

7/29/2021

Worklist: 5135

REVIEWED
By Brittany Wylie at 12:25 pm, Jul 29, 2021

| <u>LAB CASE</u> | <u>ITEM</u> | <u>ITEM TYPE</u> | <u>DESCRIPTION</u> | |
|-----------------|-------------|------------------|--|---|
| C2021-1520 | 1 | BCK | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ |  |
| C2021-1552 | 1 | BCK | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ |  |
| C2021-1571 | 1 | BCK | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ |  |
| C2021-1583 | 1 | BCK | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ |  |
| C2021-1584 | 1 | BCK | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ |  |
| C2021-1620 | 1 | BCK | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ |  |
| C2021-1651 | 1 | BCK | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ |  |
| C2021-1662 | 1 | BCK | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ |  |
| C2021-1663 | 1 | BCK | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ |  |
| C2021-1671 | 1 | BCK | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ |  |
| C2021-1700 | 3 | BCK | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ |  |
| C2021-1701 | 1 | BCK | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ |  |

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

Extraction Date 7/28/21 Analyst: Anne Nord
Plate lot#: 201207 (part IDP-121) Plate Expiration: 12/10/21

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

Blank Blood Lot: 21D52496 **Urine Blank lot:**
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.
- 3. Create worklist:

Analytic:

- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. Urine hydrolysis pipette 250 ul urine in blank well, add 40 ul BG Turbo, add 100 ul 500 mm sodium phosphate buffer, mix for at least 5 minutes at ambient temperature. Pipette 250µL blood (calibrated pipette) Pipette ID: 1926134 or 250µL hydrolyzed urine in wells of analytical (standards) plate.
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 4. Pipette 250µL 0.5M ammonium hydroxide in wells of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 6. Transfer 300µL of blood+base/urine+base mixture to corresponding wells of SLE+ plate.
- 7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent).
(Load at 85-100 PSI- Selector to the right) Manifold ID: 66792
- 8. Wait 5 minutes.
- 9. Add 900uL ethyl acetate.
- 10. Wait 5 minutes.
- 11. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left).*
- 12. Add 900uL ethyl acetate.
- 13. Wait 5 minutes.
- 14. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left).*
- 15. Remove plate containing eluate. Add 50 ul 1% HCl in MeOH, 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

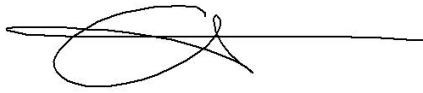
- 1. Create batch and process data.
- 2. Make necessary changes to integration limits
- 3. Integration linear and R² values ≥0.98 for each analyte.
- 4. For unknown samples and controls: response ratio within 20% of average of controls and standards, RT within +/- 5% (tramadol RT +/-2%), S/N for primary 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: *blood only run*

Curve limits:

alpha-hydroxyalprazolam 5-500, amphetamine 5-500, benzoylecgonine 10-1000, buprenorphine 2.5-100, codeine 5-500, dihydrocodeine 5-500, norbuprenorphine 2.5-100, norfentanyl .5-50, trazodone 5-500

alpha-hydroxyalprazolam qualitative only (using surrogate internal standard) quetiapine qualitative only (control accuracy)



| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|-------------|----------------|--------|--------|-------------|-----------|---|---|---|----|-----------|-------------|
| A | IS + Cal. 1 | IS + QC_1 | 1620-1 | 1583-1 | IS + Cal. 1 | IS + QC_1 | | | | | | IS + Cal. 8 |
| B | IS + Cal. 2 | IS + QC_2 | | 1701-1 | IS + Cal. 2 | IS + QC_2 | | | | | | IS + Cal. 7 |
| C | IS + Cal. 3 | qc3 | | 1520-1 | IS + Cal. 3 | IS + QC_3 | | | | | | IS + Cal. 6 |
| D | IS + Cal. 4 | IS + QC_4 | 1662-1 | 1663-1 | IS + Cal. 4 | IS + QC_4 | | | | | qc2 urine | IS + Cal. 5 |
| E | IS + Cal. 5 | Qc 2 urine | 1651-1 | | IS + Cal. 5 | qc2 urine | | | | | IS + QC_4 | IS + Cal. 4 |
| F | IS + Cal. 6 | negative blood | 1700-3 | | IS + Cal. 6 | | | | | | IS + QC_3 | IS + Cal. 3 |
| G | IS + Cal. 7 | 1571-1 | 1671-1 | | IS + Cal. 7 | | | | | | IS + QC_2 | IS + Cal. 2 |
| H | IS + Cal. 8 | 1552-1 | 1584-1 | | IS + Cal. 8 | | | | | | IS + QC_1 | IS + Cal. 1 |

Run blanks before

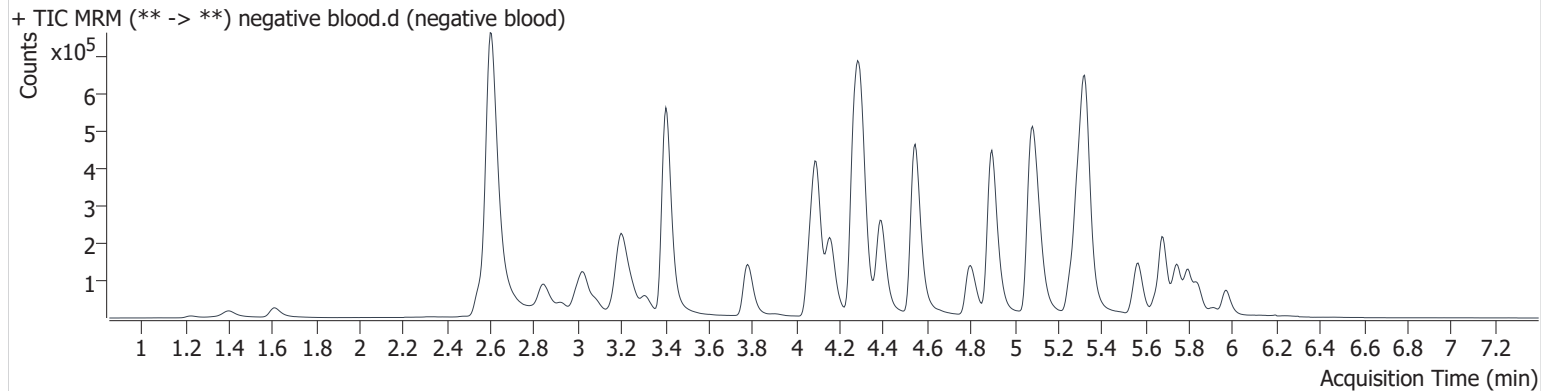
c2021-__-__

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\am 27-28\072821\QuantResults\mdq.batch.bin
Calibration Last Update 7/29/2021 8:19:41 AM

| | | | |
|------------------|----------------------|-----------|------------------|
| Instrument | 69679 | Data File | negative blood.d |
| Type | Sample | Sample | negative blood |
| Acq. Method | mdqp1 1-21-21long.m | Operator | Anne Nord |
| Sample Position | P2-F2 | Comment | |
| Injection Volume | 3 | | |
| Acq. Date-Time | 7/28/2021 2:56:07 PM | | |
| Sample Info. | | | |

Sample Chromatogram

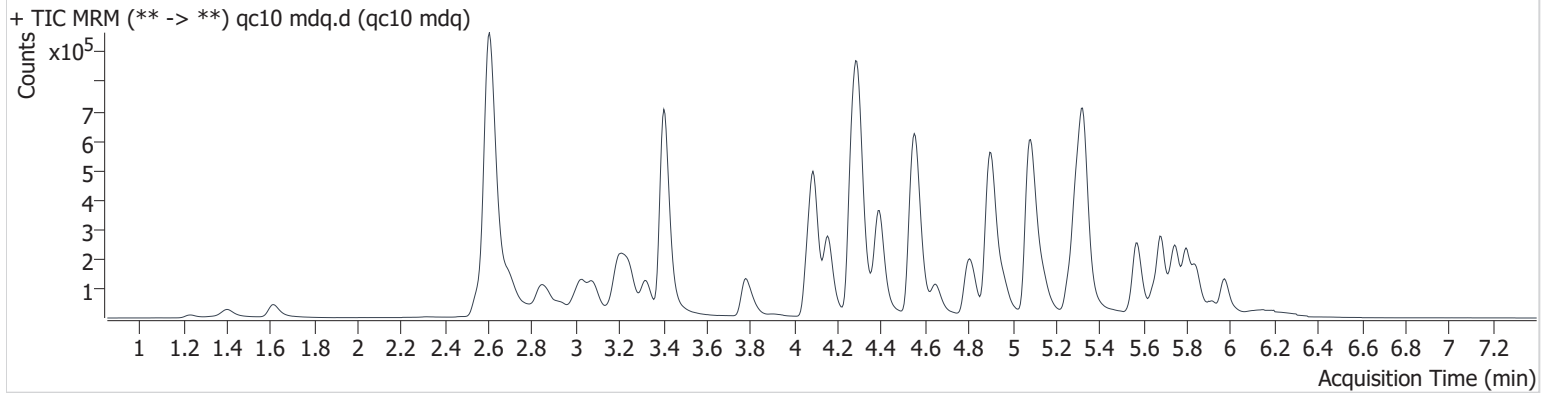


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\am 27-28\072821\QuantResults\mdq.batch.bin
Calibration Last Update 7/29/2021 8:19:41 AM

| | | | |
|-------------------------|----------------------|------------------|------------|
| 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 | 3 | | |
| Acq. Date-Time | 7/28/2021 2:20:00 PM | | |
| Sample Info. | | | |

Sample Chromatogram



| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|---------------------|-------|--------|----------------------|-----------|---------|------------|-----------------|
| 6-MAM | 3.176 | 3130 | 192726.2 | 142.8 | ∞ | 79336 | 1.004 ng/ml |
| 7-aminoclonazepam | 4.313 | 28905 | 1823.8 | 75.8 | 3135.2 | 148723 | 10.542 ng/ml |
| a-hydroxyalprazolam | 5.733 | 4101 | 121.6 | 54.2 | 848.0 | 12796 | 11.327 ng/ml |
| alpha-PHP | 4.966 | 135291 | 176340.8 | 41.6 | ∞ | 518723 | 10.813 ng/ml |
| alpha-PVP | 4.397 | 196138 | 6801.6 | 54.3 | 6368.1 | 750159 | 10.294 ng/ml |
| Alprazolam | 5.801 | 82850 | 1550206983 1647.2 | 92.2 | 1794.6 | 252185 | 10.600 ng/ml |
| Amphetamine | 3.083 | 147858 | 3479.1 | 41.9 | 1559.2 | 215258 | 10.754 ng/ml |
| Benzoylcegonine | 3.936 | 3599 | 23576.0 | 57.8 | 595.8 | 11850 | 9.652 ng/ml |
| Buprenorphine | 5.762 | 1313 | 1581.2 | 20.7 High | 190.5 | 46534 | 0.932 ng/ml ocr |
| Bupropion | 4.821 | 137689 | 8093.6 | 65.6 | 2161.7 | 518723 | 10.640 ng/ml |
| Carisoprodol | 5.757 | 62597 | 100690.9 | 55.9 | 561.8 | 237652 | 10.644 ng/ml |
| Citalopram | 5.264 | 76720 | 2877.8 | 42.2 | ∞ | 312958 | 10.224 ng/ml |
| Clonazepam | 5.650 | 7893 | 818.8 | 34.7 | 656.8 | 12796 | 11.325 ng/ml |
| Clonazolam | 5.596 | 16466 | 344031.7 | 42.3 | ∞ | 12796 | 10.497 ng/ml |
| Cocaine | 4.296 | 154462 | 13675.7 | 50.9 | ∞ | 1141076 | 10.789 ng/ml |
| Codeine | 2.613 | 20293 | 2912.3 | 92.4 | 2270.0 | 85236 | 10.804 ng/ml |
| Cyclobenzaprine | 5.652 | 51523 | 1106.3 | 8.0 | 386.8 | 161963 | 10.727 ng/ml |
| Dextromethorphan | 5.302 | 50308 | 1554.6 | 73.9 | 1135.1 | 220465 | 10.953 ng/ml |
| Dextrorphan | 4.159 | 124577 | 9636.7 | 43.6 | 3210.3 | 580655 | 11.107 ng/ml |
| Diazepam | 5.979 | 48853 | 1766.3 | 84.1 | 5061.6 | 212223 | 11.247 ng/ml |
| Dihydrocodeine | 2.587 | 56556 | 862.9 | 59.6 | 244.7 | 304284 | 11.045 ng/ml |
| Diphenhydramine | 5.329 | 262672 | 7552.5 | 31.5 | 2576.8 | 1246437 | 10.362 ng/ml |
| Doxylamine | 4.566 | 454200 | 6182.8 | 83.3 | 6753.1 | 1552783 | 11.154 ng/ml |
| EDDP | 5.296 | 172621 | 9545.1 | 41.3 | 25756.5 | 778626 | 10.987 ng/ml |
| Etizolam | 5.841 | 49028 | 105068.1 | 22.1 | ∞ | 252185 | 10.575 ng/ml |
| Fentanyl | 5.133 | 5776 | 40432.0 | 114.9 | ∞ | 257433 | 1.127 ng/ml |
| Flualprazolam | 5.738 | 34480 | 1279.3 | 92.2 | ∞ | 252185 | 11.079 ng/ml |
| Fluoxetine | 5.733 | 39896 | 1468.4 | 6.6 | 3154.1 | 138101 | 10.935 ng/ml |
| Hydrocodone | 3.054 | 55805 | ∞ | 39.5 | ∞ | 291919 | 10.435 ng/ml |
| Hydromorphone | 1.623 | 37233 | ∞ | 69.7 | ∞ | 111129 | 10.991 ng/ml |
| Ketamine | 4.083 | 146892 | 19235.7 | 38.5 | 985.1 | 659154 | 10.576 ng/ml |
| Lamotrigine | 4.324 | 13126 | 952.7 | 89.4 | ∞ | 148723 | 9.732 ng/ml |

AM #28 Multi-Drug Quant. Results

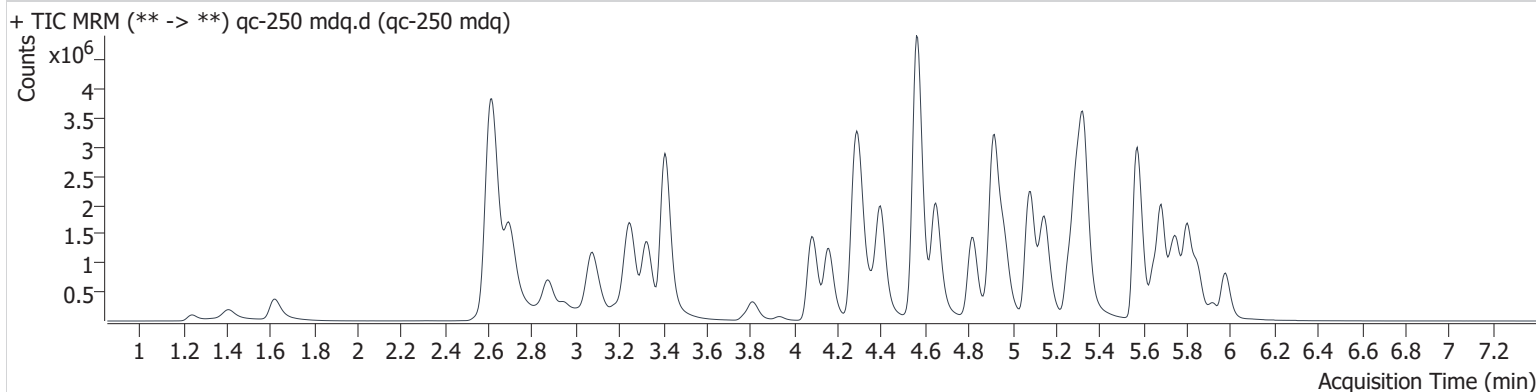
| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|----------------------|-------|--------|----------|-------|--------------------|------------|-----------------|
| Levetiracetam | 2.697 | 62671 | 1854.3 | 224.0 | 19689.2 | 43380 | 9.194 ng/ml |
| Lorazepam | 5.774 | 5292 | 725.3 | 47.9 | 1540904867 44.7 | 25888 | 10.287 ng/ml |
| MDA | 3.235 | 120373 | 2868.1 | 27.4 | 3400.2 | 324696 | 11.133 ng/ml |
| MDMA | 3.328 | 133786 | 3770.1 | 90.6 | 7428.1 | 125696 | 11.035 ng/ml |
| Meprobamate | 4.956 | 17119 | ∞ | 27.5 | ∞ | 50654 | 11.383 ng/ml |
| Methadone | 5.681 | 113302 | 3053.1 | 53.8 | 5527.4 | 469695 | 10.436 ng/ml |
| Methamphetamine | 3.257 | 120752 | 1043.3 | 41.4 | 825.3 | 463665 | 9.909 ng/ml |
| Metoprolol | 4.360 | 44857 | ∞ | 93.6 | ∞ | 324696 | 12.785 ng/ml |
| Mirtazapine | 4.649 | 178082 | 4420.4 | 50.9 | 17073.8 | 3031851 | 7.546 ng/ml |
| Mitragynine | 5.262 | 22496 | 26008.7 | 37.1 | 6804.3 | 257433 | 10.414 ng/ml |
| Morphine | 1.241 | 6312 | ∞ | 17.7 | ∞ | 7609 | 9.664 ng/ml |
| Norbuprenorphine | 5.045 | 213 | 285.0 | 88.5 | 290.1 | 8186 | 1.897 ng/ml ocr |
| Nordiazepam | 5.922 | 14464 | 125192.7 | 61.9 | 11542.2 | 43380 | 10.740 ng/ml |
| Norfentanyl | 4.119 | 9660 | 2749.0 | 39.6 | ∞ | 993897 | 1.078 ng/ml |
| Norhydrocodone | 3.100 | 3561 | 141.8 | 24.2 | 63.2 | 79104 | 10.075 ng/ml |
| Noroxycodone | 2.946 | 31980 | ∞ | 44.7 | ∞ | 101842 | 10.542 ng/ml |
| O-desmethyl-tramadol | 3.409 | 398858 | ∞ | 6.0 | 8025742.0 | 1861074 | 10.806 ng/ml |
| Oxazepam | 5.787 | 6269 | 775.6 | 66.0 | 104.1 | 25888 | 10.382 ng/ml |
| Oxycodone | 2.868 | 108218 | ∞ | 29.1 | ∞ | 389636 | 10.870 ng/ml |
| Oxymorphone | 1.404 | 32896 | ∞ | 44.7 | ∞ | 104021 | 10.819 ng/ml |
| Phentermine | 3.816 | 38835 | 405.5 | 8.3 | 240.2 | 423969 | 11.274 ng/ml |
| Promethazine | 5.573 | 70344 | 2509.0 | 37.6 | 1011.5 | 329844 | 9.985 ng/ml |
| Pseudoephedrine | 2.615 | 683322 | ∞ | 24.6 | 3612.0 | 3031851 | 10.481 ng/ml |
| Quetiapine | 5.570 | 128734 | 5349.8 | 62.3 | ∞ | 162287 | 11.142 ng/ml |
| Sertraline | 5.801 | 16206 | 22066.4 | 97.8 | 2130.4 | 58633 | 10.618 ng/ml |
| Temazepam | 5.849 | 51134 | 2275.1 | 28.9 | 98.2 | 211103 | 11.254 ng/ml |
| Tramadol | 4.282 | 371841 | 6866.8 | 3.5 | 918.7 | 1648717 | 10.959 ng/ml |
| Trazodone | 5.149 | 96309 | 3352.8 | 82.7 | 1456.9 | 303433 | 10.995 ng/ml |
| Venlafaxine | 5.078 | 257057 | 7828.6 | 36.8 | 1295.6 | 1459172 | 10.508 ng/ml |
| Zolpidem | 4.917 | 372314 | 8388.1 | 29.0 | 6744.9 | 1551537 | 11.037 ng/ml |

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Batch results D:\MassHunter\Data\2021\am 27-28\072821\QuantResults\mdq.batch.bin
Calibration Last Update 7/29/2021 8:19:41 AM

| | | | |
|-------------------------|----------------------|------------------|--------------|
| Instrument | 69679 | Data File | qc-250 mdq.d |
| Type | QC | Sample | qc-250 mdq |
| Acq. Method | mdqp1 1-21-21long.m | Operator | Anne Nord |
| Sample Position | P2-C2 | Comment | |
| Injection Volume | 3 | | |
| Acq. Date-Time | 7/28/2021 2:29:02 PM | | |

Sample Chromatogram



| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|---------------------|-------|---------|-----------------------|-------|-----------|------------|---------------|
| 6-MAM | 3.176 | 68387 | ∞ | 134.9 | ∞ | 64433 | 28.137 ng/ml |
| 7-aminoclonazepam | 4.313 | 369668 | 25601.5 | 78.5 | 28997.3 | 82481 | 262.939 ng/ml |
| a-hydroxyalprazolam | 5.727 | 67042 | 3530.0 | 54.5 | 500.0 | 12446 | 232.354 ng/ml |
| alpha-PHP | 4.966 | 2126585 | 427086.5 | 40.1 | 2136285.7 | 430007 | 255.831 ng/ml |
| alpha-PVP | 4.397 | 3429930 | 227376.1 | 52.5 | 121661.5 | 533889 | 270.181 ng/ml |
| Alprazolam | 5.806 | 1536472 | 7190.8 | 90.5 | ∞ | 189803 | 277.321 ng/ml |
| Amphetamine | 3.083 | 2504640 | ∞ | 40.7 | 203443.8 | 197163 | 241.653 ng/ml |
| Benzoylcegonine | 3.931 | 100530 | 632647.6 | 53.9 | 1925.7 | 13075 | 281.418 ng/ml |
| Buprenorphine | 5.762 | 20679 | 18753.9 | 16.8 | 1967.5 | 31868 | 25.895 ng/ml |
| Bupropion | 4.821 | 2676770 | 7928766.3 | 66.5 | 182710.2 | 430007 | 269.817 ng/ml |
| Carisoprodol | 5.757 | 1016076 | 32439563.3 | 56.7 | 20237.8 | 151105 | 287.130 ng/ml |
| Citalopram | 5.258 | 1662552 | 86493.4 | 40.4 | 45739.3 | 272235 | 275.459 ng/ml |
| Clonazepam | 5.650 | 190189 | 30894.5 | 33.5 | 35380.5 | 12446 | 297.501 ng/ml |
| Clonazepam | 5.596 | 360805 | 40326.6 | 41.0 | ∞ | 12446 | 267.506 ng/ml |
| Cocaine | 4.296 | 2593428 | 214247.6 | 50.7 | 92399.4 | 816954 | 270.977 ng/ml |
| Codeine | 2.618 | 280496 | 4665026.0 | 91.1 | 13487.5 | 58725 | 260.412 ng/ml |
| Cyclobenzaprine | 5.652 | 1676290 | ∞ | 9.3 | ∞ | 223600 | 270.503 ng/ml |
| Dextromethorphan | 5.302 | 1001379 | 179403.2 | 74.2 | 520227.7 | 183440 | 277.793 ng/ml |
| Dextrophan | 4.159 | 2334460 | 212580.8 | 44.7 | 147453.6 | 459201 | 281.442 ng/ml |
| Diazepam | 5.979 | 1158512 | ∞ | 86.2 | 23234.9 | 212261 | 277.094 ng/ml |
| Dihydrocodeine | 2.582 | 906907 | 5688.7 | 61.6 | 5068.1 | 255562 | 252.150 ng/ml |
| Diphenhydramine | 5.329 | 5359965 | 229552.9 | 30.3 | 58516.6 | 993913 | 273.427 ng/ml |
| Doxylamine | 4.566 | 8598144 | 335304.5 | 83.4 | 274157.3 | 1279664 | 273.284 ng/ml |
| EDDP | 5.296 | 3424173 | 202488.8 | 42.3 | 7285117.1 | 669755 | 270.970 ng/ml |
| Etizolam | 5.841 | 902568 | 32657.5 | 24.4 | ∞ | 189803 | 277.473 ng/ml |
| Fentanyl | 5.128 | 149976 | ∞ | 127.9 | 557152.8 | 291038 | 27.146 ng/ml |
| Flualprazolam | 5.738 | 625206 | ∞ | 93.1 | ∞ | 189803 | 278.922 ng/ml |
| Fluoxetine | 5.733 | 1152679 | 2948469595 22655.0 | 7.7 | 108914.6 | 172542 | 268.848 ng/ml |
| Hydrocodone | 3.054 | 1167773 | ∞ | 36.2 | ∞ | 250714 | 273.449 ng/ml |
| Hydromorphone | 1.623 | 889580 | ∞ | 73.9 | ∞ | 105970 | 287.638 ng/ml |
| Ketamine | 4.083 | 2777113 | 9332766.9 | 38.3 | 77365.5 | 543850 | 273.208 ng/ml |
| Lamotrigine | 4.324 | 211680 | ∞ | 87.2 | 5180469.3 | 82481 | 275.966 ng/ml |

AM #28 Multi-Drug Quant. Results

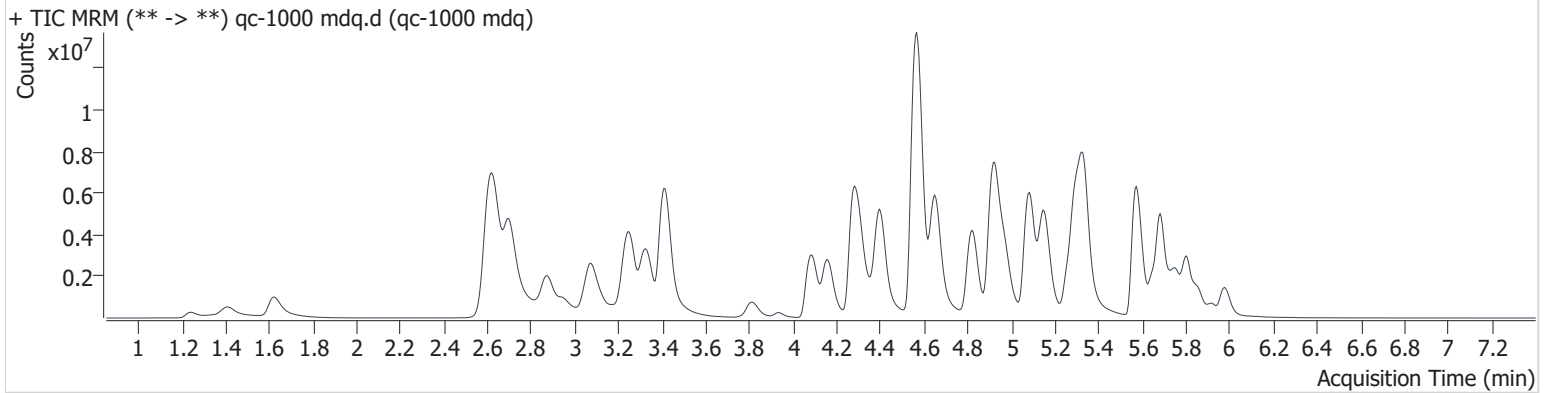
| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|----------------------|-------|----------|-----------|-------|-----------|------------|---------------|
| Levetiracetam | 2.697 | 1352888 | 53565.6 | 224.1 | 304110.9 | 45128 | 207.822 ng/ml |
| Lorazepam | 5.780 | 98908 | 10188.5 | 43.5 | 818.6 | 20714 | 281.461 ng/ml |
| MDA | 3.230 | 1781934 | 352098.1 | 26.8 | ∞ | 218418 | 276.777 ng/ml |
| MDMA | 3.328 | 2313254 | 208370.1 | 91.2 | 135516.0 | 94572 | 271.195 ng/ml |
| Meprobamate | 4.961 | 299944 | 616720.4 | 30.2 | ∞ | 37988 | 282.846 ng/ml |
| Methadone | 5.681 | 2836371 | 117617.4 | 53.8 | ∞ | 467075 | 275.939 ng/ml |
| Methamphetamine | 3.257 | 2173245 | 29033.8 | 39.3 | 17180.9 | 374553 | 294.084 ng/ml |
| Metoprolol | 4.360 | 615143 | 83024.8 | 97.8 | ∞ | 218418 | 284.846 ng/ml |
| Mirtazapine | 4.649 | 4080091 | 207446.9 | 48.5 | ∞ | 2105333 | 241.731 ng/ml |
| Mitragynine | 5.262 | 643358 | 536928.6 | 33.7 | 321832.8 | 291038 | 303.925 ng/ml |
| Morphine | 1.241 | 145864 | ∞ | 17.4 | ∞ | 6378 | 296.666 ng/ml |
| Norbuprenorphine | 5.034 | 3443 | 12947.2 | 88.4 | 11848.0 | 7147 | 29.224 ng/ml |
| Nordiazepam | 5.922 | 347692 | ∞ | 61.0 | ∞ | 45128 | 260.758 ng/ml |
| Norfentanyl | 4.119 | 177757 | ∞ | 39.0 | ∞ | 728088 | 28.043 ng/ml |
| Norhydrocodone | 3.106 | 88162 | 5643.4 | 29.4 | 694.0 | 68085 | 298.542 ng/ml |
| Noroxycodone | 2.951 | 625419 | ∞ | 44.4 | ∞ | 80297 | 276.946 ng/ml |
| O-desmethyl-tramadol | 3.409 | 7852352 | 844439.4 | 5.9 | 45391.9 | 1522487 | 273.445 ng/ml |
| Oxazepam | 5.781 | 120933 | 7178.0 | 74.8 | 9037.6 | 20714 | 266.419 ng/ml |
| Oxycodone | 2.868 | 2214444 | ∞ | 29.4 | ∞ | 344430 | 271.470 ng/ml |
| Oxymorphone | 1.409 | 690834 | ∞ | 44.3 | ∞ | 92872 | 277.822 ng/ml |
| Phentermine | 3.816 | 645161 | 20068.7 | 7.4 | ∞ | 327958 | 280.305 ng/ml |
| Promethazine | 5.573 | 2404001 | 1435288.8 | 37.3 | 921691.2 | 436222 | 272.128 ng/ml |
| Pseudoephedrine | 2.615 | 11805374 | 148265.8 | 24.2 | ∞ | 2105333 | 272.297 ng/ml |
| Quetiapine | 5.571 | 3191102 | 1328185.6 | 62.8 | 7556648.8 | 187573 | 280.402 ng/ml |
| Sertraline | 5.801 | 533554 | ∞ | 96.9 | 1564301.0 | 75705 | 282.600 ng/ml |
| Temazepam | 5.854 | 871085 | 46658.4 | 28.9 | 10742.8 | 149672 | 278.678 ng/ml |
| Tramadol | 4.277 | 6185191 | 285170.0 | 3.4 | 8333.2 | 1176876 | 281.458 ng/ml |
| Trazodone | 5.149 | 2800377 | 210008.5 | 81.8 | 82800.3 | 350652 | 277.638 ng/ml |
| Venlafaxine | 5.078 | 4523039 | 179097.7 | 38.0 | 122868.6 | 1052232 | 266.448 ng/ml |
| Zolpidem | 4.917 | 7686612 | 281783.1 | 29.3 | 100045.9 | 1437741 | 271.290 ng/ml |

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\am 27-28\072821\QuantResults\mdq.batch.bin
Calibration Last Update 7/29/2021 8:19:41 AM

| | | | |
|-------------------------|----------------------|------------------|---------------|
| Instrument | 69679 | Data File | qc-1000 mdq.d |
| Type | QC | Sample | qc-1000 mdq |
| Acq. Method | mdqp1 1-21-21long.m | Operator | Anne Nord |
| Sample Position | P2-D2 | Comment | |
| Injection Volume | 3 | | |
| Acq. Date-Time | 7/28/2021 2:38:03 PM | | |

Sample Chromatogram



| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|---------------------|-------|----------|-----------|-------|------------|------------|-------------------|
| 6-MAM | 3.176 | 196857 | ∞ | 136.3 | 42409.6 | 47047 | 111.053 ng/ml |
| 7-aminoclonazepam | 4.323 | 425021 | 29270.4 | 79.4 | 92084.3 | 21174 | 1180.735 ng/ml |
| a-hydroxyalprazolam | 5.727 | 154899 | 2161.7 | 57.1 | 939.5 | 8219 | 819.587 ng/ml ocr |
| alpha-PHP | 4.971 | 6544995 | ∞ | 39.5 | ∞ | 368923 | 925.056 ng/ml |
| alpha-PVP | 4.397 | 11190092 | 1740181.5 | 52.0 | 479901.2 | 414371 | 1138.047 ng/ml |
| Alprazolam | 5.806 | 2925509 | ∞ | 90.7 | 4989.8 | 93064 | 1078.882 ng/ml |
| Amphetamine | 3.089 | 5624725 | ∞ | 40.9 | 291985.1 | 147434 | 730.629 ng/ml ocr |
| Benzoylcegonine | 3.931 | 363323 | ∞ | 53.6 | 11582.2 | 11012 | 1212.644 ng/ml |
| Buprenorphine | 5.762 | 28045 | 10896.8 | 15.1 | 417.1 | 10237 | 109.977 ng/ml |
| Bupropion | 4.823 | 9060971 | ∞ | 63.3 | 159477.2 | 368923 | 1067.226 ng/ml |
| Carisoprodol | 5.762 | 1752088 | 3129246.9 | 57.2 | 323733.3 | 65127 | 1150.627 ng/ml |
| Citalopram | 5.258 | 3714357 | 152823.2 | 41.7 | ∞ | 141435 | 1187.414 ng/ml |
| Clonazepam | 5.650 | 442429 | 203968.8 | 33.3 | 35461.3 | 8219 | 1049.781 ng/ml |
| Clonazepam | 5.602 | 866838 | ∞ | 39.6 | ∞ | 8219 | 977.014 ng/ml |
| Cocaine | 4.302 | 6270855 | ∞ | 49.2 | 224153.3 | 466483 | 1150.070 ng/ml |
| Codeine | 2.618 | 574812 | ∞ | 99.1 | ∞ | 37151 | 848.695 ng/ml ocr |
| Cyclobenzaprine | 5.652 | 3681759 | 538405.6 | 8.7 | 2356114.3 | 121008 | 1100.234 ng/ml |
| Dextromethorphan | 5.307 | 2049574 | 94210.6 | 75.6 | 177155.3 | 99645 | 1048.611 ng/ml |
| Dextrorphan | 4.161 | 6371020 | 7873400.8 | 43.6 | 55636593.8 | 306557 | 1153.027 ng/ml |
| Diazepam | 5.979 | 2422155 | ∞ | 86.0 | ∞ | 112132 | 1098.018 ng/ml |
| Dihydrocodeine | 2.577 | 2264581 | 16853.6 | 61.0 | 1228.6 | 225773 | 716.869 ng/ml ocr |
| Diphenhydramine | 5.334 | 13412856 | 1319788.6 | 29.9 | 59567.9 | 594311 | 1145.359 ng/ml |
| Doxylamine | 4.566 | 28204820 | ∞ | 88.3 | 589582.5 | 1141627 | 1006.937 ng/ml |
| EDDP | 5.296 | 11981286 | 332866.9 | 41.3 | 661377.3 | 548362 | 1160.636 ng/ml |
| Etizolam | 5.841 | 1814204 | 29975.6 | 23.9 | ∞ | 93064 | 1139.976 ng/ml |
| Fentanyl | 5.133 | 390036 | ∞ | 132.2 | 415295.4 | 177307 | 116.072 ng/ml |
| Flualprazolam | 5.738 | 1210272 | 124193.1 | 92.5 | 5638.6 | 93064 | 1102.730 ng/ml |
| Fluoxetine | 5.733 | 1629066 | 815452.2 | 7.5 | 72629.6 | 61878 | 1061.602 ng/ml |
| Hydrocodone | 3.054 | 3477597 | ∞ | 40.7 | ∞ | 211882 | 965.642 ng/ml |
| Hydromorphone | 1.623 | 2858169 | ∞ | 74.6 | ∞ | 88825 | 1103.984 ng/ml |
| Ketamine | 4.083 | 7745498 | 855444.3 | 37.5 | 28482.1 | 410354 | 1013.680 ng/ml |
| Lamotrigine | 4.329 | 271276 | 26364.4 | 89.4 | 598185.4 | 21174 | 1376.638 ng/ml |
| Levetiracetam | 2.702 | 4017509 | 225191.1 | 223.3 | 460568.8 | 23733 | 1177.478 ng/ml |

AM #28 Multi-Drug Quant. Results

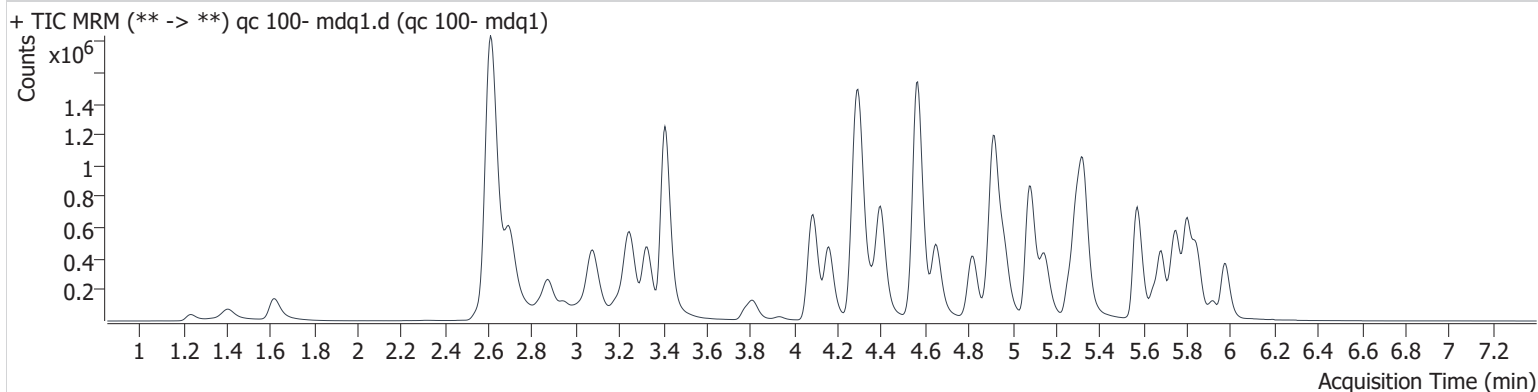
| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|------------------------|------------------|--------------------|---------------------|-----------------|--|-------------------|-------------------------------|
| Lorazepam | 5.774 | 293911 | 129214.2 | 47.6 | 45887.9 | 14987 | 1161.760 ng/ml |
| MDA | 3.230 | 4051777 | ∞ | 27.0 | 29340.4 | 147759 | 933.861 ng/ml |
| MDMA | 3.328 | 6325039 | 221128.9 | 89.8 | 187677.1 | 67082 | 1047.675 ng/ml |
| Meprobamate | 4.967 | 521102 | 1125524.0 | 29.2 | 6419.8 | 16189 | 1155.380 ng/ml |
| Methadone | 5.681 | 8503005 | ∞ | 49.5 | 209594.2 | 342897 | 1128.484 ng/ml |
| Methamphetamine | 3.257 | 6333669 | 64495.9 | 38.4 | ∞ | 369761 | 874.907 ng/ml |
| Metoprolol | 4.360 | 1265851 | 131388.4 | 97.4 | ∞ | 147759 | 869.016 ng/ml |
| Mirtazapine | 4.649 | 12585550 | 3392070.1 | 47.5 | 1950699.4 | 1225906 | 1279.585 ng/ml |
| Mitragynine | 5.262 | 1414482 | 66615.1 | 34.8 | 2532219.9 | 177307 | 1101.166 ng/ml |
| Morphine | 1.241 | 448575 | ∞ | 15.0 | ∞ | 4913 | 1187.678 ng/ml |
| Norbuprenorphine | 5.034 | 9556 | 93403.8 | 96.7 | ∞ | 4961 | 115.844 ng/ml |
| Nordiazepam | 5.922 | 743860 | ∞ | 63.0 | ∞ | 23733 | 1062.518 ng/ml |
| Norfentanyl | 4.119 | 517481 | ∞ | 38.7 | 1399453689 535270.0 | 433371 | 137.314 ng/ml ocr |
| Norhydrocodone | 3.111 | 227238 | ∞ | 33.4 | 604.1 | 45544 | 1151.242 ng/ml |
| Noroxycodone | 2.946 | 1780604 | ∞ | 44.1 | ∞ | 60358 | 1050.761 ng/ml |
| O-desmethyl-tramadol | 3.414 | 22265858 | ∞ | 5.7 | 677752.8 | 1059902 | 1115.557 ng/ml |
| Oxazepam | 5.781 | 371328 | 76231.4 | 72.3 | ∞ | 14987 | 1132.967 ng/ml |
| Oxycodone | 2.871 | 7458147 | ∞ | 29.2 | ∞ | 306962 | 1028.390 ng/ml |
| Oxymorphone | 1.409 | 2187641 | ∞ | 44.1 | ∞ | 78563 | 1042.838 ng/ml |
| Phentermine | 3.816 | 1868056 | ∞ | 6.8 | 155361.5 | 293218 | 911.955 ng/ml |
| Promethazine | 5.573 | 5552979 | 1332648.9 | 35.6 | 61120.1 | 251065 | 1093.867 ng/ml |
| Pseudoephedrine | 2.623 | 28983153 | ∞ | 23.5 | ∞ | 1225906 | 1149.636 ng/ml |
| Quetiapine | 5.565 | 7896500 | ∞ | 61.6 | ∞ | 136502 | 958.337 ng/ml |
| Sertraline | 5.796 | 639222 | ∞ | 95.6 | 1340074.1 | 25133 | 1021.090 ng/ml |
| Temazepam | 5.854 | 1587561 | 64138.3 | 29.8 | 5033.7 | 67713 | 1123.728 ng/ml |
| Tramadol | 4.272 | 16260202 | 809411.1 | 3.2 | 14511.3 | 875852 | 997.191 ng/ml |
| Trazodone | 5.149 | 8718674 | 486503.3 | 80.7 | 248624.9 | 207888 | 1458.184 ng/ml ocr |
| Venlafaxine | 5.083 | 15886286 | 915685.9 | 34.9 | 75783.5 | 824319 | 1196.093 ng/ml |
| Zolpidem | 4.917 | 20902423 | 760690.1 | 28.5 | 507506.1 | 1095844 | 970.954 ng/ml |

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\am 27-28\072821\QuantResults\mdq.batch.bin
Calibration Last Update 7/29/2021 8:19:41 AM

| | | | |
|-------------------------|----------------------|------------------|----------------|
| Instrument | 69679 | Data File | qc 100- mdq1.d |
| Type | QC | Sample | qc 100- mdq1 |
| Acq. Method | mdqp1 1-21-21long.m | Operator | Anne Nord |
| Sample Position | P2-E2 | Comment | |
| Injection Volume | 3 | | |
| Acq. Date-Time | 7/28/2021 2:47:05 PM | | |
| Sample Info. | | | |

