.7    | 1797       | 2.110 ng/ml  |
| Fluoxetine          | 5.677 | 105086 | 115109.1 | 6.04   | 21019.1 | 121821     | 25.684 ng/ml |



# AM #28 Multi-Drug Quant. Results

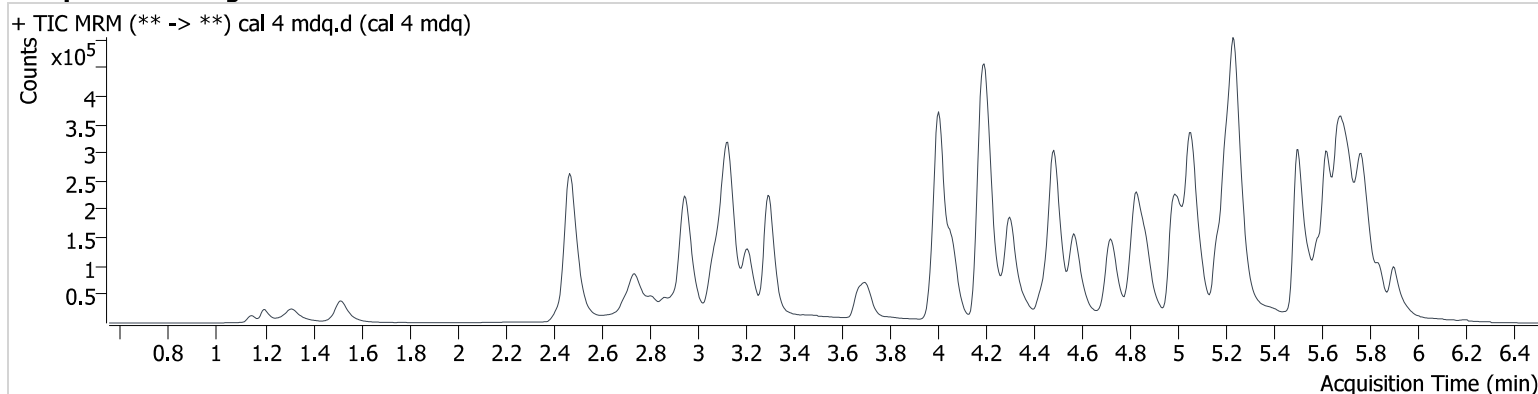
| Name                   | RT    | Resp.  | S/N      | Ratio  | S/N            | ISTD Resp. | Final Conc.  |
|------------------------|-------|--------|----------|--------|----------------|------------|--------------|
| Hydrocodone            | 2.941 | 35884  | 992.6    | 39.94  | 370.1          | 78009      | 26.346 ng/ml |
| Hydromorphone          | 1.527 | 25633  | 637.1    | 78.94  | 395.4          | 33901      | 23.148 ng/ml |
| Hydroxyzine            | 5.659 | 42115  | 841.1    | 115.81 | 14470.5        | 238060     | 25.051 ng/ml |
| Ketamine               | 3.994 | 66974  | 16014.3  | 35.57  | 783.5          | 117883     | 25.283 ng/ml |
| Lamotrigine            | 4.218 | 6664   | 595.9    | 99.49  | 14289.4        | 110987     | 26.981 ng/ml |
| Lorazepam              | 5.697 | 33529  | 2618.8   | 46.39  | 163.6          | 94439      | 27.919 ng/ml |
| MDA                    | 3.111 | 107996 | 7138.6   | 27.87  | 354.8          | 110987     | 26.192 ng/ml |
| MDMA                   | 3.213 | 63187  | ∞        | 108.85 | 11708.7        | 26027      | 24.395 ng/ml |
| Meprobamate            | 4.823 | 32625  | 15149.7  | 33.57  | 1096.7         | 38043      | 26.565 ng/ml |
| Methadone              | 5.619 | 131222 | 81814.3  | 61.40  | ∞              | 197436     | 23.875 ng/ml |
| Methamphetamine        | 3.137 | 240495 | 2182.6   | 37.27  | 547.2          | 249066     | 28.590 ng/ml |
| Metoprolol             | 4.268 | 16331  | ∞        | 96.74  | 12016.0        | 304131     | 24.340 ng/ml |
| Mirtazapine            | 4.569 | 136995 | 40974.4  | 49.00  | 29040.2        | 26027      | 24.372 ng/ml |
| Mitragynine            | 5.163 | 27684  | 78114.0  | 30.31  | 12764.0        | 304131     | 25.158 ng/ml |
| Morphine               | 1.151 | 3798   | 830.5    | 29.31  | 230.2          | 1457       | 24.526 ng/ml |
| Norbuprenorphine       | 4.932 | 667    | 583.9    | 91.87  | 1377.0         | 3373       | 2.664 ng/ml  |
| Nordiazepam            | 5.845 | 33866  | ∞        | 60.65  | 41397.5        | 43300      | 24.847 ng/ml |
| Norfentanyl            | 4.025 | 2247   | 128.1    | 276.47 | 135.0          | 226717     | 2.187 ng/ml  |
| Noroxycodone           | 2.813 | 27517  | 996.1    | 52.42  | 596.7          | 33733      | 25.942 ng/ml |
| O-desmethyl-tramadol   | 3.299 | 147245 | 12202.7  | 6.55   | ∞              | 240041     | 25.029 ng/ml |
| O-Desmethylvenlafaxine | 4.008 | 37944  | 287.8    | 264.52 | 5064.7         | 51607      | 24.791 ng/ml |
| Olanzapine             | 4.434 | 47167  | 131.3    | 40.94  | 6.8 <b>Low</b> | 39912      | 26.069 ng/ml |
| Oxazepam               | 5.699 | 53344  | 526.1    | 65.34  | 383.7          | 94439      | 24.390 ng/ml |
| Oxycodone              | 2.741 | 67038  | 5996.5   | 32.02  | 1211.9         | 89720      | 26.665 ng/ml |
| Phentermine            | 3.709 | 28320  | 742.9    | 12.14  | 430.4          | 134624     | 24.858 ng/ml |
| Promethazine           | 5.500 | 123817 | 109399.4 | 40.97  | 1411.8         | 238060     | 24.586 ng/ml |
| Pseudoephedrine        | 2.481 | 181821 | 5248.6   | 17.57  | 7593.8         | 304131     | 24.673 ng/ml |
| Quetiapine             | 5.492 | 63417  | 82788.3  | 56.59  | 28237.3        | 35006      | 26.535 ng/ml |
| Sertraline             | 5.745 | 32422  | 2080.3   | 105.29 | 2447.7         | 53481      | 23.864 ng/ml |
| Temazepam              | 5.761 | 101635 | 2424.0   | 27.98  | 666.1          | 175868     | 24.771 ng/ml |
| Tramadol               | 4.187 | 175901 | 36367.5  | 3.80   | 799.9          | 281973     | 25.437 ng/ml |
| Trazodone              | 5.056 | 84977  | 5092.9   | 81.69  | 3436.5         | 136925     | 25.124 ng/ml |
| Venlafaxine            | 4.981 | 114025 | 10899.2  | 48.08  | 761.7          | 234533     | 23.634 ng/ml |
| Zolpidem               | 4.831 | 150303 | 187131.5 | 25.62  | 77619.8        | 238582     | 24.935 ng/ml |

# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\am 27-28\111822\QuantResults\mdq.batch.bin  
**Calibration Last Update** 11/21/2022 1:39:24 PM

**Instrument** 69679 **Data File** cal 4 mdq.d  
**Type** Cal **Sample** cal 4 mdq  
**Acq. Method** mdqp1 1-21-21long.m **Operator** Anne Nord  
**Sample Position** P2-D1 **Comment**  
**Injection Volume** 1  
**Acq. Date-Time** 11/18/2022 12:01:49 PM  
**Sample Info.**