Sample Chromatogram



| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|---------------------|-------|---------|-----------------------|-------|----------|------------|---------------|
| 6-MAM | 3.176 | 23767 | ∞ | 133.9 | ∞ | 56375 | 11.150 ng/ml |
| 7-aminoclonazepam | 4.313 | 188326 | 9442.0 | 75.8 | ∞ | 104863 | 104.823 ng/ml |
| a-hydroxyalprazolam | 5.727 | 27690 | 2854.6 | 53.0 | 4705.9 | 11584 | 101.636 ng/ml |
| alpha-PHP | 4.966 | 615733 | 194837.2 | 40.6 | ∞ | 273879 | 114.757 ng/ml |
| alpha-PVP | 4.403 | 1067248 | 56594.5 | 53.7 | 63995.8 | 401462 | 111.372 ng/ml |
| Alprazolam | 5.801 | 656755 | ∞ | 86.8 | ∞ | 191153 | 117.310 ng/ml |
| Amphetamine | 3.083 | 922304 | 12650.6 | 39.1 | 17654.7 | 154877 | 111.983 ng/ml |
| Benzoylcegonine | 3.931 | 29245 | ∞ | 56.2 | ∞ | 9132 | 116.318 ng/ml |
| Buprenorphine | 5.762 | 5164 | 4390.0 | 20.0 | 3122.4 | 19158 | 10.638 ng/ml |
| Bupropion | 4.821 | 693812 | 13028774.1 | 66.3 | 17123.1 | 273879 | 109.267 ng/ml |
| Carisoprodol | 5.757 | 460123 | 612134.9 | 58.1 | ∞ | 173536 | 112.838 ng/ml |
| Citalopram | 5.264 | 399424 | 9934.2 | 39.9 | 76227.9 | 161633 | 110.946 ng/ml |
| Clonazepam | 5.650 | 69168 | ∞ | 32.1 | 1454.2 | 11584 | 115.816 ng/ml |
| Clonazepam | 5.591 | 139705 | 140131.2 | 37.1 | ∞ | 11584 | 110.449 ng/ml |
| Cocaine | 4.302 | 928256 | 74490.5 | 50.6 | 43564.6 | 716482 | 110.117 ng/ml |
| Codeine | 2.618 | 119741 | 5659571991 1645.9 | 92.7 | ∞ | 54179 | 119.265 ng/ml |
| Cyclobenzaprine | 5.652 | 269588 | 2084786.5 | 8.4 | 99384.5 | 83942 | 115.434 ng/ml |
| Dextromethorphan | 5.302 | 216814 | 15789.9 | 76.3 | 42903.4 | 96324 | 114.140 ng/ml |
| Dextrorphan | 4.159 | 714508 | 1764675241 47555.0 | 44.5 | 31445.6 | 340301 | 115.766 ng/ml |
| Diazepam | 5.979 | 443237 | 26052.8 | 86.6 | ∞ | 195276 | 114.967 ng/ml |
| Dihydrocodeine | 2.587 | 357952 | 5123.8 | 60.4 | 2310.4 | 215600 | 116.756 ng/ml |
| Diphenhydramine | 5.329 | 1234659 | 28417.6 | 31.0 | 119324.4 | 589462 | 105.993 ng/ml |
| Doxylamine | 4.566 | 2507640 | 163440.6 | 82.9 | 14669.7 | 905043 | 112.237 ng/ml |
| EDDP | 5.296 | 875961 | 49500.9 | 42.8 | 7293.8 | 415165 | 111.358 ng/ml |
| Etizolam | 5.841 | 359986 | 18781.6 | 23.3 | 961840.5 | 191153 | 109.404 ng/ml |
| Fentanyl | 5.128 | 24426 | 31116.7 | 122.6 | 37637.9 | 118262 | 10.846 ng/ml |
| Flualprazolam | 5.738 | 261481 | 11416.7 | 92.4 | 6123.9 | 191153 | 115.526 ng/ml |
| Fluoxetine | 5.733 | 209514 | 3857.8 | 7.1 | ∞ | 71629 | 117.305 ng/ml |
| Hydrocodone | 3.054 | 389677 | ∞ | 37.9 | ∞ | 197228 | 115.521 ng/ml |
| Hydromorphone | 1.623 | 299189 | ∞ | 69.8 | ∞ | 86858 | 117.726 ng/ml |
| Ketamine | 4.083 | 948902 | 190886.7 | 38.2 | 24936.2 | 443974 | 113.533 ng/ml |
| Lamotrigine | 4.324 | 90078 | 11178.6 | 88.1 | 64222.7 | 104863 | 92.535 ng/ml |

qc 100- mdq1

Generated at 8:20 AM on 7/29/2021

AM #28 Multi-Drug Quant. Results

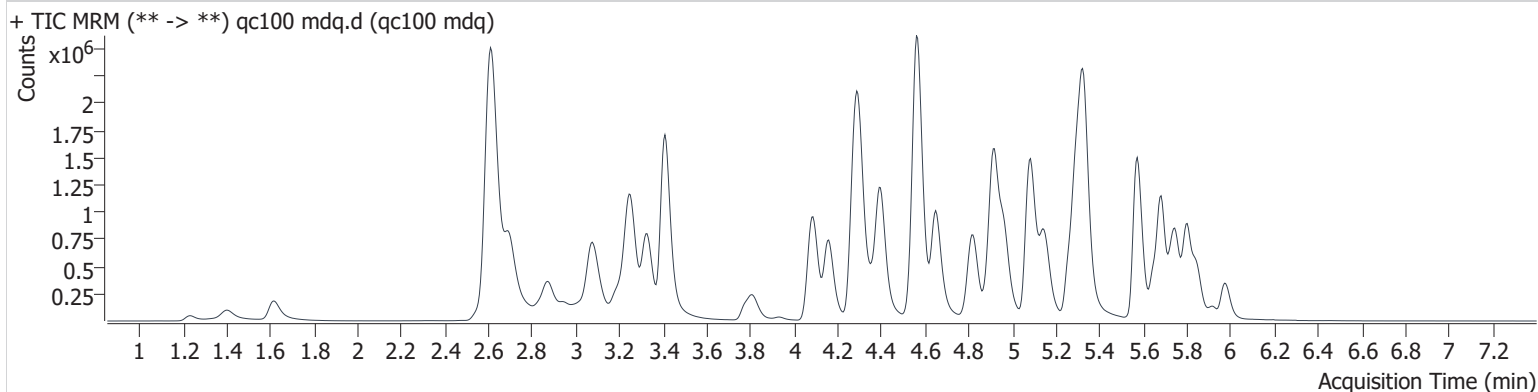
| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|----------------------|-------|---------|-----------------------|-------|------------------------|------------|---------------|
| Levetiracetam | 2.697 | 462571 | 10367.5 | 224.4 | 85127.0 | 42492 | 74.916 ng/ml |
| Lorazepam | 5.780 | 37526 | ∞ | 44.9 | 397.2 | 18062 | 121.428 ng/ml |
| MDA | 3.235 | 650810 | ∞ | 27.0 | ∞ | 190612 | 114.953 ng/ml |
| MDMA | 3.328 | 751417 | 30164.2 | 91.4 | 24394.8 | 72458 | 114.517 ng/ml |
| Meprobamate | 4.961 | 119928 | ∞ | 30.0 | 1005.8 | 35868 | 119.338 ng/ml |
| Methadone | 5.681 | 533490 | 48394.7 | 54.4 | 4465.6 | 224013 | 107.883 ng/ml |
| Methamphetamine | 3.257 | 538192 | 8708.4 | 41.7 | ∞ | 232178 | 115.419 ng/ml |
| Metoprolol | 4.365 | 233100 | 1682875966 48062.0 | 96.1 | ∞ | 190612 | 122.978 ng/ml |
| Mirtazapine | 4.649 | 910070 | 19668.7 | 49.3 | 26743.0 | 1965895 | 57.915 ng/ml |
| Mitragynine | 5.262 | 114457 | ∞ | 34.6 | ∞ | 118262 | 132.128 ng/ml |
| Morphine | 1.236 | 52436 | ∞ | 16.0 | ∞ | 5663 | 119.430 ng/ml |
| Norbuprenorphine | 5.034 | 611 | 2388.6 | 91.2 | ∞ | 3396 | 11.127 ng/ml |
| Nordiazepam | 5.922 | 134808 | 8738.7 | 62.6 | ∞ | 42492 | 107.038 ng/ml |
| Norfentanyl | 4.119 | 61470 | ∞ | 39.0 | 214046.8 | 655822 | 10.741 ng/ml |
| Norhydrocodone | 3.106 | 27607 | 4598.4 | 27.2 | 183.8 | 56583 | 112.292 ng/ml |
| Noroxycodone | 2.951 | 216110 | ∞ | 43.3 | ∞ | 68348 | 112.042 ng/ml |
| O-desmethyl-tramadol | 3.409 | 2653520 | 87787.8 | 5.9 | 6350614958 058570.0 | 1255123 | 111.746 ng/ml |
| Oxazepam | 5.787 | 45839 | 2891.3 | 73.2 | ∞ | 18062 | 115.419 ng/ml |
| Oxycodone | 2.873 | 717742 | ∞ | 29.7 | ∞ | 272707 | 110.600 ng/ml |
| Oxymorphone | 1.404 | 238295 | ∞ | 44.2 | ∞ | 77289 | 114.546 ng/ml |
| Phentermine | 3.816 | 198402 | 2113.9 | 8.2 | 2583774603 2440.4 | 241421 | 116.013 ng/ml |
| Promethazine | 5.573 | 357640 | 22023.4 | 38.4 | 9141.3 | 160037 | 110.012 ng/ml |
| Pseudoephedrine | 2.615 | 4351143 | ∞ | 24.5 | ∞ | 1965895 | 107.187 ng/ml |
| Quetiapine | 5.570 | 819485 | 26581.8 | 64.0 | 71546.0 | 108524 | 123.332 ng/ml |
| Sertraline | 5.801 | 91452 | 29332.7 | 94.3 | 4300.2 | 32844 | 111.356 ng/ml |
| Temazepam | 5.849 | 376096 | 115273.7 | 29.6 | 4238.7 | 170829 | 105.196 ng/ml |
| Tramadol | 4.282 | 2194577 | 28712.8 | 3.3 | 3886.7 | 1011576 | 115.496 ng/ml |
| Trazodone | 5.149 | 609563 | 5874.7 | 81.0 | 13215.8 | 198562 | 106.698 ng/ml |
| Venlafaxine | 5.078 | 1384083 | 1404201.8 | 37.8 | 9625.1 | 799343 | 107.074 ng/ml |
| Zolpidem | 4.917 | 2493354 | 50647.6 | 29.5 | 15888.0 | 1081670 | 116.290 ng/ml |

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\am 27-28\072821\QuantResults\mdq.batch.bin
Calibration Last Update 7/29/2021 8:19:41 AM

| | | | |
|-------------------------|----------------------|------------------|-------------|
| Instrument | 69679 | Data File | qc100 mdq.d |
| Type | QC | Sample | qc100 mdq |
| Acq. Method | mdqp1 1-21-21long.m | Operator | Anne Nord |
| Sample Position | P2-B2 | Comment | |
| Injection Volume | 3 | | |
| Acq. Date-Time | 7/28/2021 5:02:33 PM | | |

Sample Chromatogram



| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|---------------------|-------|---------|------------------------|-------|-----------|------------|---------------|
| 6-MAM | 3.176 | 30666 | ∞ | 134.5 | ∞ | 73100 | 11.095 ng/ml |
| 7-aminoclonazepam | 4.313 | 205299 | ∞ | 76.1 | ∞ | 108704 | 110.279 ng/ml |
| a-hydroxyalprazolam | 5.733 | 29870 | 678.1 | 55.4 | 211.8 | 12037 | 105.614 ng/ml |
| alpha-PHP | 4.966 | 1302748 | 171914.8 | 40.3 | 13808.9 | 539060 | 123.571 ng/ml |
| alpha-PVP | 4.397 | 1873709 | 86193.7 | 52.4 | 39277.4 | 725540 | 108.171 ng/ml |
| Alprazolam | 5.801 | 672132 | ∞ | 90.0 | 12886.4 | 205592 | 111.591 ng/ml |
| Amphetamine | 3.083 | 1555843 | 2317241789 769730.0 | 40.7 | ∞ | 251915 | 116.229 ng/ml |
| Benzoylcegonine | 3.931 | 36628 | 98060.6 | 52.0 | ∞ | 11078 | 120.141 ng/ml |
| Buprenorphine | 5.762 | 12347 | 2212.0 | 14.4 | 6799.2 | 42363 | 11.519 ng/ml |
| Bupropion | 4.821 | 1402852 | 2311265.6 | 65.5 | 26810.2 | 539060 | 112.274 ng/ml |
| Carisoprodol | 5.757 | 487581 | 4633343.1 | 57.1 | 6727.7 | 181918 | 114.069 ng/ml |
| Citalopram | 5.264 | 880489 | 24341.7 | 40.6 | 14434.8 | 354601 | 111.483 ng/ml |
| Clonazepam | 5.650 | 72958 | 33385.6 | 32.9 | 6388.9 | 12037 | 117.577 ng/ml |
| Clonazolam | 5.591 | 156737 | ∞ | 37.6 | 68175.7 | 12037 | 119.367 ng/ml |
| Cocaine | 4.296 | 1336998 | 639738.9 | 50.6 | 51139.0 | 1029244 | 110.411 ng/ml |
| Codeine | 2.618 | 149116 | ∞ | 94.5 | ∞ | 70915 | 113.360 ng/ml |
| Cyclobenzaprine | 5.652 | 774966 | ∞ | 9.2 | 57771.1 | 250036 | 111.374 ng/ml |
| Dextromethorphan | 5.307 | 558499 | 32423.4 | 76.0 | 308276.2 | 255024 | 111.032 ng/ml |
| Dextrorphan | 4.159 | 1150209 | 116864.5 | 44.7 | 310419.8 | 552333 | 114.812 ng/ml |
| Diazepam | 5.979 | 429717 | 12270.4 | 84.2 | 20518.1 | 186661 | 116.611 ng/ml |
| Dihydrocodeine | 2.582 | 459002 | 3530.3 | 60.6 | 6114.5 | 283501 | 113.801 ng/ml |
| Diphenhydramine | 5.329 | 2867568 | 815086.6 | 31.1 | 77315.1 | 1365165 | 106.297 ng/ml |
| Doxylamine | 4.566 | 4272152 | 2104755.4 | 82.6 | 318522.6 | 1540606 | 112.331 ng/ml |
| EDDP | 5.296 | 1711189 | 5017013.6 | 43.2 | 3011206.3 | 815213 | 110.782 ng/ml |
| Etizolam | 5.841 | 399667 | 119054.7 | 23.9 | ∞ | 205592 | 112.958 ng/ml |
| Fentanyl | 5.128 | 77064 | ∞ | 120.3 | ∞ | 358453 | 11.292 ng/ml |
| Flualprazolam | 5.738 | 278004 | 11691.7 | 93.6 | ∞ | 205592 | 114.194 ng/ml |
| Fluoxetine | 5.733 | 666967 | ∞ | 7.4 | 111345.6 | 230076 | 116.253 ng/ml |
| Hydrocodone | 3.054 | 549910 | ∞ | 37.6 | ∞ | 274809 | 117.010 ng/ml |
| Hydromorphone | 1.618 | 384655 | ∞ | 74.9 | ∞ | 114249 | 115.057 ng/ml |
| Ketamine | 4.083 | 1336060 | 5702477.9 | 38.7 | 12182.7 | 611980 | 116.000 ng/ml |
| Lamotrigine | 4.324 | 105351 | 174915.4 | 87.1 | ∞ | 108704 | 104.369 ng/ml |

AM #28 Multi-Drug Quant. Results

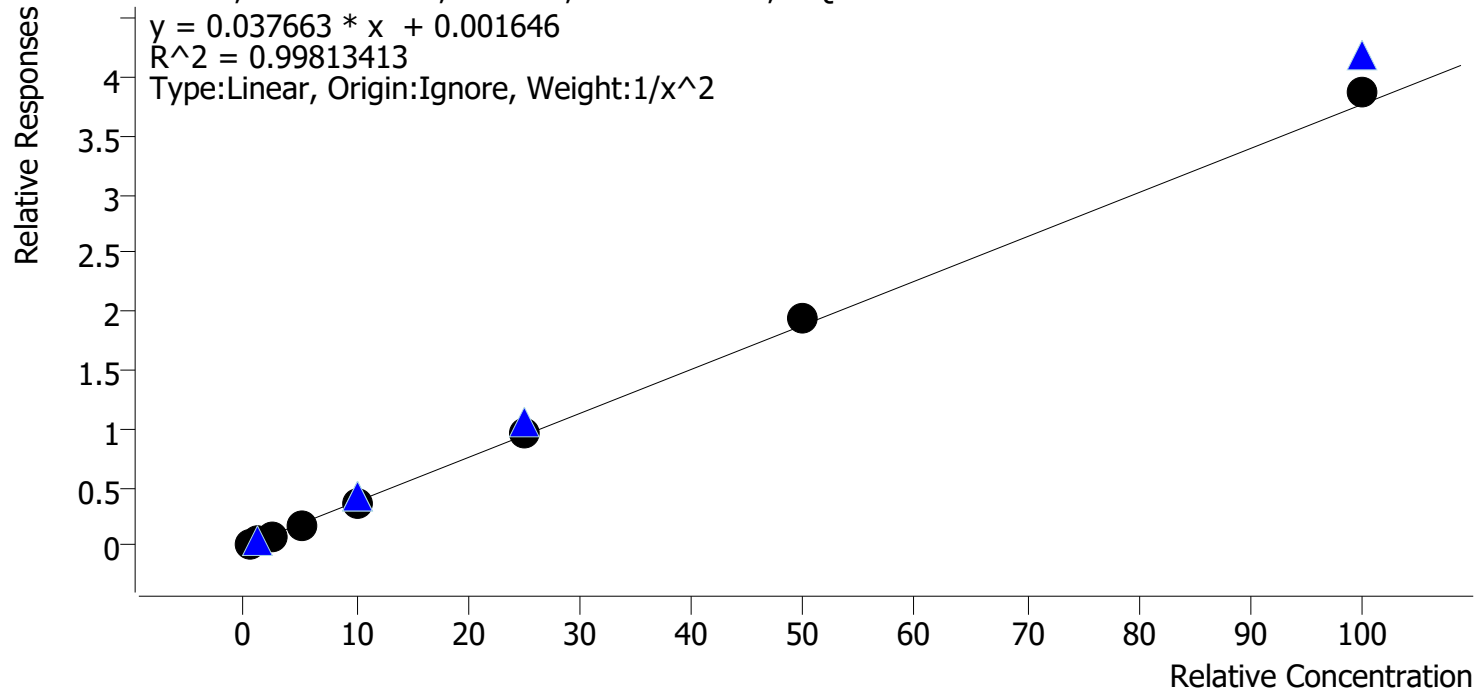
| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|----------------------|-------|---------|-------------------------|-------|----------|------------|---------------|
| Levetiracetam | 2.697 | 577215 | 37607.3 | 224.1 | 822398.6 | 39026 | 102.095 ng/ml |
| Lorazepam | 5.774 | 44143 | ∞ | 45.7 | 1327.5 | 23109 | 111.494 ng/ml |
| MDA | 3.235 | 1000717 | 74733.8 | 26.9 | ∞ | 288085 | 116.978 ng/ml |
| MDMA | 3.328 | 1256353 | 98764.0 | 90.7 | 110449.8 | 124474 | 111.436 ng/ml |
| Meprobamate | 4.961 | 139999 | ∞ | 29.4 | 593796.8 | 41872 | 119.335 ng/ml |
| Methadone | 5.681 | 1443905 | 27247.2 | 52.7 | 32491.6 | 598052 | 109.378 ng/ml |
| Methamphetamine | 3.257 | 1525498 | 39668.4 | 35.8 | 66955.4 | 656532 | 115.704 ng/ml |
| Metoprolol | 4.360 | 361895 | ∞ | 98.5 | ∞ | 288085 | 126.361 ng/ml |
| Mirtazapine | 4.649 | 1978790 | 3604974.9 | 48.2 | ∞ | 2753895 | 89.769 ng/ml |
| Mitragynine | 5.262 | 293232 | 693820.1 | 31.8 | 143945.6 | 358453 | 111.422 ng/ml |
| Morphine | 1.236 | 57218 | ∞ | 17.1 | ∞ | 6638 | 111.098 ng/ml |
| Norbuprenorphine | 5.029 | 1890 | 10996.4 | 87.1 | 17147.9 | 8619 | 13.488 ng/ml |
| Nordiazepam | 5.922 | 124952 | ∞ | 62.2 | 25750.0 | 39026 | 108.029 ng/ml |
| Norfentanyl | 4.119 | 89344 | 48268.2 | 38.3 | 52428.0 | 925886 | 11.059 ng/ml |
| Norhydrocodone | 3.106 | 42649 | ∞ | 29.8 | 712.3 | 85183 | 115.240 ng/ml |
| Noroxycodone | 2.951 | 310342 | ∞ | 43.7 | ∞ | 96129 | 114.411 ng/ml |
| O-desmethyl-tramadol | 3.409 | 3586019 | 1910204988 7380800.0 | 6.0 | 44272.3 | 1739698 | 108.937 ng/ml |
| Oxazepam | 5.787 | 56375 | 1466.0 | 70.9 | ∞ | 23109 | 110.918 ng/ml |
| Oxycodone | 2.873 | 992084 | ∞ | 29.5 | ∞ | 377772 | 110.356 ng/ml |
| Oxymorphone | 1.399 | 310114 | ∞ | 43.4 | ∞ | 99480 | 115.827 ng/ml |
| Phentermine | 3.816 | 387289 | 7583.7 | 7.5 | 4648.1 | 463184 | 118.069 ng/ml |
| Promethazine | 5.573 | 1126093 | 3535062.8 | 37.9 | 91925.0 | 510775 | 108.525 ng/ml |
| Pseudoephedrine | 2.615 | 6167433 | 67698.2 | 24.4 | ∞ | 2753895 | 108.463 ng/ml |
| Quetiapine | 5.570 | 1332586 | 11592896.4 | 63.9 | ∞ | 182454 | 119.223 ng/ml |
| Sertraline | 5.801 | 304489 | 6582855.6 | 96.0 | 784225.3 | 105355 | 115.601 ng/ml |
| Temazepam | 5.849 | 390029 | ∞ | 29.0 | 1923.6 | 172071 | 108.317 ng/ml |
| Tramadol | 4.282 | 3244100 | 336481.8 | 3.4 | 3215.7 | 1512940 | 114.140 ng/ml |
| Trazodone | 5.149 | 1135634 | 1086881.6 | 80.9 | ∞ | 354105 | 111.468 ng/ml |
| Venlafaxine | 5.083 | 2408051 | 323918.6 | 37.6 | 46659.0 | 1369076 | 108.773 ng/ml |
| Zolpidem | 4.917 | 3313226 | 174123.2 | 28.9 | ∞ | 1463822 | 114.165 ng/ml |

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\072821\QuantResults\mdq.batch.bin
Last Cal. Update 7/29/2021 8:19 AM
Analyst Name ISP\datastor
Analyte 6-MAM **Internal Standard** 6-MAM-D6

6-MAM - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



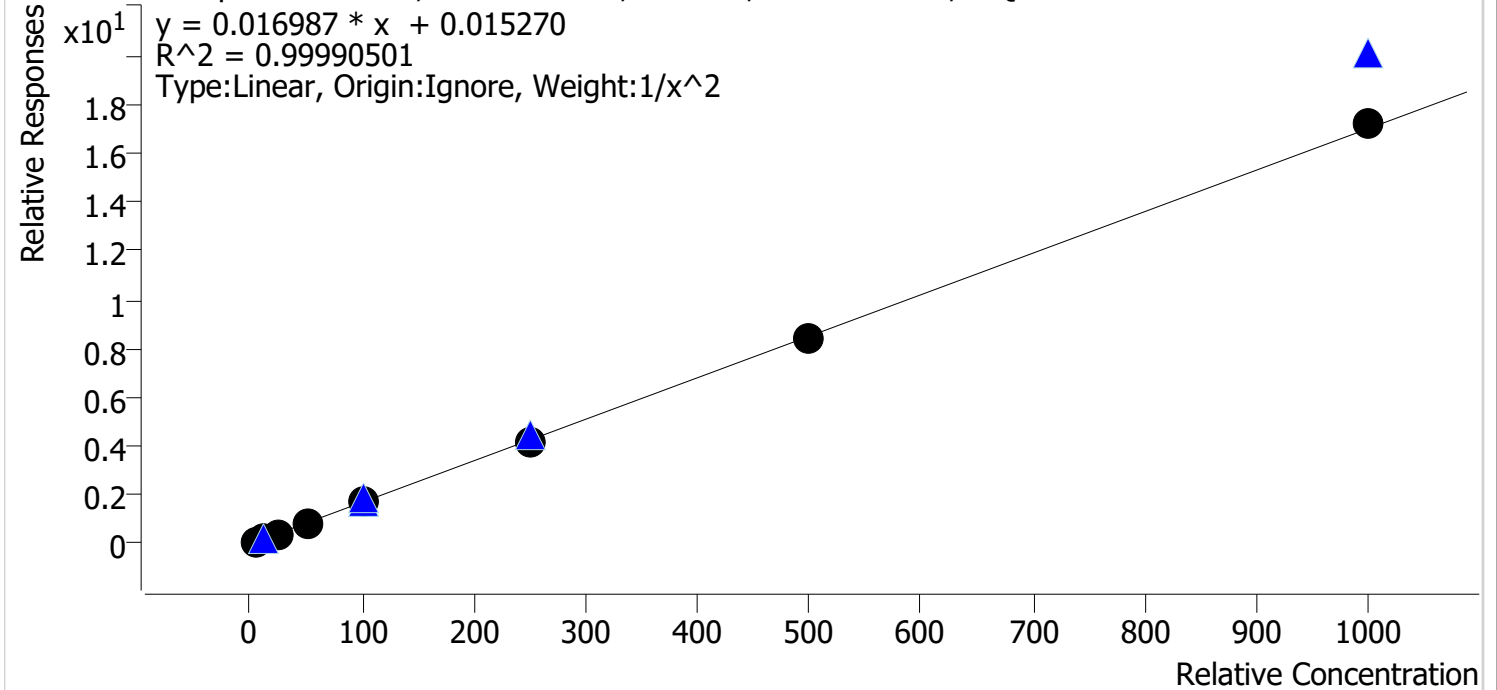
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1 | ✓ | 0.5 | 0.5 | 99.0 |
| cal 2 mdq | 2 | ✓ | 1.0 | 1.0 | 104.7 |
| cal 3 mdq | 3 | ✓ | 2.5 | 2.4 | 94.9 |
| cal 4 mdq | 4 | ✓ | 5.0 | 4.9 | 97.6 |
| cal 5 mdq | 5 | ✓ | 10.0 | 9.6 | 95.7 |
| cal 6 mdq | 6 | ✓ | 25.0 | 25.3 | 101.0 |
| cal 7 mdq | 7 | ✓ | 50.0 | 51.9 | 103.8 |
| cal 8 mdq | 8 | ✓ | 100.0 | 103.1 | 103.1 |

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\072821\QuantResults\mdq.batch.bin
Last Cal. Update 7/29/2021 8:19 AM
Analyst Name ISP\datastor
Analyte 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4

7-aminoclonazepam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1 | ✓ | 5.0 | 5.0 | 99.8 |
| cal 2 mdq | 2 | ✓ | 10.0 | 10.0 | 100.5 |
| cal 3 mdq | 3 | ✓ | 25.0 | 25.0 | 100.2 |
| cal 4 mdq | 4 | ✓ | 50.0 | 49.6 | 99.3 |
| cal 5 mdq | 5 | ✓ | 100.0 | 100.3 | 100.3 |
| cal 6 mdq | 6 | ✓ | 250.0 | 247.1 | 98.8 |
| cal 7 mdq | 7 | ✓ | 500.0 | 497.8 | 99.6 |
| cal 8 mdq | 8 | ✓ | 1000.0 | 1015.9 | 101.6 |

Compound Calibration Report

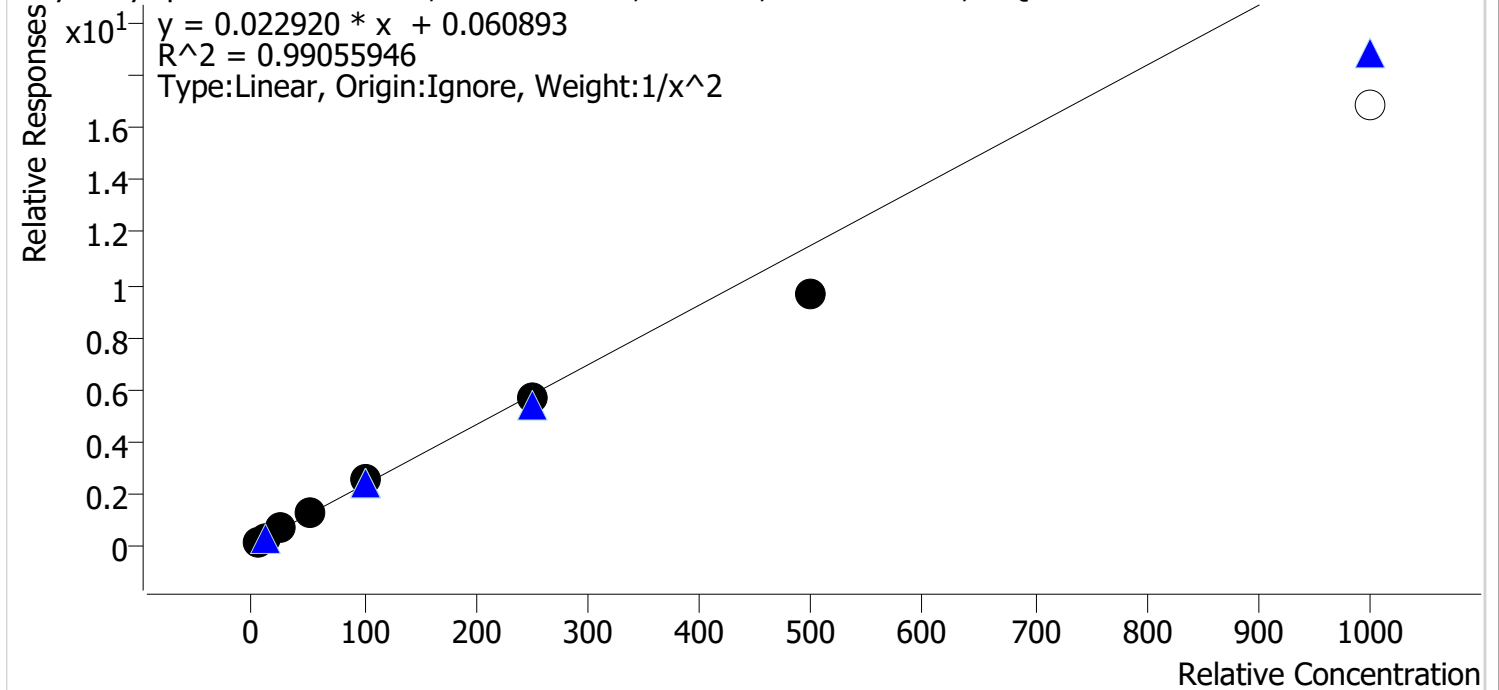


Batch results D:\MassHunter\Data\2021\am 27-28\072821\QuantResults\mdq.batch.bin
Last Cal. Update 7/29/2021 8:19 AM
Analyst Name ISP\datastor
Analyte a-hydroxyalprazolam

Internal Standard

Clonazepam-D4

a-hydroxyalprazolam - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 5 QCs



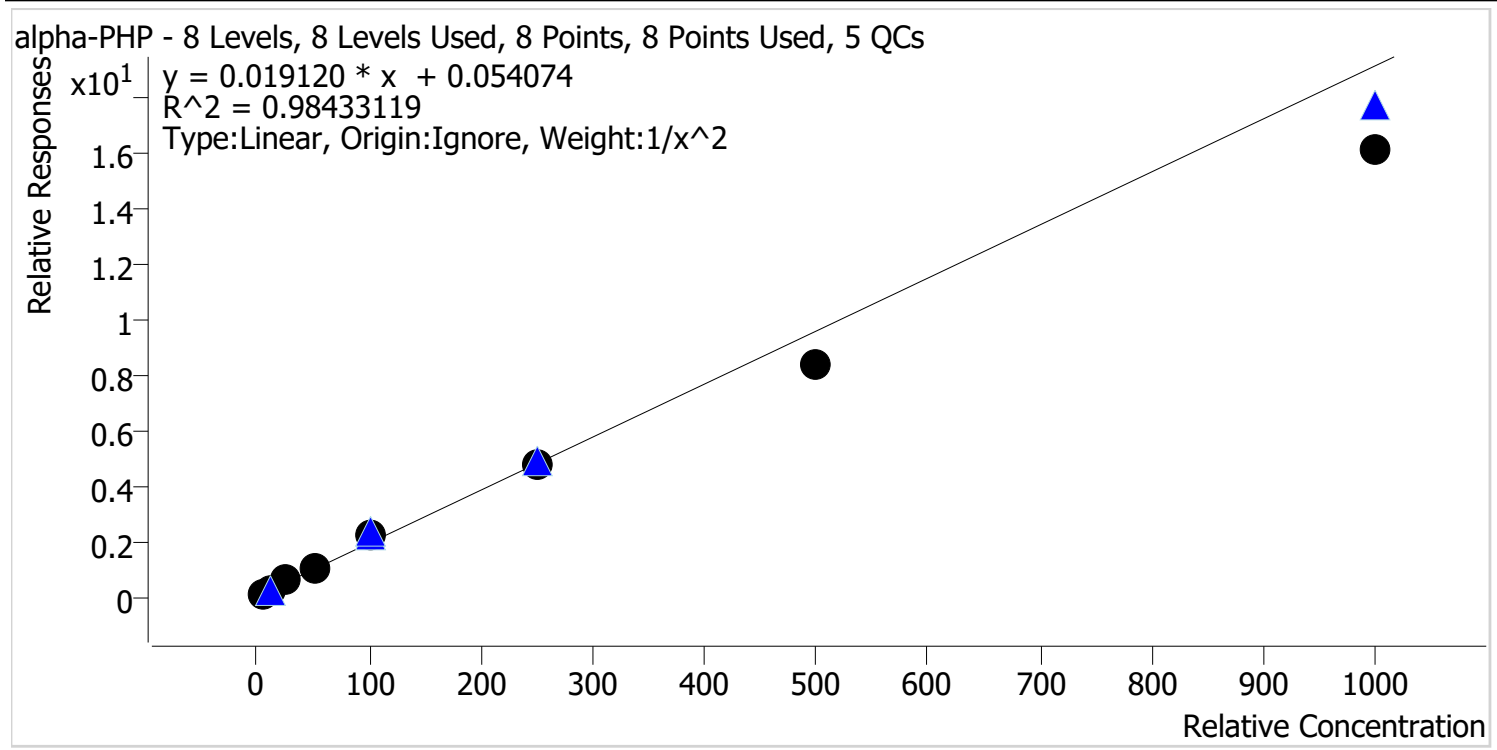
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1 | ✓ | 5.0 | 5.0 | 99.1 |
| cal 2 mdq | 2 | ✓ | 10.0 | 9.9 | 98.7 |
| cal 3 mdq | 3 | ✓ | 25.0 | 25.9 | 103.6 |
| cal 4 mdq | 4 | ✓ | 50.0 | 52.4 | 104.8 |
| cal 5 mdq | 5 | ✓ | 100.0 | 111.0 | 111.0 |
| cal 6 mdq | 6 | ✓ | 250.0 | 246.3 | 98.5 |
| cal 7 mdq | 7 | ✓ | 500.0 | 421.4 | 84.3 |
| cal 8 mdq | 8 | x | 1000.0 | 731.0 | 73.1 |

cal 8 dropped accuracy

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\072821\QuantResults\mdq.batch.bin
Last Cal. Update 7/29/2021 8:19 AM
Analyst Name ISP\datastor
Analyte alpha-PHP **Internal Standard** Bupropion-D9



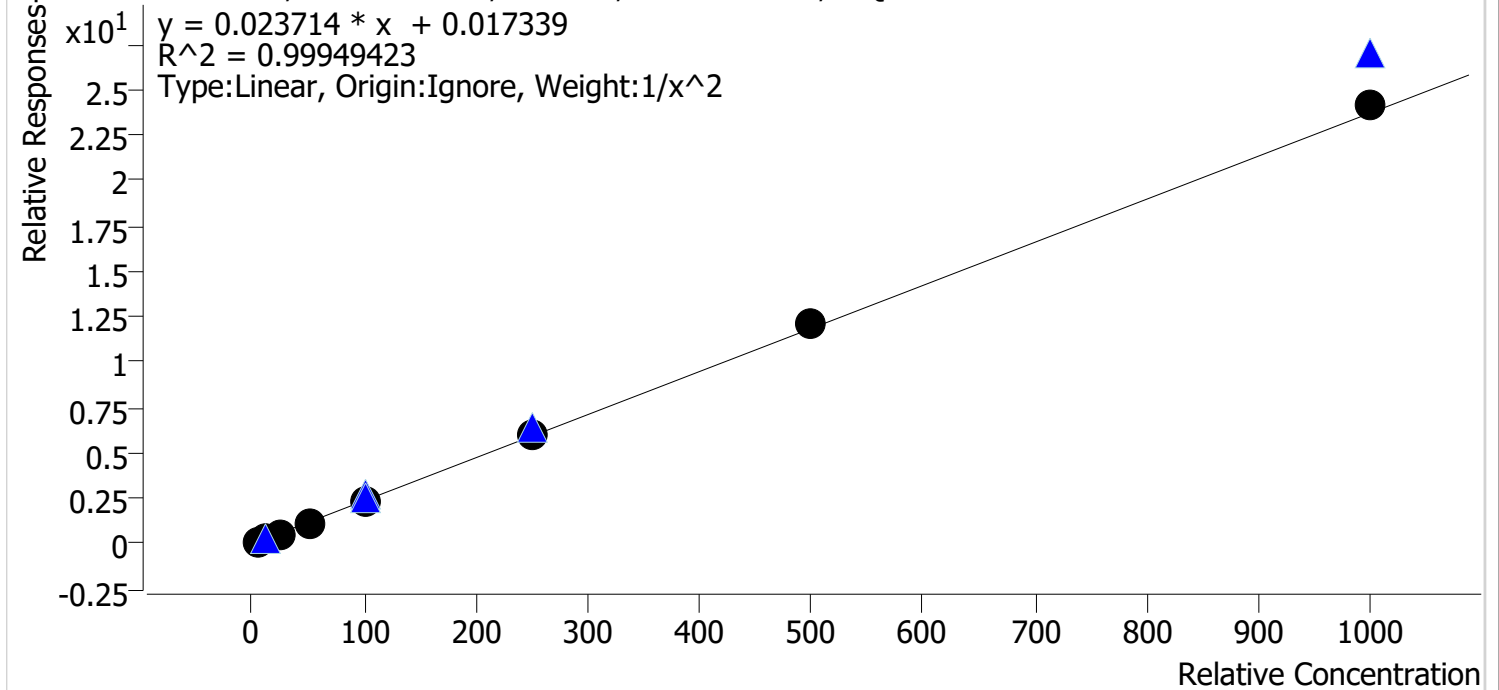
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1 | ✓ | 5.0 | 4.7 | 93.8 |
| cal 2 mdq | 2 | ✓ | 10.0 | 10.6 | 105.5 |
| cal 3 mdq | 3 | ✓ | 25.0 | 28.3 | 113.3 |
| cal 4 mdq | 4 | ✓ | 50.0 | 51.6 | 103.1 |
| cal 5 mdq | 5 | ✓ | 100.0 | 112.8 | 112.8 |
| cal 6 mdq | 6 | ✓ | 250.0 | 250.8 | 100.3 |
| cal 7 mdq | 7 | ✓ | 500.0 | 435.4 | 87.1 |
| cal 8 mdq | 8 | ✓ | 1000.0 | 840.6 | 84.1 |

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\072821\QuantResults\mdq.batch.bin
Last Cal. Update 7/29/2021 8:19 AM
Analyst Name ISP\datastor
Analyte alpha-PVP **Internal Standard** alpha-PVP-d8

alpha-PVP - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



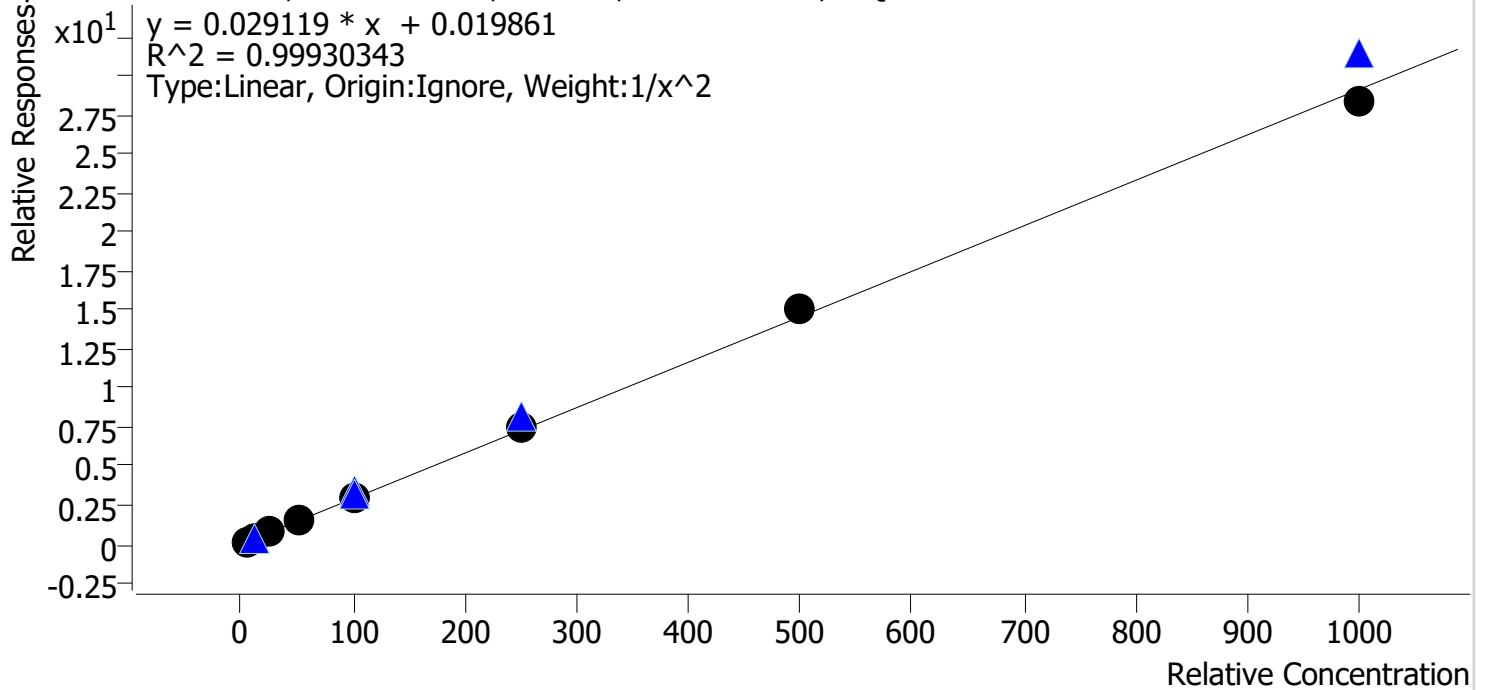
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1 | ✓ | 5.0 | 5.0 | 99.9 |
| cal 2 mdq | 2 | ✓ | 10.0 | 10.2 | 101.6 |
| cal 3 mdq | 3 | ✓ | 25.0 | 24.3 | 97.4 |
| cal 4 mdq | 4 | ✓ | 50.0 | 49.5 | 99.0 |
| cal 5 mdq | 5 | ✓ | 100.0 | 97.2 | 97.2 |
| cal 6 mdq | 6 | ✓ | 250.0 | 252.6 | 101.1 |
| cal 7 mdq | 7 | ✓ | 500.0 | 508.8 | 101.8 |
| cal 8 mdq | 8 | ✓ | 1000.0 | 1020.4 | 102.0 |

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\072821\QuantResults\mdq.batch.bin
Last Cal. Update 7/29/2021 8:19 AM
Analyst Name ISP\datastor
Analyte Alprazolam **Internal Standard** Alprazolam-D5

Alprazolam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



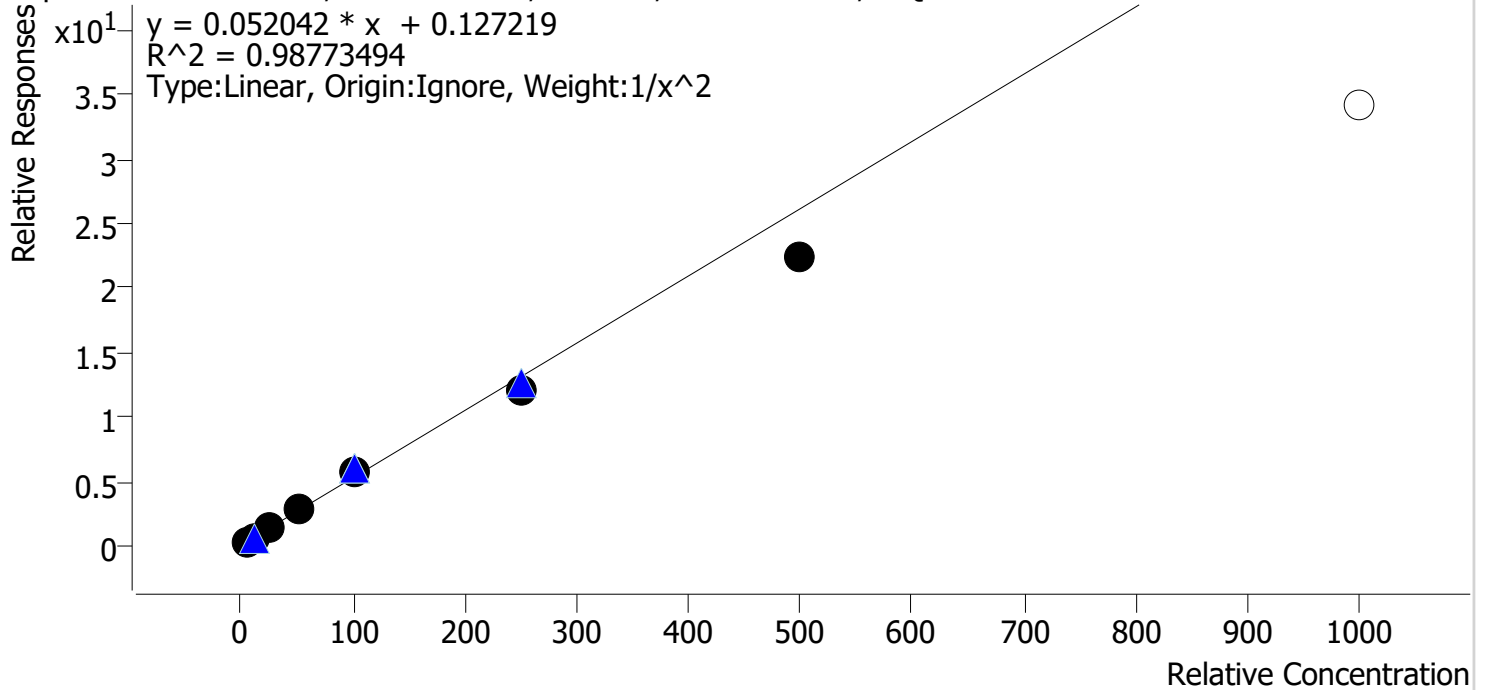
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1 | ✓ | 5.0 | 5.0 | 100.0 |
| cal 2 mdq | 2 | ✓ | 10.0 | 10.1 | 101.3 |
| cal 3 mdq | 3 | ✓ | 25.0 | 24.2 | 96.8 |
| cal 4 mdq | 4 | ✓ | 50.0 | 50.4 | 100.8 |
| cal 5 mdq | 5 | ✓ | 100.0 | 98.3 | 98.3 |
| cal 6 mdq | 6 | ✓ | 250.0 | 252.6 | 101.0 |
| cal 7 mdq | 7 | ✓ | 500.0 | 519.7 | 103.9 |
| cal 8 mdq | 8 | ✓ | 1000.0 | 978.2 | 97.8 |

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\072821\QuantResults\mdq.batch.bin
Last Cal. Update 7/29/2021 8:19 AM
Analyst Name ISP\datastor
Analyte Amphetamine **Internal Standard** Amphetamine-D11

Amphetamine - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 5 QCs



| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1 | ✓ | 5.0 | 4.7 | 93.4 |
| cal 2 mdq | 2 | ✓ | 10.0 | 10.9 | 109.1 |
| cal 3 mdq | 3 | ✓ | 25.0 | 26.8 | 107.1 |
| cal 4 mdq | 4 | ✓ | 50.0 | 52.6 | 105.2 |
| cal 5 mdq | 5 | ✓ | 100.0 | 107.3 | 107.3 |
| cal 6 mdq | 6 | ✓ | 250.0 | 231.6 | 92.7 |
| cal 7 mdq | 7 | ✓ | 500.0 | 425.7 | 85.1 |
| cal 8 mdq | 8 | ✗ | 1000.0 | 656.7 | 65.7 |

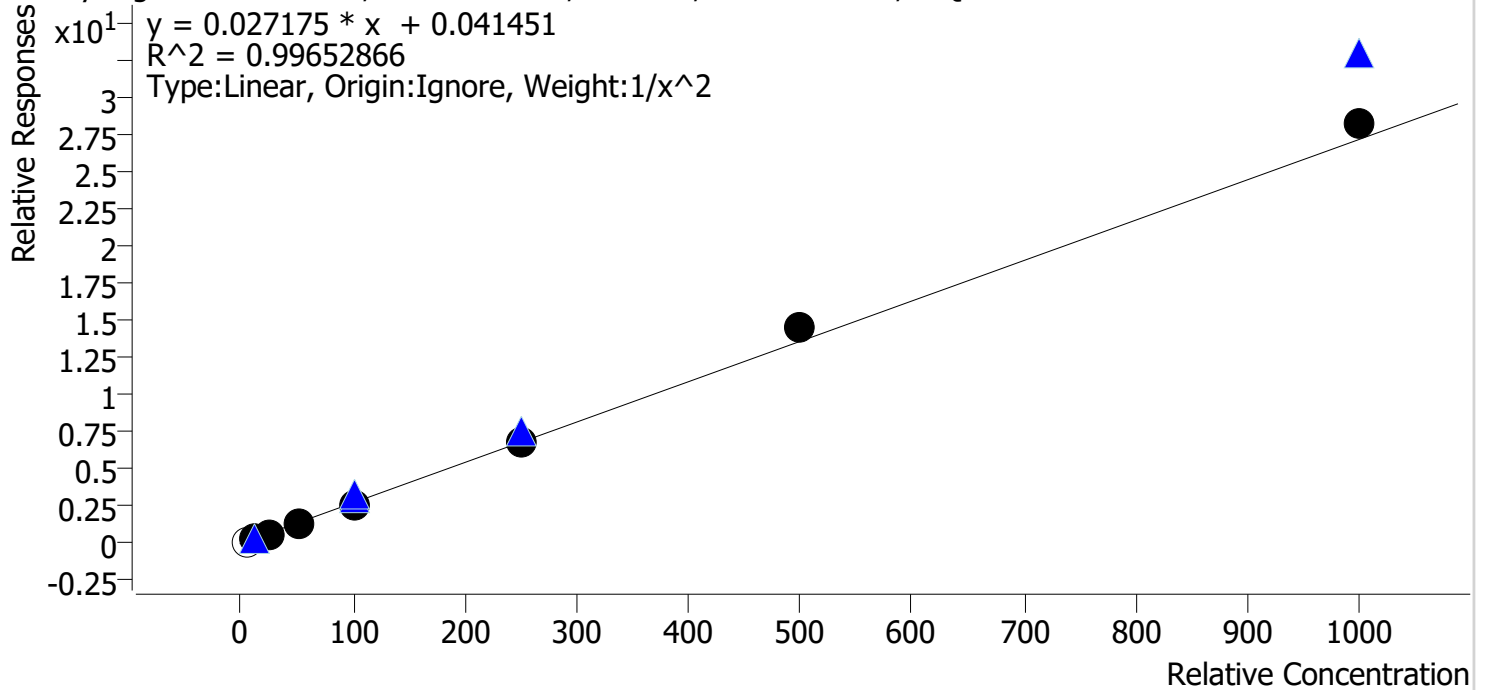
cal 8 dropped accuracy

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\072821\QuantResults\mdq.batch.bin
Last Cal. Update 7/29/2021 8:19 AM
Analyst Name ISP\datastor
Analyte Benzoylecgonine **Internal Standard** Benzoylecgonine-d8

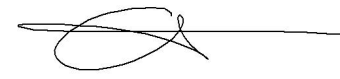
Benzoylecgonine - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 5 QCs



| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1 | x | 5.0 | 3.6 | 71.7 |
| cal 2 mdq | 2 | ✓ | 10.0 | 10.3 | 102.8 |
| cal 3 mdq | 3 | ✓ | 25.0 | 24.4 | 97.5 |
| cal 4 mdq | 4 | ✓ | 50.0 | 45.5 | 91.0 |
| cal 5 mdq | 5 | ✓ | 100.0 | 97.9 | 97.9 |
| cal 6 mdq | 6 | ✓ | 250.0 | 252.2 | 100.9 |
| cal 7 mdq | 7 | ✓ | 500.0 | 531.3 | 106.3 |
| cal 8 mdq | 8 | ✓ | 1000.0 | 1036.7 | 103.7 |

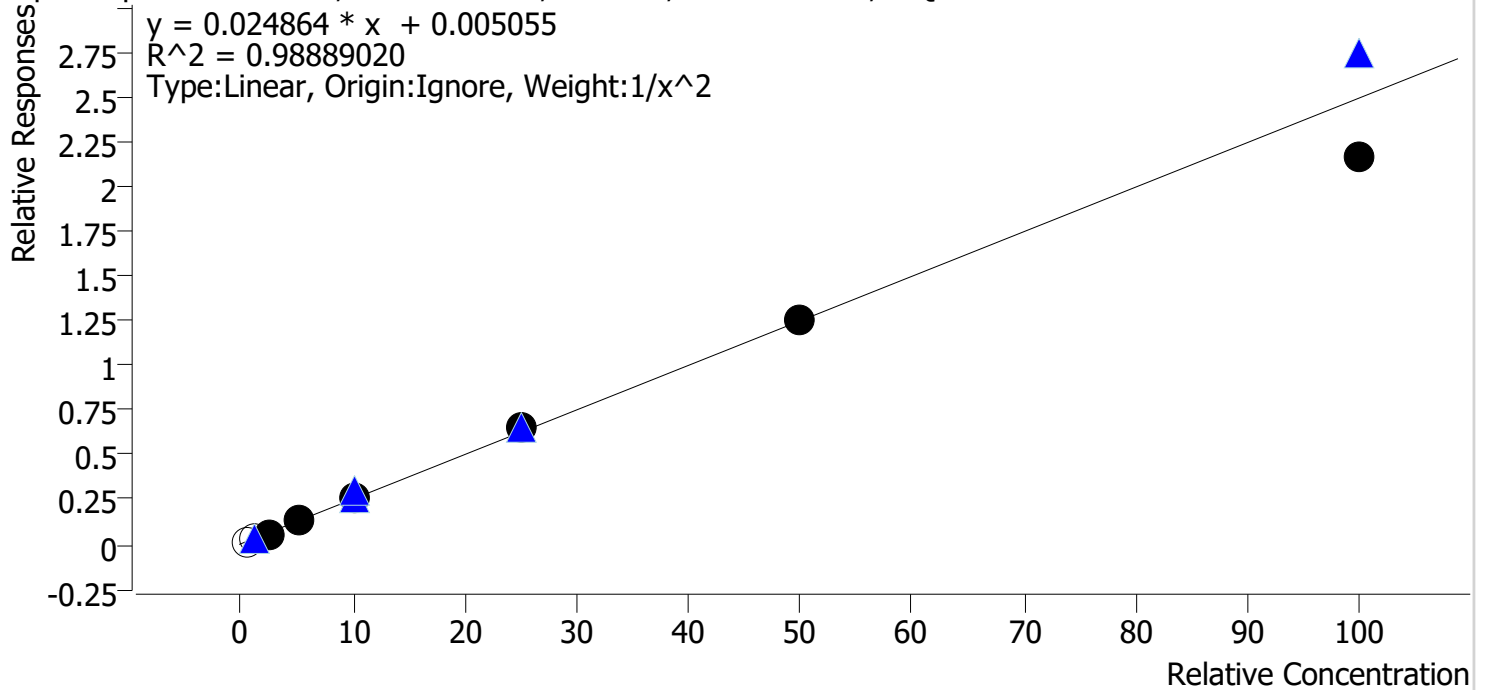
cal 1 dropped ratio

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\072821\QuantResults\mdq.batch.bin
Last Cal. Update 7/29/2021 8:19 AM
Analyst Name ISP\datastor
Analyte Buprenorphine **Internal Standard** Buprenorphine-D4

Buprenorphine - 8 Levels, 6 Levels Used, 8 Points, 6 Points Used, 5 QCs



| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1 | x | 0.5 | 0.4 | 83.0 |
| cal 2 mdq | 2 | x | 1.0 | 1.1 | 110.2 |
| cal 3 mdq | 3 | ✓ | 2.5 | 2.3 | 93.7 |
| cal 4 mdq | 4 | ✓ | 5.0 | 5.5 | 110.8 |
| cal 5 mdq | 5 | ✓ | 10.0 | 10.3 | 102.6 |
| cal 6 mdq | 6 | ✓ | 25.0 | 26.5 | 105.8 |
| cal 7 mdq | 7 | ✓ | 50.0 | 50.0 | 99.9 |
| cal 8 mdq | 8 | ✓ | 100.0 | 87.2 | 87.2 |

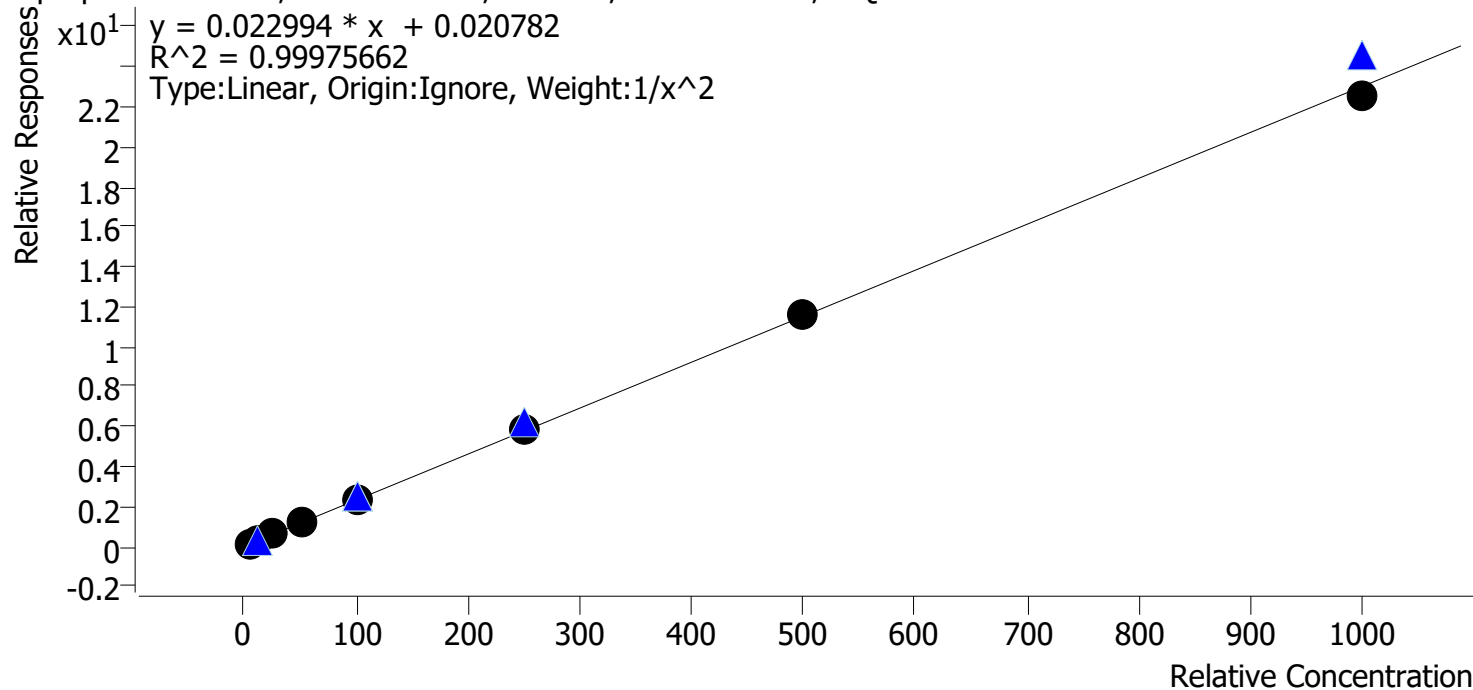
cal 1 and 2 dropped poor peak shape and ratio out of range in 1 ng control

Compound Calibration Report



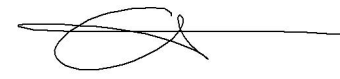
Batch results D:\MassHunter\Data\2021\am 27-28\072821\QuantResults\mdq.batch.bin
Last Cal. Update 7/29/2021 8:19 AM
Analyst Name ISP\datastor
Analyte Bupropion **Internal Standard** Bupropion-D9

Bupropion - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 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 | 99.6 |
| cal 3 mdq | 3 | ✓ | 25.0 | 25.1 | 100.4 |
| cal 4 mdq | 4 | ✓ | 50.0 | 49.0 | 98.0 |
| cal 5 mdq | 5 | ✓ | 100.0 | 102.0 | 102.0 |
| cal 6 mdq | 6 | ✓ | 250.0 | 252.1 | 100.8 |
| cal 7 mdq | 7 | ✓ | 500.0 | 503.9 | 100.8 |
| cal 8 mdq | 8 | ✓ | 1000.0 | 982.1 | 98.2 |

Compound Calibration Report

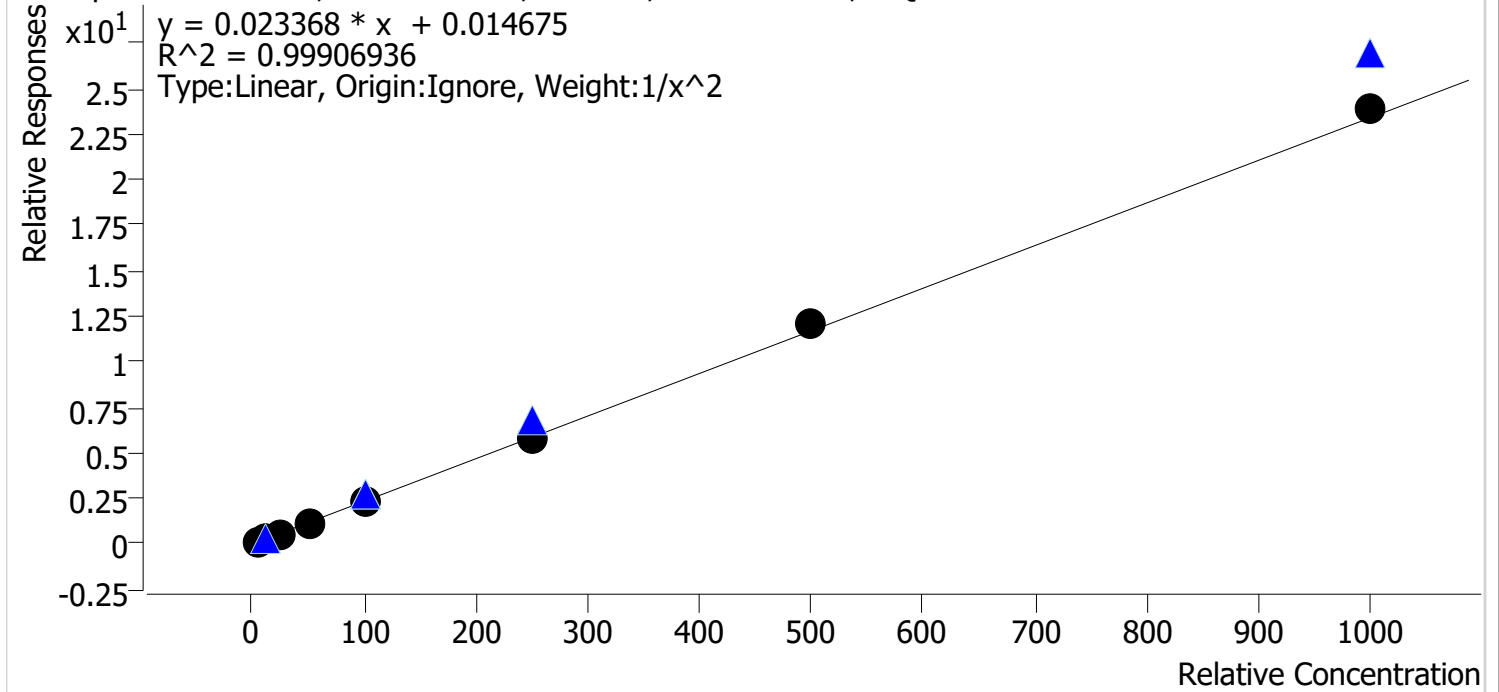


Batch results D:\MassHunter\Data\2021\am 27-28\072821\QuantResults\mdq.batch.bin
Last Cal. Update 7/29/2021 8:19 AM
Analyst Name ISP\datastor
Analyte Carisoprodol

Internal Standard

Carisoprodol-D7

Carisoprodol - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



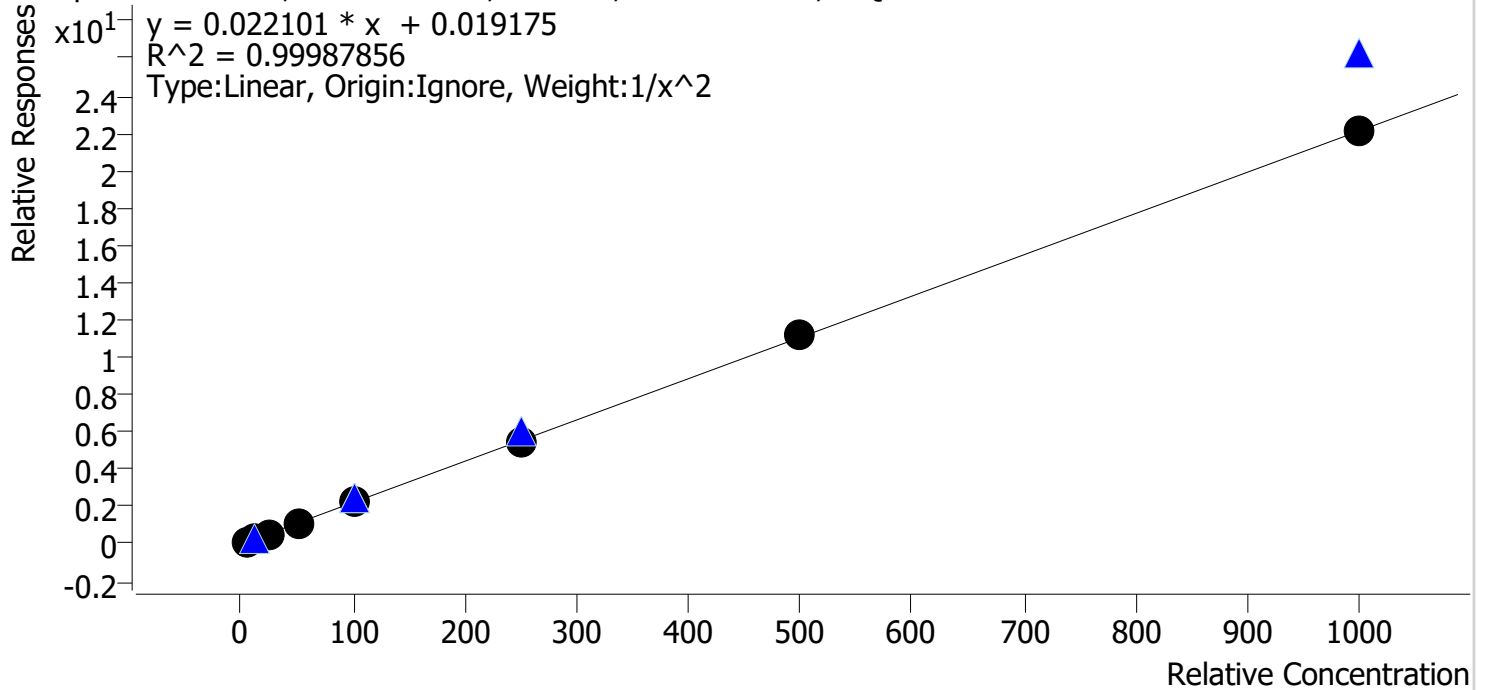
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1 | ✓ | 5.0 | 5.1 | 102.7 |
| cal 2 mdq | 2 | ✓ | 10.0 | 9.6 | 95.9 |
| cal 3 mdq | 3 | ✓ | 25.0 | 24.1 | 96.4 |
| cal 4 mdq | 4 | ✓ | 50.0 | 50.1 | 100.2 |
| cal 5 mdq | 5 | ✓ | 100.0 | 100.2 | 100.2 |
| cal 6 mdq | 6 | ✓ | 250.0 | 249.7 | 99.9 |
| cal 7 mdq | 7 | ✓ | 500.0 | 514.3 | 102.9 |
| cal 8 mdq | 8 | ✓ | 1000.0 | 1018.8 | 101.9 |

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\072821\QuantResults\mdq.batch.bin
Last Cal. Update 7/29/2021 8:19 AM
Analyst Name ISP\datastor
Analyte Citalopram **Internal Standard** Citalopram-D6

Citalopram - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 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 | 10.1 | 100.6 |
| cal 3 mdq | 3 | ✓ | 25.0 | 24.8 | 99.0 |
| cal 4 mdq | 4 | ✓ | 50.0 | 49.8 | 99.6 |
| cal 5 mdq | 5 | ✓ | 100.0 | 99.2 | 99.2 |
| cal 6 mdq | 6 | ✓ | 250.0 | 248.7 | 99.5 |
| cal 7 mdq | 7 | ✓ | 500.0 | 510.1 | 102.0 |
| cal 8 mdq | 8 | ✓ | 1000.0 | 1000.5 | 100.1 |

Compound Calibration Report

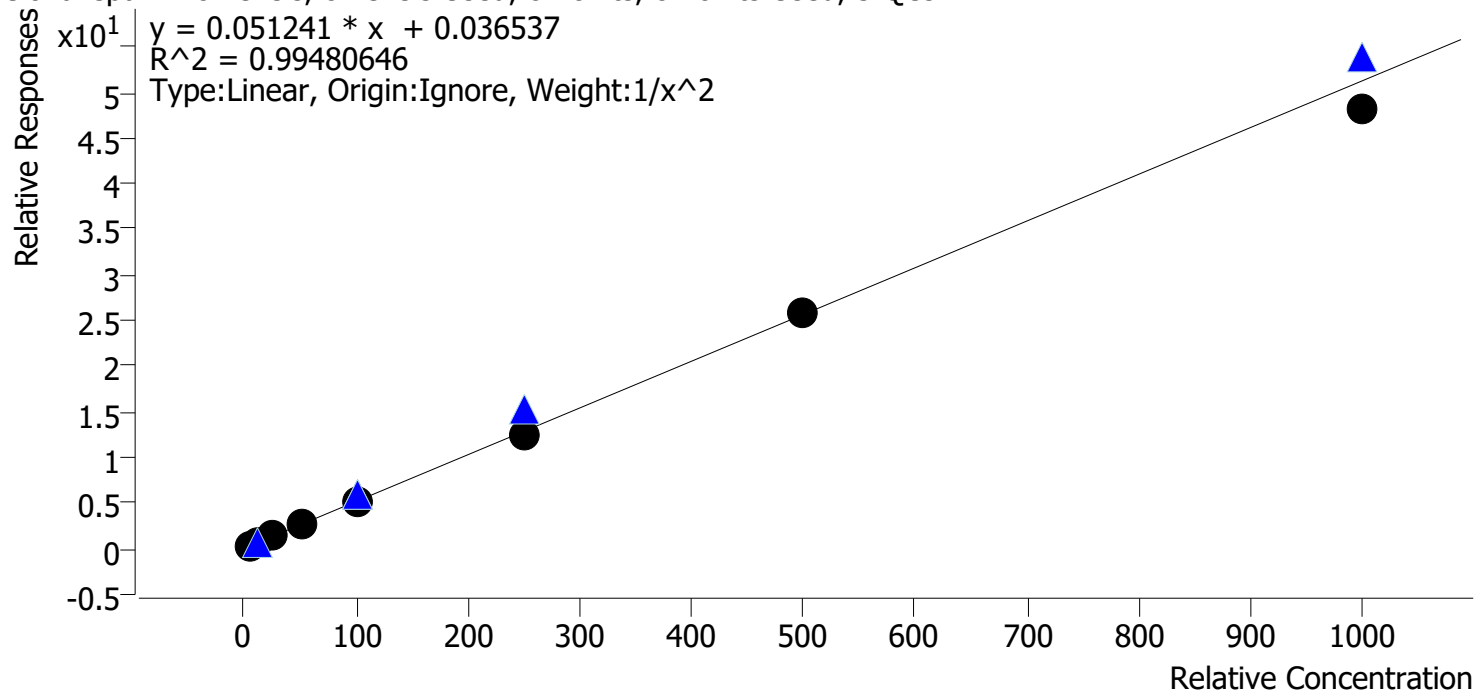


Batch results D:\MassHunter\Data\2021\am 27-28\072821\QuantResults\mdq.batch.bin
Last Cal. Update 7/29/2021 8:19 AM
Analyst Name ISP\datastor
Analyte Clonazepam

Internal Standard

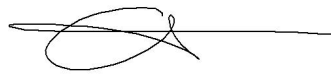
Clonazepam-D4

Clonazepam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



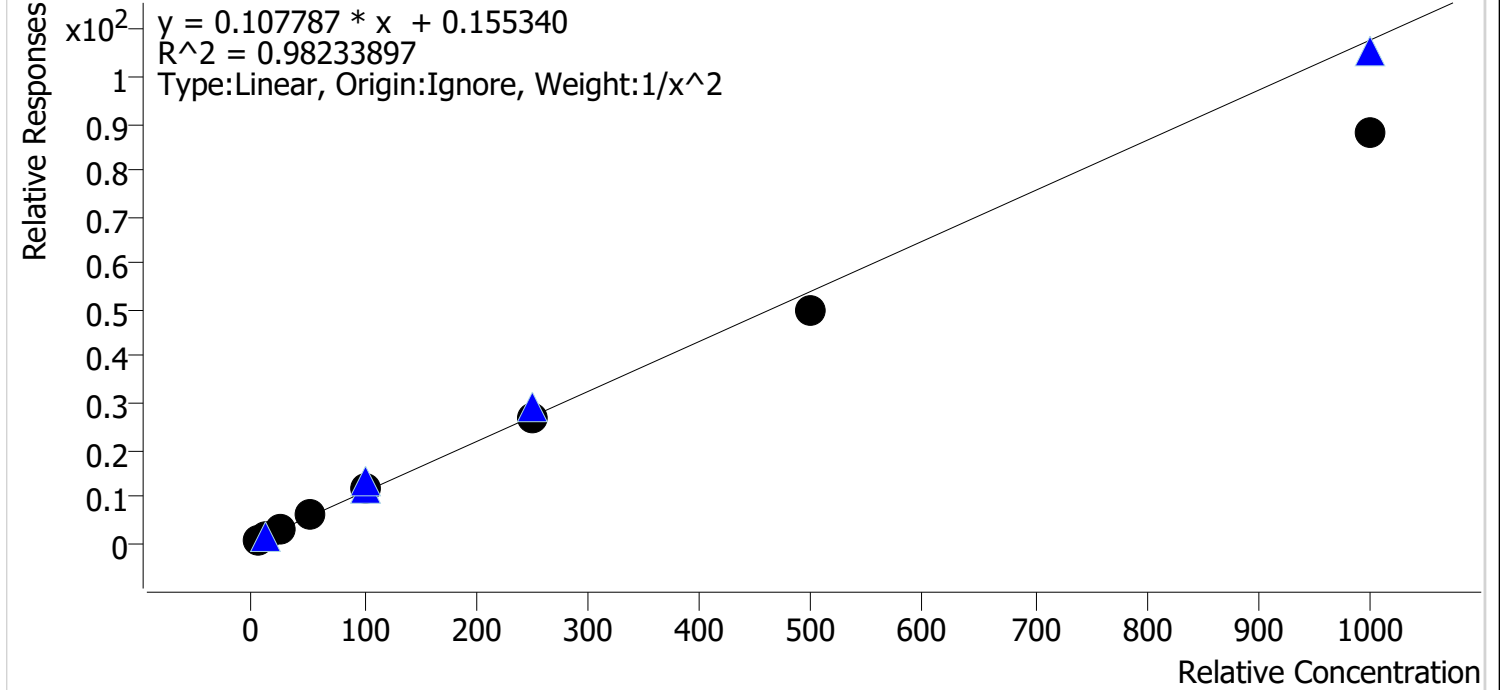
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1 | ✓ | 5.0 | 5.2 | 103.9 |
| cal 2 mdq | 2 | ✓ | 10.0 | 8.9 | 88.5 |
| cal 3 mdq | 3 | ✓ | 25.0 | 26.2 | 104.8 |
| cal 4 mdq | 4 | ✓ | 50.0 | 54.0 | 107.9 |
| cal 5 mdq | 5 | ✓ | 100.0 | 102.5 | 102.5 |
| cal 6 mdq | 6 | ✓ | 250.0 | 245.0 | 98.0 |
| cal 7 mdq | 7 | ✓ | 500.0 | 499.9 | 100.0 |
| cal 8 mdq | 8 | ✓ | 1000.0 | 943.5 | 94.3 |

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\072821\QuantResults\mdq.batch.bin
Last Cal. Update 7/29/2021 8:19 AM
Analyst Name ISP\datastor
Analyte Clonazolam **Internal Standard** Clonazepam-D4

Clonazolam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



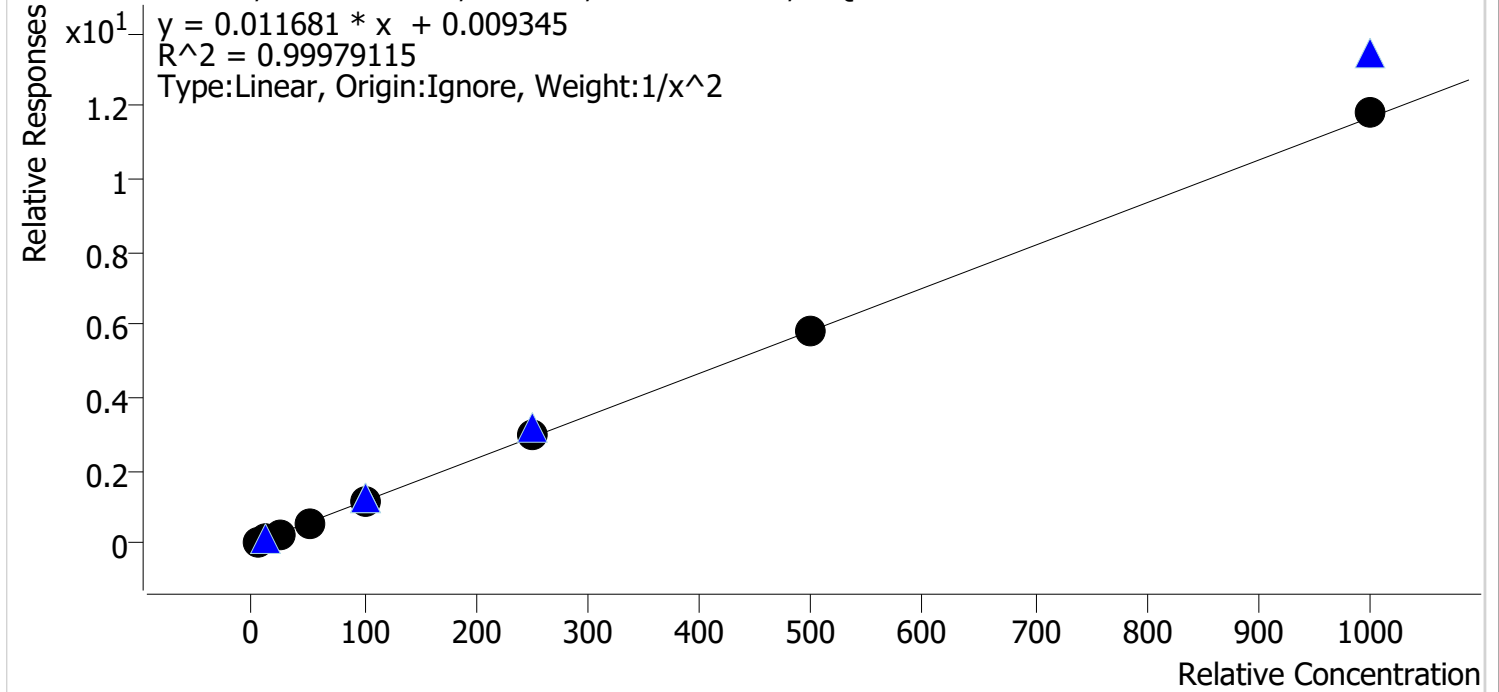
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1 | ✓ | 5.0 | 5.0 | 99.7 |
| cal 2 mdq | 2 | ✓ | 10.0 | 9.1 | 91.1 |
| cal 3 mdq | 3 | ✓ | 25.0 | 29.2 | 116.6 |
| cal 4 mdq | 4 | ✓ | 50.0 | 56.3 | 112.5 |
| cal 5 mdq | 5 | ✓ | 100.0 | 106.6 | 106.6 |
| cal 6 mdq | 6 | ✓ | 250.0 | 247.8 | 99.1 |
| cal 7 mdq | 7 | ✓ | 500.0 | 463.5 | 92.7 |
| cal 8 mdq | 8 | ✓ | 1000.0 | 816.2 | 81.6 |

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\072821\QuantResults\mdq.batch.bin
Last Cal. Update 7/29/2021 8:19 AM
Analyst Name ISP\datastor
Analyte Cocaine **Internal Standard** Cocaine-d3

Cocaine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



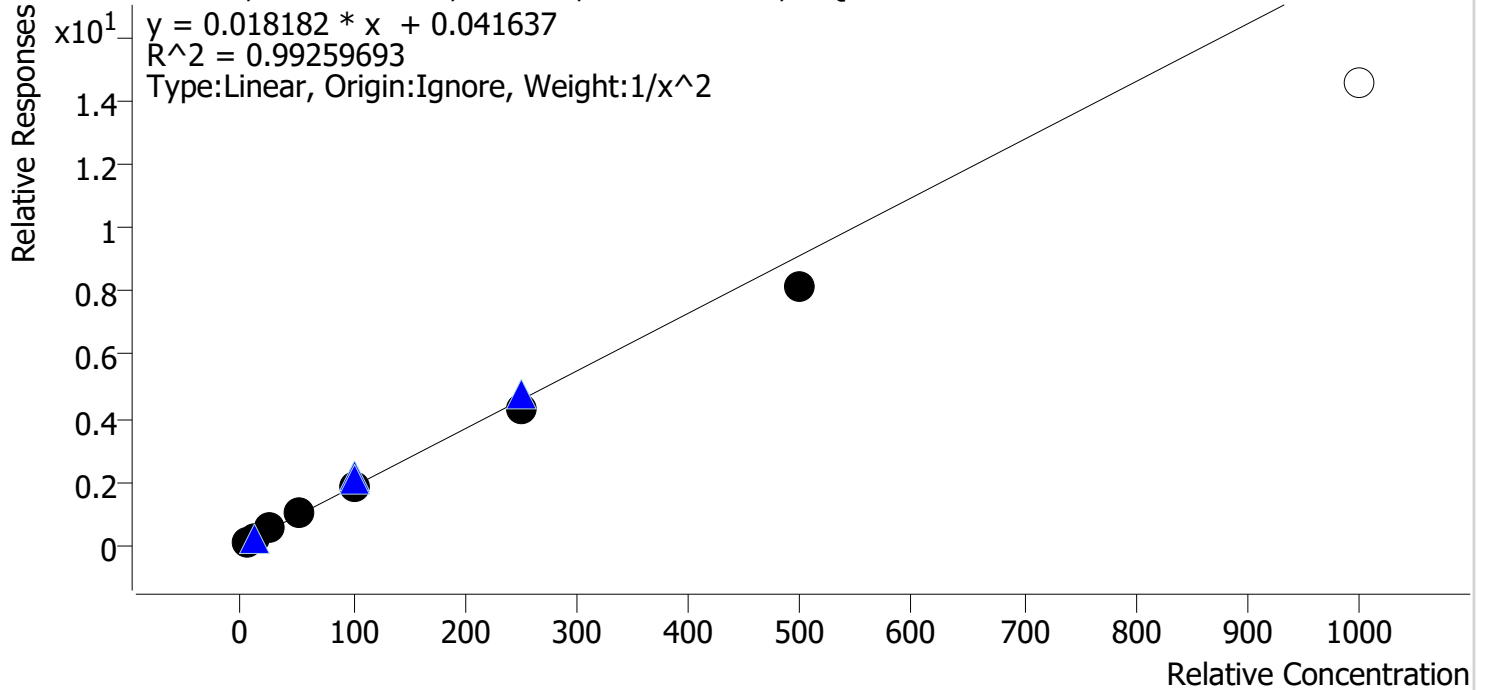
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1 | ✓ | 5.0 | 5.0 | 99.7 |
| cal 2 mdq | 2 | ✓ | 10.0 | 10.2 | 101.5 |
| cal 3 mdq | 3 | ✓ | 25.0 | 24.5 | 98.0 |
| cal 4 mdq | 4 | ✓ | 50.0 | 50.0 | 100.0 |
| cal 5 mdq | 5 | ✓ | 100.0 | 98.4 | 98.4 |
| cal 6 mdq | 6 | ✓ | 250.0 | 251.8 | 100.7 |
| cal 7 mdq | 7 | ✓ | 500.0 | 503.4 | 100.7 |
| cal 8 mdq | 8 | ✓ | 1000.0 | 1010.0 | 101.0 |