## Sample Chromatogram



| Name                | RT    | Resp.  | S/N      | Ratio  | S/N       | ISTD Resp. | Final Conc.  |
|---------------------|-------|--------|----------|--------|-----------|------------|--------------|
| 6-MAM               | 3.062 | 4141   | 8233.7   | 124.59 | 7355.8    | 18962      | 5.382 ng/ml  |
| 7-aminoclonazepam   | 4.185 | 47071  | 1623.0   | 125.22 | 1886.9    | 51415      | 53.063 ng/ml |
| a-hydroxyalprazolam | 5.639 | 12310  | ∞        | 72.11  | ∞         | 102500     | 47.125 ng/ml |
| alpha-PHP           | 4.869 | 65697  | 8827.8   | 249.69 | 18056.5   | 167611     | 50.612 ng/ml |
| alpha-PVP           | 4.306 | 239446 | 98478.6  | 54.63  | 8194.9    | 167611     | 50.732 ng/ml |
| Alprazolam          | 5.718 | 114964 | 1523.4   | 94.31  | 6367.5    | 80363      | 50.671 ng/ml |
| Amphetamine         | 2.954 | 164701 | 2782.0   | 269.75 | ∞         | 98636      | 53.368 ng/ml |
| Benzoylcegonine     | 3.797 | 4099   | 26338.2  | 46.25  | 69.1      | 2746       | 52.133 ng/ml |
| Buprenorphine       | 5.664 | 7592   | 6219.2   | 14.23  | ∞         | 20106      | 5.041 ng/ml  |
| Bupropion           | 4.725 | 216463 | 15586.4  | 74.20  | 4145.0    | 124299     | 50.452 ng/ml |
| Carisoprodol        | 5.674 | 100034 | 335185.7 | 65.08  | 758.0     | 54128      | 53.903 ng/ml |
| Chlordiazepoxide    | 5.787 | 54309  | 43971.1  | 36.44  | 242.3     | 132832     | 54.030 ng/ml |
| Chlorpheniramine    | 5.053 | 362627 | 24459.4  | 0.21   | 248.1     | 268781     | 50.604 ng/ml |
| Citalopram          | 5.165 | 170655 | 5643.2   | 38.85  | 1005329.3 | 130096     | 48.779 ng/ml |
| Clonazepam          | 5.551 | 72120  | 413463.6 | 34.86  | 25421.8   | 28492      | 49.347 ng/ml |
| Clonazolam          | 5.492 | 51833  | 244372.9 | 43.10  | 14019.7   | 28492      | 49.206 ng/ml |
| Cocaine             | 4.205 | 166393 | 24683.5  | 51.65  | 5258.0    | 268556     | 50.282 ng/ml |
| Codeine             | 2.488 | 21329  | 5247.9   | 95.40  | 105404.2  | 19229      | 52.206 ng/ml |
| Cyclobenzaprine     | 5.585 | 208137 | 994439.3 | 8.08   | 377.9     | 128030     | 49.396 ng/ml |
| Dextromethorphan    | 5.208 | 127218 | 379563.6 | 74.49  | ∞         | 122217     | 46.903 ng/ml |
| Dextrorphan         | 4.060 | 142494 | ∞        | 43.86  | ∞         | 131003     | 50.757 ng/ml |
| Diazepam            | 5.901 | 85570  | 3901.2   | 82.96  | 1889.6    | 70285      | 51.723 ng/ml |
| Dihydrocodeine      | 2.452 | 50325  | 1230.9   | 66.25  | 858.7     | 59111      | 54.682 ng/ml |
| Diphenhydramine     | 5.240 | 551151 | 26675.2  | 33.75  | 156222.7  | 506472     | 48.248 ng/ml |
| DMT                 | 2.744 | 44580  | 694.0    | 68.60  | 313.6     | 29631      | 52.329 ng/ml |
| Doxylamine          | 4.481 | 426954 | 18253.4  | 93.09  | 25487.9   | 275980     | 49.470 ng/ml |
| Duloxetine          | 5.615 | 32332  | 165.2    | 9.31   | 54.1      | 17144      | 51.389 ng/ml |
| EDDP                | 5.202 | 256925 | ∞        | 39.48  | 7461.3    | 228949     | 49.900 ng/ml |
| Etizolam            | 5.764 | 13298  | 19015.8  | 436.33 | 1992.2    | 70285      | 47.969 ng/ml |
| Fentanyl            | 5.031 | 20222  | 545.4    | 117.31 | 5452.7    | 183781     | 5.107 ng/ml  |
| Flualprazolam       | 5.650 | 49181  | 87310.1  | 104.14 | 1036.4    | 80363      | 50.363 ng/ml |
| Fluorofentanyl      | 5.087 | 16091  | 1593.8   | 123.58 | 131.4     | 1850       | 4.797 ng/ml  |
| Fluoxetine          | 5.677 | 229125 | 8680.8   | 6.12   | 131141.9  | 136922     | 50.143 ng/ml |

# AM #28 Multi-Drug Quant. Results

| Name                   | RT    | Resp.  | S/N      | Ratio  | S/N      | ISTD Resp. | Final Conc.  |
|------------------------|-------|--------|----------|--------|----------|------------|--------------|
| Hydrocodone            | 2.941 | 81310  | ∞        | 40.00  | 1241.5   | 88396      | 53.569 ng/ml |
| Hydromorphone          | 1.517 | 60616  | 598.3    | 80.33  | 3521.8   | 39647      | 47.031 ng/ml |
| Hydroxyzine            | 5.659 | 96225  | 2826.8   | 124.52 | 30060.9  | 277608     | 48.921 ng/ml |
| Ketamine               | 3.994 | 153494 | 12233.9  | 35.40  | 1580.9   | 130246     | 52.965 ng/ml |
| Lamotrigine            | 4.218 | 14359  | 40093.0  | 97.30  | 40449.8  | 125518     | 51.883 ng/ml |
| Lorazepam              | 5.692 | 66452  | ∞        | 49.61  | ∞        | 102500     | 51.477 ng/ml |
| MDA                    | 3.111 | 240365 | 10779.9  | 28.68  | 2056.5   | 125518     | 51.893 ng/ml |
| MDMA                   | 3.208 | 148057 | 35938.1  | 106.53 | 11019.1  | 29631      | 50.289 ng/ml |
| Meprobamate            | 4.823 | 72009  | 4897.6   | 32.90  | 2105.0   | 42109      | 53.409 ng/ml |
| Methadone              | 5.619 | 309335 | 144348.0 | 58.39  | 3593.2   | 223307     | 49.922 ng/ml |
| Methamphetamine        | 3.132 | 399919 | ∞        | 38.87  | 1852.8   | 285013     | 48.645 ng/ml |
| Metoprolol             | 4.268 | 36348  | 639679.3 | 98.89  | 27494.1  | 333220     | 49.531 ng/ml |
| Mirtazapine            | 4.569 | 312861 | 56330.6  | 48.99  | 20579.6  | 29631      | 48.525 ng/ml |
| Mitragynine            | 5.163 | 63606  | 34588.0  | 31.72  | 31572.3  | 333220     | 53.042 ng/ml |
| Morphine               | 1.146 | 8702   | 2028.5   | 29.72  | 468.7    | 1647       | 49.849 ng/ml |
| Norbuprenorphine       | 4.927 | 1302   | ∞        | 103.51 | 40306.2  | 4181       | 4.452 ng/ml  |
| Nordiazepam            | 5.840 | 78005  | ∞        | 56.36  | 17086.9  | 48965      | 50.598 ng/ml |
| Norfentanyl            | 4.025 | 5236   | 1361.3   | 240.83 | 504.9    | 251508     | 4.930 ng/ml  |
| Noroxycodone           | 2.813 | 60810  | 1516.0   | 53.07  | 1157.0   | 39813      | 48.679 ng/ml |
| O-desmethyl-tramadol   | 3.299 | 338629 | 45517.7  | 6.41   | 6007.2   | 277252     | 49.833 ng/ml |
| O-Desmethylvenlafaxine | 4.008 | 88866  | 669.0    | 253.08 | 9044.0   | 59674      | 50.570 ng/ml |
| Olanzapine             | 4.429 | 110977 | 546.1    | 39.44  | 692.2    | 46789      | 52.447 ng/ml |
| Oxazepam               | 5.699 | 116824 | 22728.5  | 65.60  | 586.4    | 102500     | 49.516 ng/ml |
| Oxycodone              | 2.736 | 156113 | 8709.1   | 31.77  | 3889.3   | 101095     | 55.706 ng/ml |
| Phentermine            | 3.709 | 65925  | 813.8    | 11.27  | 612.4    | 154634     | 51.781 ng/ml |
| Promethazine           | 5.500 | 289551 | 173223.1 | 38.40  | 3476.4   | 277608     | 49.025 ng/ml |
| Pseudoephedrine        | 2.476 | 409365 | 11171.6  | 17.32  | 6973.5   | 333220     | 50.647 ng/ml |
| Quetiapine             | 5.492 | 135133 | 44339.5  | 58.76  | 102601.3 | 38518      | 51.514 ng/ml |
| Sertraline             | 5.740 | 72047  | ∞        | 107.52 | 3269.0   | 58863      | 48.437 ng/ml |
| Temazepam              | 5.761 | 227276 | 6318.9   | 27.97  | 355.3    | 195018     | 50.291 ng/ml |
| Tramadol               | 4.187 | 397822 | ∞        | 3.25   | 205.7    | 328509     | 49.464 ng/ml |
| Trazodone              | 5.056 | 198511 | 7880.9   | 78.20  | 923.7    | 155304     | 51.854 ng/ml |
| Venlafaxine            | 4.981 | 259196 | 10152.6  | 50.01  | 2258.1   | 262205     | 47.789 ng/ml |
| Zolpidem               | 4.831 | 350325 | 24872.0  | 25.33  | 14724.2  | 267491     | 52.117 ng/ml |