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\072821\QuantResults\mdq.batch.bin
Last Cal. Update 7/29/2021 8:19 AM
Analyst Name ISP\datastor
Analyte Codeine **Internal Standard** Codeine-D6

Codeine - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 5 QCs



| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1 | ✓ | 5.0 | 4.9 | 97.5 |
| cal 2 mdq | 2 | ✓ | 10.0 | 10.0 | 100.3 |
| cal 3 mdq | 3 | ✓ | 25.0 | 26.8 | 107.1 |
| cal 4 mdq | 4 | ✓ | 50.0 | 55.1 | 110.3 |
| cal 5 mdq | 5 | ✓ | 100.0 | 101.9 | 101.9 |
| cal 6 mdq | 6 | ✓ | 250.0 | 233.2 | 93.3 |
| cal 7 mdq | 7 | ✓ | 500.0 | 447.9 | 89.6 |
| cal 8 mdq | 8 | x | 1000.0 | 795.8 | 79.6 |

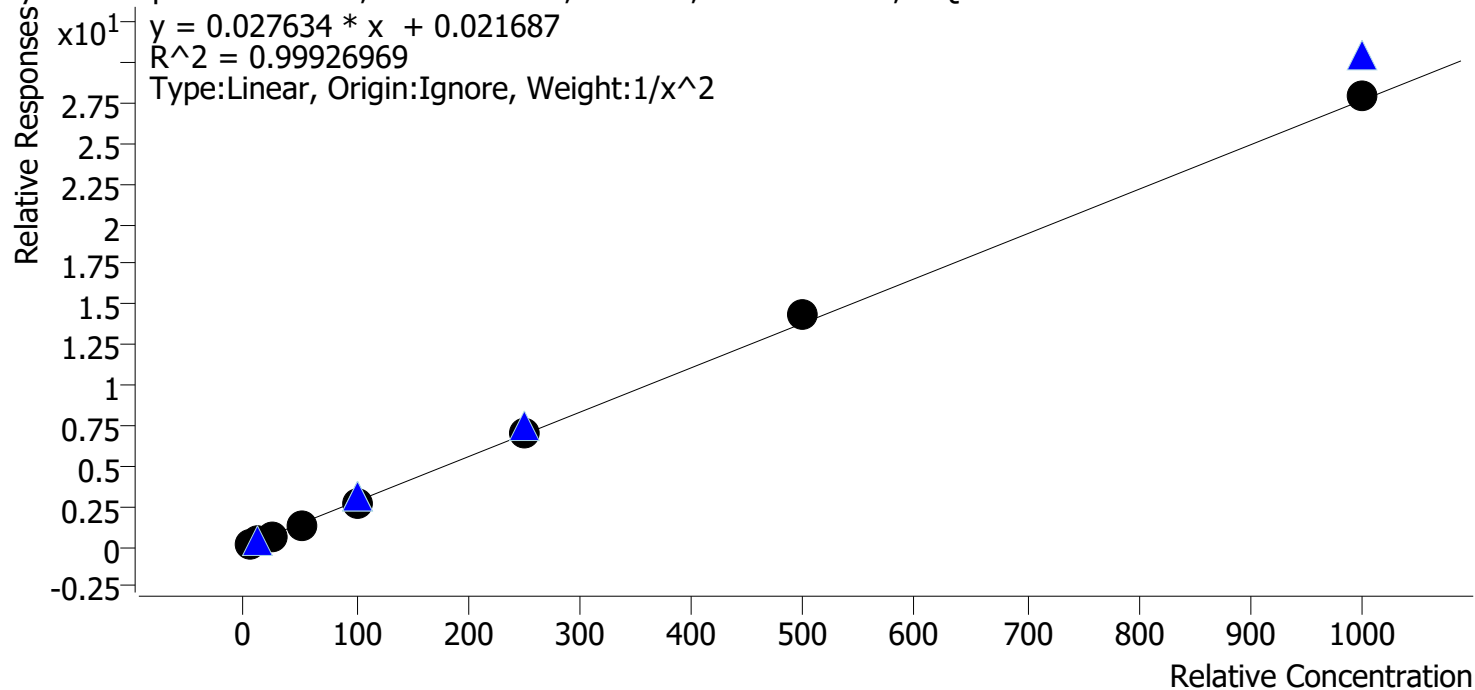
cal 8 dropped accuracy

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\072821\QuantResults\mdq.batch.bin
Last Cal. Update 7/29/2021 8:19 AM
Analyst Name ISP\datastor
Analyte Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3

Cyclobenzaprine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



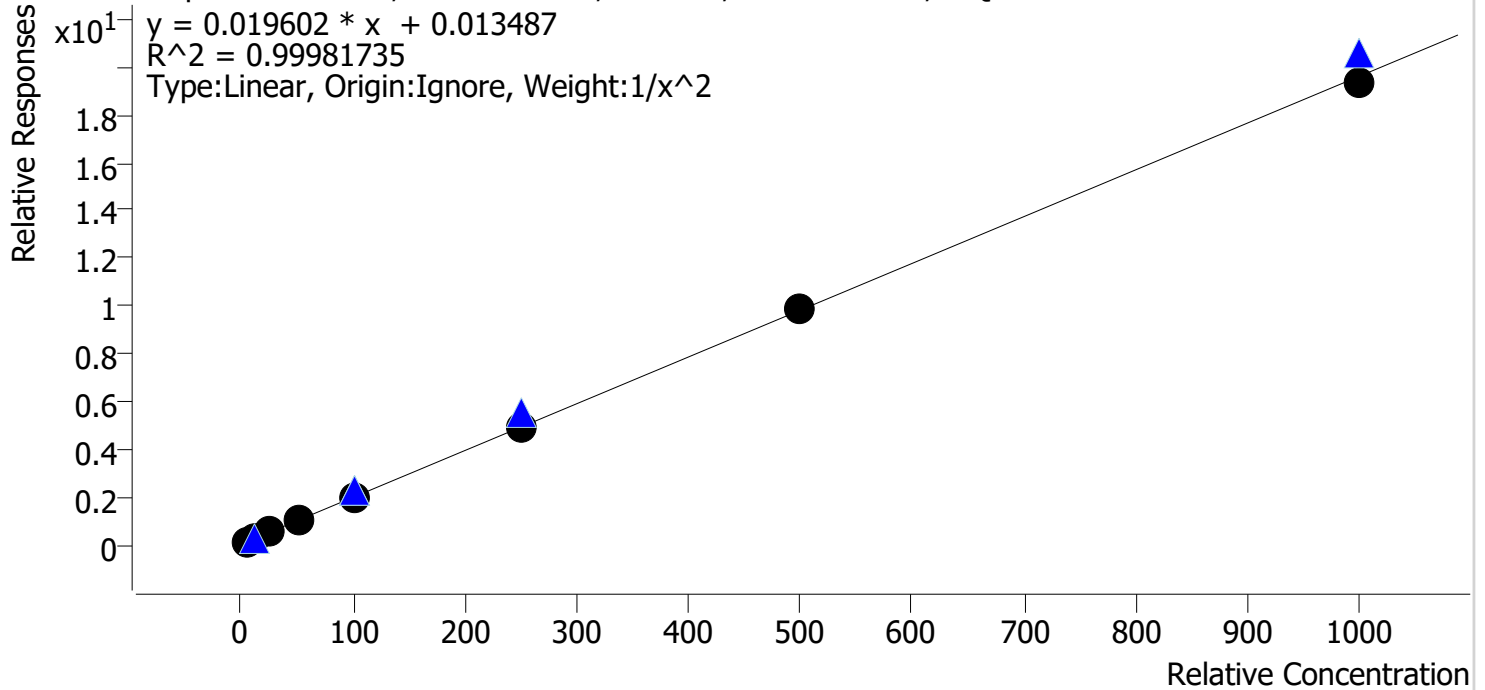
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1 | ✓ | 5.0 | 5.1 | 101.4 |
| cal 2 mdq | 2 | ✓ | 10.0 | 9.9 | 99.0 |
| cal 3 mdq | 3 | ✓ | 25.0 | 24.1 | 96.2 |
| cal 4 mdq | 4 | ✓ | 50.0 | 49.4 | 98.8 |
| cal 5 mdq | 5 | ✓ | 100.0 | 98.9 | 98.9 |
| cal 6 mdq | 6 | ✓ | 250.0 | 251.9 | 100.8 |
| cal 7 mdq | 7 | ✓ | 500.0 | 520.9 | 104.2 |
| cal 8 mdq | 8 | ✓ | 1000.0 | 1007.6 | 100.8 |

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\072821\QuantResults\mdq.batch.bin
Last Cal. Update 7/29/2021 8:19 AM
Analyst Name ISP\datastor
Analyte Dextromethorphan **Internal Standard** Dextromethorphan-D3

Dextromethorphan - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



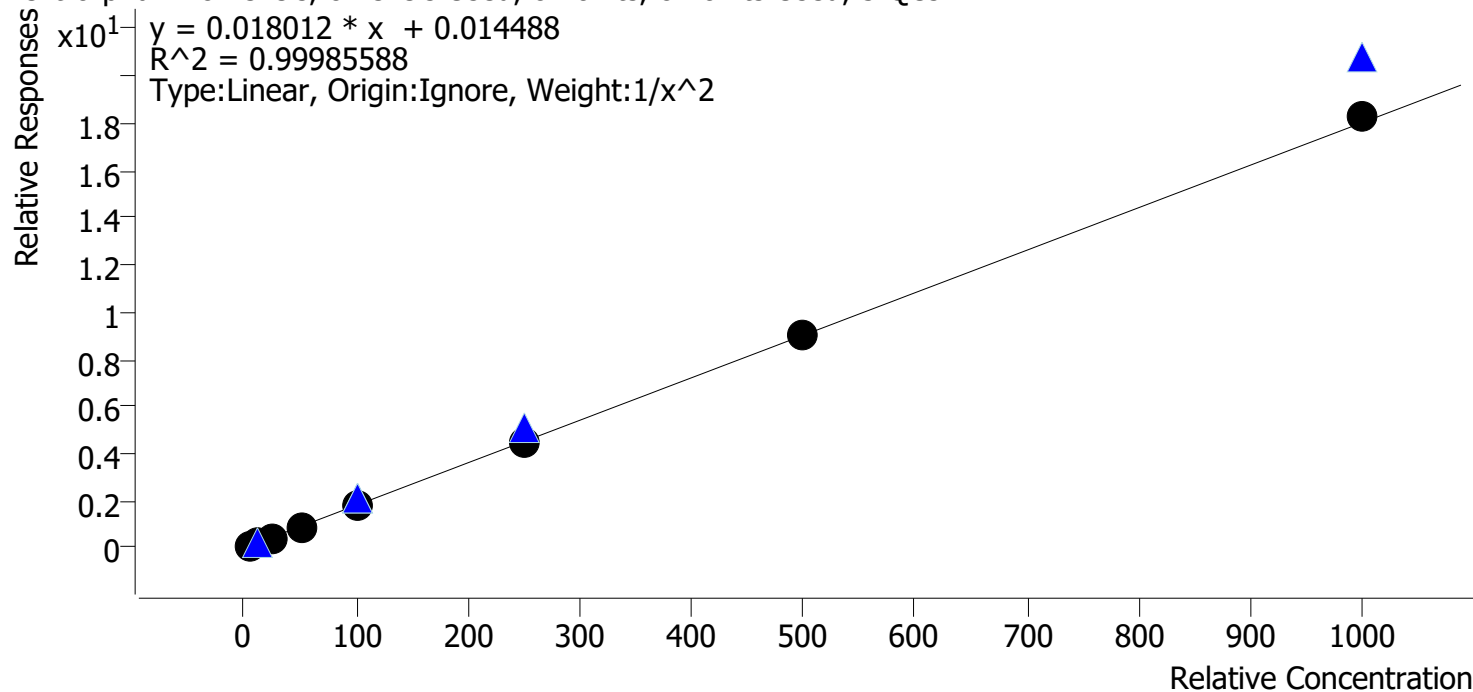
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1 | ✓ | 5.0 | 5.0 | 99.7 |
| cal 2 mdq | 2 | ✓ | 10.0 | 10.1 | 101.3 |
| cal 3 mdq | 3 | ✓ | 25.0 | 24.6 | 98.3 |
| cal 4 mdq | 4 | ✓ | 50.0 | 50.0 | 100.1 |
| cal 5 mdq | 5 | ✓ | 100.0 | 100.3 | 100.3 |
| cal 6 mdq | 6 | ✓ | 250.0 | 252.4 | 101.0 |
| cal 7 mdq | 7 | ✓ | 500.0 | 505.3 | 101.1 |
| cal 8 mdq | 8 | ✓ | 1000.0 | 983.6 | 98.4 |

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\072821\QuantResults\mdq.batch.bin
Last Cal. Update 7/29/2021 8:19 AM
Analyst Name ISP\datastor
Analyte Dextrorphan **Internal Standard** Dextrorphan-D3

Dextrorphan - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



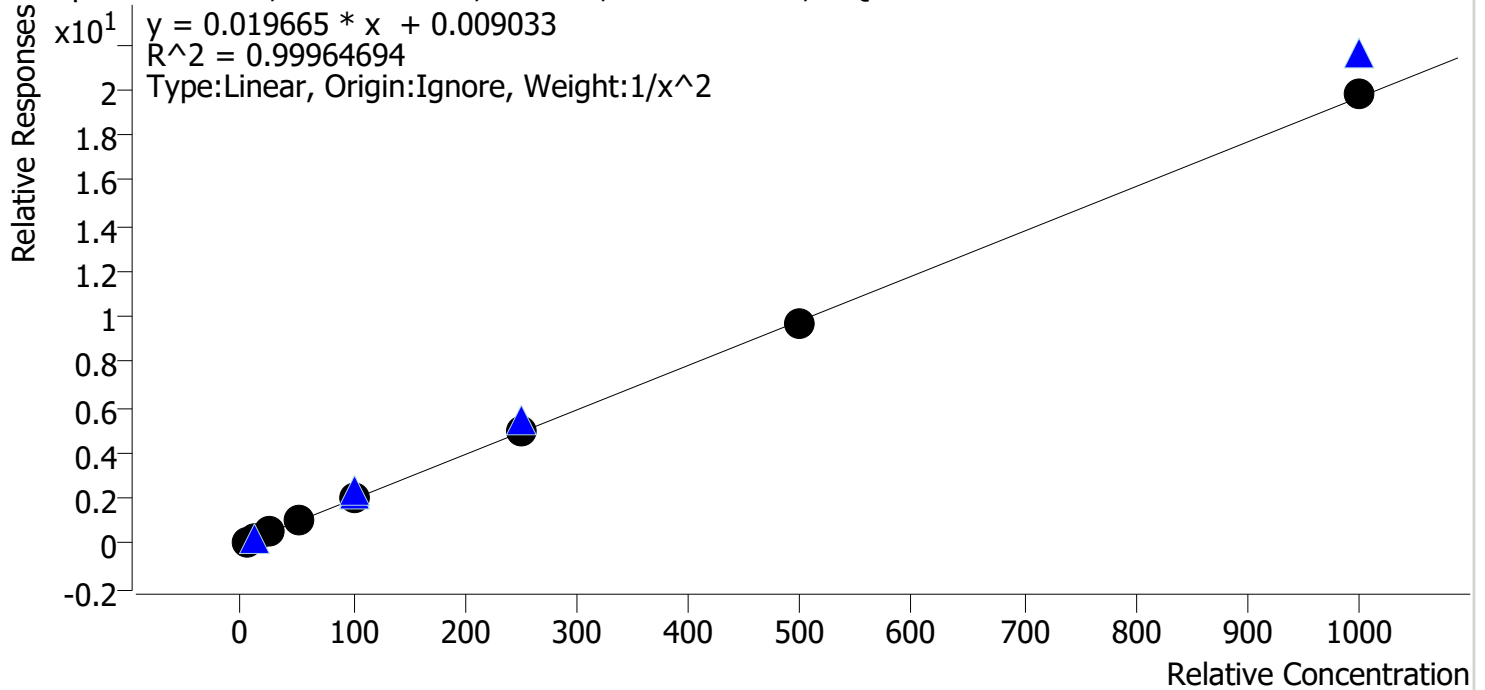
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1 | ✓ | 5.0 | 5.0 | 100.1 |
| cal 2 mdq | 2 | ✓ | 10.0 | 10.0 | 100.5 |
| cal 3 mdq | 3 | ✓ | 25.0 | 24.7 | 98.7 |
| cal 4 mdq | 4 | ✓ | 50.0 | 50.1 | 100.3 |
| cal 5 mdq | 5 | ✓ | 100.0 | 98.3 | 98.3 |
| cal 6 mdq | 6 | ✓ | 250.0 | 251.9 | 100.7 |
| cal 7 mdq | 7 | ✓ | 500.0 | 500.8 | 100.2 |
| cal 8 mdq | 8 | ✓ | 1000.0 | 1013.8 | 101.4 |

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\072821\QuantResults\mdq.batch.bin
Last Cal. Update 7/29/2021 8:19 AM
Analyst Name ISP\datastor
Analyte Diazepam **Internal Standard** Diazepam-D5

Diazepam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



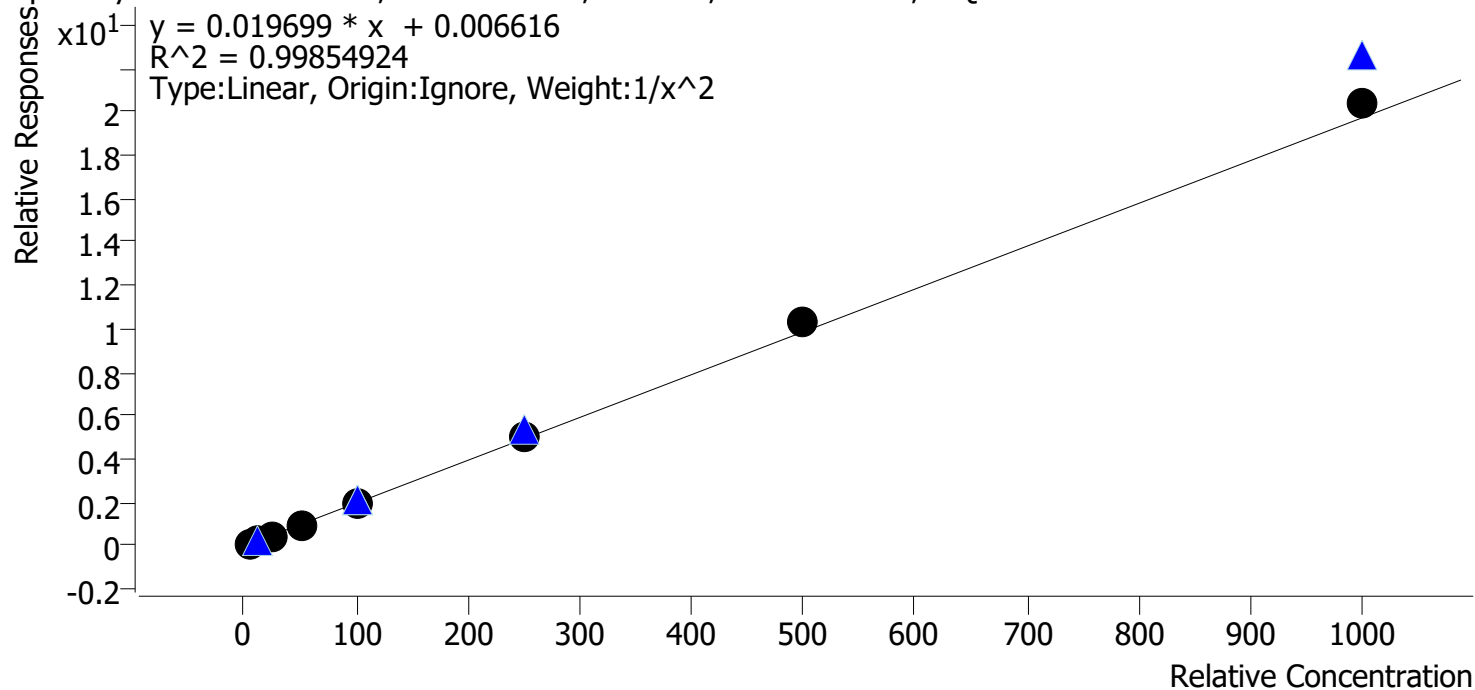
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1 | ✓ | 5.0 | 4.9 | 98.7 |
| cal 2 mdq | 2 | ✓ | 10.0 | 10.3 | 103.3 |
| cal 3 mdq | 3 | ✓ | 25.0 | 24.5 | 98.1 |
| cal 4 mdq | 4 | ✓ | 50.0 | 49.8 | 99.6 |
| cal 5 mdq | 5 | ✓ | 100.0 | 101.1 | 101.1 |
| cal 6 mdq | 6 | ✓ | 250.0 | 248.5 | 99.4 |
| cal 7 mdq | 7 | ✓ | 500.0 | 496.9 | 99.4 |
| cal 8 mdq | 8 | ✓ | 1000.0 | 1005.0 | 100.5 |

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\072821\QuantResults\mdq.batch.bin
Last Cal. Update 7/29/2021 8:19 AM
Analyst Name ISP\datastor
Analyte Diphenhydramine **Internal Standard** Diphenhydramine-D3

Diphenhydramine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



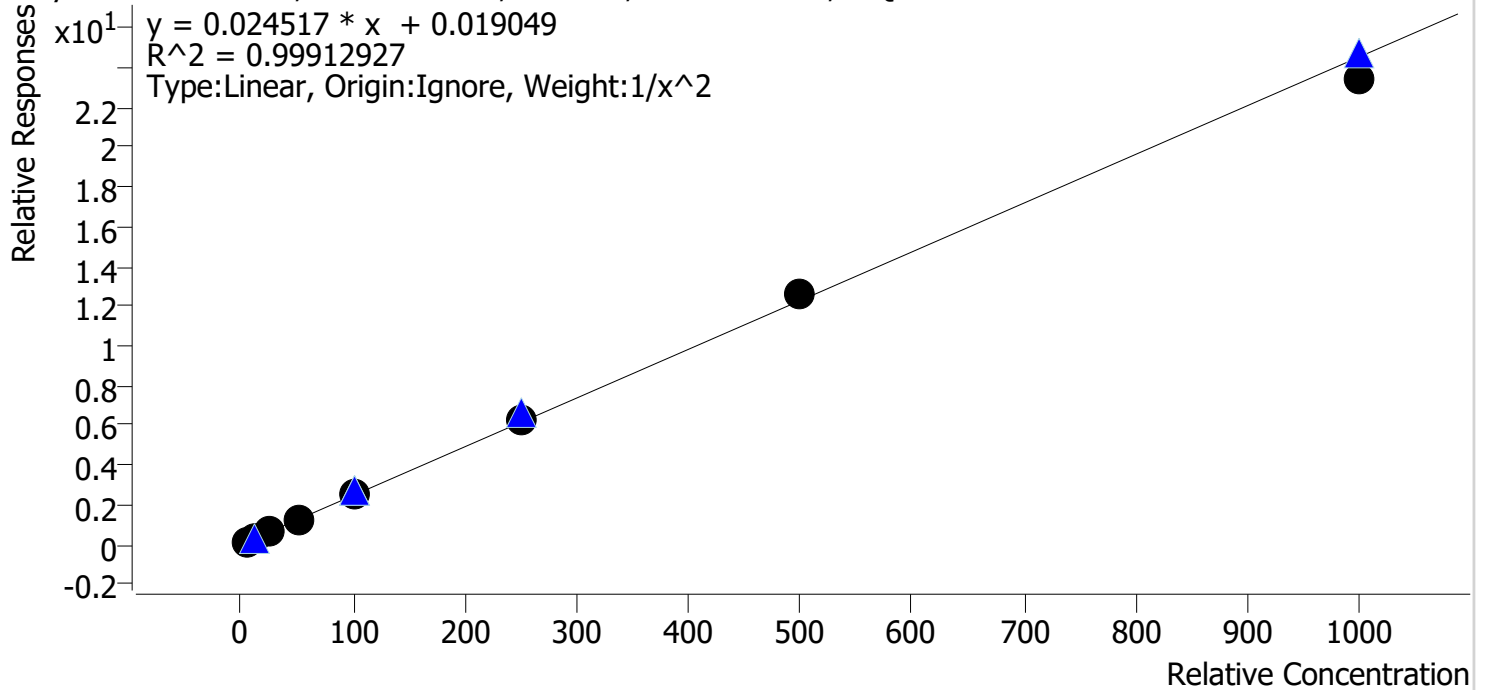
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1 | ✓ | 5.0 | 5.1 | 101.8 |
| cal 2 mdq | 2 | ✓ | 10.0 | 9.9 | 98.8 |
| cal 3 mdq | 3 | ✓ | 25.0 | 24.1 | 96.4 |
| cal 4 mdq | 4 | ✓ | 50.0 | 47.9 | 95.9 |
| cal 5 mdq | 5 | ✓ | 100.0 | 97.9 | 97.9 |
| cal 6 mdq | 6 | ✓ | 250.0 | 251.6 | 100.7 |
| cal 7 mdq | 7 | ✓ | 500.0 | 524.8 | 105.0 |
| cal 8 mdq | 8 | ✓ | 1000.0 | 1036.0 | 103.6 |

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\072821\QuantResults\mdq.batch.bin
Last Cal. Update 7/29/2021 8:19 AM
Analyst Name ISP\datastor
Analyte Doxylamine **Internal Standard** Doxylamine-D5

Doxylamine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



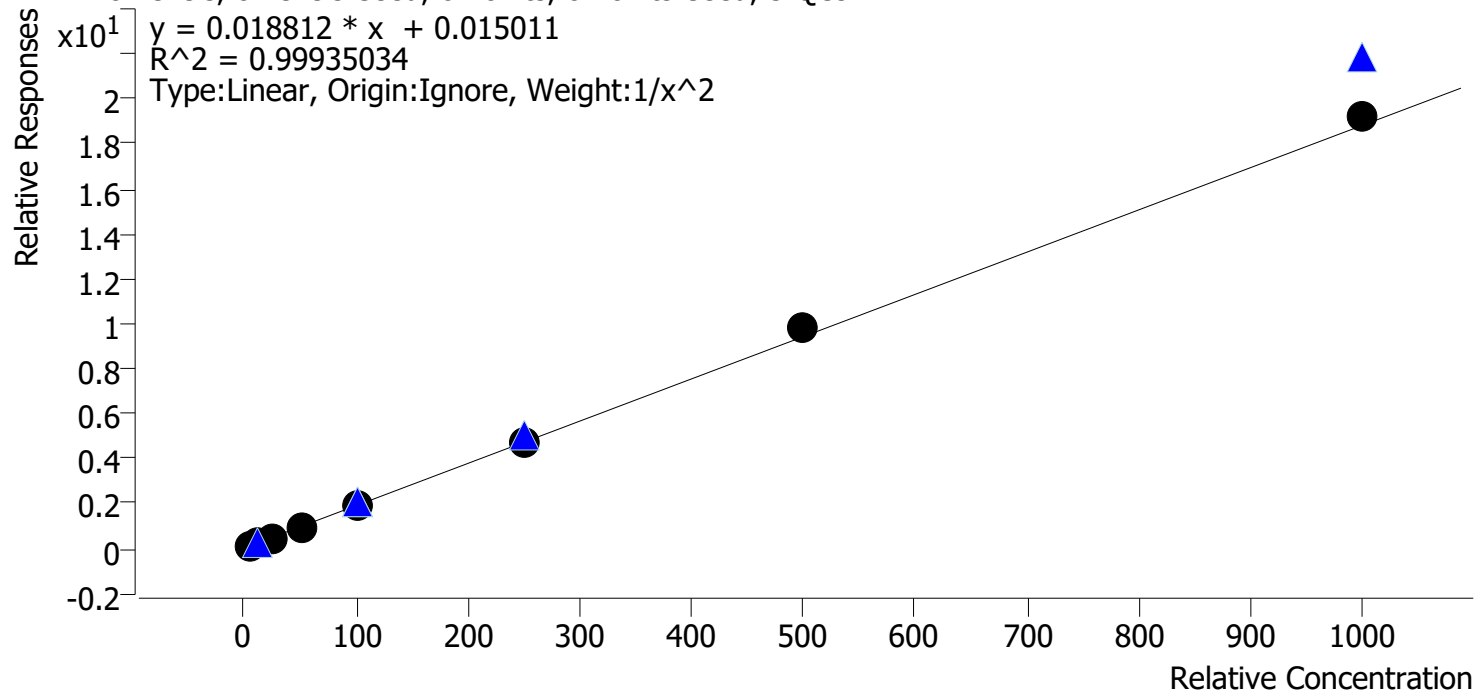
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1 | ✓ | 5.0 | 5.0 | 100.4 |
| cal 2 mdq | 2 | ✓ | 10.0 | 10.0 | 100.1 |
| cal 3 mdq | 3 | ✓ | 25.0 | 24.3 | 97.4 |
| cal 4 mdq | 4 | ✓ | 50.0 | 49.8 | 99.6 |
| cal 5 mdq | 5 | ✓ | 100.0 | 101.5 | 101.5 |
| cal 6 mdq | 6 | ✓ | 250.0 | 255.2 | 102.1 |
| cal 7 mdq | 7 | ✓ | 500.0 | 517.2 | 103.4 |
| cal 8 mdq | 8 | ✓ | 1000.0 | 954.8 | 95.5 |

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\072821\QuantResults\mdq.batch.bin
Last Cal. Update 7/29/2021 8:19 AM
Analyst Name ISP\datastor
Analyte EDDP **Internal Standard** EDDP-D3

EDDP - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



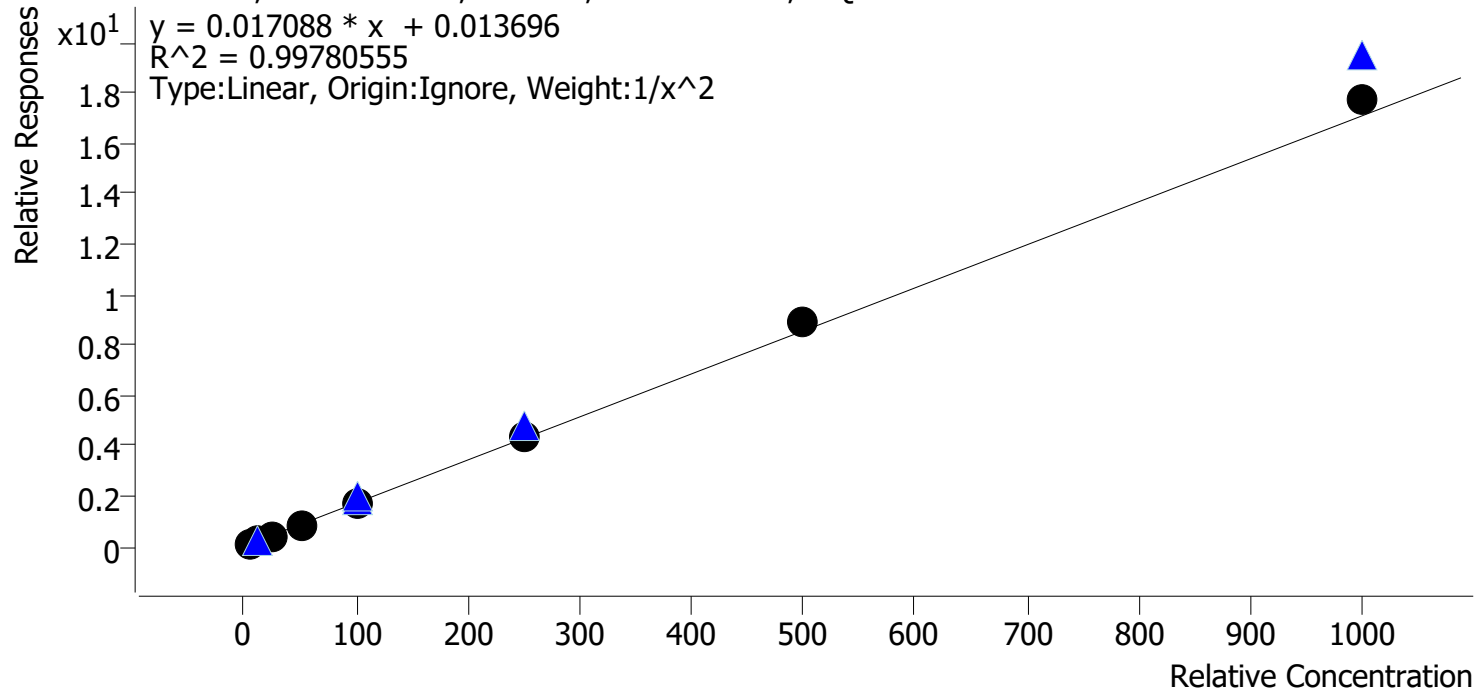
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1 | ✓ | 5.0 | 5.1 | 101.4 |
| cal 2 mdq | 2 | ✓ | 10.0 | 9.9 | 98.5 |
| cal 3 mdq | 3 | ✓ | 25.0 | 24.3 | 97.0 |
| cal 4 mdq | 4 | ✓ | 50.0 | 49.6 | 99.1 |
| cal 5 mdq | 5 | ✓ | 100.0 | 99.2 | 99.2 |
| cal 6 mdq | 6 | ✓ | 250.0 | 247.0 | 98.8 |
| cal 7 mdq | 7 | ✓ | 500.0 | 517.5 | 103.5 |
| cal 8 mdq | 8 | ✓ | 1000.0 | 1024.2 | 102.4 |

Compound Calibration Report



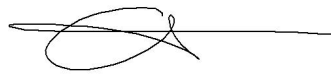
Batch results D:\MassHunter\Data\2021\am 27-28\072821\QuantResults\mdq.batch.bin
Last Cal. Update 7/29/2021 8:19 AM
Analyst Name ISP\datastor
Analyte Etizolam **Internal Standard** Alprazolam-D5

Etizolam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



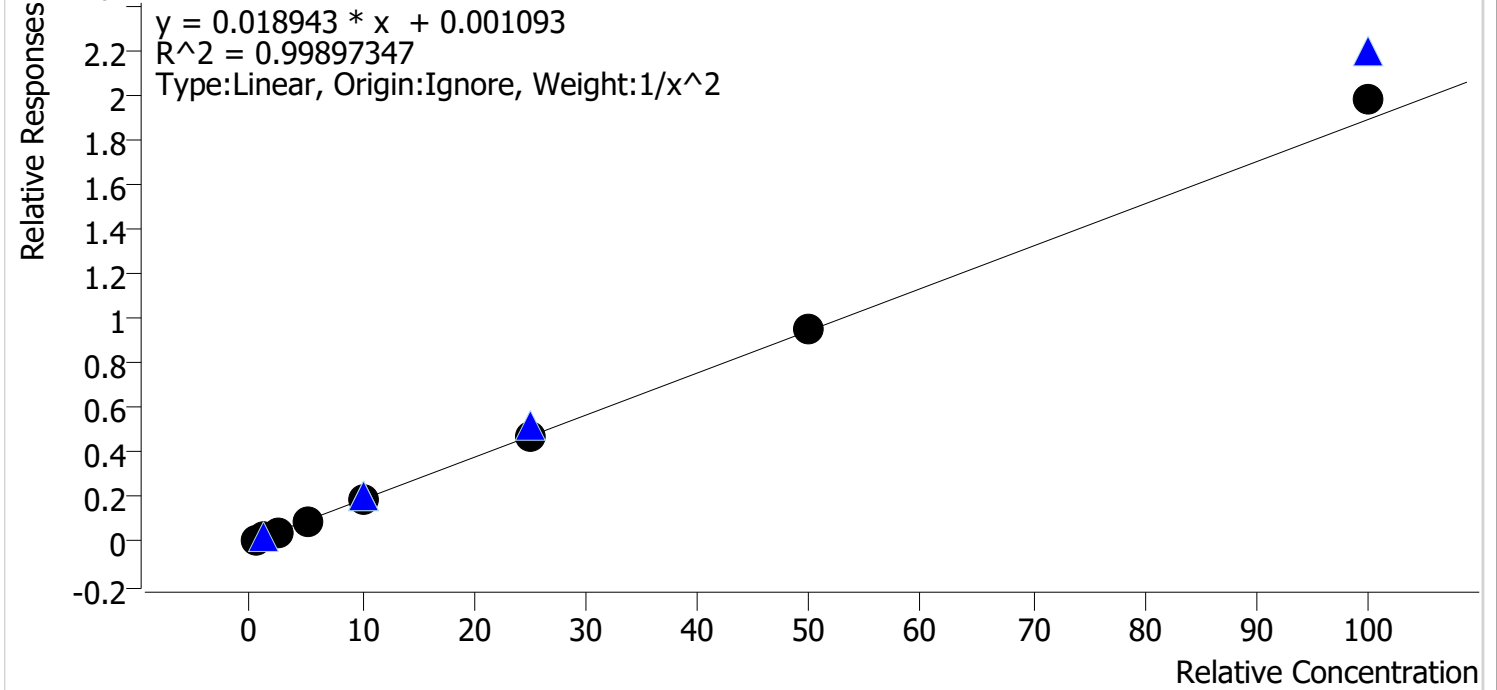
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1 | ✓ | 5.0 | 5.2 | 104.1 |
| cal 2 mdq | 2 | ✓ | 10.0 | 9.4 | 94.1 |
| cal 3 mdq | 3 | ✓ | 25.0 | 23.7 | 95.0 |
| cal 4 mdq | 4 | ✓ | 50.0 | 49.1 | 98.2 |
| cal 5 mdq | 5 | ✓ | 100.0 | 99.2 | 99.2 |
| cal 6 mdq | 6 | ✓ | 250.0 | 252.9 | 101.2 |
| cal 7 mdq | 7 | ✓ | 500.0 | 522.3 | 104.5 |
| cal 8 mdq | 8 | ✓ | 1000.0 | 1038.2 | 103.8 |

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\072821\QuantResults\mdq.batch.bin
Last Cal. Update 7/29/2021 8:19 AM
Analyst Name ISP\datastor
Analyte Fentanyl **Internal Standard** Fentanyl-D5

Fentanyl - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs

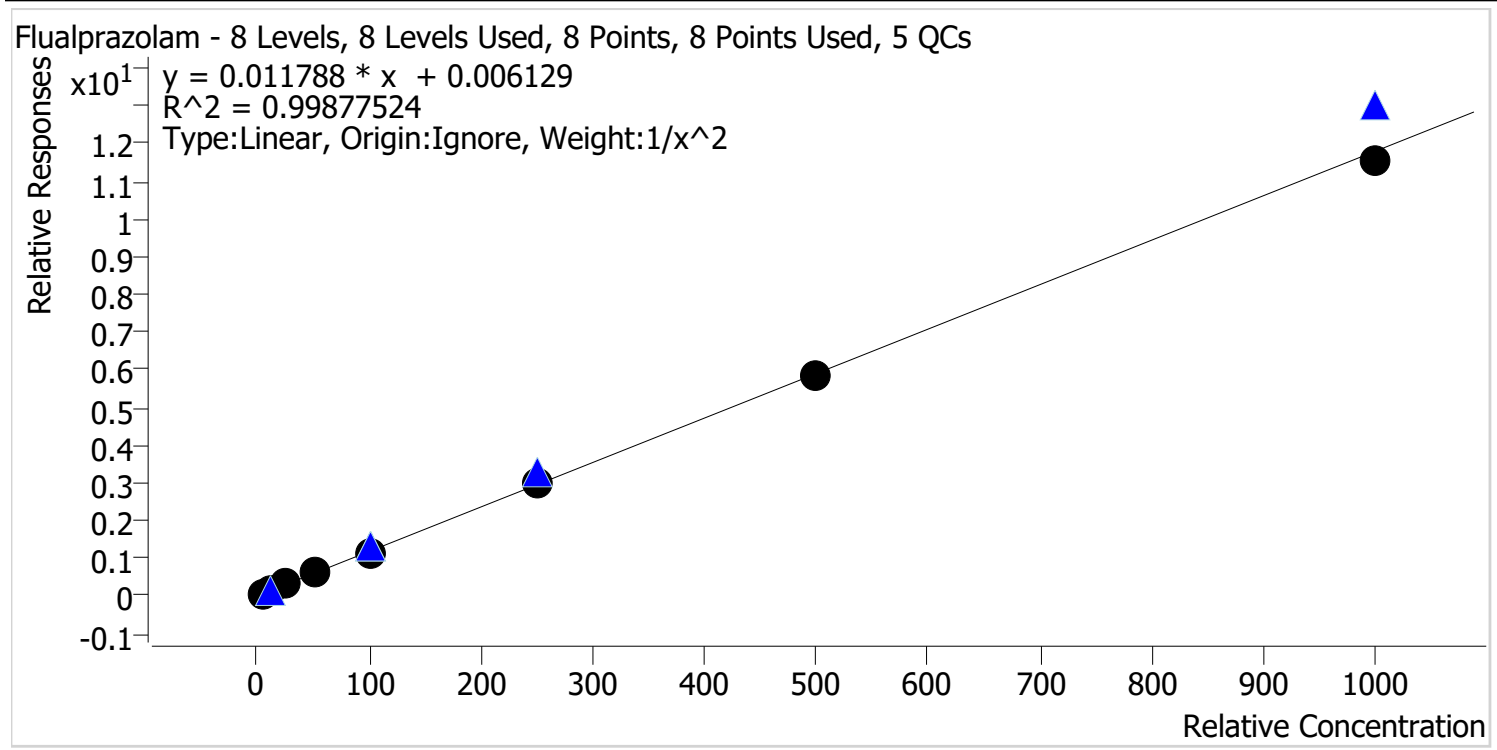


| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1 | ✓ | 0.5 | 0.5 | 102.2 |
| cal 2 mdq | 2 | ✓ | 1.0 | 1.0 | 97.2 |
| cal 3 mdq | 3 | ✓ | 2.5 | 2.4 | 97.6 |
| cal 4 mdq | 4 | ✓ | 5.0 | 4.8 | 96.7 |
| cal 5 mdq | 5 | ✓ | 10.0 | 10.0 | 99.6 |
| cal 6 mdq | 6 | ✓ | 25.0 | 25.1 | 100.6 |
| cal 7 mdq | 7 | ✓ | 50.0 | 50.7 | 101.5 |
| cal 8 mdq | 8 | ✓ | 100.0 | 104.7 | 104.7 |