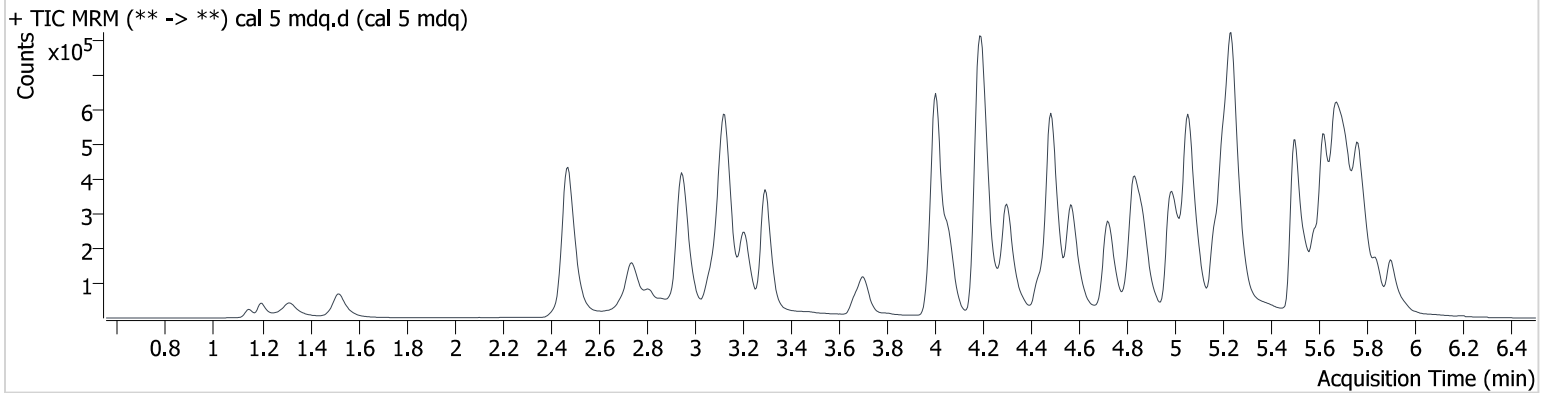
# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\am 27-28\111822\QuantResults\mdq.batch.bin  
**Calibration Last Update** 11/21/2022 1:39:24 PM

**Instrument** 69679  
**Type** Cal  
**Acq. Method** mdqp1 1-21-21long.m  
**Sample Position** P2-E1  
**Injection Volume** 1  
**Acq. Date-Time** 11/18/2022 12:10:48 PM  
**Sample Info.**

**Data File** cal 5 mdq.d  
**Sample** cal 5 mdq  
**Operator** Anne Nord  
**Comment**

## Sample Chromatogram



| Name                | RT    | Resp.   | S/N      | Ratio  | S/N      | ISTD Resp. | Final Conc.   |
|---------------------|-------|---------|----------|--------|----------|------------|---------------|
| 6-MAM               | 3.062 | 7918    | 30784.4  | 133.28 | 82633.5  | 20239      | 9.590 ng/ml   |
| 7-aminoclonazepam   | 4.185 | 108632  | 12281.2  | 121.33 | 13363.5  | 56296      | 112.436 ng/ml |
| a-hydroxyalprazolam | 5.639 | 26327   | 12259.2  | 63.14  | ∞        | 98330      | 105.486 ng/ml |
| alpha-PHP           | 4.869 | 138976  | 2678.8   | 248.54 | 17834.6  | 178356     | 100.477 ng/ml |
| alpha-PVP           | 4.306 | 499725  | 108019.7 | 55.52  | 10913.9  | 178356     | 99.295 ng/ml  |
| Alprazolam          | 5.718 | 233858  | 3202.7   | 96.33  | 3723.7   | 85987      | 95.925 ng/ml  |
| Amphetamine         | 2.949 | 338131  | 8996.1   | 264.73 | 9318.7   | 103226     | 106.372 ng/ml |
| Benzoylcegonine     | 3.797 | 8198    | 1191.7   | 45.09  | 260.6    | 2941       | 96.898 ng/ml  |
| Buprenorphine       | 5.664 | 13758   | 3112.5   | 14.45  | 1364.6   | 19838      | 9.557 ng/ml   |
| Bupropion           | 4.725 | 449901  | 106583.5 | 75.33  | 9097.2   | 131155     | 99.687 ng/ml  |
| Carisoprodol        | 5.674 | 186898  | ∞        | 67.57  | 18692.1  | 55355      | 98.622 ng/ml  |
| Chlordiazepoxide    | 5.787 | 108151  | 41376.1  | 37.99  | 73.4     | 134934     | 106.761 ng/ml |
| Chlorpheniramine    | 5.053 | 769765  | 17461.4  | 0.26   | 1545.6   | 286980     | 99.891 ng/ml  |
| Citalopram          | 5.165 | 355561  | 12869.0  | 38.16  | 383608.0 | 128682     | 102.684 ng/ml |
| Clonazepam          | 5.551 | 151378  | ∞        | 36.99  | 137770.5 | 29344      | 100.529 ng/ml |
| Clonazolam          | 5.492 | 109879  | 15822.9  | 43.91  | 24441.0  | 29344      | 101.722 ng/ml |
| Cocaine             | 4.205 | 346175  | 15276.0  | 51.14  | ∞        | 279046     | 100.790 ng/ml |
| Codeine             | 2.488 | 43535   | 15266.2  | 95.80  | 4294.5   | 20225      | 101.930 ng/ml |
| Cyclobenzaprine     | 5.585 | 438140  | 97223.9  | 8.13   | ∞        | 127649     | 104.040 ng/ml |
| Dextromethorphan    | 5.208 | 269472  | 829205.4 | 72.28  | ∞        | 123658     | 96.975 ng/ml  |
| Dextrorphan         | 4.060 | 290609  | 653081.5 | 45.02  | 639945.0 | 133418     | 101.635 ng/ml |
| Diazepam            | 5.901 | 172388  | 4537.3   | 87.02  | 20039.5  | 72796      | 100.683 ng/ml |
| Dihydrocodeine      | 2.452 | 103034  | 2332.3   | 67.38  | 3988.8   | 62065      | 107.083 ng/ml |
| Diphenhydramine     | 5.240 | 1151336 | ∞        | 33.33  | 22307.5  | 518940     | 98.283 ng/ml  |
| DMT                 | 2.744 | 93514   | 4448.0   | 68.55  | 531.5    | 32082      | 102.100 ng/ml |
| Doxylamine          | 4.481 | 923403  | 87449.5  | 93.22  | ∞        | 287353     | 102.862 ng/ml |
| Duloxetine          | 5.610 | 64078   | 1622.6   | 10.06  | 339.2    | 18187      | 95.278 ng/ml  |
| EDDP                | 5.202 | 491620  | 11553.5  | 38.68  | ∞        | 217766     | 100.291 ng/ml |
| Etizolam            | 5.764 | 30706   | 66762.7  | 398.37 | ∞        | 72796      | 107.633 ng/ml |
| Fentanyl            | 5.031 | 41171   | 1808.7   | 122.82 | 7589.8   | 194346     | 9.976 ng/ml   |
| Flualprazolam       | 5.650 | 106888  | 2314.6   | 92.58  | 52695.9  | 85987      | 103.069 ng/ml |
| Fluorofentanyl      | 5.087 | 33818   | 30366.1  | 124.04 | 462.5    | 1839       | 10.049 ng/ml  |
| Fluoxetine          | 5.677 | 435767  | ∞        | 6.26   | ∞        | 131625     | 99.534 ng/ml  |