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\072821\QuantResults\mdq.batch.bin
Last Cal. Update 7/29/2021 8:19 AM
Analyst Name ISP\datastor
Analyte Flualprazolam **Internal Standard** Alprazolam-D5



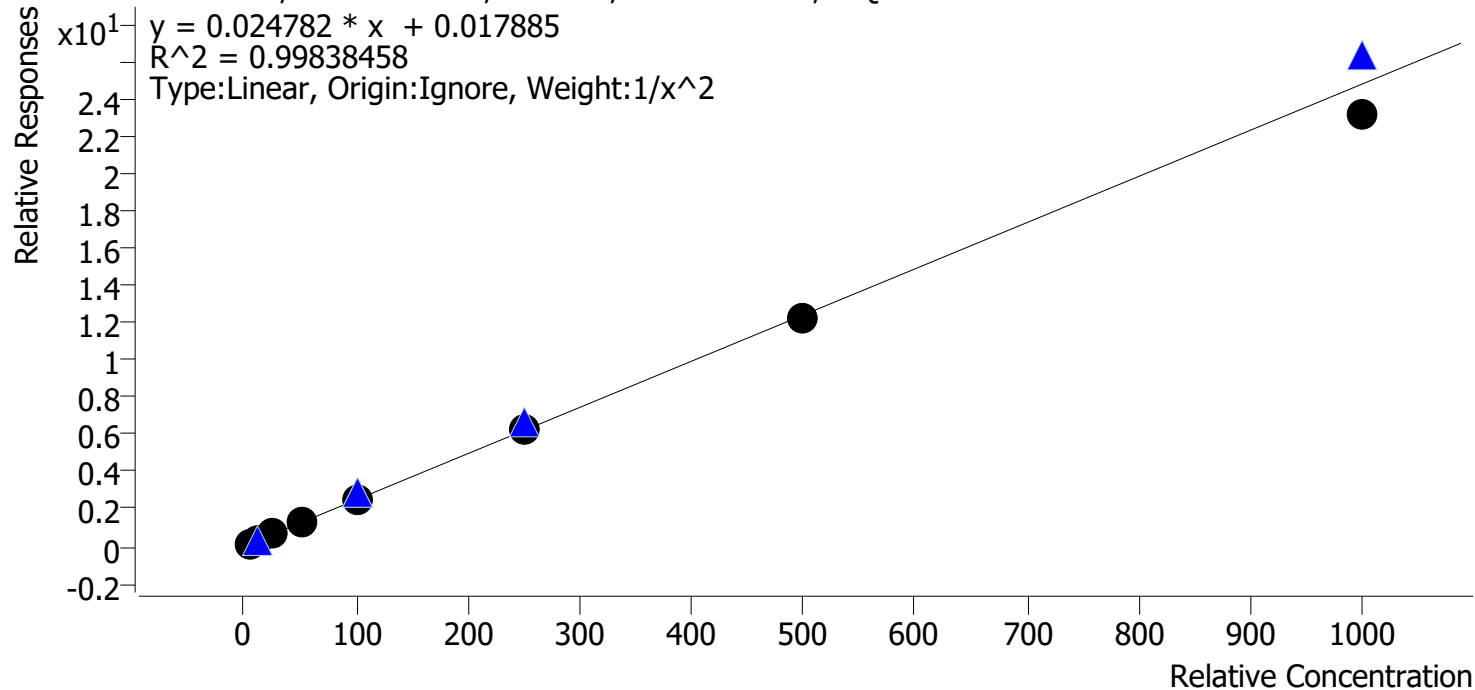
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1 | ✓ | 5.0 | 4.9 | 97.4 |
| cal 2 mdq | 2 | ✓ | 10.0 | 10.6 | 106.4 |
| cal 3 mdq | 3 | ✓ | 25.0 | 24.5 | 97.9 |
| cal 4 mdq | 4 | ✓ | 50.0 | 49.5 | 99.1 |
| cal 5 mdq | 5 | ✓ | 100.0 | 98.9 | 98.9 |
| cal 6 mdq | 6 | ✓ | 250.0 | 256.8 | 102.7 |
| cal 7 mdq | 7 | ✓ | 500.0 | 497.4 | 99.5 |
| cal 8 mdq | 8 | ✓ | 1000.0 | 982.9 | 98.3 |

Compound Calibration Report



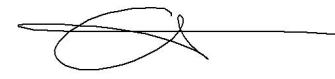
Batch results D:\MassHunter\Data\2021\am 27-28\072821\QuantResults\mdq.batch.bin
Last Cal. Update 7/29/2021 8:19 AM
Analyst Name ISP\datastor
Analyte Fluoxetine **Internal Standard** Fluoxetine-D6

Fluoxetine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



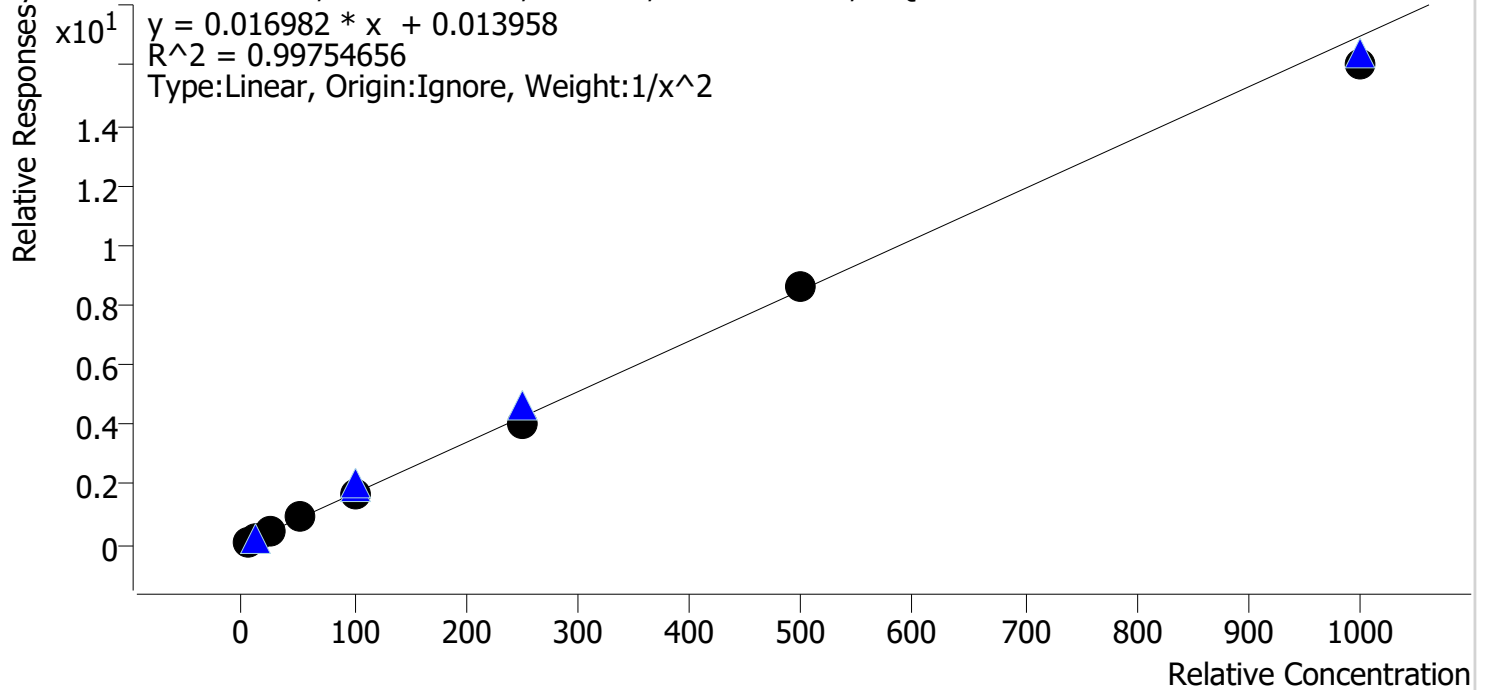
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1 | ✓ | 5.0 | 4.9 | 98.3 |
| cal 2 mdq | 2 | ✓ | 10.0 | 10.1 | 101.0 |
| cal 3 mdq | 3 | ✓ | 25.0 | 26.0 | 104.1 |
| cal 4 mdq | 4 | ✓ | 50.0 | 51.3 | 102.6 |
| cal 5 mdq | 5 | ✓ | 100.0 | 103.0 | 103.0 |
| cal 6 mdq | 6 | ✓ | 250.0 | 249.2 | 99.7 |
| cal 7 mdq | 7 | ✓ | 500.0 | 490.2 | 98.0 |
| cal 8 mdq | 8 | ✓ | 1000.0 | 932.7 | 93.3 |

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\072821\QuantResults\mdq.batch.bin
Last Cal. Update 7/29/2021 8:19 AM
Analyst Name ISP\datastor
Analyte Hydrocodone **Internal Standard** Hydrocodone-D6

Hydrocodone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



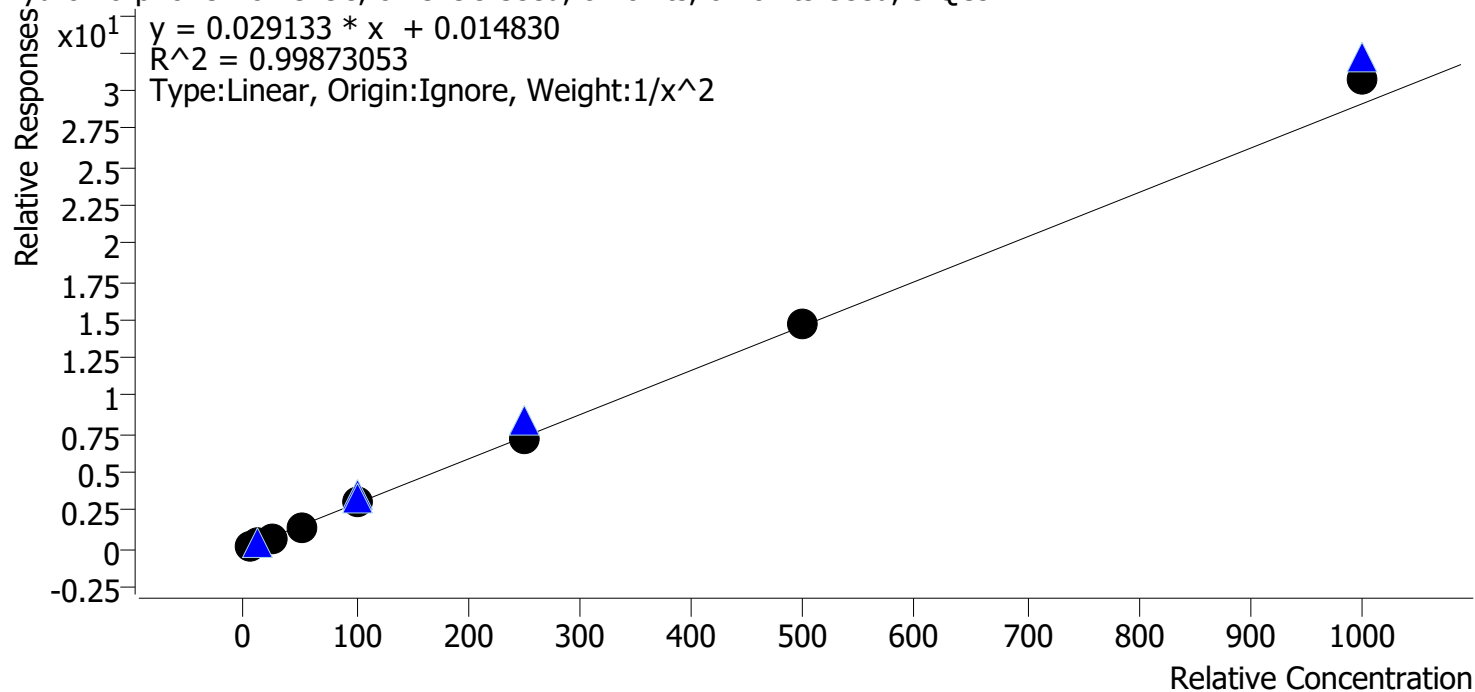
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1 | ✓ | 5.0 | 4.8 | 96.4 |
| cal 2 mdq | 2 | ✓ | 10.0 | 10.5 | 105.5 |
| cal 3 mdq | 3 | ✓ | 25.0 | 25.5 | 102.2 |
| cal 4 mdq | 4 | ✓ | 50.0 | 52.5 | 105.1 |
| cal 5 mdq | 5 | ✓ | 100.0 | 100.0 | 100.0 |
| cal 6 mdq | 6 | ✓ | 250.0 | 237.4 | 95.0 |
| cal 7 mdq | 7 | ✓ | 500.0 | 506.2 | 101.2 |
| cal 8 mdq | 8 | ✓ | 1000.0 | 945.7 | 94.6 |

Compound Calibration Report



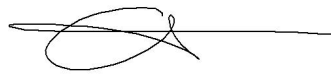
Batch results D:\MassHunter\Data\2021\am 27-28\072821\QuantResults\mdq.batch.bin
Last Cal. Update 7/29/2021 8:19 AM
Analyst Name ISP\datastor
Analyte Hydromorphone **Internal Standard** Hydromorphone-D6

Hydromorphone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs

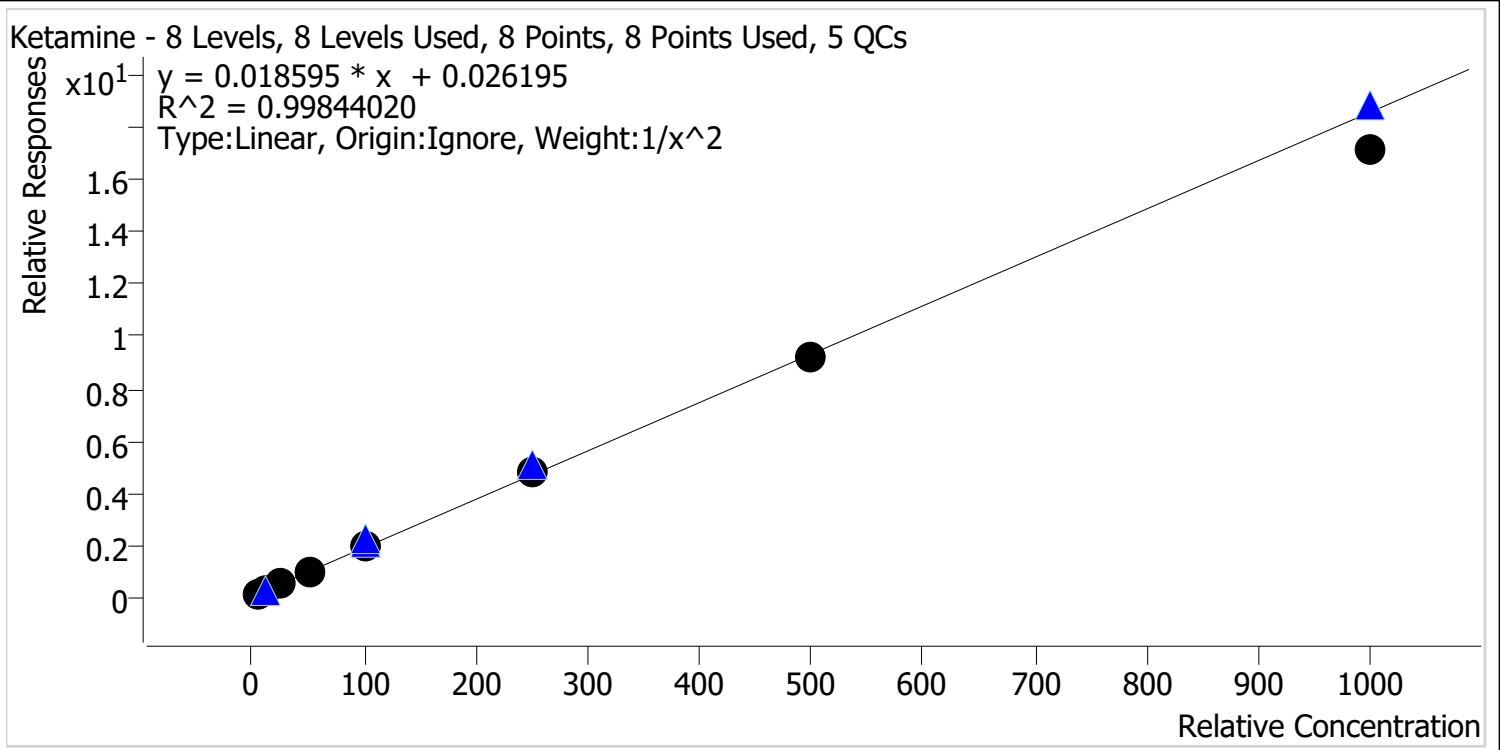


| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1 | ✓ | 5.0 | 5.1 | 102.4 |
| cal 2 mdq | 2 | ✓ | 10.0 | 9.7 | 96.9 |
| cal 3 mdq | 3 | ✓ | 25.0 | 24.0 | 96.2 |
| cal 4 mdq | 4 | ✓ | 50.0 | 49.3 | 98.6 |
| cal 5 mdq | 5 | ✓ | 100.0 | 99.8 | 99.8 |
| cal 6 mdq | 6 | ✓ | 250.0 | 248.2 | 99.3 |
| cal 7 mdq | 7 | ✓ | 500.0 | 505.1 | 101.0 |
| cal 8 mdq | 8 | ✓ | 1000.0 | 1057.8 | 105.8 |

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\072821\QuantResults\mdq.batch.bin
Last Cal. Update 7/29/2021 8:19 AM
Analyst Name ISP\datastor
Analyte Ketamine **Internal Standard** Ketamine-D4

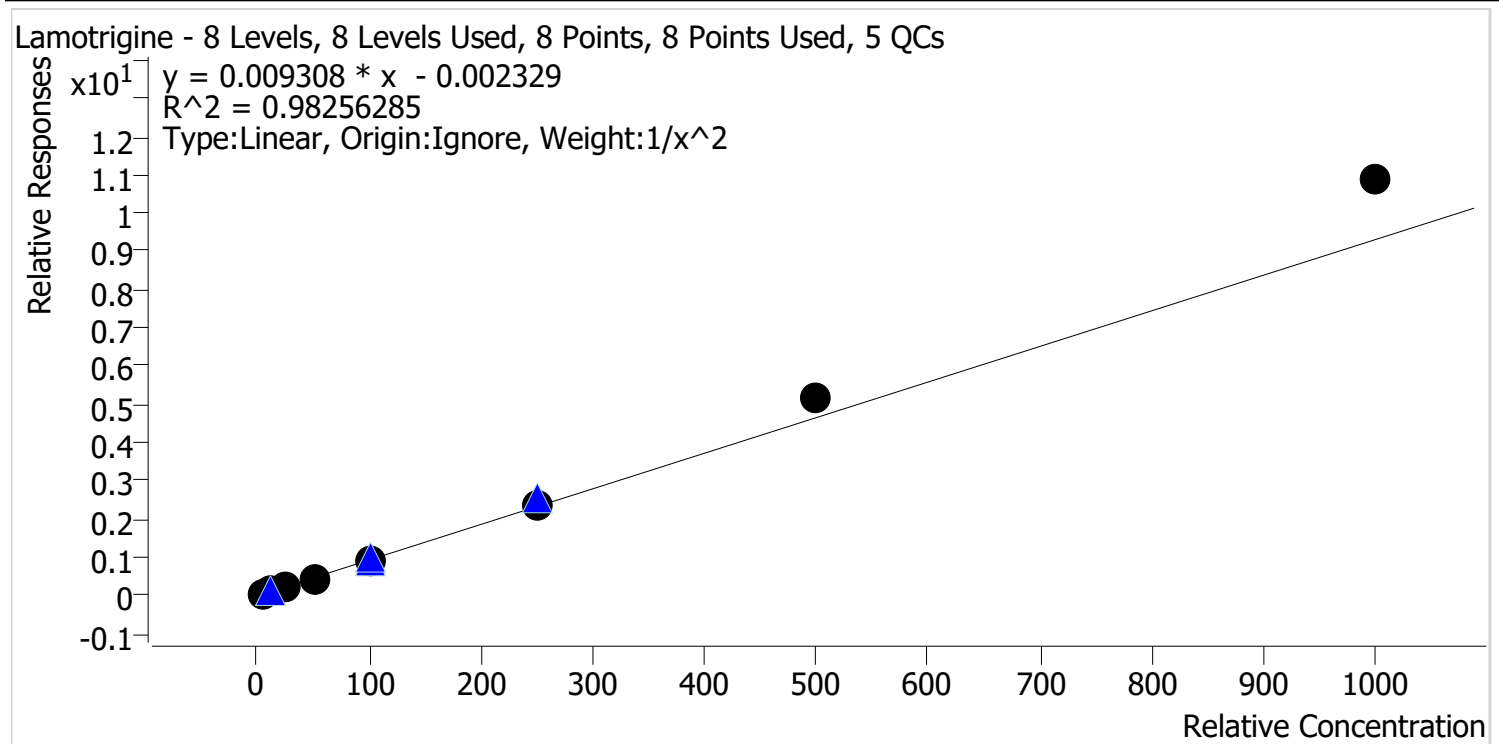


| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1 | ✓ | 5.0 | 4.9 | 98.1 |
| cal 2 mdq | 2 | ✓ | 10.0 | 10.3 | 102.7 |
| cal 3 mdq | 3 | ✓ | 25.0 | 25.3 | 101.2 |
| cal 4 mdq | 4 | ✓ | 50.0 | 51.0 | 102.0 |
| cal 5 mdq | 5 | ✓ | 100.0 | 101.8 | 101.8 |
| cal 6 mdq | 6 | ✓ | 250.0 | 255.6 | 102.2 |
| cal 7 mdq | 7 | ✓ | 500.0 | 497.6 | 99.5 |
| cal 8 mdq | 8 | ✓ | 1000.0 | 924.2 | 92.4 |

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\072821\QuantResults\mdq.batch.bin
Last Cal. Update 7/29/2021 8:19 AM
Analyst Name ISP\datastor
Analyte Lamotrigine **Internal Standard** 7-Aminoclonazepam-D4



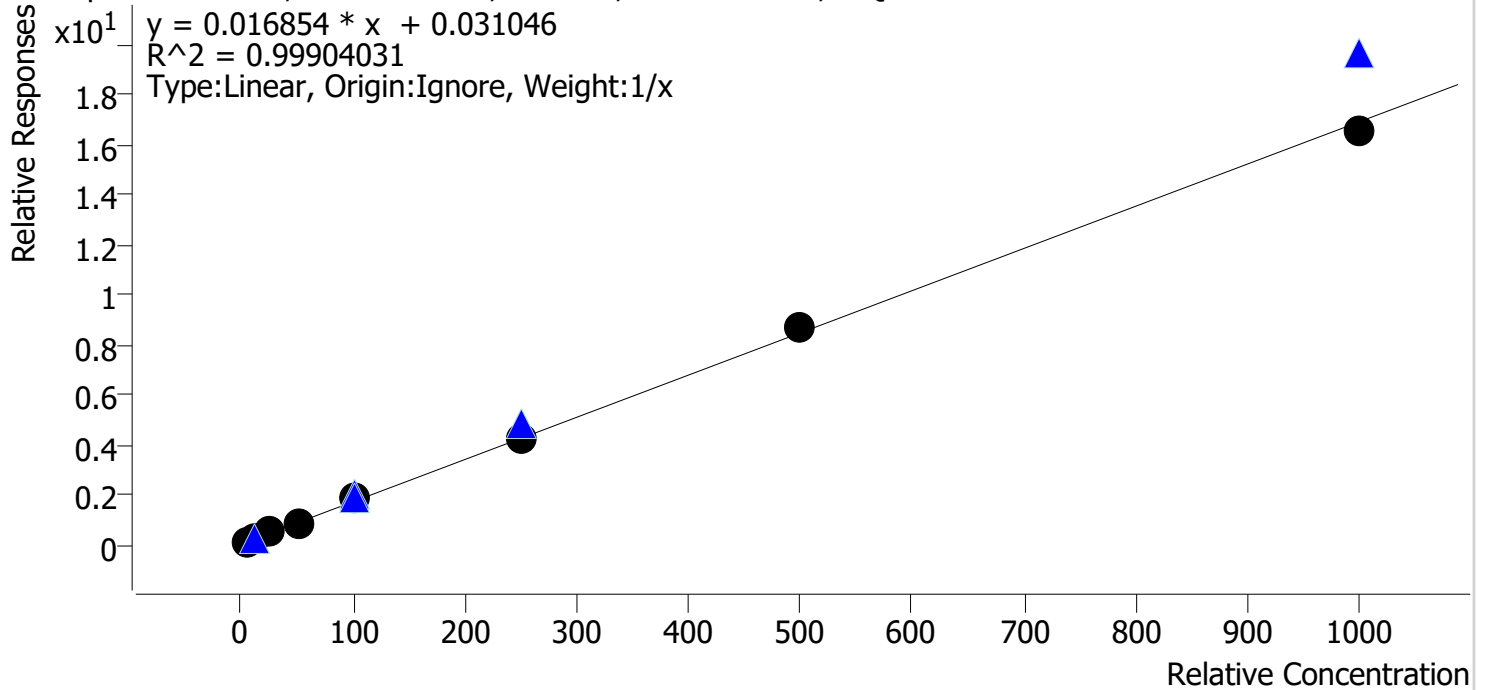
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1 | ✓ | 5.0 | 5.3 | 106.2 |
| cal 2 mdq | 2 | ✓ | 10.0 | 9.6 | 95.8 |
| cal 3 mdq | 3 | ✓ | 25.0 | 21.8 | 87.2 |
| cal 4 mdq | 4 | ✓ | 50.0 | 42.7 | 85.4 |
| cal 5 mdq | 5 | ✓ | 100.0 | 93.3 | 93.3 |
| cal 6 mdq | 6 | ✓ | 250.0 | 256.3 | 102.5 |
| cal 7 mdq | 7 | ✓ | 500.0 | 560.7 | 112.1 |
| cal 8 mdq | 8 | ✓ | 1000.0 | 1174.5 | 117.4 |

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\072821\QuantResults\mdq.batch.bin
Last Cal. Update 7/29/2021 8:19 AM
Analyst Name ISP\datastor
Analyte Lorazepam **Internal Standard** Oxazepam-D5

Lorazepam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



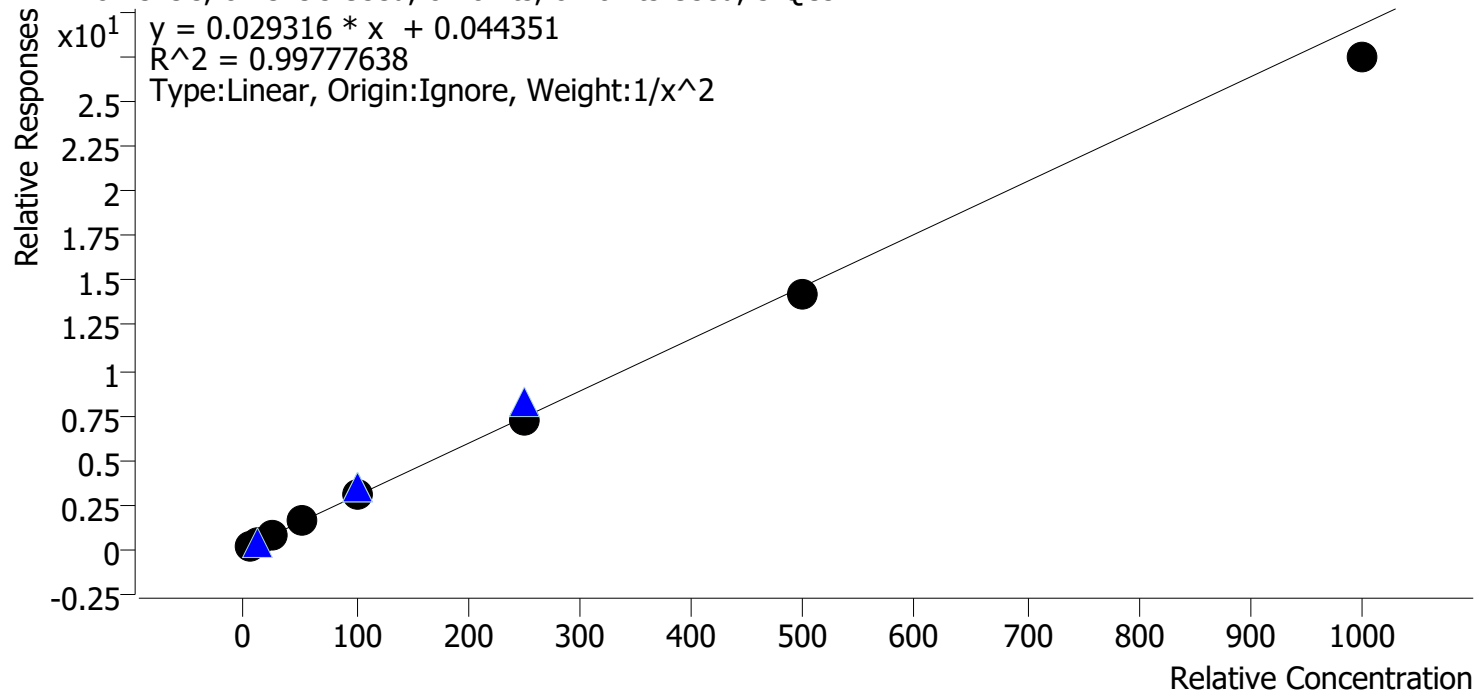
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1 | ✓ | 5.0 | 5.2 | 103.1 |
| cal 2 mdq | 2 | ✓ | 10.0 | 8.4 | 84.2 |
| cal 3 mdq | 3 | ✓ | 25.0 | 25.8 | 103.3 |
| cal 4 mdq | 4 | ✓ | 50.0 | 50.3 | 100.6 |
| cal 5 mdq | 5 | ✓ | 100.0 | 107.4 | 107.4 |
| cal 6 mdq | 6 | ✓ | 250.0 | 252.5 | 101.0 |
| cal 7 mdq | 7 | ✓ | 500.0 | 513.0 | 102.6 |
| cal 8 mdq | 8 | ✓ | 1000.0 | 977.4 | 97.7 |

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\072821\QuantResults\mdq.batch.bin
Last Cal. Update 7/29/2021 8:19 AM
Analyst Name ISP\datastor
Analyte MDA **Internal Standard** MDA-D5

MDA - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



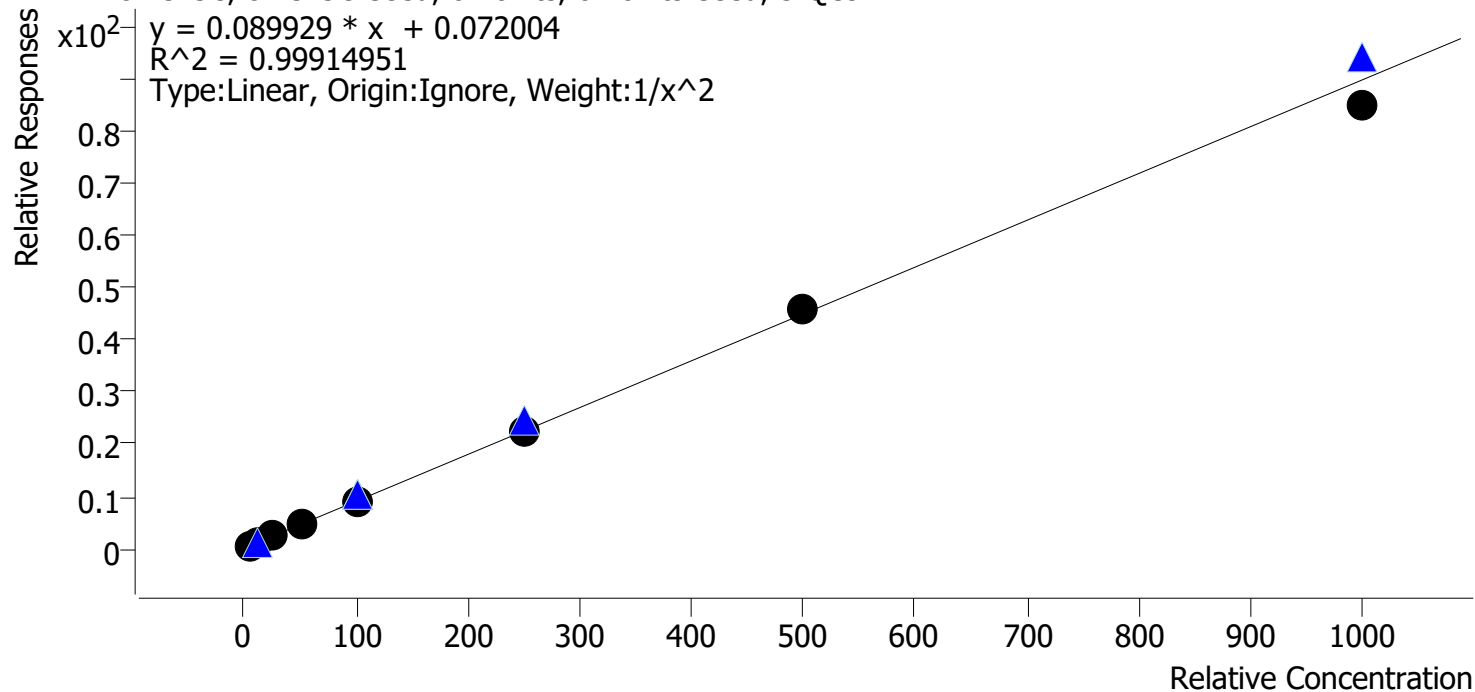
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1 | ✓ | 5.0 | 4.9 | 97.8 |
| cal 2 mdq | 2 | ✓ | 10.0 | 10.2 | 101.7 |
| cal 3 mdq | 3 | ✓ | 25.0 | 26.0 | 103.9 |
| cal 4 mdq | 4 | ✓ | 50.0 | 52.9 | 105.8 |
| cal 5 mdq | 5 | ✓ | 100.0 | 102.4 | 102.4 |
| cal 6 mdq | 6 | ✓ | 250.0 | 245.6 | 98.2 |
| cal 7 mdq | 7 | ✓ | 500.0 | 482.5 | 96.5 |
| cal 8 mdq | 8 | ✓ | 1000.0 | 936.8 | 93.7 |

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\072821\QuantResults\mdq.batch.bin
Last Cal. Update 7/29/2021 8:19 AM
Analyst Name ISP\datastor
Analyte MDMA **Internal Standard** MDMA-D6

MDMA - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



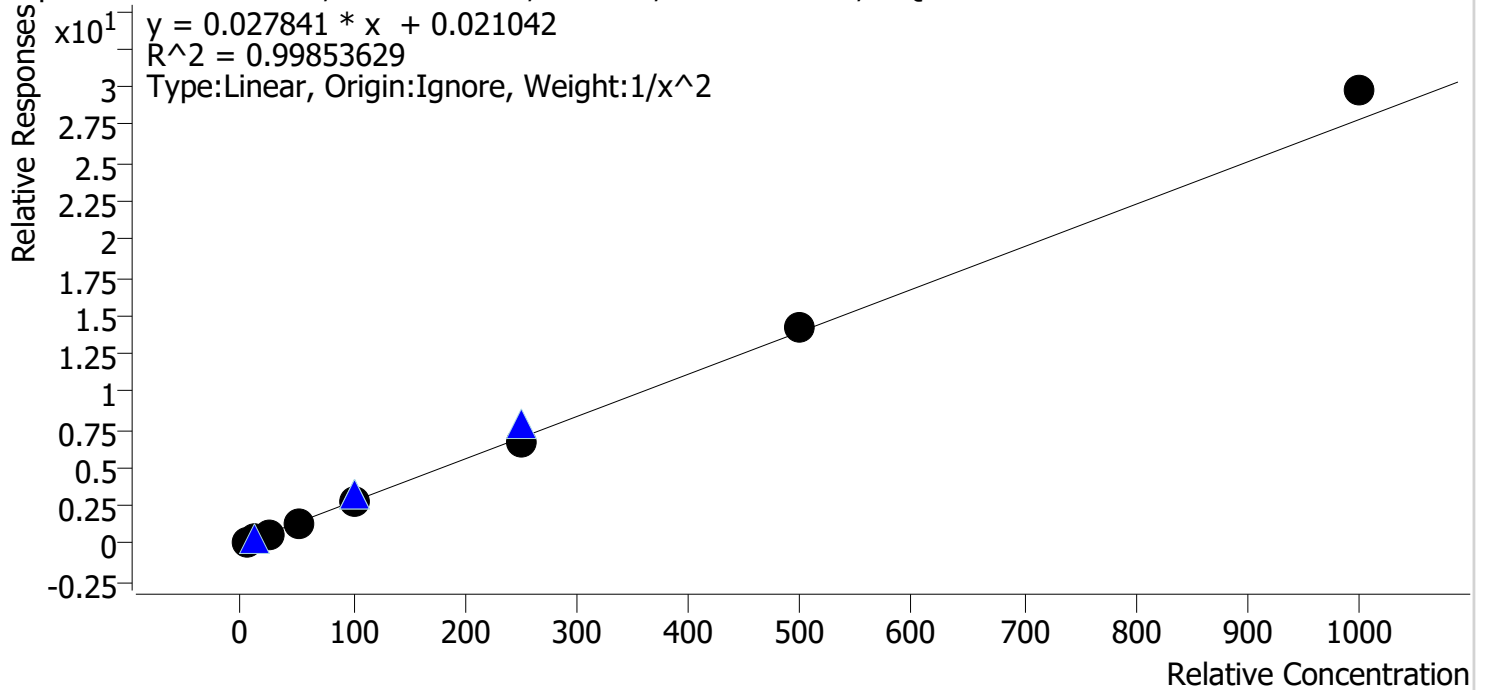
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1 | ✓ | 5.0 | 5.0 | 99.1 |
| cal 2 mdq | 2 | ✓ | 10.0 | 10.1 | 101.4 |
| cal 3 mdq | 3 | ✓ | 25.0 | 24.9 | 99.8 |
| cal 4 mdq | 4 | ✓ | 50.0 | 50.8 | 101.5 |
| cal 5 mdq | 5 | ✓ | 100.0 | 101.5 | 101.5 |
| cal 6 mdq | 6 | ✓ | 250.0 | 248.5 | 99.4 |
| cal 7 mdq | 7 | ✓ | 500.0 | 513.9 | 102.8 |
| cal 8 mdq | 8 | ✓ | 1000.0 | 945.5 | 94.6 |

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\072821\QuantResults\mdq.batch.bin
Last Cal. Update 7/29/2021 8:19 AM
Analyst Name ISP\datastor
Analyte Meprobamate **Internal Standard** Meprobamate-D7

Meprobamate - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



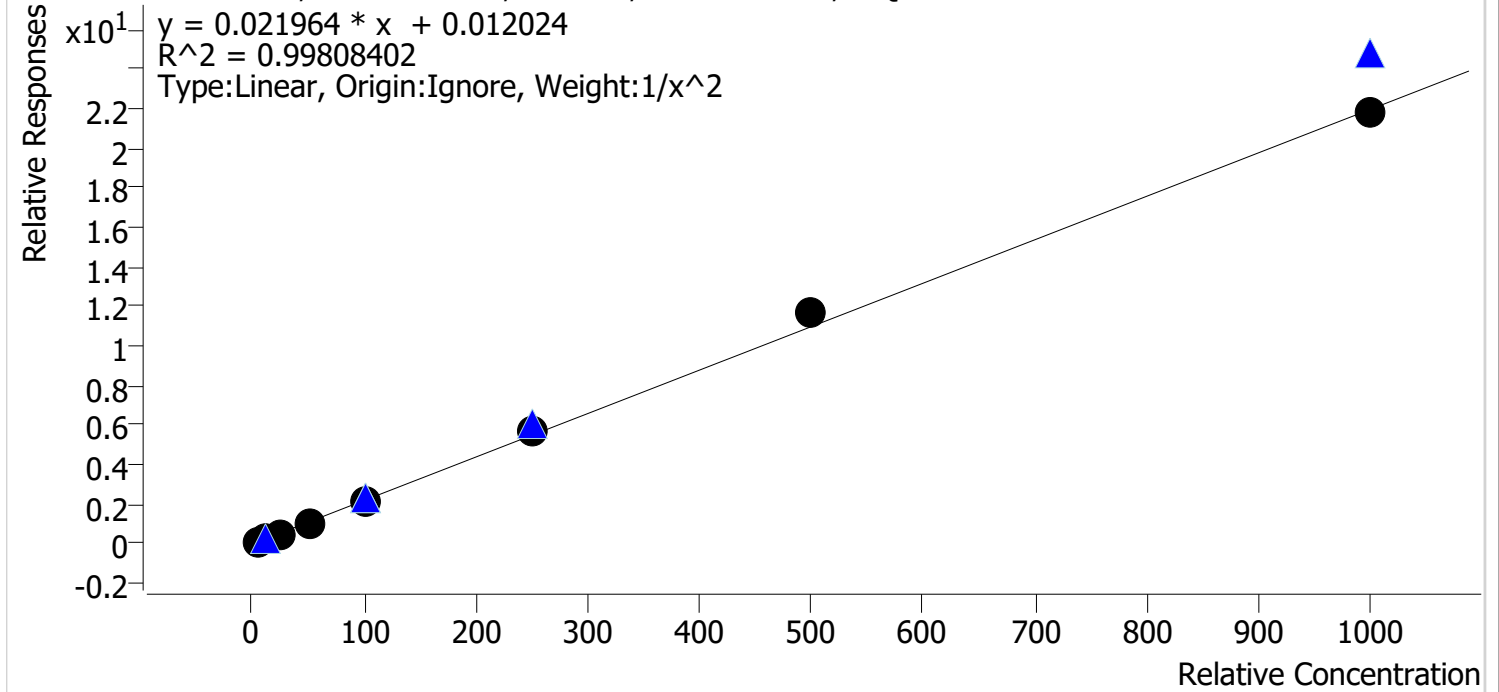
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1 | ✓ | 5.0 | 5.0 | 100.8 |
| cal 2 mdq | 2 | ✓ | 10.0 | 10.0 | 99.7 |
| cal 3 mdq | 3 | ✓ | 25.0 | 24.6 | 98.4 |
| cal 4 mdq | 4 | ✓ | 50.0 | 49.1 | 98.2 |
| cal 5 mdq | 5 | ✓ | 100.0 | 98.4 | 98.4 |
| cal 6 mdq | 6 | ✓ | 250.0 | 239.1 | 95.6 |
| cal 7 mdq | 7 | ✓ | 500.0 | 511.3 | 102.3 |
| cal 8 mdq | 8 | ✓ | 1000.0 | 1066.4 | 106.6 |

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\072821\QuantResults\mdq.batch.bin
Last Cal. Update 7/29/2021 8:19 AM
Analyst Name ISP\datastor
Analyte Methadone **Internal Standard** Methadone-D9

Methadone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



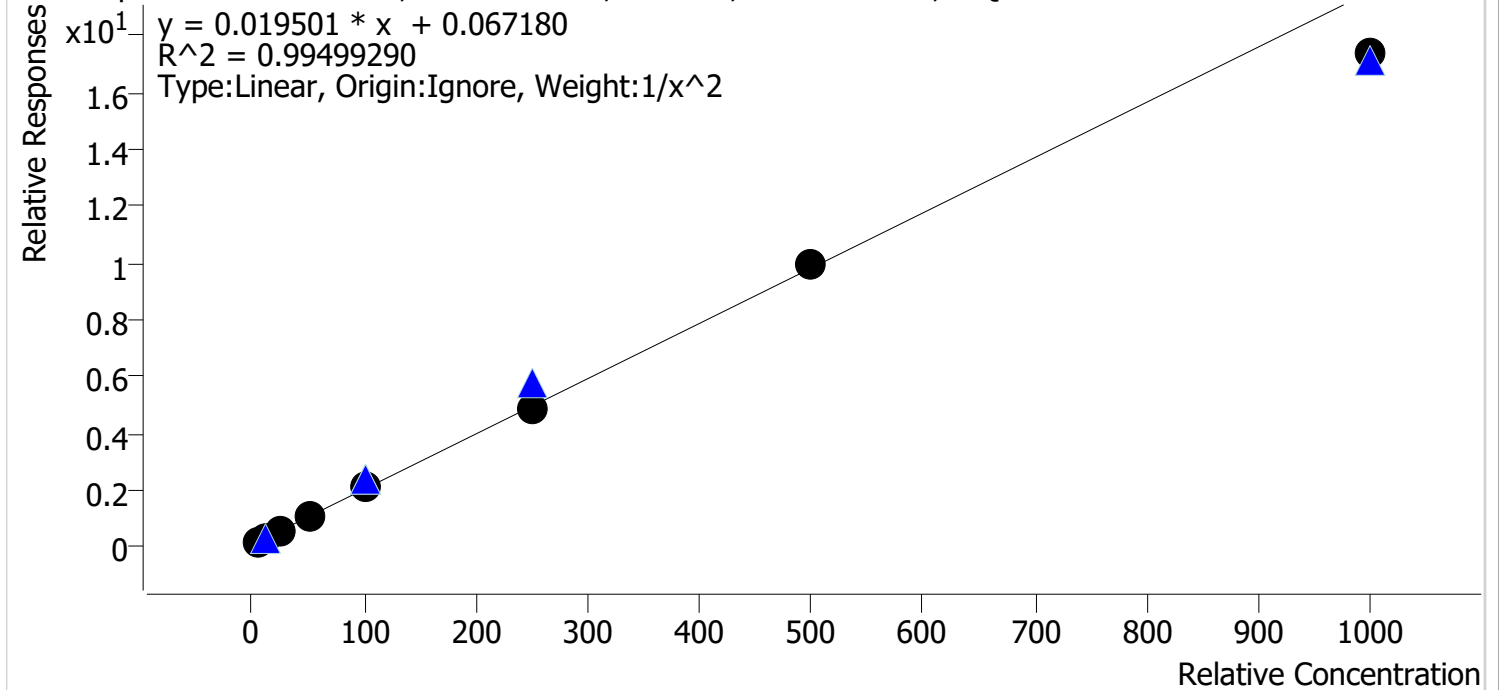
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1 | ✓ | 5.0 | 5.0 | 100.2 |
| cal 2 mdq | 2 | ✓ | 10.0 | 10.2 | 102.2 |
| cal 3 mdq | 3 | ✓ | 25.0 | 24.0 | 96.1 |
| cal 4 mdq | 4 | ✓ | 50.0 | 47.9 | 95.7 |
| cal 5 mdq | 5 | ✓ | 100.0 | 96.8 | 96.8 |
| cal 6 mdq | 6 | ✓ | 250.0 | 257.6 | 103.0 |
| cal 7 mdq | 7 | ✓ | 500.0 | 532.5 | 106.5 |
| cal 8 mdq | 8 | ✓ | 1000.0 | 995.7 | 99.6 |

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\072821\QuantResults\mdq.batch.bin
Last Cal. Update 7/29/2021 8:19 AM
Analyst Name ISP\datastor
Analyte Methamphetamine **Internal Standard** Methamphetamine-D11

Methamphetamine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



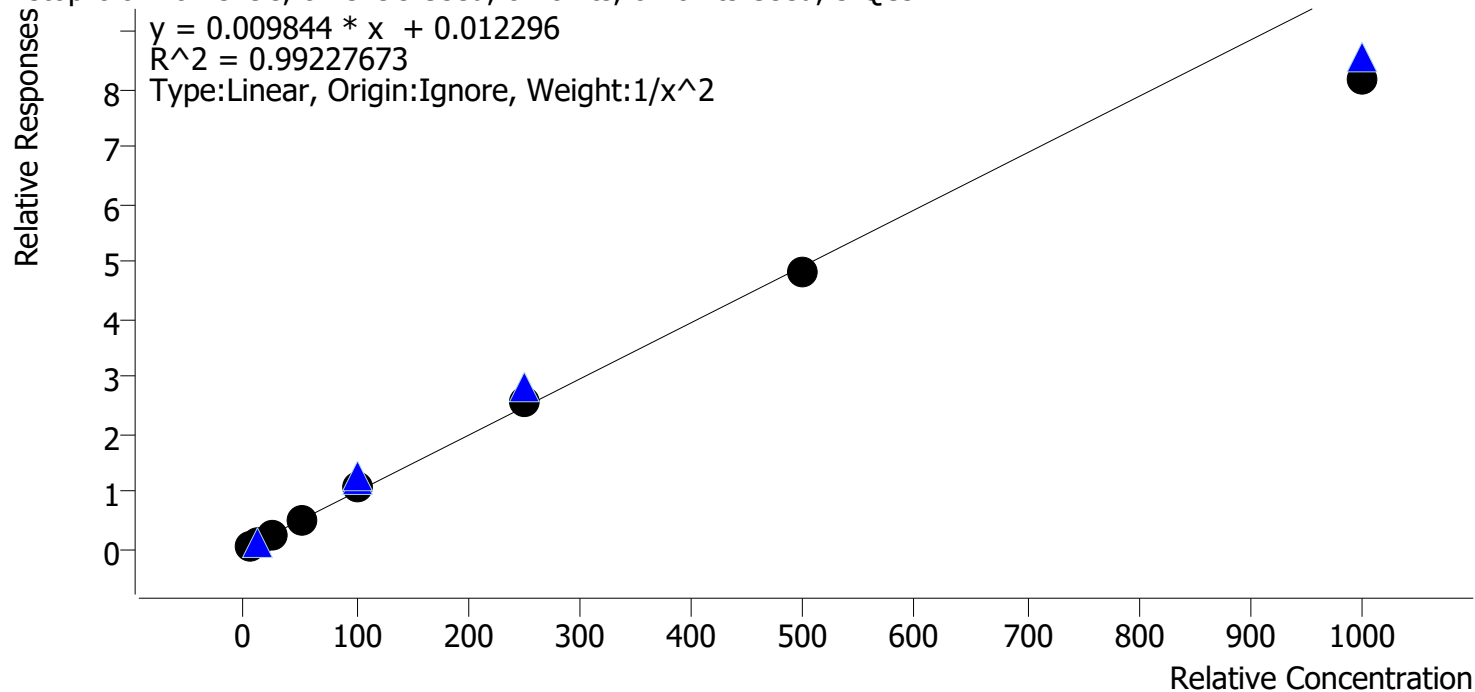
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1 | ✓ | 5.0 | 5.0 | 100.2 |
| cal 2 mdq | 2 | ✓ | 10.0 | 9.6 | 95.5 |
| cal 3 mdq | 3 | ✓ | 25.0 | 26.6 | 106.3 |
| cal 4 mdq | 4 | ✓ | 50.0 | 54.2 | 108.3 |
| cal 5 mdq | 5 | ✓ | 100.0 | 101.1 | 101.1 |
| cal 6 mdq | 6 | ✓ | 250.0 | 244.3 | 97.7 |
| cal 7 mdq | 7 | ✓ | 500.0 | 510.0 | 102.0 |
| cal 8 mdq | 8 | ✓ | 1000.0 | 888.1 | 88.8 |

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\072821\QuantResults\mdq.batch.bin
Last Cal. Update 7/29/2021 8:19 AM
Analyst Name ISP\datastor
Analyte Metoprolol **Internal Standard** MDA-D5

Metoprolol - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



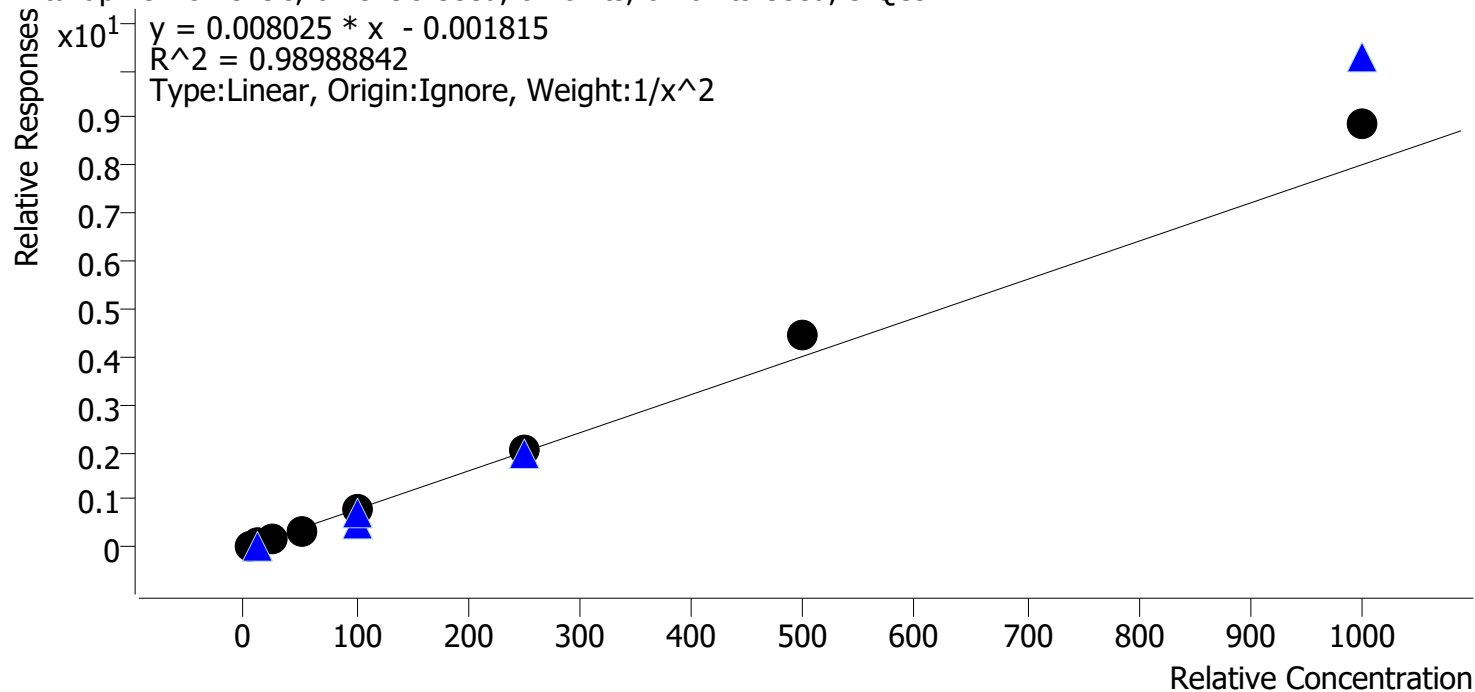
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1 | ✓ | 5.0 | 4.9 | 97.3 |
| cal 2 mdq | 2 | ✓ | 10.0 | 10.2 | 102.2 |
| cal 3 mdq | 3 | ✓ | 25.0 | 26.0 | 103.9 |
| cal 4 mdq | 4 | ✓ | 50.0 | 52.6 | 105.2 |
| cal 5 mdq | 5 | ✓ | 100.0 | 107.0 | 107.0 |
| cal 6 mdq | 6 | ✓ | 250.0 | 258.4 | 103.4 |
| cal 7 mdq | 7 | ✓ | 500.0 | 490.9 | 98.2 |
| cal 8 mdq | 8 | ✓ | 1000.0 | 828.9 | 82.9 |

Compound Calibration Report



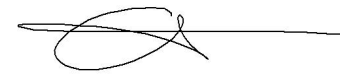
Batch results D:\MassHunter\Data\2021\am 27-28\072821\QuantResults\mdq.batch.bin
Last Cal. Update 7/29/2021 8:19 AM
Analyst Name ISP\datastor
Analyte Mirtazapine **Internal Standard** Pseudoephedrine-D3

Mirtazapine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



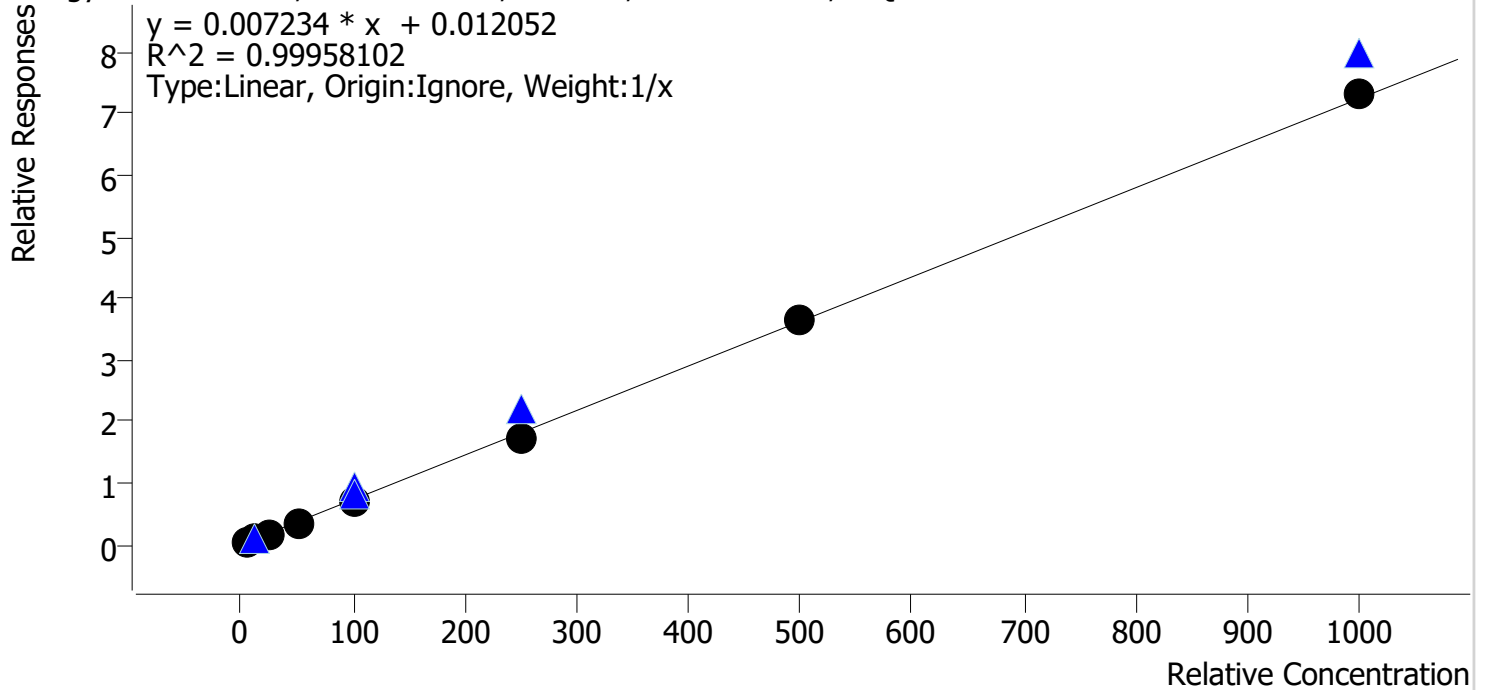
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1 | ✓ | 5.0 | 5.2 | 103.9 |
| cal 2 mdq | 2 | ✓ | 10.0 | 9.8 | 98.5 |
| cal 3 mdq | 3 | ✓ | 25.0 | 22.6 | 90.6 |
| cal 4 mdq | 4 | ✓ | 50.0 | 43.3 | 86.7 |
| cal 5 mdq | 5 | ✓ | 100.0 | 96.8 | 96.8 |
| cal 6 mdq | 6 | ✓ | 250.0 | 254.0 | 101.6 |
| cal 7 mdq | 7 | ✓ | 500.0 | 555.0 | 111.0 |
| cal 8 mdq | 8 | ✓ | 1000.0 | 1109.7 | 111.0 |

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\072821\QuantResults\mdq.batch.bin
Last Cal. Update 7/29/2021 8:19 AM
Analyst Name ISP\datastor
Analyte Mitragynine **Internal Standard** Fentanyl-D5

Mitragynine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



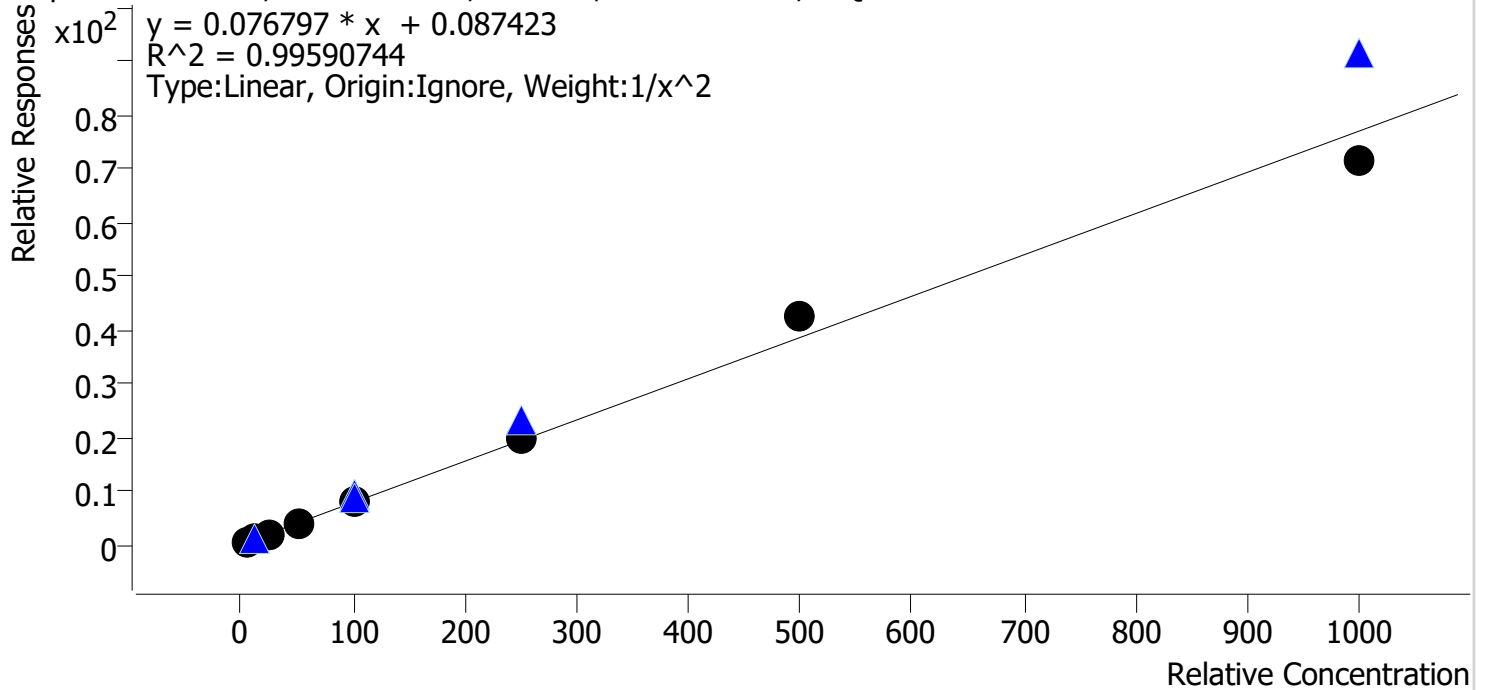
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1 | ✓ | 5.0 | 5.4 | 108.5 |
| cal 2 mdq | 2 | ✓ | 10.0 | 10.4 | 104.2 |
| cal 3 mdq | 3 | ✓ | 25.0 | 23.6 | 94.2 |
| cal 4 mdq | 4 | ✓ | 50.0 | 49.1 | 98.2 |
| cal 5 mdq | 5 | ✓ | 100.0 | 96.6 | 96.6 |
| cal 6 mdq | 6 | ✓ | 250.0 | 240.8 | 96.3 |
| cal 7 mdq | 7 | ✓ | 500.0 | 505.5 | 101.1 |
| cal 8 mdq | 8 | ✓ | 1000.0 | 1008.6 | 100.9 |

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\072821\QuantResults\mdq.batch.bin
Last Cal. Update 7/29/2021 8:19 AM
Analyst Name ISP\datastor
Analyte Morphine **Internal Standard** Morphine-D6

Morphine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



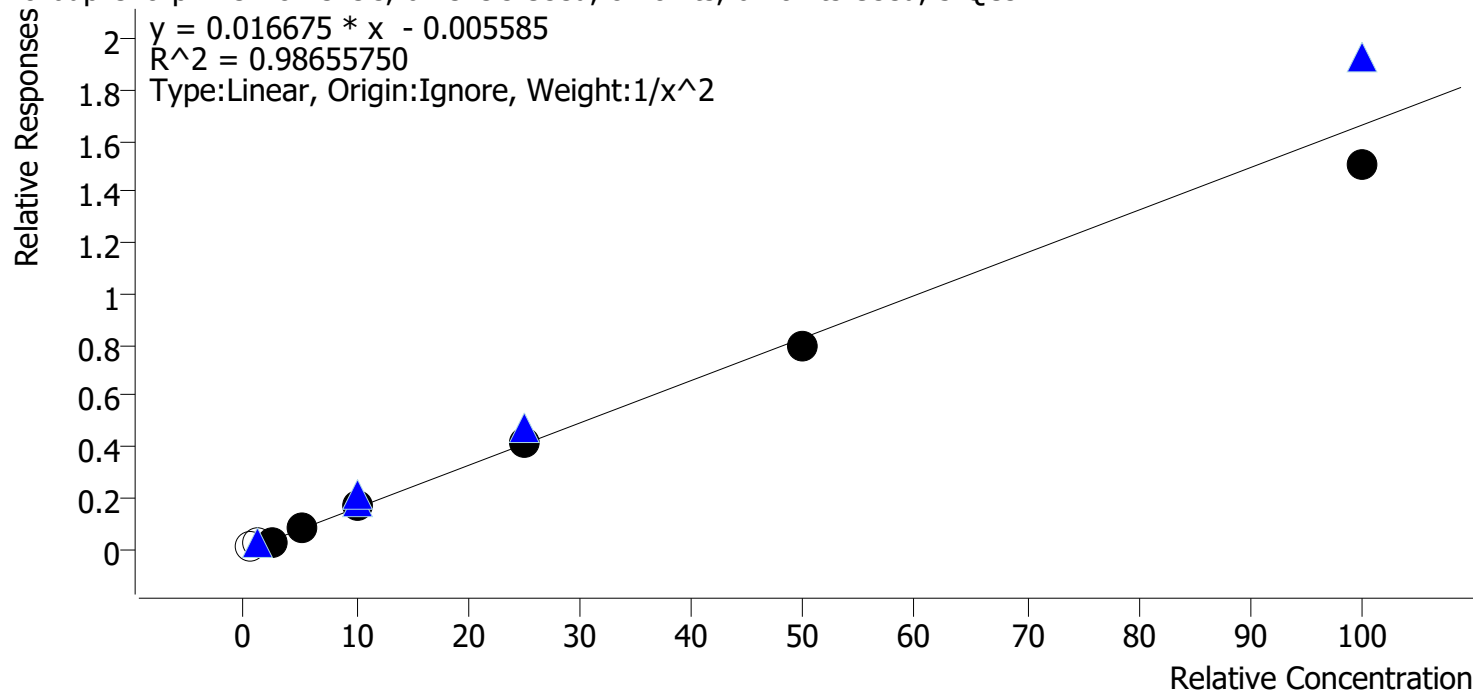
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1 | ✓ | 5.0 | 4.9 | 98.9 |
| cal 2 mdq | 2 | ✓ | 10.0 | 10.5 | 104.8 |
| cal 3 mdq | 3 | ✓ | 25.0 | 23.5 | 94.1 |
| cal 4 mdq | 4 | ✓ | 50.0 | 49.1 | 98.3 |
| cal 5 mdq | 5 | ✓ | 100.0 | 98.5 | 98.5 |
| cal 6 mdq | 6 | ✓ | 250.0 | 257.1 | 102.8 |
| cal 7 mdq | 7 | ✓ | 500.0 | 548.4 | 109.7 |
| cal 8 mdq | 8 | ✓ | 1000.0 | 928.4 | 92.8 |

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\072821\QuantResults\mdq.batch.bin
Last Cal. Update 7/29/2021 8:19 AM
Analyst Name ISP\datastor
Analyte Norbuprenorphine **Internal Standard** Norbuprenorphine-D3

Norbuprenorphine - 8 Levels, 6 Levels Used, 8 Points, 6 Points Used, 5 QCs



| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1 | x | 0.5 | 1.2 | 234.2 |
| cal 2 mdq | 2 | x | 1.0 | 1.5 | 153.4 |
| cal 3 mdq | 3 | ✓ | 2.5 | 2.3 | 91.5 |
| cal 4 mdq | 4 | ✓ | 5.0 | 5.7 | 114.0 |
| cal 5 mdq | 5 | ✓ | 10.0 | 10.8 | 107.9 |
| cal 6 mdq | 6 | ✓ | 25.0 | 25.0 | 100.0 |
| cal 7 mdq | 7 | ✓ | 50.0 | 48.1 | 96.2 |
| cal 8 mdq | 8 | ✓ | 100.0 | 90.4 | 90.4 |

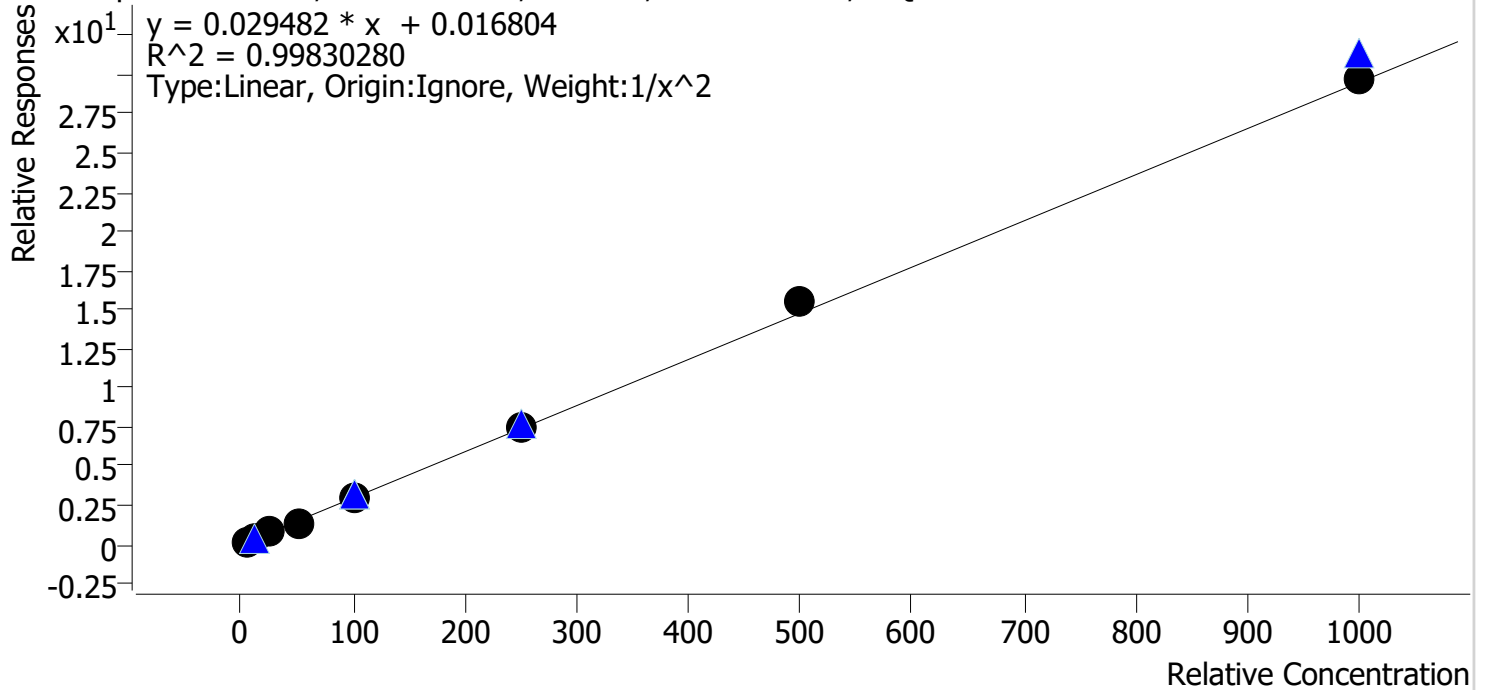
cal 1 and 2 dropped poor peak shape and response

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\072821\QuantResults\mdq.batch.bin
Last Cal. Update 7/29/2021 8:19 AM
Analyst Name ISP\datastor
Analyte Nordiazepam **Internal Standard** Nordiazepam-D5

Nordiazepam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



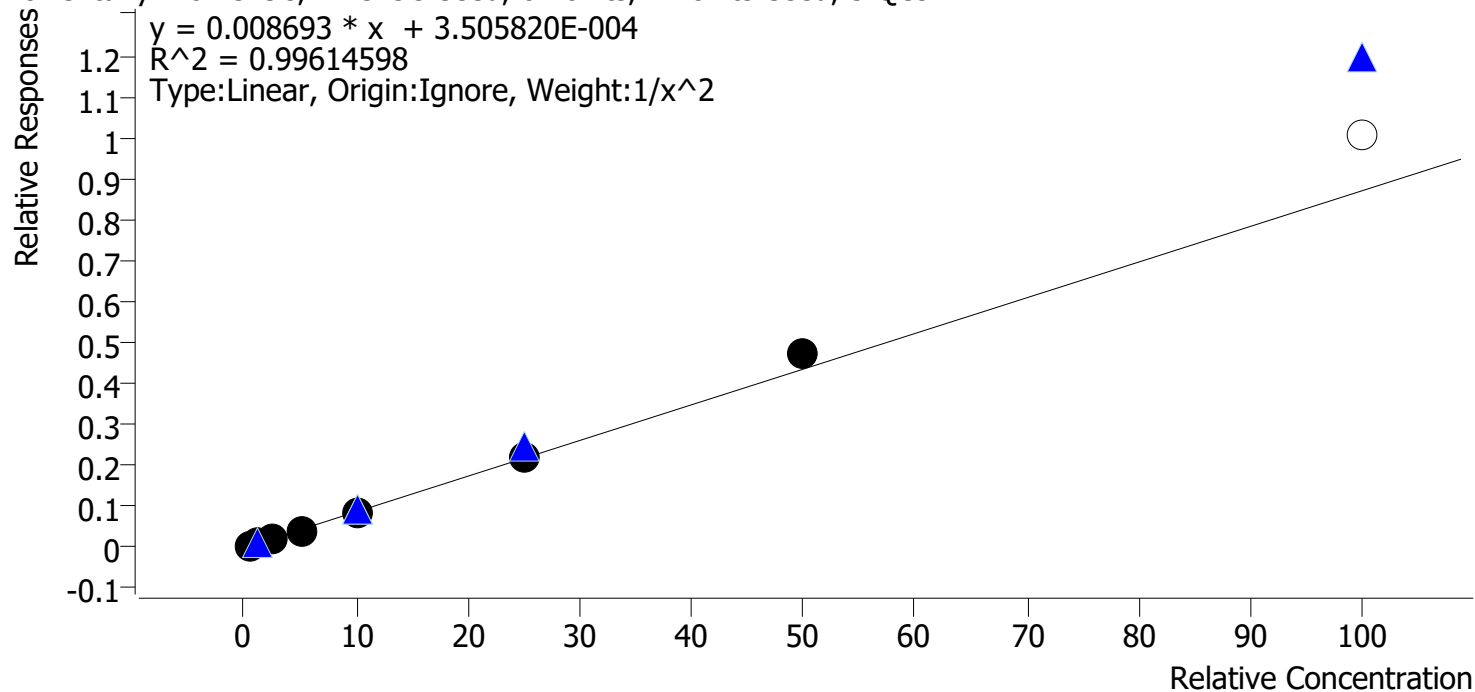
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1 | ✓ | 5.0 | 5.1 | 102.1 |
| cal 2 mdq | 2 | ✓ | 10.0 | 9.8 | 97.7 |
| cal 3 mdq | 3 | ✓ | 25.0 | 24.3 | 97.1 |
| cal 4 mdq | 4 | ✓ | 50.0 | 47.0 | 93.9 |
| cal 5 mdq | 5 | ✓ | 100.0 | 103.3 | 103.3 |
| cal 6 mdq | 6 | ✓ | 250.0 | 250.0 | 100.0 |
| cal 7 mdq | 7 | ✓ | 500.0 | 523.8 | 104.8 |
| cal 8 mdq | 8 | ✓ | 1000.0 | 1010.6 | 101.1 |

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\072821\QuantResults\mdq.batch.bin
Last Cal. Update 7/29/2021 8:19 AM
Analyst Name ISP\datastor
Analyte Norfentanyl **Internal Standard** Norfentanyl-D5

Norfentanyl - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 5 QCs



| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1 | ✓ | 0.5 | 0.5 | 102.1 |
| cal 2 mdq | 2 | ✓ | 1.0 | 1.0 | 99.5 |
| cal 3 mdq | 3 | ✓ | 2.5 | 2.3 | 91.9 |
| cal 4 mdq | 4 | ✓ | 5.0 | 4.9 | 98.0 |
| cal 5 mdq | 5 | ✓ | 10.0 | 9.7 | 97.2 |
| cal 6 mdq | 6 | ✓ | 25.0 | 25.6 | 102.6 |
| cal 7 mdq | 7 | ✓ | 50.0 | 54.4 | 108.8 |
| cal 8 mdq | 8 | x | 100.0 | 115.9 | 115.9 |

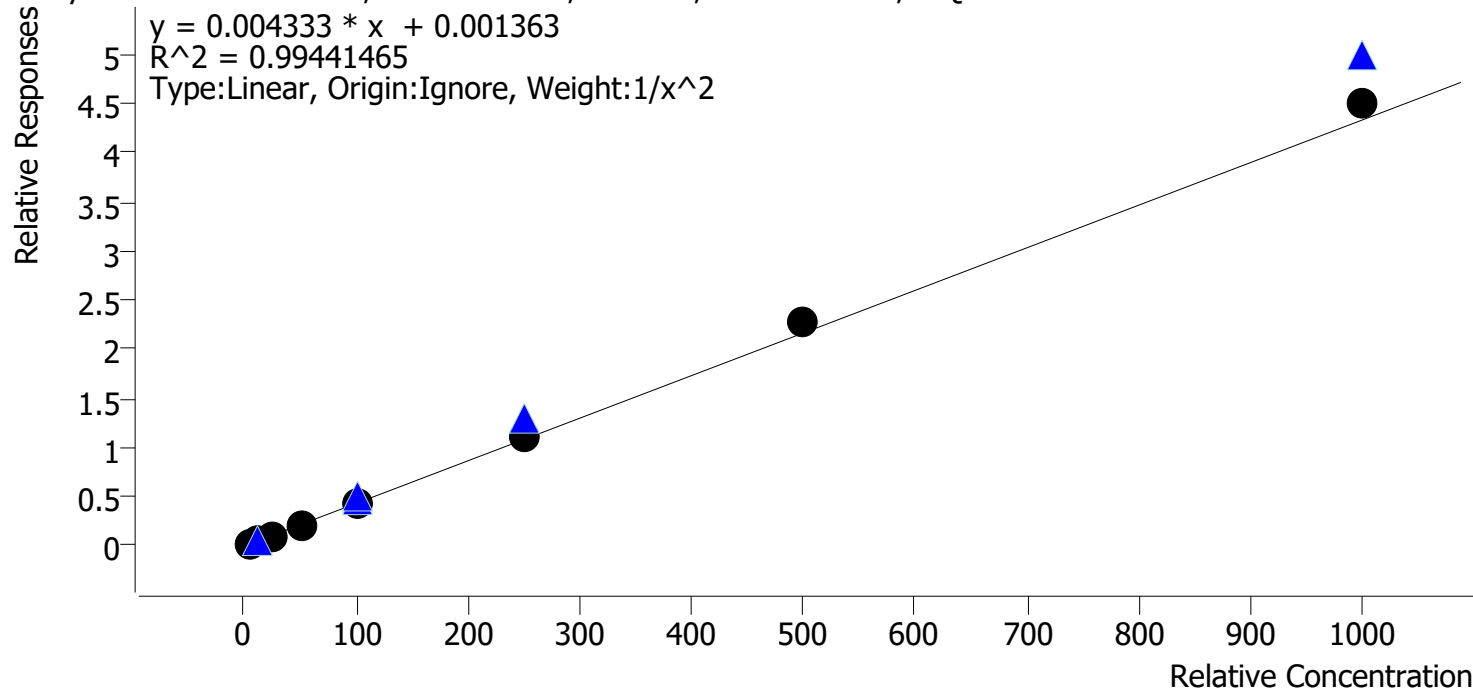
cal 8 dropped accuracy of control

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\072821\QuantResults\mdq.batch.bin
Last Cal. Update 7/29/2021 8:19 AM
Analyst Name ISP\datastor
Analyte Norhydrocodone **Internal Standard** Norhydrocodone-D3

Norhydrocodone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



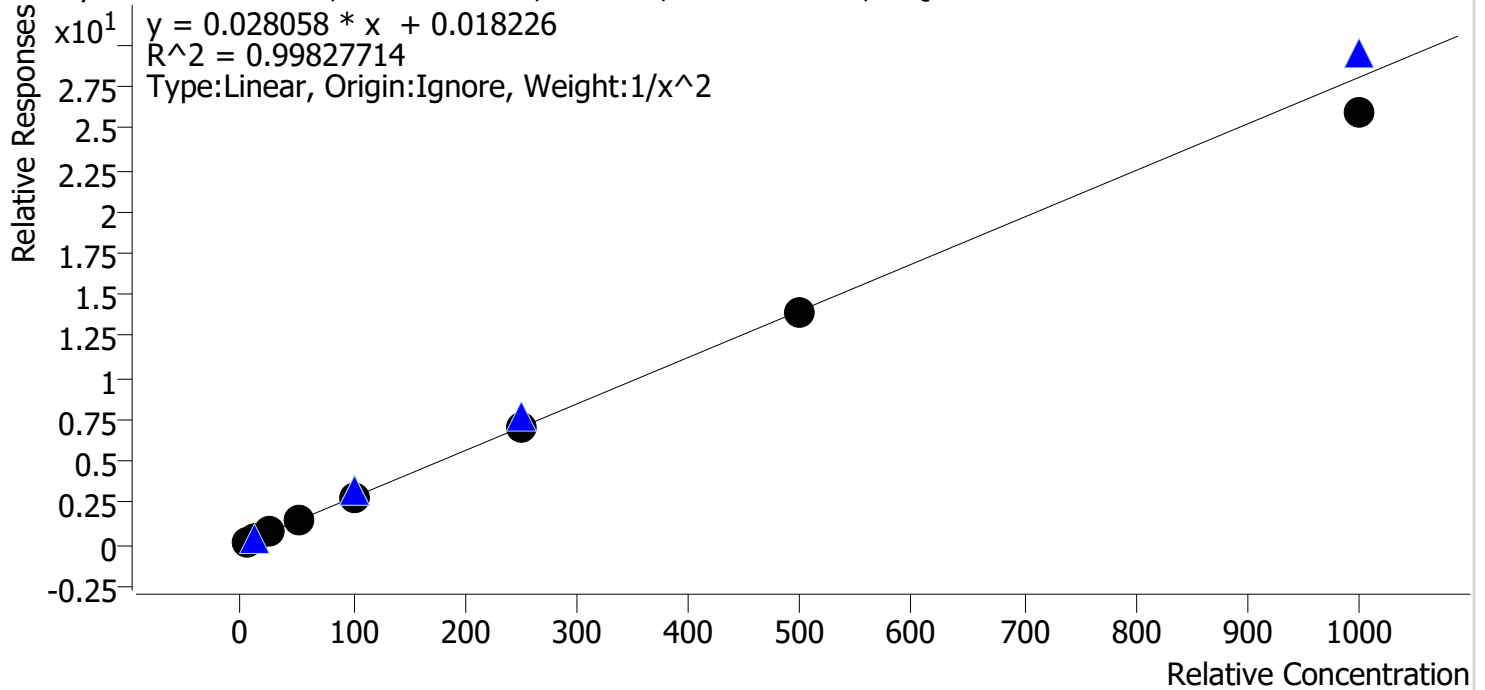
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1 | ✓ | 5.0 | 5.4 | 107.2 |
| cal 2 mdq | 2 | ✓ | 10.0 | 8.9 | 88.6 |
| cal 3 mdq | 3 | ✓ | 25.0 | 22.9 | 91.8 |
| cal 4 mdq | 4 | ✓ | 50.0 | 49.7 | 99.4 |
| cal 5 mdq | 5 | ✓ | 100.0 | 102.0 | 102.0 |
| cal 6 mdq | 6 | ✓ | 250.0 | 255.5 | 102.2 |
| cal 7 mdq | 7 | ✓ | 500.0 | 523.6 | 104.7 |
| cal 8 mdq | 8 | ✓ | 1000.0 | 1041.2 | 104.1 |