# AM #28 Multi-Drug Quant. Results

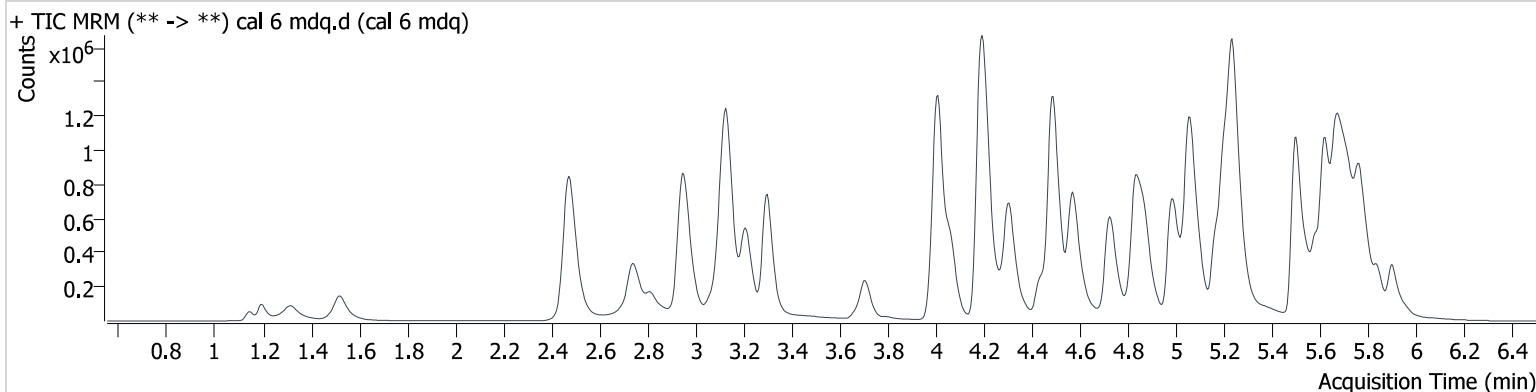
| Name                   | RT    | Resp.  | S/N       | Ratio  | S/N                 | ISTD Resp. | Final Conc.   |
|------------------------|-------|--------|-----------|--------|---------------------|------------|---------------|
| Hydrocodone            | 2.941 | 165127 | 2910.1    | 41.06  | 3072.7              | 94126      | 102.970 ng/ml |
| Hydromorphone          | 1.522 | 131638 | 6930.0    | 77.85  | 5423.0              | 38559      | 105.291 ng/ml |
| Hydroxyzine            | 5.659 | 202861 | 1108.7    | 119.12 | 81697.6             | 277828     | 102.867 ng/ml |
| Ketamine               | 3.989 | 307404 | 50392.8   | 36.72  | 4310.7              | 136408     | 101.725 ng/ml |
| Lamotrigine            | 4.213 | 29089  | 2235.9    | 99.37  | ∞                   | 127912     | 103.654 ng/ml |
| Lorazepam              | 5.692 | 130539 | ∞         | 48.10  | 5350455934<br>389.4 | 98330      | 106.039 ng/ml |
| MDA                    | 3.111 | 487450 | 20476.7   | 28.35  | 2760.0              | 127912     | 103.622 ng/ml |
| MDMA                   | 3.208 | 305015 | 3794867.2 | 107.56 | 22992.2             | 32082      | 95.755 ng/ml  |
| Meprobamate            | 4.823 | 147643 | 15622.4   | 33.39  | 3208.9              | 44706      | 103.552 ng/ml |
| Methadone              | 5.619 | 649295 | 858478.9  | 58.34  | 13683.9             | 231298     | 101.319 ng/ml |
| Methamphetamine        | 3.132 | 764595 | ∞         | 38.12  | ∞                   | 299504     | 101.339 ng/ml |
| Metoprolol             | 4.268 | 77400  | 132287.3  | 98.11  | ∞                   | 352507     | 99.787 ng/ml  |
| Mirtazapine            | 4.569 | 657252 | 97389.5   | 49.63  | 25522.6             | 32082      | 93.812 ng/ml  |
| Mitragynine            | 5.163 | 128599 | 4502.9    | 30.66  | 22733.2             | 352507     | 101.612 ng/ml |
| Morphine               | 1.146 | 18187  | 2937.8    | 28.23  | 563.7               | 1721       | 99.866 ng/ml  |
| Norbuprenorphine       | 4.937 | 2729   | 3396.9    | 99.09  | 3313.4              | 4341       | 9.434 ng/ml   |
| Nordiazepam            | 5.840 | 160284 | ∞         | 57.12  | 2047.4              | 50035      | 101.732 ng/ml |
| Norfentanyl            | 4.025 | 9423   | 1410.4    | 267.98 | 994.8               | 249105     | 9.208 ng/ml   |
| Noroxycodone           | 2.813 | 126564 | 5287.1    | 52.55  | 1328.7              | 40089      | 100.749 ng/ml |
| O-desmethyl-tramadol   | 3.294 | 712926 | 107485.0  | 6.48   | 3594.9              | 288446     | 100.840 ng/ml |
| O-Desmethylvenlafaxine | 4.008 | 184053 | 1783.9    | 254.74 | 13346.2             | 61678      | 101.684 ng/ml |
| Olanzapine             | 4.429 | 224466 | 124.1     | 41.26  | 531.0               | 48692      | 102.053 ng/ml |
| Oxazepam               | 5.699 | 237486 | 3184149.8 | 65.55  | 2210.0              | 98330      | 105.261 ng/ml |
| Oxycodone              | 2.736 | 300640 | 20555.0   | 32.68  | 6318.6              | 107325     | 101.507 ng/ml |
| Phentermine            | 3.709 | 143098 | 1328.3    | 11.01  | 1068.8              | 163593     | 107.679 ng/ml |
| Promethazine           | 5.500 | 569824 | 151846.7  | 38.98  | 34032.1             | 277828     | 96.134 ng/ml  |
| Pseudoephedrine        | 2.476 | 847611 | 15118.0   | 17.77  | 16359.5             | 352507     | 99.080 ng/ml  |
| Quetiapine             | 5.492 | 277693 | 16559.6   | 65.69  | ∞                   | 38716      | 105.458 ng/ml |
| Sertraline             | 5.740 | 141514 | ∞         | 104.22 | 3573.5              | 55605      | 100.986 ng/ml |
| Temazepam              | 5.761 | 473630 | 680851.9  | 27.76  | 1253.8              | 201710     | 101.663 ng/ml |
| Tramadol               | 4.182 | 837947 | ∞         | 3.33   | 1068.3              | 343506     | 99.728 ng/ml  |
| Trazodone              | 5.056 | 414959 | 13922.7   | 81.47  | 46836.3             | 162162     | 103.912 ng/ml |
| Venlafaxine            | 4.981 | 554538 | 99214.2   | 48.83  | 9372.1              | 273362     | 97.799 ng/ml  |
| Zolpidem               | 4.831 | 738046 | 351298.7  | 25.26  | 502699.2            | 287380     | 102.447 ng/ml |

# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\am 27-28\111822\QuantResults\mdq.batch.bin  
**Calibration Last Update** 11/21/2022 1:39:24 PM

**Instrument** 69679 **Data File** cal 6 mdq.d  
**Type** Cal **Sample** cal 6 mdq  
**Acq. Method** mdqp1 1-21-21long.m **Operator** Anne Nord  
**Sample Position** P2-F1 **Comment**  
**Injection Volume** 1  
**Acq. Date-Time** 11/18/2022 12:19:48 PM  
**Sample Info.**