Compound Calibration Report



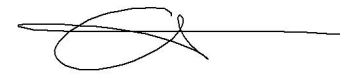
Batch results D:\MassHunter\Data\2021\am 27-28\072821\QuantResults\mdq.batch.bin
Last Cal. Update 7/29/2021 8:19 AM
Analyst Name ISP\datastor
Analyte Noroxycodone **Internal Standard** Noroxycodone-D3

Noroxycodone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs

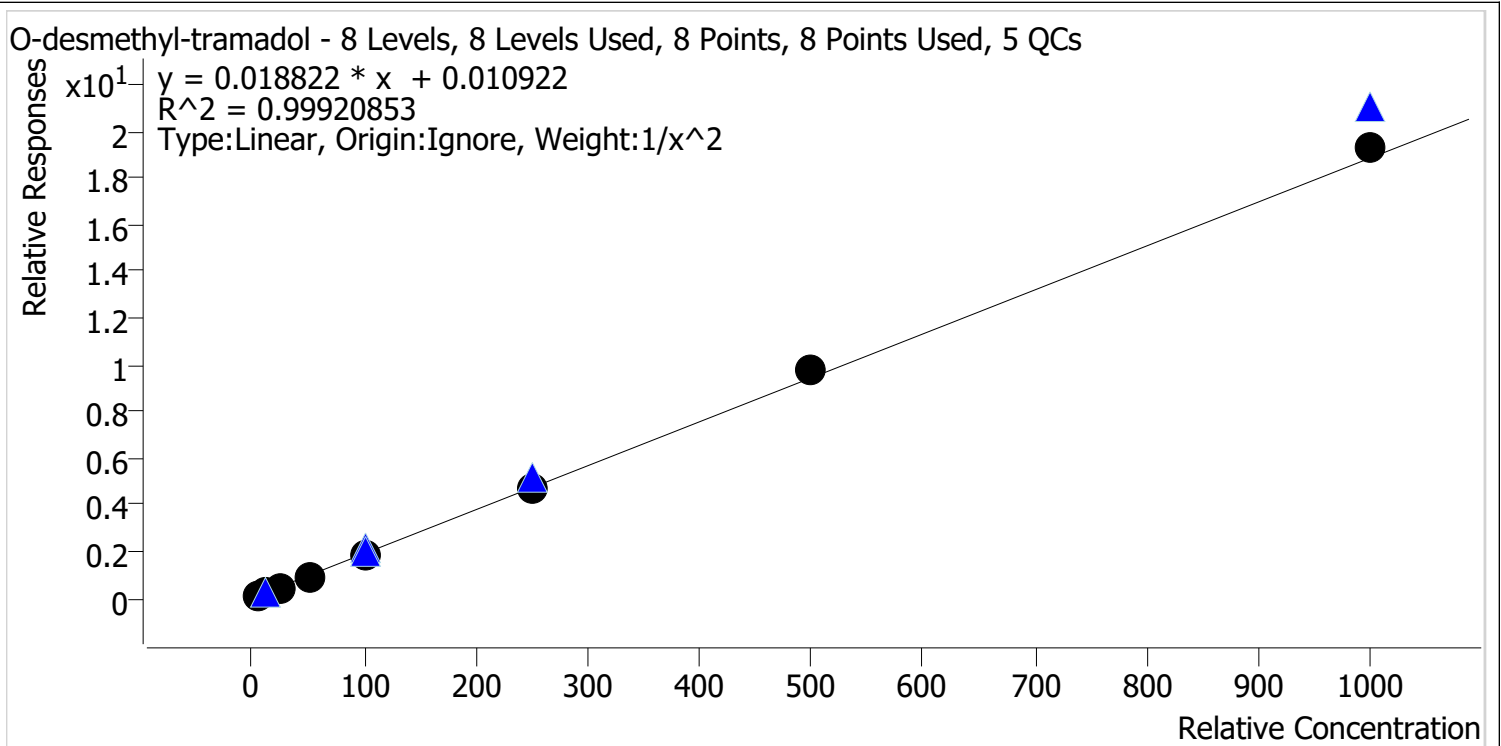


| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1 | ✓ | 5.0 | 4.9 | 97.8 |
| cal 2 mdq | 2 | ✓ | 10.0 | 10.3 | 103.0 |
| cal 3 mdq | 3 | ✓ | 25.0 | 25.4 | 101.6 |
| cal 4 mdq | 4 | ✓ | 50.0 | 51.5 | 103.1 |
| cal 5 mdq | 5 | ✓ | 100.0 | 101.1 | 101.1 |
| cal 6 mdq | 6 | ✓ | 250.0 | 253.4 | 101.4 |
| cal 7 mdq | 7 | ✓ | 500.0 | 499.1 | 99.8 |
| cal 8 mdq | 8 | ✓ | 1000.0 | 921.4 | 92.1 |

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\072821\QuantResults\mdq.batch.bin
Last Cal. Update 7/29/2021 8:19 AM
Analyst Name ISP\datastor
Analyte O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6



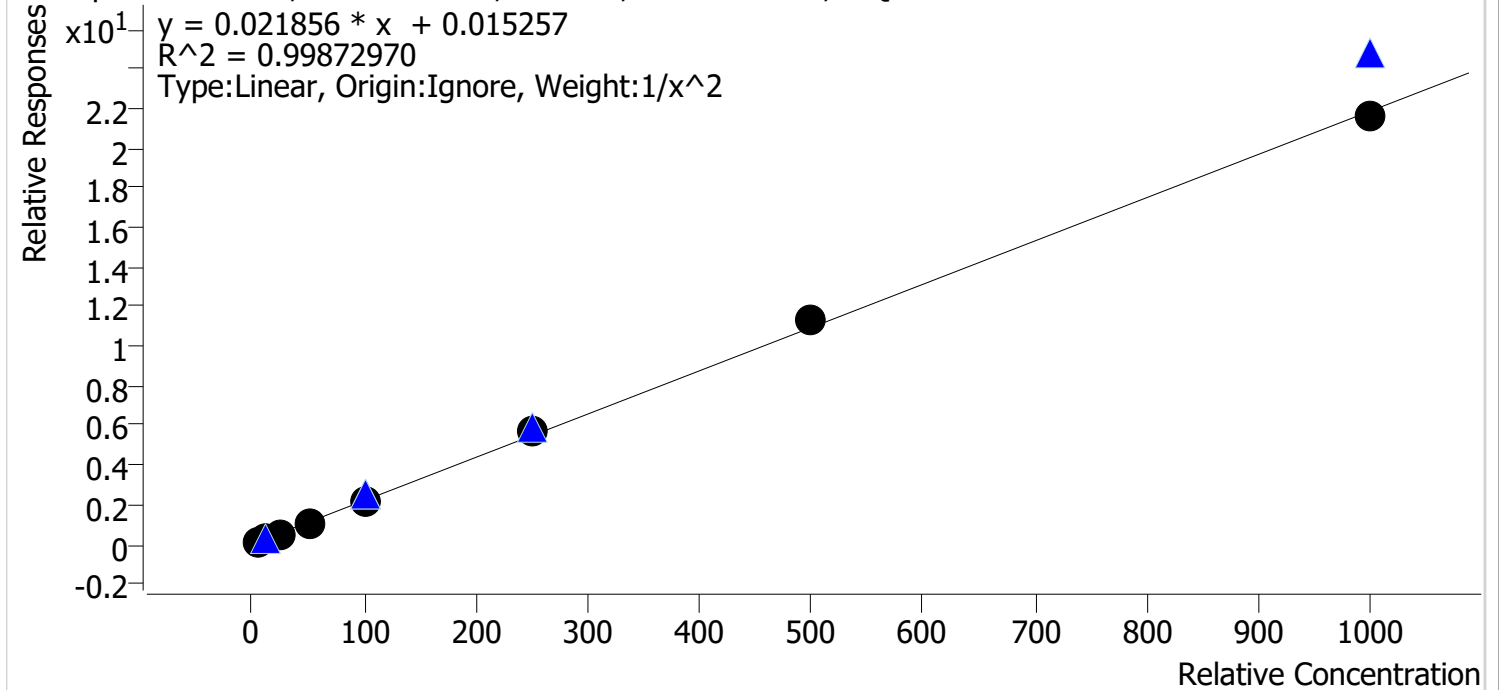
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1 | ✓ | 5.0 | 5.1 | 101.1 |
| cal 2 mdq | 2 | ✓ | 10.0 | 9.9 | 99.4 |
| cal 3 mdq | 3 | ✓ | 25.0 | 24.2 | 96.7 |
| cal 4 mdq | 4 | ✓ | 50.0 | 49.3 | 98.6 |
| cal 5 mdq | 5 | ✓ | 100.0 | 97.9 | 97.9 |
| cal 6 mdq | 6 | ✓ | 250.0 | 248.8 | 99.5 |
| cal 7 mdq | 7 | ✓ | 500.0 | 519.5 | 103.9 |
| cal 8 mdq | 8 | ✓ | 1000.0 | 1027.7 | 102.8 |

Compound Calibration Report



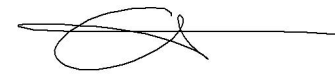
Batch results D:\MassHunter\Data\2021\am 27-28\072821\QuantResults\mdq.batch.bin
Last Cal. Update 7/29/2021 8:19 AM
Analyst Name ISP\datastor
Analyte Oxazepam **Internal Standard** Oxazepam-D5

Oxazepam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



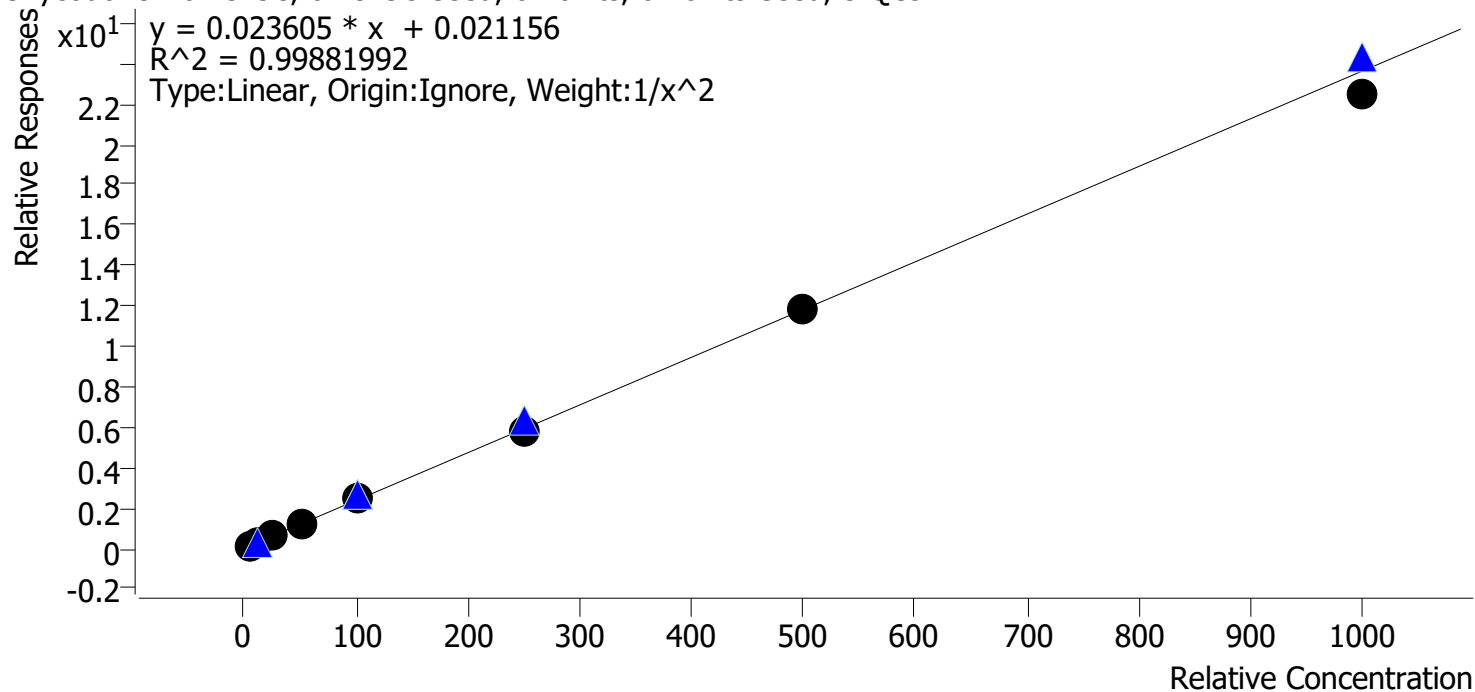
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1 | ✓ | 5.0 | 5.0 | 100.5 |
| cal 2 mdq | 2 | ✓ | 10.0 | 10.2 | 101.6 |
| cal 3 mdq | 3 | ✓ | 25.0 | 23.3 | 93.2 |
| cal 4 mdq | 4 | ✓ | 50.0 | 50.0 | 100.0 |
| cal 5 mdq | 5 | ✓ | 100.0 | 99.6 | 99.6 |
| cal 6 mdq | 6 | ✓ | 250.0 | 257.5 | 103.0 |
| cal 7 mdq | 7 | ✓ | 500.0 | 514.2 | 102.8 |
| cal 8 mdq | 8 | ✓ | 1000.0 | 992.6 | 99.3 |

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\072821\QuantResults\mdq.batch.bin
Last Cal. Update 7/29/2021 8:19 AM
Analyst Name ISP\datastor
Analyte Oxycodone **Internal Standard** Oxycodone-D6

Oxycodone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



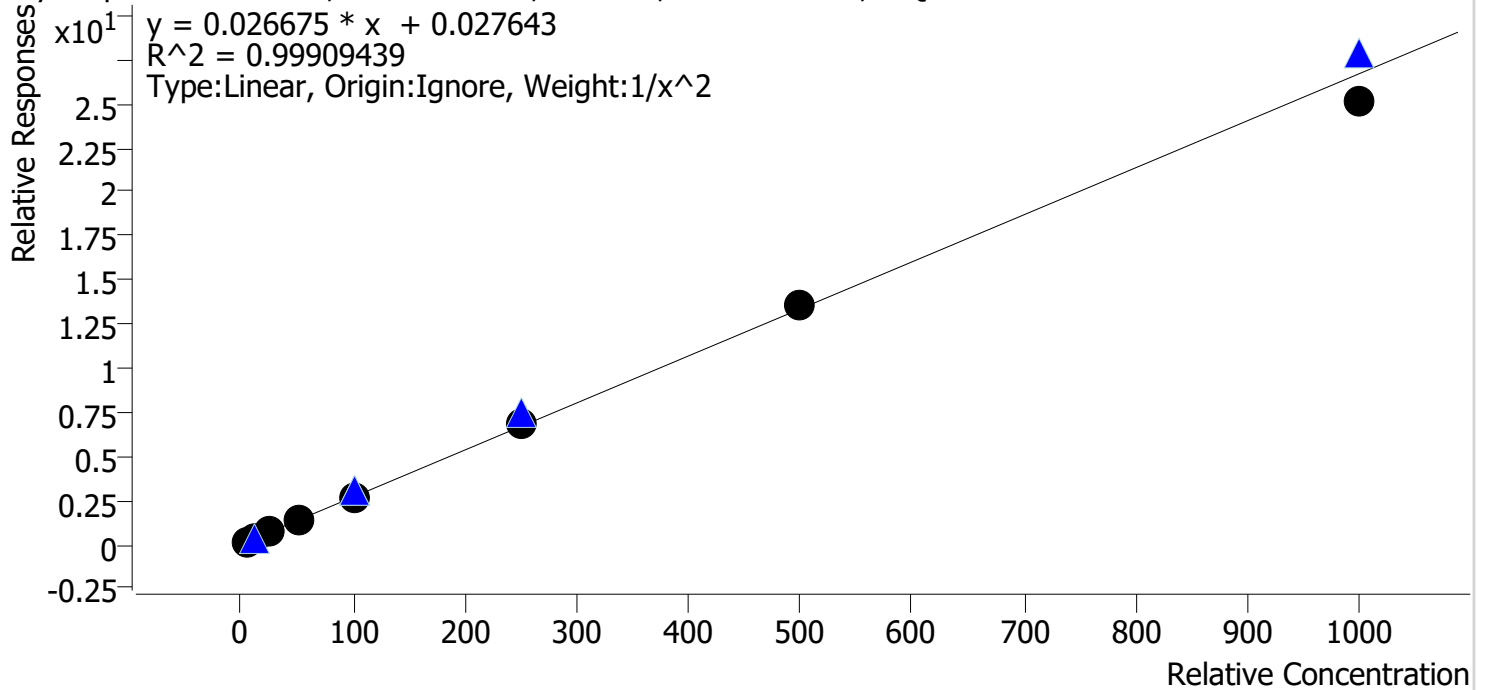
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1 | ✓ | 5.0 | 4.9 | 97.3 |
| cal 2 mdq | 2 | ✓ | 10.0 | 10.5 | 104.8 |
| cal 3 mdq | 3 | ✓ | 25.0 | 25.0 | 100.2 |
| cal 4 mdq | 4 | ✓ | 50.0 | 50.9 | 101.8 |
| cal 5 mdq | 5 | ✓ | 100.0 | 101.7 | 101.7 |
| cal 6 mdq | 6 | ✓ | 250.0 | 246.3 | 98.5 |
| cal 7 mdq | 7 | ✓ | 500.0 | 502.6 | 100.5 |
| cal 8 mdq | 8 | ✓ | 1000.0 | 951.5 | 95.1 |

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\072821\QuantResults\mdq.batch.bin
Last Cal. Update 7/29/2021 8:19 AM
Analyst Name ISP\datastor
Analyte Oxymorphone **Internal Standard** Oxymorphone-D3

Oxymorphone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1 | ✓ | 5.0 | 4.9 | 98.8 |
| cal 2 mdq | 2 | ✓ | 10.0 | 10.2 | 101.8 |
| cal 3 mdq | 3 | ✓ | 25.0 | 25.1 | 100.4 |
| cal 4 mdq | 4 | ✓ | 50.0 | 50.6 | 101.2 |
| cal 5 mdq | 5 | ✓ | 100.0 | 100.9 | 100.9 |
| cal 6 mdq | 6 | ✓ | 250.0 | 253.5 | 101.4 |
| cal 7 mdq | 7 | ✓ | 500.0 | 507.2 | 101.4 |
| cal 8 mdq | 8 | ✓ | 1000.0 | 939.5 | 94.0 |

Compound Calibration Report

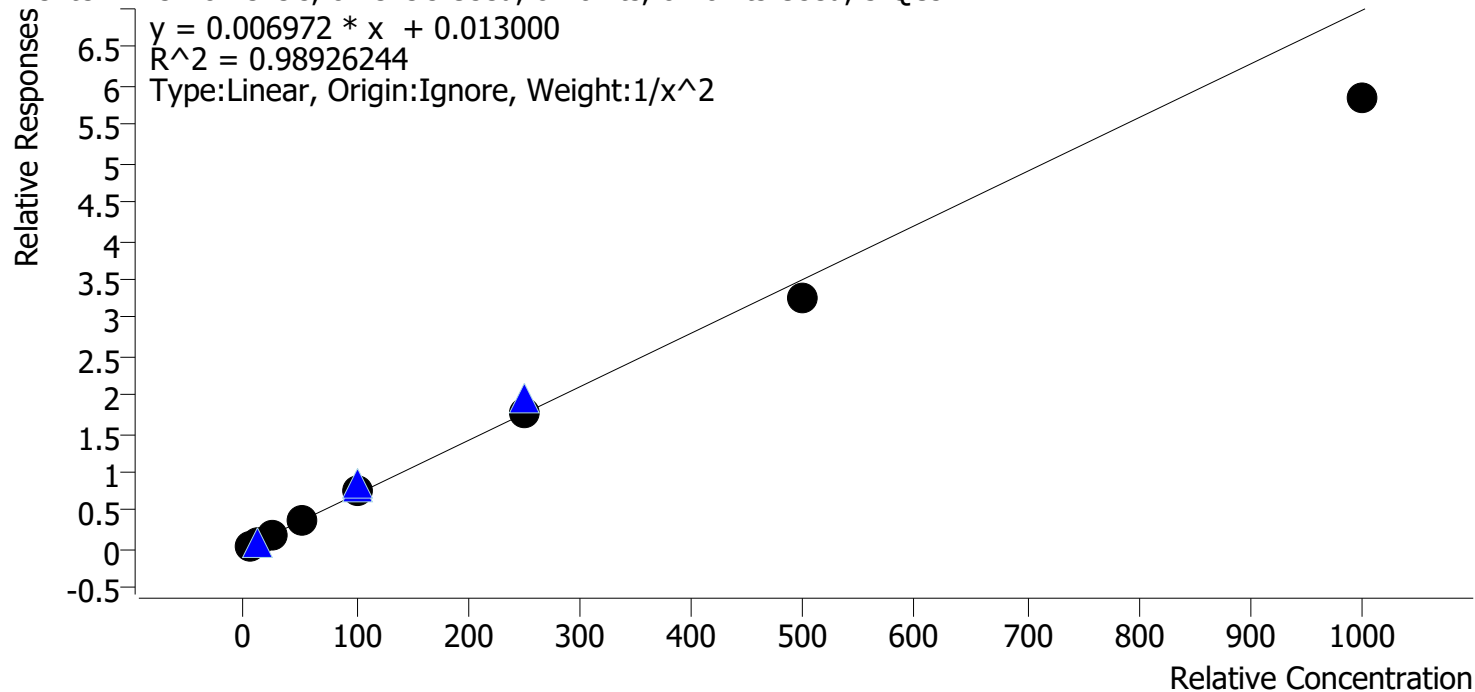


Batch results D:\MassHunter\Data\2021\am 27-28\072821\QuantResults\mdq.batch.bin
Last Cal. Update 7/29/2021 8:19 AM
Analyst Name ISP\datastor
Analyte Phentermine

Internal Standard

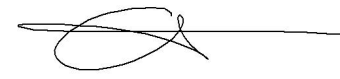
Phentermine-D5

Phentermine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



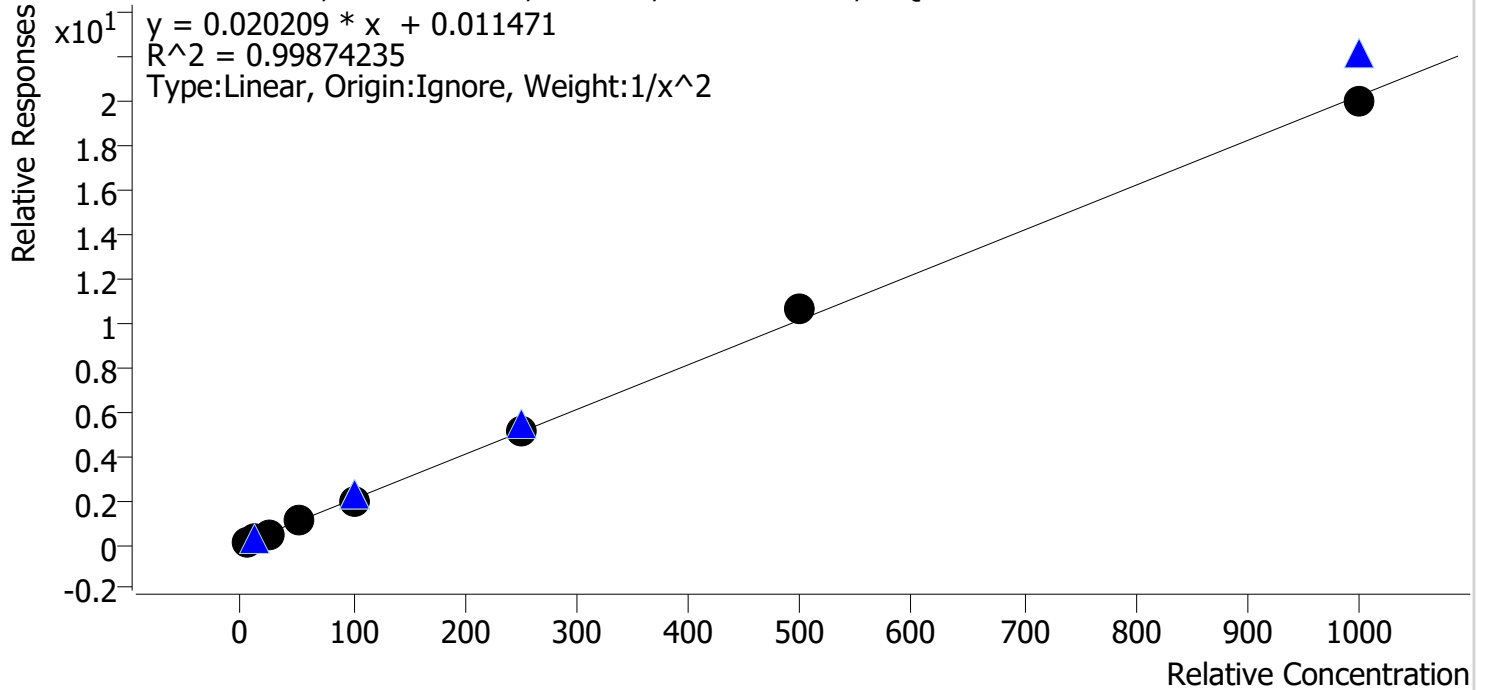
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1 | ✓ | 5.0 | 4.7 | 93.7 |
| cal 2 mdq | 2 | ✓ | 10.0 | 10.8 | 107.6 |
| cal 3 mdq | 3 | ✓ | 25.0 | 26.8 | 107.3 |
| cal 4 mdq | 4 | ✓ | 50.0 | 54.3 | 108.7 |
| cal 5 mdq | 5 | ✓ | 100.0 | 105.6 | 105.6 |
| cal 6 mdq | 6 | ✓ | 250.0 | 251.0 | 100.4 |
| cal 7 mdq | 7 | ✓ | 500.0 | 464.8 | 93.0 |
| cal 8 mdq | 8 | ✓ | 1000.0 | 837.2 | 83.7 |

Compound Calibration Report



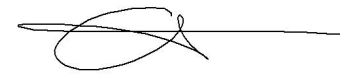
Batch results D:\MassHunter\Data\2021\am 27-28\072821\QuantResults\mdq.batch.bin
Last Cal. Update 7/29/2021 8:19 AM
Analyst Name ISP\datastor
Analyte Promethazine **Internal Standard** Promethazine-D3

Promethazine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



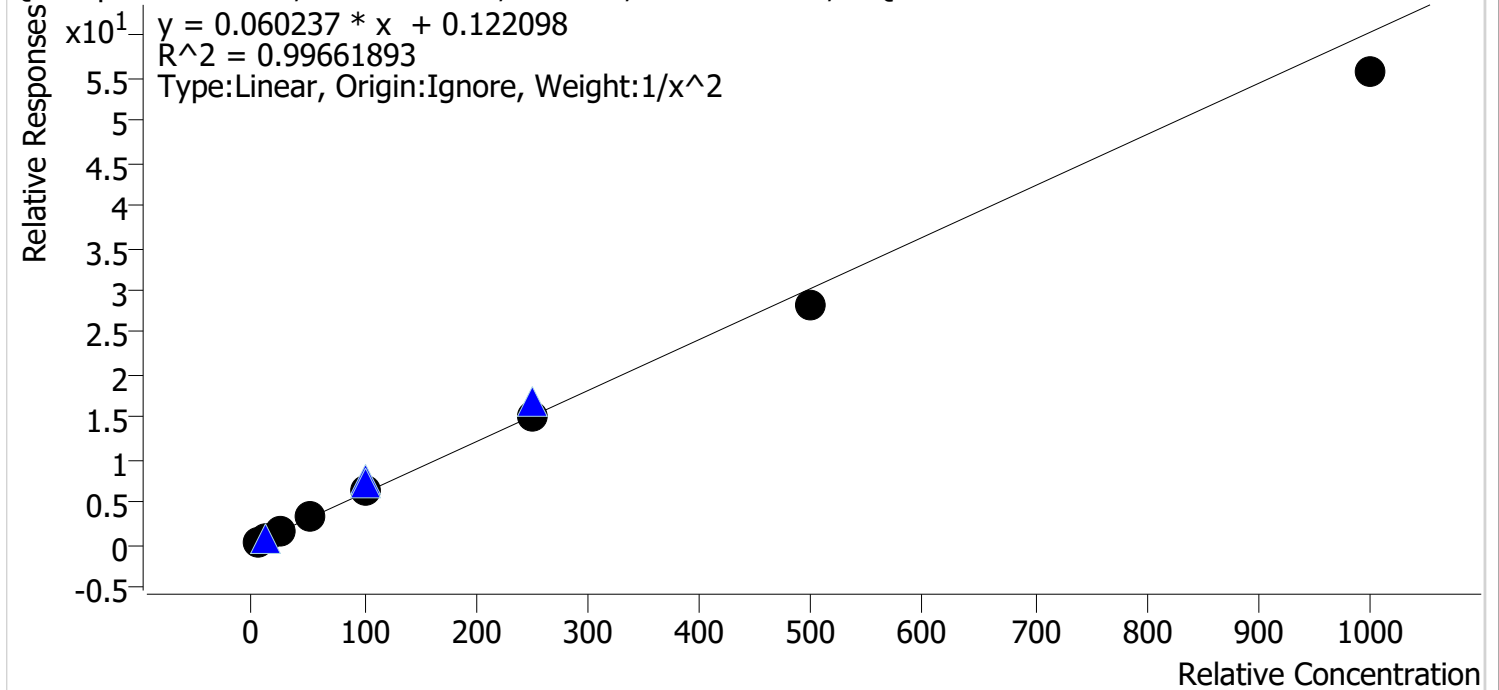
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1 | ✓ | 5.0 | 5.1 | 102.0 |
| cal 2 mdq | 2 | ✓ | 10.0 | 9.8 | 97.7 |
| cal 3 mdq | 3 | ✓ | 25.0 | 24.1 | 96.3 |
| cal 4 mdq | 4 | ✓ | 50.0 | 49.6 | 99.1 |
| cal 5 mdq | 5 | ✓ | 100.0 | 98.2 | 98.2 |
| cal 6 mdq | 6 | ✓ | 250.0 | 255.7 | 102.3 |
| cal 7 mdq | 7 | ✓ | 500.0 | 528.6 | 105.7 |
| cal 8 mdq | 8 | ✓ | 1000.0 | 987.2 | 98.7 |

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\072821\QuantResults\mdq.batch.bin
Last Cal. Update 7/29/2021 8:19 AM
Analyst Name ISP\datastor
Analyte Quetiapine **Internal Standard** Quetiapine-D8

Quetiapine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



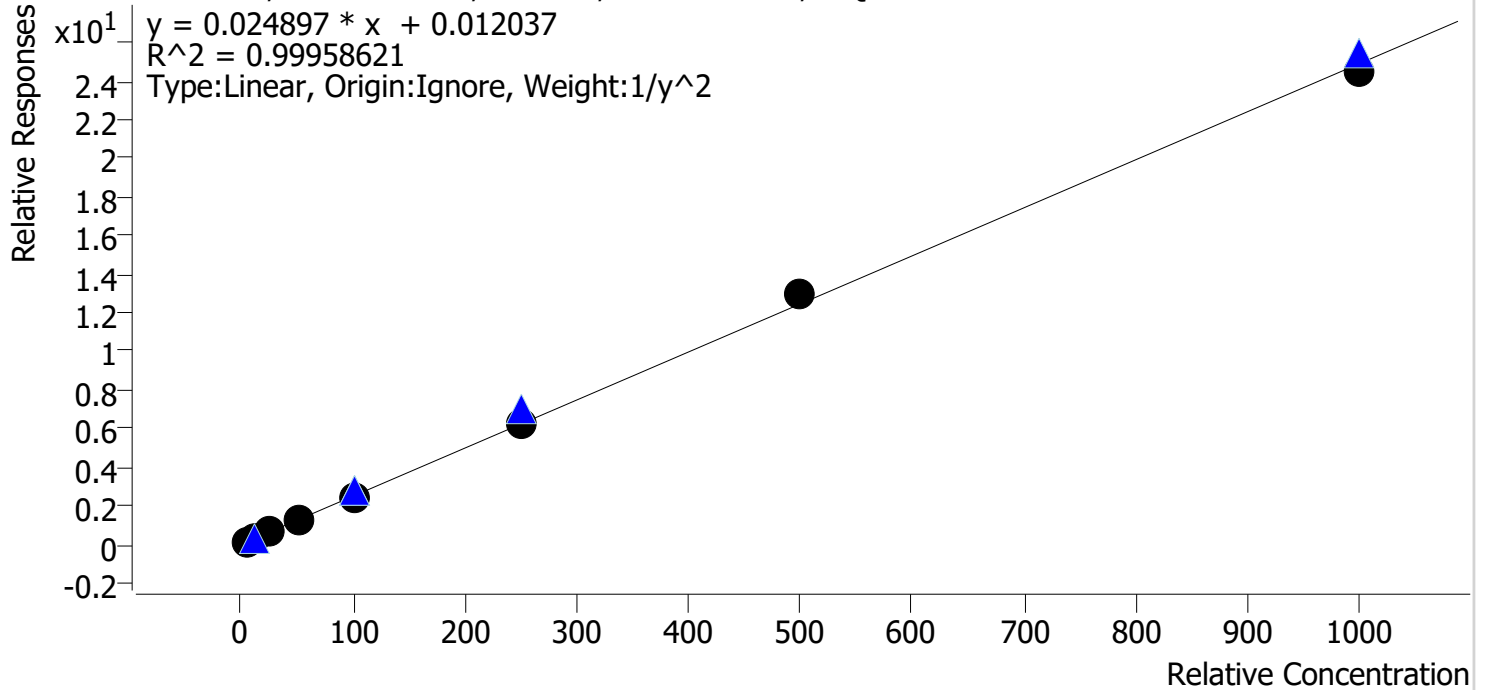
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1 | ✓ | 5.0 | 4.9 | 97.7 |
| cal 2 mdq | 2 | ✓ | 10.0 | 10.1 | 101.1 |
| cal 3 mdq | 3 | ✓ | 25.0 | 26.3 | 105.4 |
| cal 4 mdq | 4 | ✓ | 50.0 | 53.1 | 106.1 |
| cal 5 mdq | 5 | ✓ | 100.0 | 103.6 | 103.6 |
| cal 6 mdq | 6 | ✓ | 250.0 | 249.3 | 99.7 |
| cal 7 mdq | 7 | ✓ | 500.0 | 468.6 | 93.7 |
| cal 8 mdq | 8 | ✓ | 1000.0 | 926.7 | 92.7 |

Compound Calibration Report



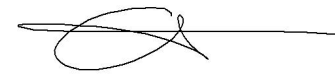
Batch results D:\MassHunter\Data\2021\am 27-28\072821\QuantResults\mdq.batch.bin
Last Cal. Update 7/29/2021 8:19 AM
Analyst Name ISP\datastor
Analyte Sertraline **Internal Standard** Sertraline-D3

Sertraline - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



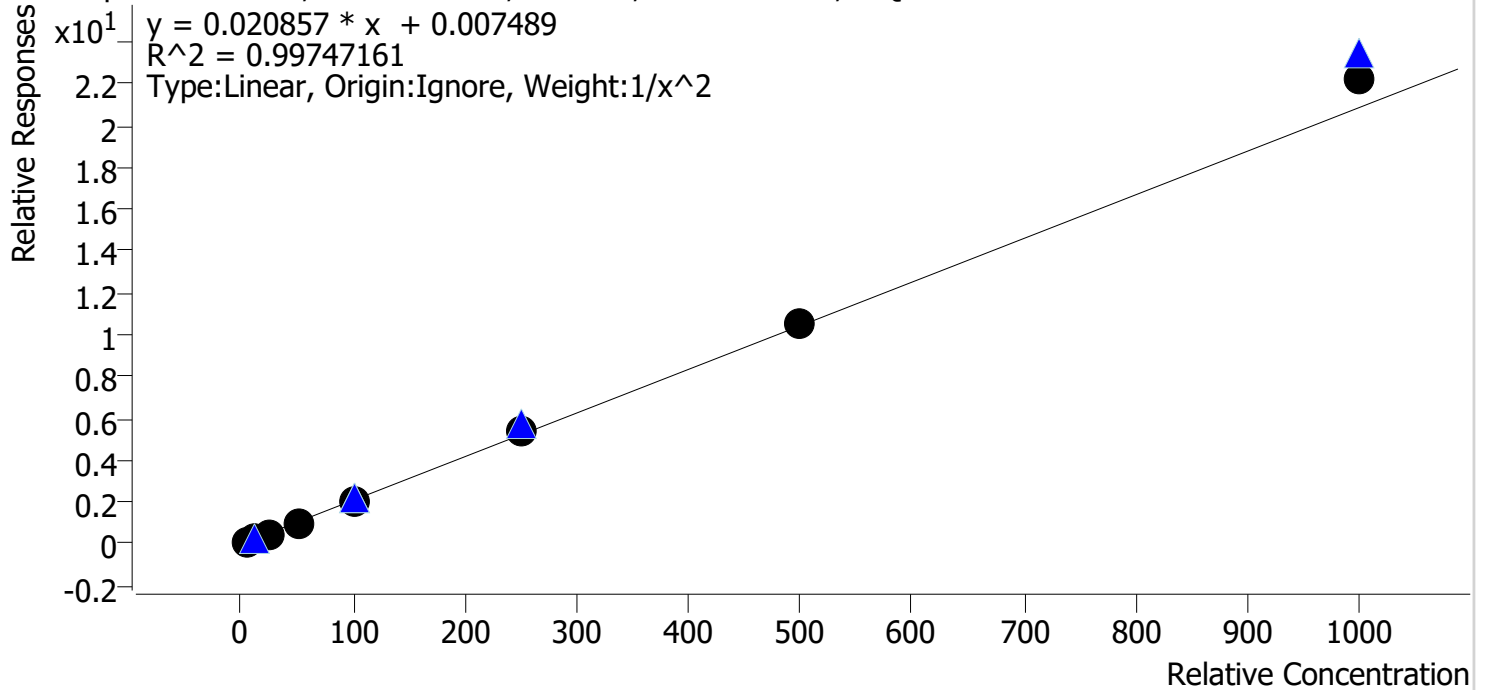
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1 | ✓ | 5.0 | 5.0 | 100.9 |
| cal 2 mdq | 2 | ✓ | 10.0 | 9.8 | 98.4 |
| cal 3 mdq | 3 | ✓ | 25.0 | 25.1 | 100.4 |
| cal 4 mdq | 4 | ✓ | 50.0 | 49.8 | 99.5 |
| cal 5 mdq | 5 | ✓ | 100.0 | 98.9 | 98.9 |
| cal 6 mdq | 6 | ✓ | 250.0 | 251.3 | 100.5 |
| cal 7 mdq | 7 | ✓ | 500.0 | 518.4 | 103.7 |
| cal 8 mdq | 8 | ✓ | 1000.0 | 980.3 | 98.0 |

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\072821\QuantResults\mdq.batch.bin
Last Cal. Update 7/29/2021 8:19 AM
Analyst Name ISP\datastor
Analyte Temazepam **Internal Standard** Temazepam-D5

Temazepam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



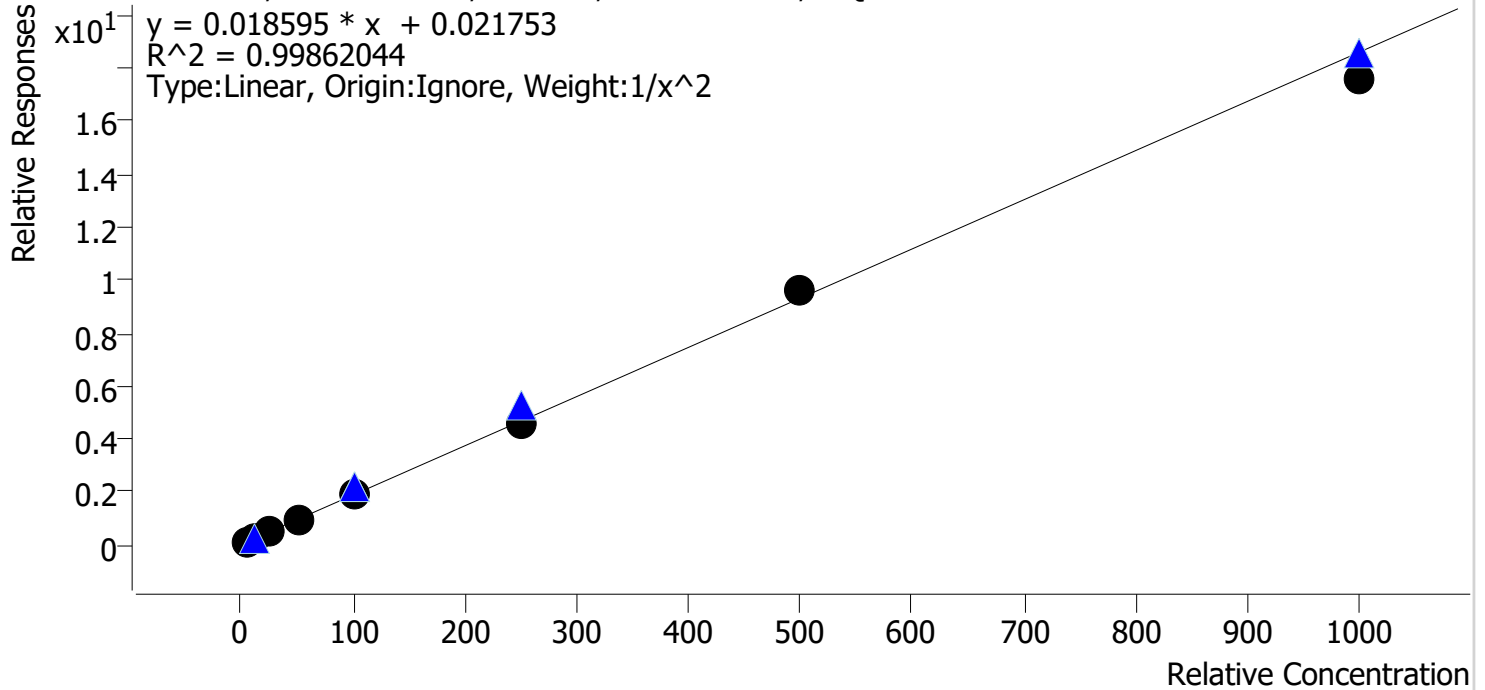
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1 | ✓ | 5.0 | 5.0 | 100.4 |
| cal 2 mdq | 2 | ✓ | 10.0 | 10.2 | 102.1 |
| cal 3 mdq | 3 | ✓ | 25.0 | 24.2 | 96.6 |
| cal 4 mdq | 4 | ✓ | 50.0 | 46.9 | 93.7 |
| cal 5 mdq | 5 | ✓ | 100.0 | 95.7 | 95.7 |
| cal 6 mdq | 6 | ✓ | 250.0 | 258.0 | 103.2 |
| cal 7 mdq | 7 | ✓ | 500.0 | 507.2 | 101.4 |
| cal 8 mdq | 8 | ✓ | 1000.0 | 1069.1 | 106.9 |