## Sample Chromatogram



| Name                | RT    | Resp.   | S/N       | Ratio  | S/N       | ISTD Resp. | Final Conc.   |
|---------------------|-------|---------|-----------|--------|-----------|------------|---------------|
| 6-MAM               | 3.067 | 19735   | 43483.8   | 130.73 | 841221.9  | 19242      | 25.033 ng/ml  |
| 7-aminoclonazepam   | 4.191 | 217365  | 10328.5   | 122.53 | 7786.3    | 47375      | 268.079 ng/ml |
| a-hydroxyalprazolam | 5.639 | 50037   | ∞         | 67.48  | 963.7     | 79279      | 249.134 ng/ml |
| alpha-PHP           | 4.874 | 331985  | 16535.8   | 243.36 | 61568.1   | 170481     | 250.896 ng/ml |
| alpha-PVP           | 4.306 | 1199957 | 95528.0   | 54.62  | 25476.6   | 170481     | 249.122 ng/ml |
| Alprazolam          | 5.718 | 517904  | 6380.8    | 97.35  | ∞         | 72841      | 250.043 ng/ml |
| Amphetamine         | 2.954 | 753116  | 20401.1   | 259.94 | 44554.1   | 102591     | 240.557 ng/ml |
| Benzoylcegonine     | 3.797 | 20677   | 1666.9    | 46.43  | 183.7     | 2856       | 250.800 ng/ml |
| Buprenorphine       | 5.664 | 34071   | 2285.6    | 13.33  | 528.1     | 18794      | 25.561 ng/ml  |
| Bupropion           | 4.725 | 1089603 | 179319.6  | 72.68  | 28452.8   | 124247     | 255.347 ng/ml |
| Carisoprodol        | 5.674 | 378441  | 1094914.0 | 66.26  | 2526.1    | 44093      | 250.977 ng/ml |
| Chlordiazepoxide    | 5.787 | 234590  | 9006.1    | 37.06  | 948.4     | 119379     | 263.021 ng/ml |
| Chlorpheniramine    | 5.053 | 1880260 | 241255.6  | 0.26   | 2896.9    | 266862     | 261.213 ng/ml |
| Citalopram          | 5.170 | 803609  | 30645.4   | 39.29  | 1902089.3 | 122004     | 244.700 ng/ml |
| Clonazepam          | 5.556 | 338538  | 872362.0  | 37.01  | 116272.5  | 25573      | 257.906 ng/ml |
| Clonazolam          | 5.497 | 249545  | 108574.6  | 41.69  | 18364.9   | 25573      | 265.752 ng/ml |
| Cocaine             | 4.210 | 807477  | 2196410.7 | 50.79  | 41578.2   | 264792     | 247.918 ng/ml |
| Codeine             | 2.488 | 98705   | 9261.2    | 95.30  | 168158.4  | 18375      | 255.352 ng/ml |
| Cyclobenzaprine     | 5.585 | 1007424 | 442678.9  | 8.22   | 2670.4    | 123151     | 247.646 ng/ml |
| Dextromethorphan    | 5.208 | 616519  | 5998612.1 | 75.12  | 109151.7  | 111147     | 245.121 ng/ml |
| Dextrorphan         | 4.065 | 686829  | 101999.8  | 44.80  | 498338.3  | 131456     | 243.781 ng/ml |
| Diazepam            | 5.901 | 400885  | 8394.2    | 85.94  | 17669.3   | 67512      | 252.583 ng/ml |
| Dihydrocodeine      | 2.452 | 236606  | 477.4     | 68.07  | 1367.4    | 60086      | 254.666 ng/ml |
| Diphenhydramine     | 5.240 | 2733124 | 1550961.3 | 33.17  | 311754.4  | 483930     | 250.064 ng/ml |
| DMT                 | 2.744 | 207098  | 263.7     | 72.45  | 7958.2    | 27956      | 260.670 ng/ml |
| Doxylamine          | 4.487 | 2209874 | ∞         | 93.59  | ∞         | 277909     | 254.675 ng/ml |
| Duloxetine          | 5.615 | 142457  | 454.6     | 10.60  | 10060.1   | 14794      | 258.938 ng/ml |
| EDDP                | 5.202 | 1201355 | ∞         | 40.34  | 40564.8   | 211606     | 252.070 ng/ml |
| Etizolam            | 5.764 | 68208   | ∞         | 406.61 | ∞         | 67512      | 258.582 ng/ml |
| Fentanyl            | 5.031 | 98383   | 15029.1   | 120.71 | 7637.5    | 185910     | 25.154 ng/ml  |
| Flualprazolam       | 5.650 | 225167  | ∞         | 94.27  | 11663.2   | 72841      | 257.416 ng/ml |
| Fluorofentanyl      | 5.087 | 79991   | 50896.3   | 124.64 | 115.7     | 1765       | 24.655 ng/ml  |
| Fluoxetine          | 5.677 | 945057  | 507984.1  | 6.58   | 86859.4   | 112035     | 254.131 ng/ml |

# AM #28 Multi-Drug Quant. Results

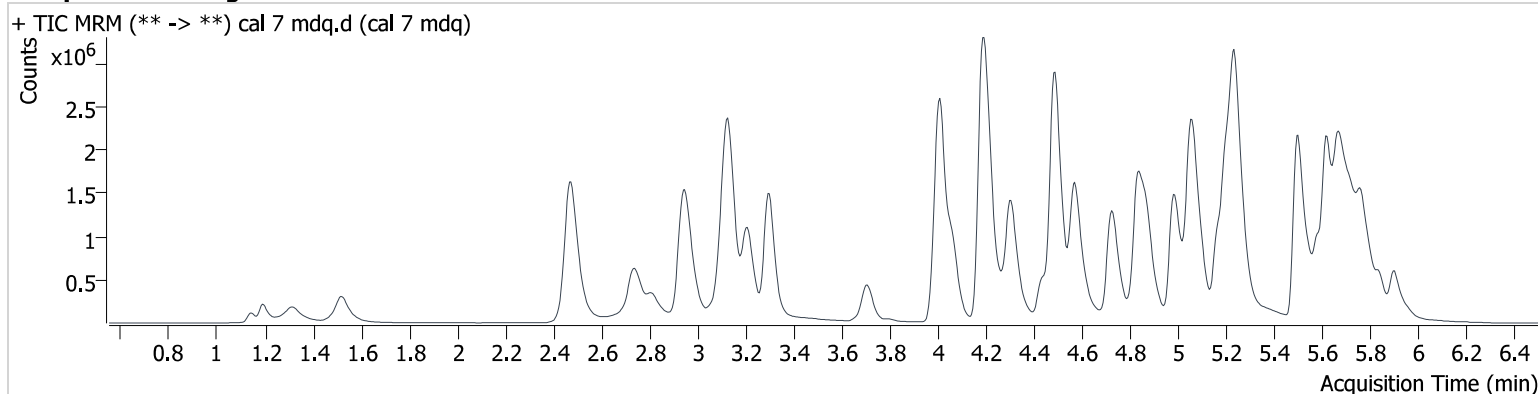
| Name                   | RT    | Resp.   | S/N       | Ratio  | S/N      | ISTD Resp. | Final Conc.   |
|------------------------|-------|---------|-----------|--------|----------|------------|---------------|
| Hydrocodone            | 2.936 | 366556  | 20323.2   | 41.07  | 31602.1  | 86910      | 248.798 ng/ml |
| Hydromorphone          | 1.522 | 313859  | 4716.7    | 78.09  | 2704.1   | 38986      | 248.590 ng/ml |
| Hydroxyzine            | 5.659 | 482320  | 2499.9    | 115.57 | 18403.6  | 264671     | 256.482 ng/ml |
| Ketamine               | 3.994 | 735385  | 102210.2  | 35.93  | ∞        | 130562     | 254.973 ng/ml |
| Lamotrigine            | 4.218 | 65632   | 15935.3   | 92.41  | ∞        | 117698     | 254.931 ng/ml |
| Lorazepam              | 5.692 | 254127  | 3483.0    | 48.14  | 2600.1   | 79279      | 256.888 ng/ml |
| MDA                    | 3.111 | 1067844 | 33544.1   | 28.96  | 23506.1  | 117698     | 247.195 ng/ml |
| MDMA                   | 3.213 | 728970  | 64763.3   | 106.08 | 30276.2  | 27956      | 262.763 ng/ml |
| Meprobamate            | 4.829 | 316294  | 7840.2    | 33.25  | 8855.9   | 41264      | 240.919 ng/ml |
| Methadone              | 5.619 | 1528870 | 1238602.7 | 58.00  | 9489.3   | 219170     | 251.995 ng/ml |
| Methamphetamine        | 3.132 | 1707016 | ∞         | 38.10  | 12481.7  | 290225     | 253.908 ng/ml |
| Metoprolol             | 4.273 | 185771  | ∞         | 96.31  | ∞        | 328693     | 256.988 ng/ml |
| Mirtazapine            | 4.569 | 1581457 | 547619.9  | 49.98  | 150372.8 | 27956      | 258.411 ng/ml |
| Mitragynine            | 5.168 | 296256  | 772542.5  | 31.85  | 233473.6 | 328693     | 251.430 ng/ml |
| Morphine               | 1.146 | 43386   | 8024.7    | 28.54  | 1232.5   | 1632       | 251.383 ng/ml |
| Norbuprenorphine       | 4.932 | 6808    | 7991.0    | 94.84  | 6827.1   | 4290       | 24.489 ng/ml  |
| Nordiazepam            | 5.840 | 352950  | ∞         | 58.14  | 4719.7   | 45533      | 246.150 ng/ml |
| Norfentanyl            | 4.025 | 22312   | 10629.6   | 263.52 | 2426.4   | 222314     | 24.937 ng/ml  |
| Noroxycodone           | 2.813 | 293552  | ∞         | 51.88  | 2344.3   | 37180      | 252.141 ng/ml |
| O-desmethyl-tramadol   | 3.299 | 1725318 | 351756.3  | 6.46   | 25249.6  | 276532     | 254.547 ng/ml |
| O-Desmethylvenlafaxine | 4.008 | 445553  | 3674.0    | 252.42 | 20139.2  | 59597      | 255.278 ng/ml |
| Olanzapine             | 4.434 | 532126  | 13062.0   | 42.55  | 8540.8   | 45430      | 259.491 ng/ml |
| Oxazepam               | 5.699 | 458175  | ∞         | 67.72  | ∞        | 79279      | 252.293 ng/ml |
| Oxycodone              | 2.736 | 735869  | 243820.3  | 31.51  | 25584.1  | 101478     | 263.663 ng/ml |
| Phentermine            | 3.709 | 339194  | 4401.8    | 10.67  | 2016.8   | 156482     | 268.856 ng/ml |
| Promethazine           | 5.500 | 1391668 | 318542.0  | 39.50  | 602113.0 | 264671     | 246.022 ng/ml |
| Pseudoephedrine        | 2.476 | 1986879 | 42862.1   | 17.48  | 30636.3  | 328693     | 249.001 ng/ml |
| Quetiapine             | 5.492 | 654954  | 16673.5   | 61.26  | ∞        | 37806      | 254.909 ng/ml |
| Sertraline             | 5.740 | 318563  | 725817.2  | 102.09 | 19331.5  | 50924      | 248.595 ng/ml |
| Temazepam              | 5.766 | 996475  | 293454.8  | 28.34  | 2845.3   | 171325     | 252.315 ng/ml |
| Tramadol               | 4.187 | 1977548 | ∞         | 3.29   | 1529.7   | 311867     | 259.377 ng/ml |
| Trazodone              | 5.056 | 976714  | 183145.3  | 80.67  | 40489.4  | 154922     | 256.164 ng/ml |
| Venlafaxine            | 4.981 | 1388710 | 869223.3  | 45.78  | 8067.5   | 267063     | 250.289 ng/ml |
| Zolpidem               | 4.836 | 1747252 | 1694245.1 | 26.31  | 189409.9 | 276198     | 252.731 ng/ml |

# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\am 27-28\111822\QuantResults\mdq.batch.bin  
**Calibration Last Update** 11/21/2022 1:39:24 PM

**Instrument** 69679 **Data File** cal 7 mdq.d  
**Type** Cal **Sample** cal 7 mdq  
**Acq. Method** mdqp1 1-21-21long.m **Operator** Anne Nord  
**Sample Position** P2-G1 **Comment**  
**Injection Volume** 1  
**Acq. Date-Time** 11/18/2022 12:28:47 PM  
**Sample Info.**

## Sample Chromatogram



| Name                | RT    | Resp.   | S/N       | Ratio  | S/N      | ISTD Resp. | Final Conc.   |
|---------------------|-------|---------|-----------|--------|----------|------------|---------------|
| 6-MAM               | 3.062 | 42286   | 75608.7   | 134.19 | 107817.3 | 21475      | 47.997 ng/ml  |
| 7-aminoclonazepam   | 4.185 | 458522  | 58771.6   | 116.05 | 30796.6  | 55163      | 486.101 ng/ml |
| a-hydroxyalprazolam | 5.634 | 77989   | 2796.3    | 66.00  | 3199.1   | 59392      | 518.691 ng/ml |
| alpha-PHP           | 4.874 | 727016  | 132967.1  | 242.50 | 56988.3  | 179450     | 521.829 ng/ml |
| alpha-PVP           | 4.306 | 2600221 | 997734.8  | 54.16  | 76047.5  | 179450     | 512.624 ng/ml |
| Alprazolam          | 5.718 | 988092  | ∞         | 95.37  | 4794.9   | 67075      | 517.569 ng/ml |
| Amphetamine         | 2.949 | 1471671 | 22473.1   | 253.98 | 106464.2 | 118043     | 409.759 ng/ml |
| Benzoylcegonine     | 3.797 | 47078   | 5974.3    | 45.71  | 1379.4   | 3426       | 475.557 ng/ml |
| Buprenorphine       | 5.669 | 64011   | 1343.3    | 16.17  | 7752.0   | 18510      | 49.085 ng/ml  |
| Bupropion           | 4.725 | 2398685 | 28569.7   | 72.51  | 43994.0  | 142449     | 490.593 ng/ml |
| Carisoprodol        | 5.674 | 581609  | 2786281.4 | 65.49  | 13235.7  | 34791      | 489.006 ng/ml |
| Chlordiazepoxide    | 5.792 | 392647  | 2093.9    | 43.28  | 1014.2   | 115250     | 456.652 ng/ml |
| Chlorpheniramine    | 5.053 | 4071006 | 93293.9   | 0.26   | ∞        | 306340     | 492.035 ng/ml |
| Citalopram          | 5.165 | 1638941 | 22306.0   | 39.46  | ∞        | 125574     | 484.817 ng/ml |
| Clonazepam          | 5.551 | 629878  | 341187.5  | 36.22  | ∞        | 24323      | 504.479 ng/ml |
| Clonazolam          | 5.492 | 455145  | 921738.6  | 40.97  | 20642.2  | 24323      | 509.999 ng/ml |
| Cocaine             | 4.210 | 1673813 | ∞         | 50.74  | 168238.4 | 269428     | 505.182 ng/ml |
| Codeine             | 2.488 | 187682  | 5081.2    | 97.84  | ∞        | 18622      | 479.696 ng/ml |
| Cyclobenzaprine     | 5.585 | 2110557 | 293579.0  | 8.28   | ∞        | 126639     | 504.294 ng/ml |
| Dextromethorphan    | 5.208 | 1220771 | 55078.7   | 76.07  | 329930.0 | 111134     | 484.330 ng/ml |
| Dextrorphan         | 4.065 | 1512649 | 221273.9  | 44.55  | 229502.8 | 141753     | 497.887 ng/ml |
| Diazepam            | 5.901 | 823409  | ∞         | 85.25  | 8107.2   | 69643      | 503.006 ng/ml |
| Dihydrocodeine      | 2.447 | 513473  | 1688.9    | 65.72  | 498.9    | 69692      | 476.907 ng/ml |
| Diphenhydramine     | 5.240 | 5793547 | 2259199.9 | 32.20  | 66616.5  | 505248     | 507.624 ng/ml |
| DMT                 | 2.744 | 420439  | 1170.1    | 77.38  | 6706.7   | 30595      | 484.198 ng/ml |
| Doxylamine          | 4.487 | 5050006 | 112599.0  | 92.52  | 142223.0 | 329814     | 490.483 ng/ml |
| Duloxetine          | 5.615 | 272141  | 1062.1    | 10.71  | 838.1    | 14214      | 513.997 ng/ml |
| EDDP                | 5.202 | 2541987 | 116803.0  | 42.35  | ∞        | 226788     | 497.567 ng/ml |
| Etizolam            | 5.764 | 137071  | 258326.4  | 385.72 | ∞        | 69643      | 504.275 ng/ml |
| Fentanyl            | 5.031 | 203635  | 2018.0    | 124.83 | 30616.4  | 193283     | 50.233 ng/ml  |
| Flualprazolam       | 5.650 | 390246  | 8616.1    | 92.56  | 3575.6   | 67075      | 485.145 ng/ml |
| Fluorofentanyl      | 5.087 | 179549  | 1919.8    | 120.25 | 2807.7   | 1954       | 49.894 ng/ml  |
| Fluoxetine          | 5.677 | 1798450 | 4401065.5 | 6.80   | 133849.2 | 109935     | 493.169 ng/ml |



# AM #28 Multi-Drug Quant. Results

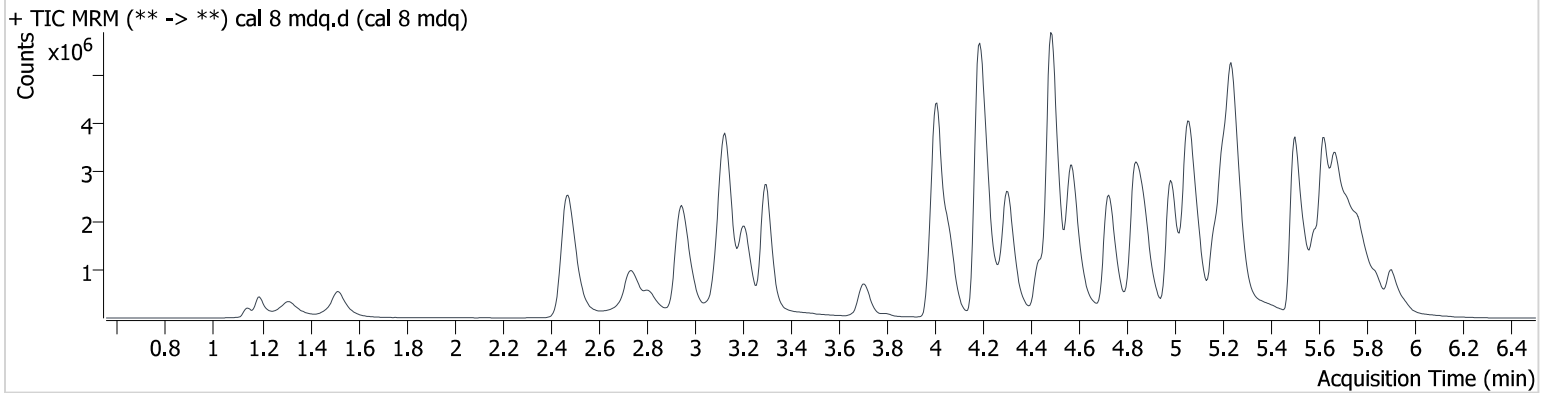
| Name                   | RT    | Resp.   | S/N       | Ratio  | S/N       | ISTD Resp. | Final Conc.   |
|------------------------|-------|---------|-----------|--------|-----------|------------|---------------|
| Hydrocodone            | 2.936 | 749044  | 22667.7   | 40.60  | 3944.2    | 91576      | 483.335 ng/ml |
| Hydromorphone          | 1.522 | 701578  | 4559.1    | 77.70  | 4454.5    | 41281      | 525.033 ng/ml |
| Hydroxyzine            | 5.659 | 1046857 | 96935.4   | 118.46 | 1558796.9 | 289397     | 508.956 ng/ml |
| Ketamine               | 3.989 | 1481723 | 168943.7  | 35.98  | 7497.7    | 134343     | 499.753 ng/ml |
| Lamotrigine            | 4.223 | 126655  | ∞         | 92.73  | 23777.2   | 120544     | 480.805 ng/ml |
| Lorazepam              | 5.692 | 313630  | 48375.7   | 53.07  | 2345.4    | 59392      | 423.579 ng/ml |
| MDA                    | 3.106 | 1980468 | 136861.1  | 27.54  | 19891.0   | 120544     | 447.925 ng/ml |
| MDMA                   | 3.208 | 1551990 | 116065.4  | 105.98 | 438196.6  | 30595      | 511.238 ng/ml |
| Meprobamate            | 4.823 | 571202  | 47730.7   | 32.43  | 3844.0    | 41289      | 435.169 ng/ml |
| Methadone              | 5.619 | 3402090 | 171492.2  | 54.42  | 352411.9  | 244760     | 502.270 ng/ml |
| Methamphetamine        | 3.132 | 3556309 | ∞         | 39.00  | ∞         | 325937     | 484.415 ng/ml |
| Metoprolol             | 4.273 | 385793  | 2555154.8 | 98.22  | ∞         | 348006     | 504.152 ng/ml |
| Mirtazapine            | 4.569 | 3432117 | 259798.1  | 49.97  | 184634.3  | 30595      | 512.075 ng/ml |
| Mitragynine            | 5.163 | 628697  | 300515.0  | 32.84  | ∞         | 348006     | 504.220 ng/ml |
| Morphine               | 1.146 | 99145   | 57669.7   | 27.17  | 5912.6    | 1782       | 526.203 ng/ml |
| Norbuprenorphine       | 4.937 | 14950   | 36313.3   | 92.48  | 25770.5   | 4247       | 54.871 ng/ml  |
| Nordiazepam            | 5.840 | 679085  | ∞         | 58.14  | 4004.1    | 43084      | 500.508 ng/ml |
| Norfentanyl            | 4.025 | 45638   | 7070.2    | 259.70 | 5932.3    | 211359     | 54.004 ng/ml  |
| Noroxycodone           | 2.813 | 639430  | 8170.5    | 51.40  | 9361.4    | 42475      | 480.877 ng/ml |
| O-desmethyl-tramadol   | 3.299 | 3843922 | 760474.6  | 6.32   | 76780.8   | 315506     | 497.060 ng/ml |
| O-Desmethylvenlafaxine | 4.008 | 958768  | 13541.5   | 248.95 | 95663.6   | 65113      | 503.121 ng/ml |
| Olanzapine             | 4.434 | 1070091 | 2236.2    | 44.77  | 2275.6    | 49656      | 477.526 ng/ml |
| Oxazepam               | 5.699 | 691447  | ∞         | 68.32  | 1030619.2 | 59392      | 508.529 ng/ml |
| Oxycodone              | 2.731 | 1470680 | ∞         | 33.65  | ∞         | 115291     | 464.242 ng/ml |
| Phentermine            | 3.709 | 688833  | 7659.3    | 10.02  | 6220.0    | 175038     | 489.223 ng/ml |
| Promethazine           | 5.500 | 3181352 | 411261.4  | 38.47  | 152767.5  | 289397     | 514.051 ng/ml |
| Pseudoephedrine        | 2.476 | 4228522 | ∞         | 17.21  | 1489887.0 | 348006     | 500.467 ng/ml |
| Quetiapine             | 5.492 | 1399689 | 9465504.3 | 59.72  | ∞         | 41731      | 493.650 ng/ml |
| Sertraline             | 5.740 | 670058  | ∞         | 101.15 | ∞         | 50090      | 531.881 ng/ml |
| Temazepam              | 5.761 | 1729190 | 266737.4  | 29.33  | 14317.4   | 148433     | 505.705 ng/ml |
| Tramadol               | 4.187 | 4160807 | ∞         | 3.30   | ∞         | 342997     | 496.286 ng/ml |
| Trazodone              | 5.056 | 1983554 | 15028.7   | 82.58  | 48362.5   | 168340     | 478.852 ng/ml |
| Venlafaxine            | 4.981 | 3136278 | 291239.6  | 45.69  | 8986.1    | 289963     | 520.339 ng/ml |
| Zolpidem               | 4.838 | 3734875 | 103364.9  | 26.66  | 58492.9   | 298038     | 500.898 ng/ml |

# AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2022\am 27-28\111822\QuantResults\mdq.batch.bin  
**Calibration Last Update** 11/21/2022 1:39:24 PM

**Instrument** 69679 **Data File** cal 8 mdq.d  
**Type** Cal **Sample** cal 8 mdq  
**Acq. Method** mdqp1 1-21-21long.m **Operator** Anne Nord  
**Sample Position** P2-H1 **Comment**  
**Injection Volume** 1  
**Acq. Date-Time** 11/18/2022 12:46:42 PM  
**Sample Info.**

## Sample Chromatogram



| Name                | RT    | Resp.    | S/N       | Ratio  | S/N       | ISTD Resp. | Final Conc.    |
|---------------------|-------|----------|-----------|--------|-----------|------------|----------------|
| 6-MAM               | 3.062 | 90703    | 60285.6   | 131.59 | ∞         | 22632      | 97.621 ng/ml   |
| 7-aminoclonazepam   | 4.180 | 574805   | 88015.5   | 116.01 | ∞         | 41055      | 819.145 ng/ml  |
| a-hydroxyalprazolam | 5.634 | 89135    | ∞         | 65.45  | 2198.8    | 32043      | 1099.198 ng/ml |
| alpha-PHP           | 4.874 | 1350067  | 62183.4   | 245.69 | 51293.7   | 180649     | 962.486 ng/ml  |
| alpha-PVP           | 4.306 | 5129363  | 835576.8  | 53.68  | 390788.9  | 180649     | 1004.321 ng/ml |
| Alprazolam          | 5.718 | 1574132  | 7916.7    | 98.32  | ∞         | 52132      | 1060.413 ng/ml |
| Amphetamine         | 2.949 | 2313944  | 44674.5   | 252.06 | 181503.5  | 118211     | 644.351 ng/ml  |
| Benzoylcegonine     | 3.797 | 101072   | 22320.0   | 43.68  | 1810.7    | 3340       | 1046.665 ng/ml |
| Buprenorphine       | 5.669 | 106555   | 11831.4   | 16.17  | 8256.9    | 15076      | 100.694 ng/ml  |
| Bupropion           | 4.725 | 4926954  | 306593.4  | 69.83  | 118691.8  | 147264     | 975.056 ng/ml  |
| Carisoprodol        | 5.674 | 715325   | 938984.6  | 65.34  | 6896.4    | 22368      | 935.640 ng/ml  |
| Chlordiazepoxide    | 5.792 | 551842   | 176767.3  | 43.15  | 15784.5   | 87050      | 850.462 ng/ml  |
| Chlorpheniramine    | 5.053 | 7986701  | 218185.2  | 0.26   | 2503.2    | 305024     | 968.759 ng/ml  |
| Citalopram          | 5.165 | 2732380  | 223075.9  | 39.13  | ∞         | 99873      | 1016.199 ng/ml |
| Clonazepam          | 5.551 | 934129   | ∞         | 36.52  | 1221761.3 | 18250      | 997.060 ng/ml  |
| Clonazolam          | 5.497 | 652679   | 98040.7   | 39.85  | 2421.3    | 18250      | 975.064 ng/ml  |
| Cocaine             | 4.210 | 3113705  | 347800.2  | 50.11  | 198892.9  | 248572     | 1018.727 ng/ml |
| Codeine             | 2.493 | 301557   | 9818.0    | 98.92  | 11158.1   | 14949      | 960.781 ng/ml  |
| Cyclobenzaprine     | 5.585 | 3654411  | 2657201.6 | 7.90   | 1777.5    | 110496     | 1000.521 ng/ml |
| Dextromethorphan    | 5.208 | 2002928  | 1519569.3 | 73.23  | 72908.2   | 85925      | 1026.535 ng/ml |
| Dextrorphan         | 4.060 | 2851356  | 1324732.0 | 44.99  | 353510.0  | 132240     | 1006.033 ng/ml |
| Diazepam            | 5.901 | 1532520  | ∞         | 86.22  | 22956.5   | 65757      | 991.587 ng/ml  |
| Dihydrocodeine      | 2.447 | 868633   | 1853.0    | 67.43  | 4600.4    | 68429      | 822.013 ng/ml  |
| Diphenhydramine     | 5.240 | 10666506 | 2197365.4 | 31.17  | 338956.3  | 447748     | 1054.521 ng/ml |
| DMT                 | 2.744 | 739705   | 7558.3    | 84.16  | 444.6     | 29314      | 889.765 ng/ml  |
| Doxylamine          | 4.481 | 10588496 | ∞         | 92.54  | 1188992.4 | 343917     | 986.337 ng/ml  |
| Duloxetine          | 5.615 | 376407   | 3031.4    | 11.61  | 539.7     | 10499      | 961.804 ng/ml  |
| EDDP                | 5.202 | 5107956  | 518346.4  | 41.22  | ∞         | 228279     | 993.207 ng/ml  |
| Etizolam            | 5.764 | 240362   | ∞         | 384.36 | 7097.3    | 65757      | 937.008 ng/ml  |
| Fentanyl            | 5.031 | 373553   | 9163.2    | 121.58 | 174666.7  | 182195     | 97.903 ng/ml   |
| Flualprazolam       | 5.650 | 568848   | 6026.6    | 84.83  | 5359.9    | 52132      | 910.541 ng/ml  |
| Fluorofentanyl      | 5.087 | 344061   | 167983.9  | 120.97 | 6162.9    | 1575       | 118.505 ng/ml  |
| Fluoxetine          | 5.677 | 2561543  | 474000.9  | 7.16   | 556607.3  | 78543      | 983.506 ng/ml  |

# AM #28 Multi-Drug Quant. Results

| Name                   | RT    | Resp.   | S/N       | Ratio  | S/N      | ISTD Resp. | Final Conc.    |
|------------------------|-------|---------|-----------|--------|----------|------------|----------------|
| Hydrocodone            | 2.936 | 1380863 | ∞         | 40.27  | ∞        | 90897      | 898.441 ng/ml  |
| Hydromorphone          | 1.517 | 1384670 | 5417.4    | 78.02  | 2816.9   | 41957      | 1019.744 ng/ml |
| Hydroxyzine            | 5.659 | 1879707 | 1257.1    | 117.18 | 496020.1 | 272733     | 969.550 ng/ml  |
| Ketamine               | 3.989 | 2643461 | 162352.7  | 36.12  | 29099.9  | 133443     | 897.979 ng/ml  |
| Lamotrigine            | 4.223 | 189019  | 21251.8   | 92.78  | 857525.7 | 99329      | 871.233 ng/ml  |
| Lorazepam              | 5.697 | 284977  | 13471.1   | 53.77  | ∞        | 32043      | 713.793 ng/ml  |
| MDA                    | 3.101 | 2672709 | 104722.4  | 28.39  | 47933.3  | 99329      | 733.826 ng/ml  |
| MDMA                   | 3.208 | 2856040 | 904173.9  | 105.02 | 209514.5 | 29314      | 982.008 ng/ml  |
| Meprobamate            | 4.823 | 816459  | 5744.0    | 32.02  | 6765.9   | 36461      | 704.650 ng/ml  |
| Methadone              | 5.619 | 6393961 | 6456038.7 | 54.33  | 84574.8  | 231517     | 998.119 ng/ml  |
| Methamphetamine        | 3.132 | 6740126 | ∞         | 36.89  | ∞        | 346027     | 877.090 ng/ml  |
| Metoprolol             | 4.268 | 682269  | ∞         | 97.18  | 96023.6  | 309166     | 1003.677 ng/ml |
| Mirtazapine            | 4.569 | 6768249 | 724418.5  | 49.48  | 495034.9 | 29314      | 1053.599 ng/ml |
| Mitragynine            | 5.163 | 1021820 | 26367.3   | 35.82  | 14651.5  | 309166     | 922.680 ng/ml  |
| Morphine               | 1.141 | 164594  | 509593.5  | 28.49  | 2264.5   | 1652       | 942.551 ng/ml  |
| Norbuprenorphine       | 4.937 | 30290   | ∞         | 99.33  | 24084.4  | 4629       | 102.365 ng/ml  |
| Nordiazepam            | 5.840 | 1117510 | 17094.4   | 58.03  | 7708.5   | 35878      | 989.058 ng/ml  |
| Norfentanyl            | 4.025 | 70253   | 17572.5   | 255.17 | 9089.3   | 149907     | 117.566 ng/ml  |
| Noroxycodone           | 2.813 | 1004985 | 8207.6    | 49.97  | 2034.4   | 31709      | 1012.530 ng/ml |
| O-desmethyl-tramadol   | 3.299 | 7653022 | 1403047.9 | 6.28   | 102023.5 | 322182     | 969.110 ng/ml  |
| O-Desmethylvenlafaxine | 4.008 | 1689866 | 1460.7    | 258.34 | 2244.9   | 58913      | 980.429 ng/ml  |
| Olanzapine             | 4.429 | 2528357 | 16223.7   | 44.54  | 394.9    | 61376      | 912.948 ng/ml  |
| Oxazepam               | 5.699 | 709352  | 14954.9   | 66.61  | 63986.7  | 32043      | 967.244 ng/ml  |
| Oxycodone              | 2.731 | 2684878 | 22781.9   | 32.56  | 21485.6  | 115248     | 848.300 ng/ml  |
| Phentermine            | 3.709 | 1228194 | ∞         | 8.76   | 1126.5   | 179200     | 853.040 ng/ml  |
| Promethazine           | 5.500 | 6200302 | 123098.0  | 35.98  | 104698.3 | 272733     | 1062.774 ng/ml |
| Pseudoephedrine        | 2.476 | 7584962 | ∞         | 16.72  | 157361.0 | 309166     | 1010.448 ng/ml |
| Quetiapine             | 5.486 | 2436958 | 261012.1  | 60.97  | ∞        | 39294      | 912.898 ng/ml  |
| Sertraline             | 5.740 | 973510  | ∞         | 102.17 | 407503.4 | 37891      | 1021.771 ng/ml |
| Temazepam              | 5.766 | 2344997 | 115568.0  | 30.36  | 24714.6  | 105283     | 967.179 ng/ml  |
| Tramadol               | 4.182 | 7621642 | ∞         | 3.37   | ∞        | 327700     | 951.600 ng/ml  |
| Trazodone              | 5.061 | 3454921 | 50074.8   | 80.62  | 303470.1 | 150806     | 931.128 ng/ml  |
| Venlafaxine            | 4.981 | 6289110 | 230220.7  | 43.12  | 58512.8  | 286519     | 1055.703 ng/ml |
| Zolpidem               | 4.831 | 7203225 | 658743.2  | 27.15  | 208298.2 | 307197     | 937.474 ng/ml  |