Compound Calibration Report



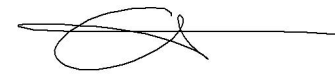
Batch results D:\MassHunter\Data\2021\am 27-28\072821\QuantResults\mdq.batch.bin
Last Cal. Update 7/29/2021 8:19 AM
Analyst Name ISP\datastor
Analyte Tramadol **Internal Standard** Tramadol-13C-D3

Tramadol - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1 | ✓ | 5.0 | 4.9 | 98.4 |
| cal 2 mdq | 2 | ✓ | 10.0 | 10.2 | 102.0 |
| cal 3 mdq | 3 | ✓ | 25.0 | 25.4 | 101.7 |
| cal 4 mdq | 4 | ✓ | 50.0 | 51.3 | 102.6 |
| cal 5 mdq | 5 | ✓ | 100.0 | 100.9 | 100.9 |
| cal 6 mdq | 6 | ✓ | 250.0 | 241.5 | 96.6 |
| cal 7 mdq | 7 | ✓ | 500.0 | 517.9 | 103.6 |
| cal 8 mdq | 8 | ✓ | 1000.0 | 943.3 | 94.3 |

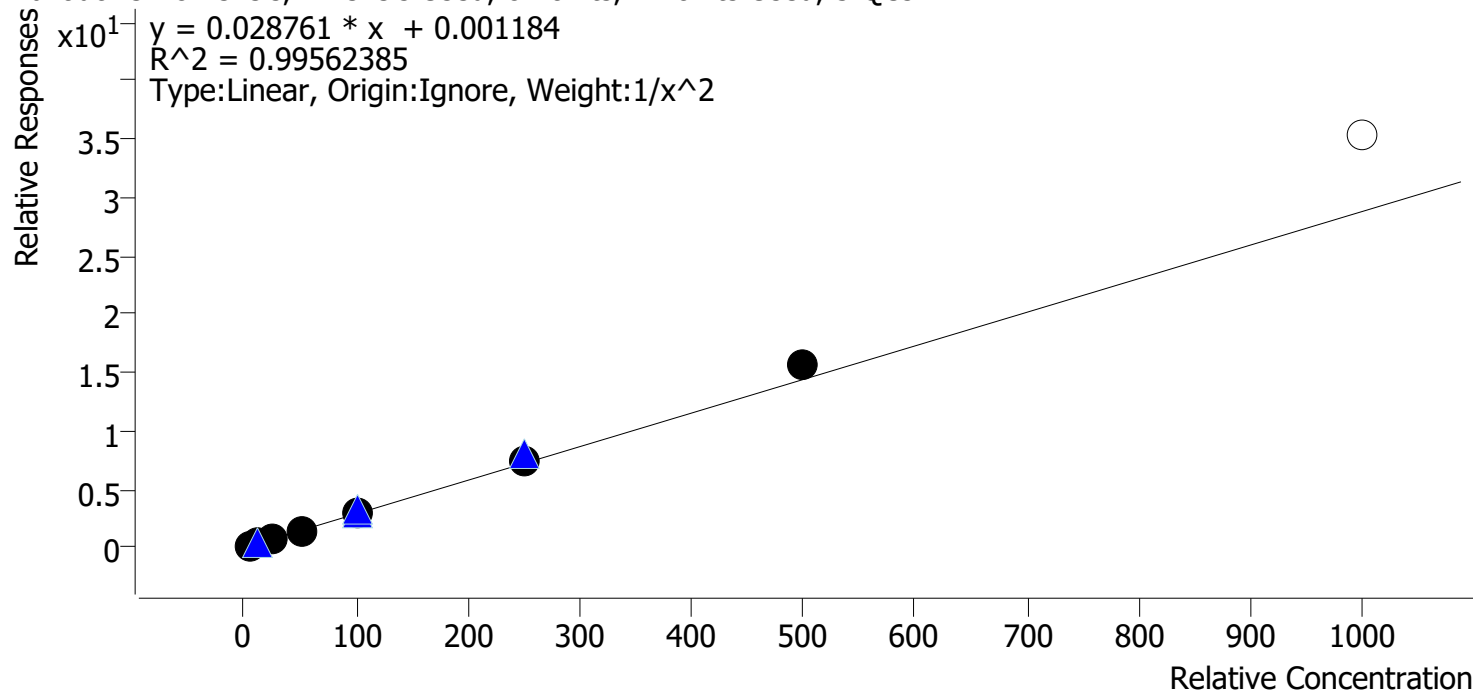
Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\072821\QuantResults\mdq.batch.bin
Last Cal. Update 7/29/2021 8:19 AM
Analyst Name ISP\datastor
Analyte Trazodone

Internal Standard Trazodone-D6

Trazodone - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 5 QCs



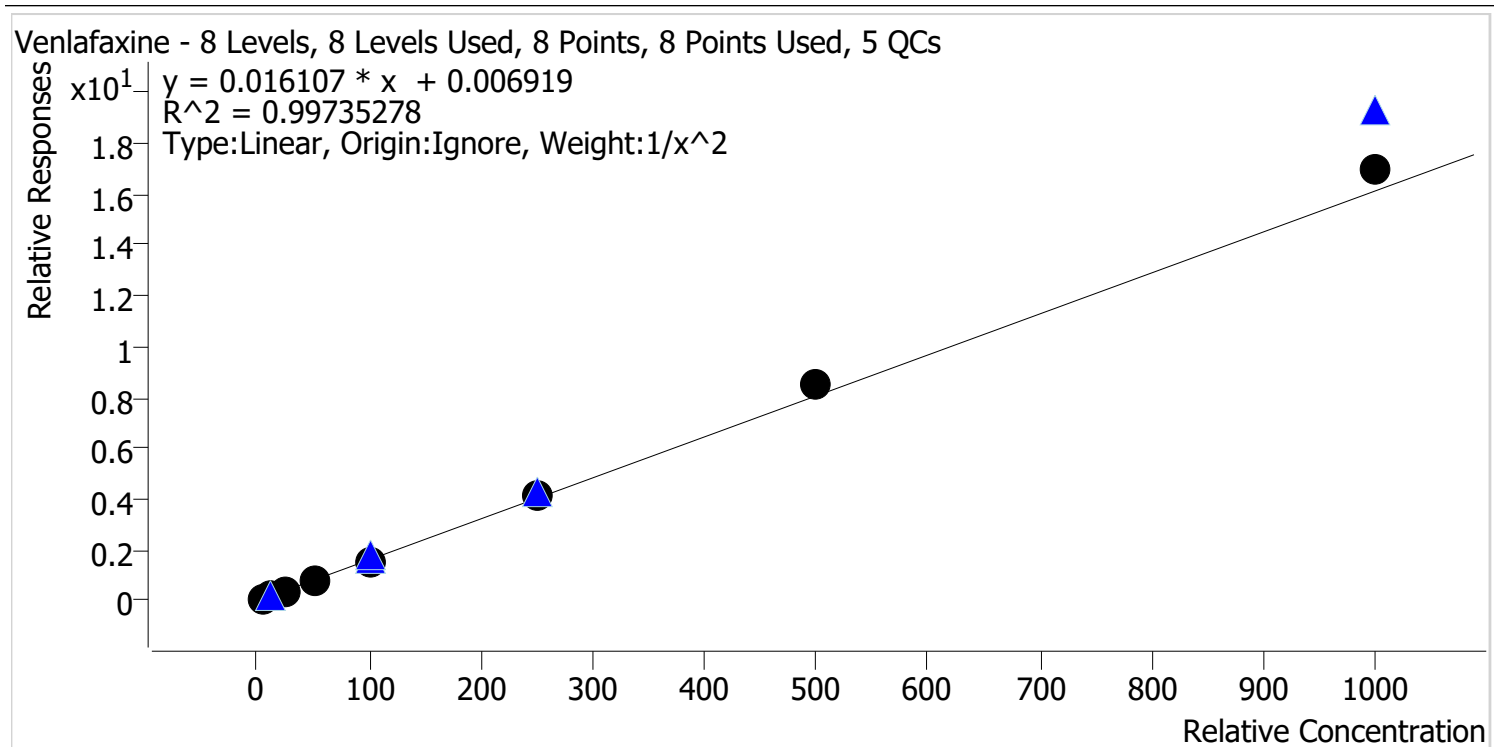
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1 | ✓ | 5.0 | 5.2 | 103.6 |
| cal 2 mdq | 2 | ✓ | 10.0 | 9.6 | 96.0 |
| cal 3 mdq | 3 | ✓ | 25.0 | 23.4 | 93.6 |
| cal 4 mdq | 4 | ✓ | 50.0 | 47.8 | 95.6 |
| cal 5 mdq | 5 | ✓ | 100.0 | 98.2 | 98.2 |
| cal 6 mdq | 6 | ✓ | 250.0 | 260.4 | 104.2 |
| cal 7 mdq | 7 | ✓ | 500.0 | 544.2 | 108.8 |
| cal 8 mdq | 8 | ✗ | 1000.0 | 1233.0 | 123.3 |

cal 8 dropped accuracy

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\072821\QuantResults\mdq.batch.bin
Last Cal. Update 7/29/2021 8:19 AM
Analyst Name ISP\datastor
Analyte Venlafaxine **Internal Standard** Venlafaxine-D6



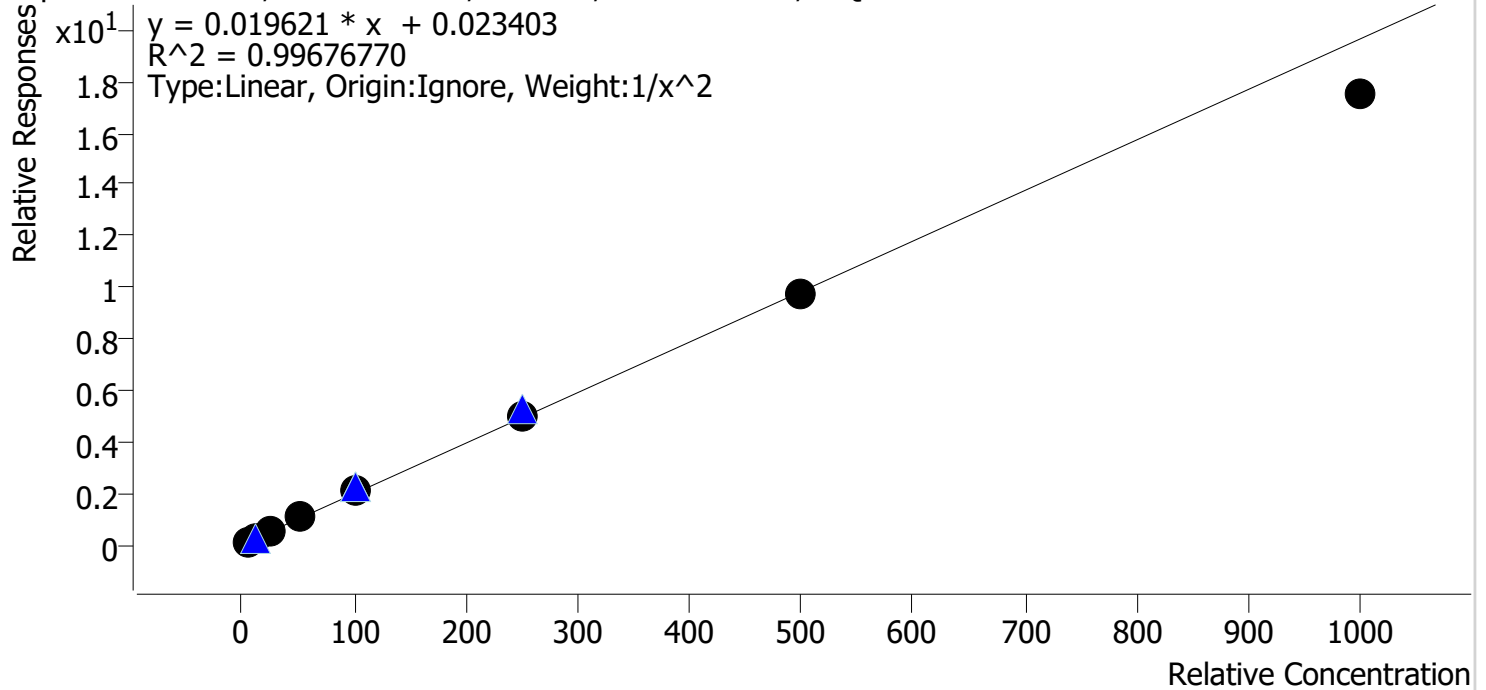
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1 | ✓ | 5.0 | 5.1 | 102.7 |
| cal 2 mdq | 2 | ✓ | 10.0 | 9.7 | 97.4 |
| cal 3 mdq | 3 | ✓ | 25.0 | 24.0 | 95.9 |
| cal 4 mdq | 4 | ✓ | 50.0 | 47.4 | 94.8 |
| cal 5 mdq | 5 | ✓ | 100.0 | 96.1 | 96.1 |
| cal 6 mdq | 6 | ✓ | 250.0 | 254.7 | 101.9 |
| cal 7 mdq | 7 | ✓ | 500.0 | 529.3 | 105.9 |
| cal 8 mdq | 8 | ✓ | 1000.0 | 1053.6 | 105.4 |

Compound Calibration Report



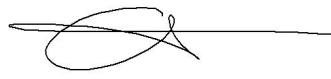
Batch results D:\MassHunter\Data\2021\am 27-28\072821\QuantResults\mdq.batch.bin
Last Cal. Update 7/29/2021 8:19 AM
Analyst Name ISP\datastor
Analyte Zolpidem **Internal Standard** Zolpidem-D6

Zolpidem - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



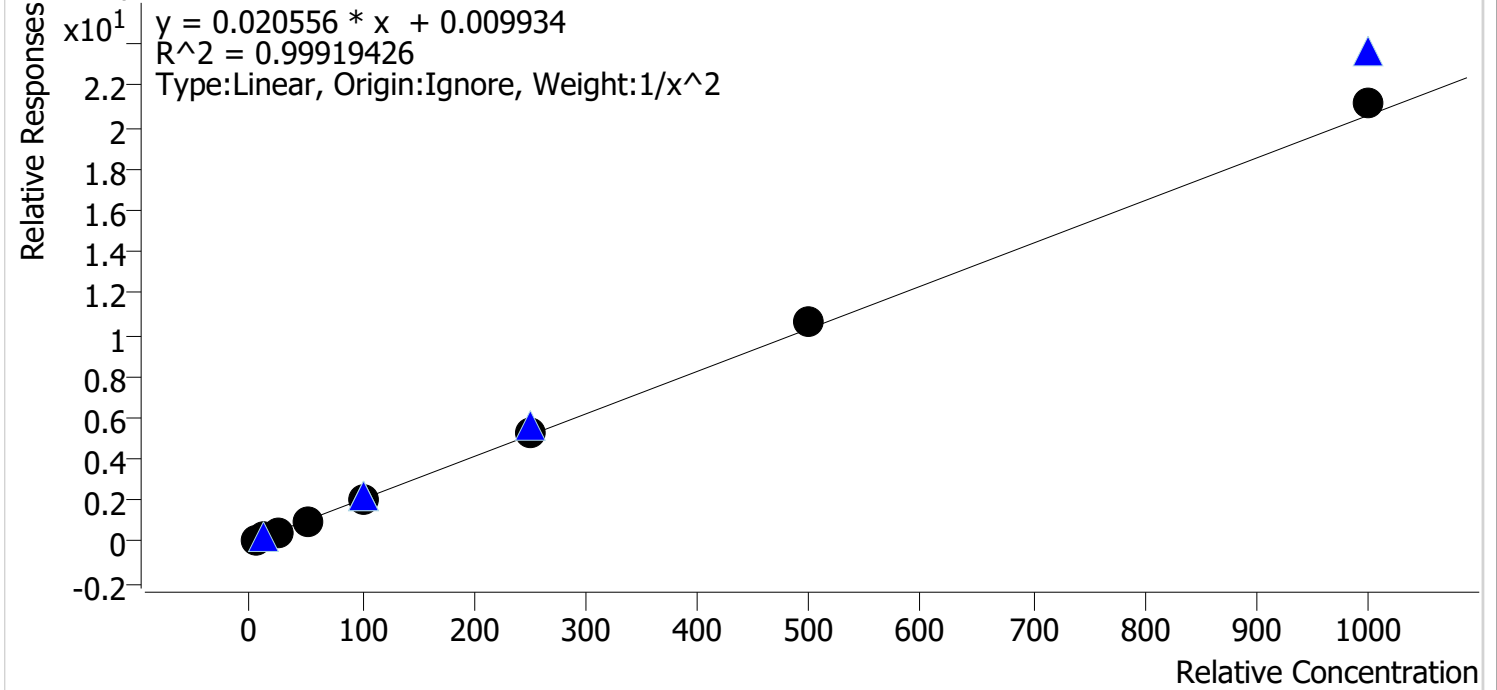
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1 | ✓ | 5.0 | 4.9 | 98.2 |
| cal 2 mdq | 2 | ✓ | 10.0 | 10.2 | 101.6 |
| cal 3 mdq | 3 | ✓ | 25.0 | 25.4 | 101.5 |
| cal 4 mdq | 4 | ✓ | 50.0 | 52.8 | 105.5 |
| cal 5 mdq | 5 | ✓ | 100.0 | 103.7 | 103.7 |
| cal 6 mdq | 6 | ✓ | 250.0 | 253.7 | 101.5 |
| cal 7 mdq | 7 | ✓ | 500.0 | 493.6 | 98.7 |
| cal 8 mdq | 8 | ✓ | 1000.0 | 892.7 | 89.3 |

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\072821\QuantResults\mdq.batch.bin
Last Cal. Update 7/29/2021 8:19 AM
Analyst Name ISP\datastor
Analyte Pseudoephedrine **Internal Standard** Pseudoephedrine-D3

Pseudoephedrine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



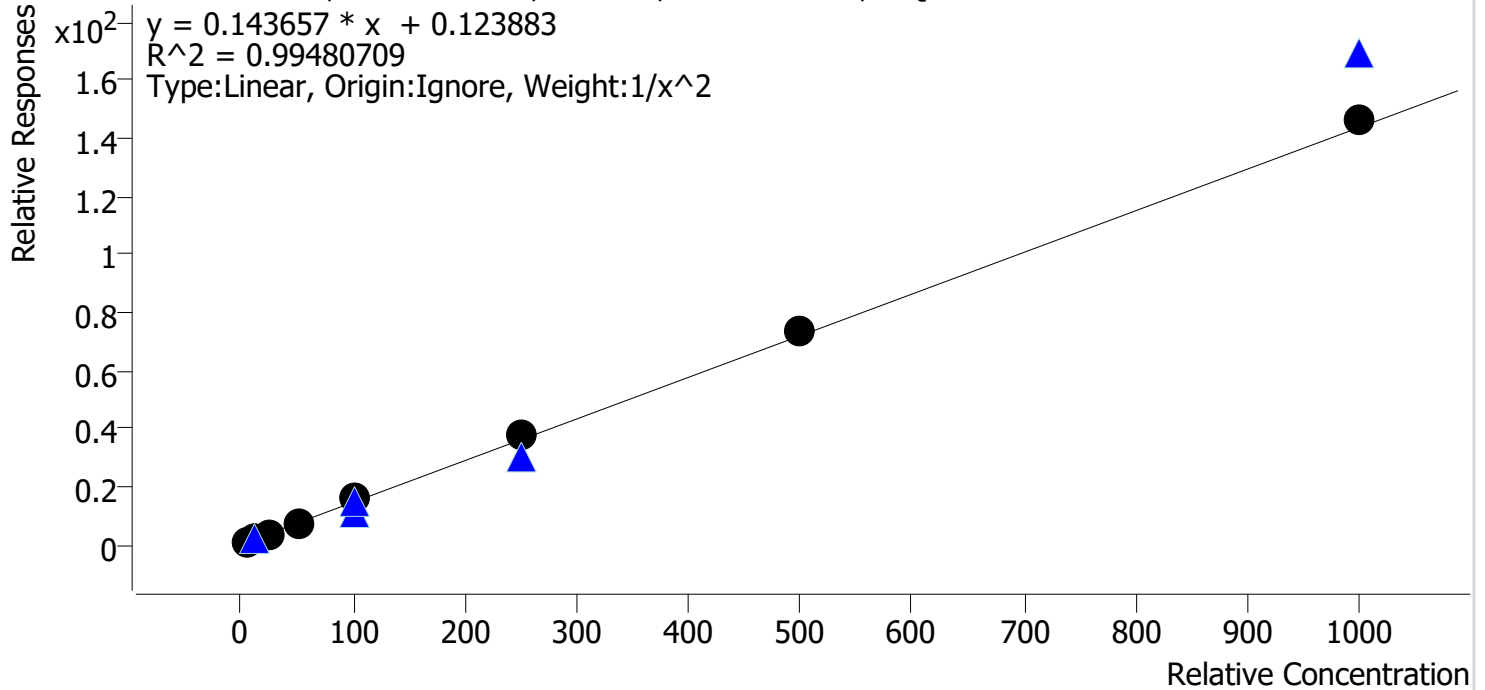
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1 | ✓ | 5.0 | 5.1 | 101.3 |
| cal 2 mdq | 2 | ✓ | 10.0 | 9.9 | 99.2 |
| cal 3 mdq | 3 | ✓ | 25.0 | 24.2 | 97.0 |
| cal 4 mdq | 4 | ✓ | 50.0 | 49.0 | 98.1 |
| cal 5 mdq | 5 | ✓ | 100.0 | 97.5 | 97.5 |
| cal 6 mdq | 6 | ✓ | 250.0 | 251.4 | 100.6 |
| cal 7 mdq | 7 | ✓ | 500.0 | 519.2 | 103.8 |
| cal 8 mdq | 8 | ✓ | 1000.0 | 1025.3 | 102.5 |

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\072821\QuantResults\mdq.batch.bin
Last Cal. Update 7/29/2021 8:19 AM
Analyst Name ISP\datastor
Analyte Levetiracetam **Internal Standard** Nordiazepam-D5

Levetiracetam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 QCs



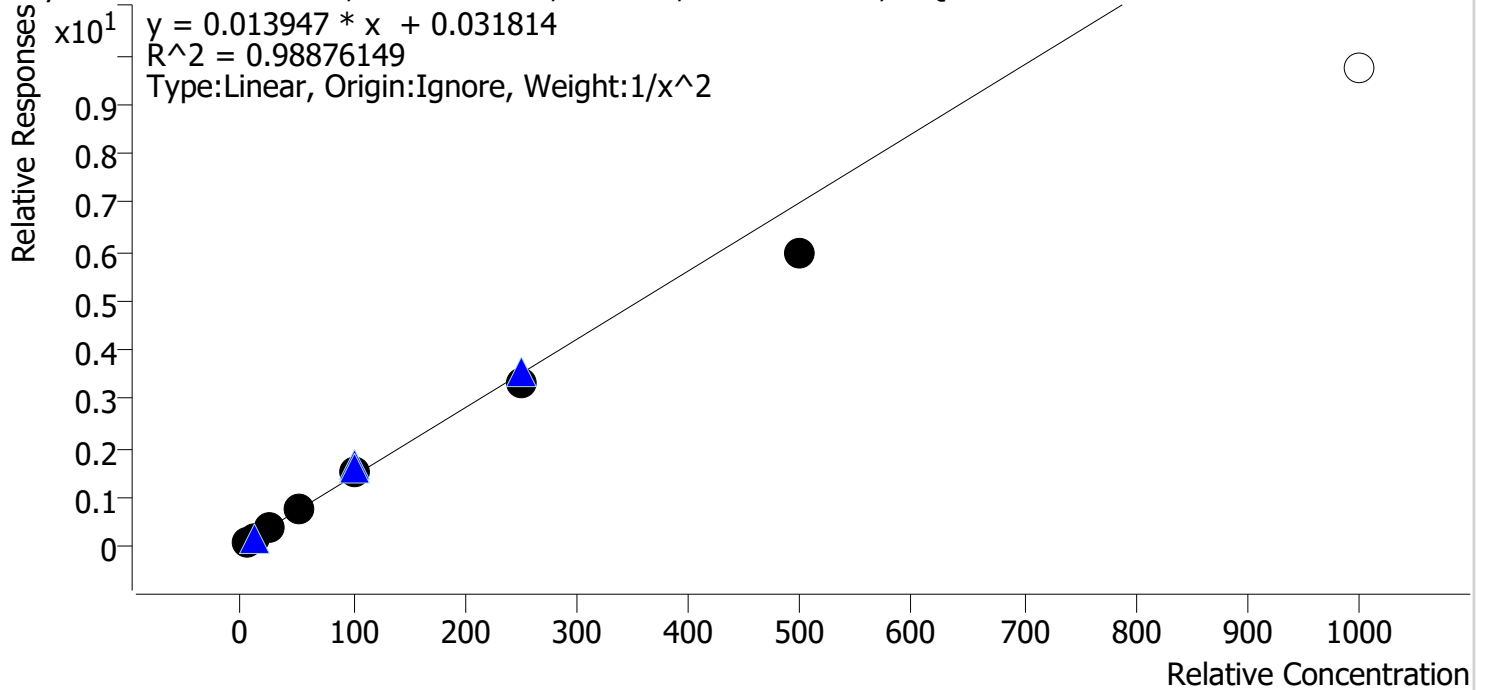
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1 | ✓ | 5.0 | 5.2 | 104.1 |
| cal 2 mdq | 2 | ✓ | 10.0 | 9.6 | 96.2 |
| cal 3 mdq | 3 | ✓ | 25.0 | 22.5 | 90.0 |
| cal 4 mdq | 4 | ✓ | 50.0 | 46.5 | 92.9 |
| cal 5 mdq | 5 | ✓ | 100.0 | 107.5 | 107.5 |
| cal 6 mdq | 6 | ✓ | 250.0 | 263.6 | 105.4 |
| cal 7 mdq | 7 | ✓ | 500.0 | 510.4 | 102.1 |
| cal 8 mdq | 8 | ✓ | 1000.0 | 1017.7 | 101.8 |

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\072821\QuantResults\mdq.batch.bin
Last Cal. Update 7/29/2021 8:19 AM
Analyst Name ISP\datastor
Analyte Dihydrocodeine **Internal Standard** Dihydrocodeine-D6

Dihydrocodeine - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 5 QCs



| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------|-------|---------|------------------------|---------------------|----------|
| cal 1 mdq | 1 | ✓ | 5.0 | 4.7 | 94.8 |
| cal 2 mdq | 2 | ✓ | 10.0 | 10.6 | 105.6 |
| cal 3 mdq | 3 | ✓ | 25.0 | 27.0 | 108.1 |
| cal 4 mdq | 4 | ✓ | 50.0 | 54.4 | 108.7 |
| cal 5 mdq | 5 | ✓ | 100.0 | 104.0 | 104.0 |
| cal 6 mdq | 6 | ✓ | 250.0 | 235.1 | 94.0 |
| cal 7 mdq | 7 | ✓ | 500.0 | 423.5 | 84.7 |
| cal 8 mdq | 8 | ✗ | 1000.0 | 693.9 | 69.4 |

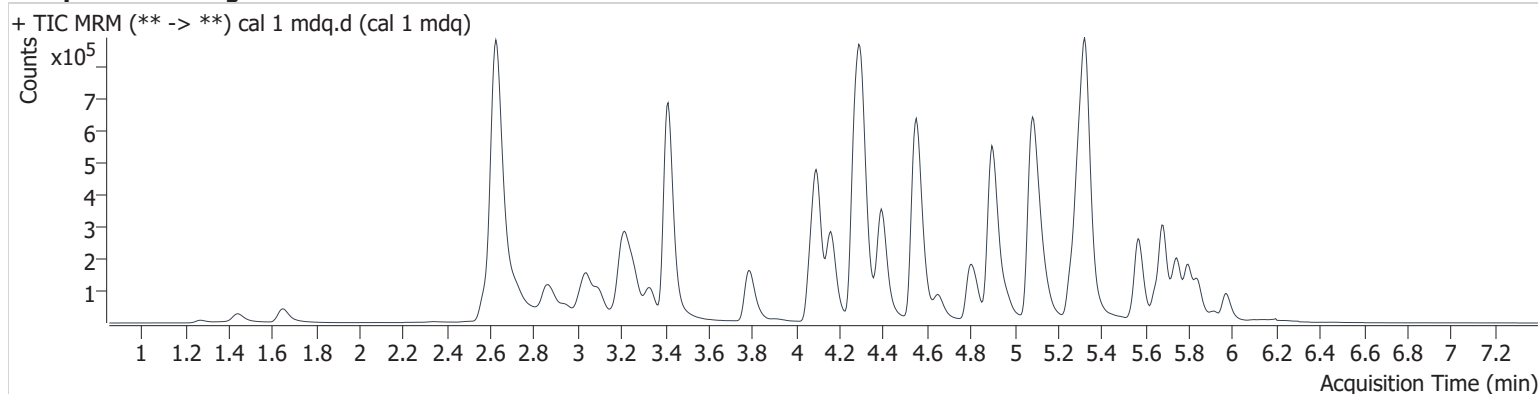
cal 8 dropped accuracy

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\am 27-28\072821\QuantResults\mdq.batch.bin
Calibration Last Update 7/29/2021 8:19:41 AM

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 3
Acq. Date-Time 7/28/2021 12:58:46 PM
Sample Info.

Sample Chromatogram



| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|---------------------|-------|--------|-----------|------------------|---------|------------|-------------|
| 6-MAM | 3.186 | 1753 | 4517.1 | 136.8 | 2709.3 | 86362 | 0.495 ng/ml |
| 7-aminoclonazepam | 4.313 | 14484 | 4468.6 | 74.0 | ∞ | 144796 | 4.990 ng/ml |
| a-hydroxyalprazolam | 5.727 | 2167 | 124.5 | 50.0 | 1184.6 | 12425 | 4.953 ng/ml |
| alpha-PHP | 4.966 | 80890 | 247156.3 | 40.7 | 1770.6 | 562557 | 4.692 ng/ml |
| alpha-PVP | 4.403 | 115838 | 13697.7 | 51.8 | 2860.5 | 853084 | 4.995 ng/ml |
| Alprazolam | 5.801 | 39808 | ∞ | 88.1 | ∞ | 240696 | 4.998 ng/ml |
| Amphetamine | 3.098 | 105714 | 5587.6 | 40.7 | 4320.8 | 285435 | 4.672 ng/ml |
| Benzoylcegonine | 3.936 | 1540 | ∞ | 72.0 High | 66.5 | 11084 | 3.586 ng/ml |
| Buprenorphine | 5.767 | 796 | 514.1 | 8.9 Low | 124.1 | 51809 | 0.415 ng/ml |
| Bupropion | 4.826 | 76491 | ∞ | 63.9 | 8965.4 | 562557 | 5.009 ng/ml |
| Carisoprodol | 5.757 | 30644 | 139103.3 | 53.0 | 719.0 | 227511 | 5.136 ng/ml |
| Citalopram | 5.264 | 58941 | 1632.0 | 41.1 | ∞ | 454697 | 4.998 ng/ml |
| Clonazepam | 5.650 | 3763 | 3283.9 | 38.8 | 334.0 | 12425 | 5.197 ng/ml |
| Clonazepam | 5.591 | 8608 | 10797.1 | 39.2 | 13910.8 | 12425 | 4.986 ng/ml |
| Cocaine | 4.302 | 89425 | ∞ | 49.9 | ∞ | 1323474 | 4.985 ng/ml |
| Codeine | 2.639 | 11954 | ∞ | 90.3 | 23967.9 | 91734 | 4.877 ng/ml |
| Cyclobenzaprine | 5.652 | 32758 | 60252.6 | 8.6 | 1216.1 | 202522 | 5.068 ng/ml |
| Dextromethorphan | 5.307 | 34353 | 32084.0 | 80.4 | 15361.7 | 309020 | 4.983 ng/ml |
| Dextrophan | 4.164 | 72974 | ∞ | 45.9 | 72234.0 | 697567 | 5.004 ng/ml |
| Diazepam | 5.974 | 19281 | ∞ | 92.0 | ∞ | 181690 | 4.937 ng/ml |
| Dihydrocodeine | 2.608 | 31758 | 16698.5 | 57.1 | 8778.5 | 324411 | 4.738 ng/ml |
| Diphenhydramine | 5.329 | 189544 | 6782.6 | 31.3 | 52879.9 | 1773992 | 5.088 ng/ml |
| Doxylamine | 4.566 | 261600 | 2064365.4 | 82.7 | 39473.0 | 1841041 | 5.019 ng/ml |
| EDDP | 5.296 | 109846 | ∞ | 43.2 | ∞ | 994692 | 5.072 ng/ml |
| Etizolam | 5.841 | 24699 | 98048.3 | 21.7 | ∞ | 240696 | 5.204 ng/ml |
| Fentanyl | 5.133 | 3662 | 2192.0 | 123.7 | 6243.5 | 340005 | 0.511 ng/ml |
| Flualprazolam | 5.738 | 15287 | ∞ | 99.6 | 13009.5 | 240696 | 4.868 ng/ml |
| Fluoxetine | 5.733 | 21580 | 29742.8 | 6.9 | 45664.6 | 154443 | 4.917 ng/ml |
| Hydrocodone | 3.069 | 30718 | ∞ | 40.9 | ∞ | 320519 | 4.821 ng/ml |
| Hydromorphone | 1.658 | 22147 | ∞ | 77.8 | ∞ | 135009 | 5.122 ng/ml |
| Ketamine | 4.088 | 79624 | 48509.6 | 36.1 | 1318.2 | 678144 | 4.906 ng/ml |
| Lamotrigine | 4.324 | 6818 | 1783.1 | 84.5 | 40001.5 | 144796 | 5.309 ng/ml |
| Levetiracetam | 2.722 | 33096 | 1871.5 | 232.3 | ∞ | 37972 | 5.205 ng/ml |

AM #28 Multi-Drug Quant. Results

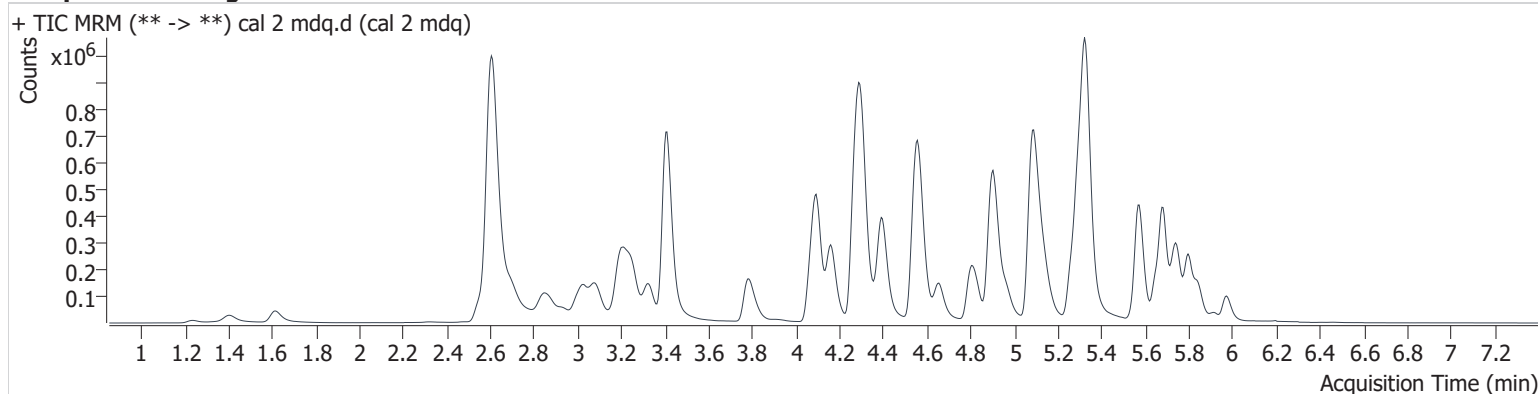
| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|----------------------|-------|--------|----------|-------|----------|------------|-------------|
| Lorazepam | 5.780 | 3186 | ∞ | 47.6 | ∞ | 27017 | 5.156 ng/ml |
| MDA | 3.245 | 73980 | 3717.7 | 27.0 | 2828.7 | 394190 | 4.889 ng/ml |
| MDMA | 3.338 | 82962 | ∞ | 91.7 | 4030.7 | 160215 | 4.957 ng/ml |
| Meprobamate | 4.967 | 8210 | 41350.1 | 25.5 | 131.8 | 50902 | 5.038 ng/ml |
| Methadone | 5.681 | 75085 | 30498.1 | 55.4 | ∞ | 615397 | 5.008 ng/ml |
| Methamphetamine | 3.267 | 115707 | ∞ | 38.5 | 642.9 | 701868 | 5.009 ng/ml |
| Metoprolol | 4.365 | 23723 | 245834.8 | 98.5 | ∞ | 394190 | 4.864 ng/ml |
| Mirtazapine | 4.654 | 128680 | 197059.5 | 47.3 | 112161.2 | 3225913 | 5.197 ng/ml |
| Mitragynine | 5.262 | 17438 | 34257.2 | 30.4 | 6577.9 | 340005 | 5.424 ng/ml |
| Morphine | 1.281 | 3663 | 40083.5 | 16.4 | 2324.7 | 7840 | 4.945 ng/ml |
| Norbuprenorphine | 5.029 | 145 | 40.9 | 110.5 | 5765.2 | 10407 | 1.171 ng/ml |
| Nordiazepam | 5.922 | 6355 | 12913.1 | 59.4 | 8103.5 | 37972 | 5.106 ng/ml |
| Norfentanyl | 4.119 | 4919 | 516.6 | 36.6 | 12669.4 | 1027484 | 0.510 ng/ml |
| Norhydrocodone | 3.116 | 2328 | 98.3 | 26.5 | 77.0 | 94694 | 5.358 ng/ml |
| Noroxycodone | 2.967 | 17912 | ∞ | 46.1 | ∞ | 115228 | 4.891 ng/ml |
| O-desmethyl-tramadol | 3.419 | 211610 | ∞ | 6.3 | ∞ | 1994514 | 5.057 ng/ml |
| Oxazepam | 5.781 | 3379 | ∞ | 64.8 | 32.5 | 27017 | 5.024 ng/ml |
| Oxycodone | 2.889 | 57926 | ∞ | 29.6 | ∞ | 425791 | 4.867 ng/ml |
| Oxymorphone | 1.444 | 17765 | ∞ | 43.7 | ∞ | 111405 | 4.942 ng/ml |
| Phentermine | 3.822 | 24544 | 357.1 | 9.1 | ∞ | 537435 | 4.686 ng/ml |
| Promethazine | 5.573 | 48635 | 102877.9 | 36.1 | 1059.4 | 424735 | 5.098 ng/ml |
| Pseudoephedrine | 2.636 | 367765 | ∞ | 23.9 | 3462.5 | 3225913 | 5.063 ng/ml |
| Quetiapine | 5.570 | 79089 | 233632.9 | 62.2 | ∞ | 189969 | 4.885 ng/ml |
| Sertraline | 5.796 | 9366 | ∞ | 101.2 | 185278.2 | 68065 | 5.044 ng/ml |
| Temazepam | 5.843 | 23044 | 1295.5 | 30.6 | 91.6 | 205444 | 5.019 ng/ml |
| Tramadol | 4.288 | 205831 | 618507.7 | 3.1 | 519.0 | 1816964 | 4.922 ng/ml |
| Trazodone | 5.144 | 57447 | 54517.7 | 83.5 | 89399.1 | 382393 | 5.182 ng/ml |
| Venlafaxine | 5.083 | 147588 | 222969.7 | 37.8 | 2233.1 | 1646297 | 5.136 ng/ml |
| Zolpidem | 4.917 | 198132 | ∞ | 29.9 | 98900.7 | 1655005 | 4.909 ng/ml |

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\am 27-28\072821\QuantResults\mdq.batch.bin
Calibration Last Update 7/29/2021 8:19:41 AM

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 3
Acq. Date-Time 7/28/2021 1:07:49 PM
Sample Info.

Sample Chromatogram



| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|---------------------|-------|--------|-----------|-------|-----------|------------|--------------|
| 6-MAM | 3.176 | 3328 | ∞ | 131.7 | 20733.4 | 81002 | 1.047 ng/ml |
| 7-aminoclonazepam | 4.313 | 27147 | ∞ | 71.2 | ∞ | 145960 | 10.050 ng/ml |
| a-hydroxyalprazolam | 5.727 | 3732 | 544.2 | 57.0 | ∞ | 12996 | 9.873 ng/ml |
| alpha-PHP | 4.966 | 149025 | 351785.3 | 40.1 | 39297.0 | 582595 | 10.550 ng/ml |
| alpha-PVP | 4.403 | 213767 | 448639.3 | 51.6 | 7523.4 | 827484 | 10.163 ng/ml |
| Alprazolam | 5.801 | 74807 | ∞ | 88.1 | 1224.3 | 237661 | 10.128 ng/ml |
| Amphetamine | 3.083 | 209382 | ∞ | 43.0 | 10058.1 | 301324 | 10.908 ng/ml |
| Benzoylcegonine | 3.936 | 3537 | 66676.7 | 56.7 | 899.5 | 11022 | 10.282 ng/ml |
| Buprenorphine | 5.762 | 2004 | 5134.7 | 14.5 | 1387.1 | 61739 | 1.102 ng/ml |
| Bupropion | 4.826 | 145573 | 512183.2 | 64.4 | 5889.8 | 582595 | 9.963 ng/ml |
| Carisoprodol | 5.757 | 53984 | ∞ | 59.0 | 1409.2 | 226138 | 9.588 ng/ml |
| Citalopram | 5.264 | 122506 | 4370.4 | 40.5 | ∞ | 507166 | 10.062 ng/ml |
| Clonazepam | 5.650 | 6369 | 7370.2 | 40.8 | 2918.6 | 12996 | 8.851 ng/ml |
| Clonazepam | 5.596 | 14781 | 25207.8 | 38.7 | 5037.0 | 12996 | 9.111 ng/ml |
| Cocaine | 4.302 | 156954 | 81671.0 | 50.6 | ∞ | 1226710 | 10.154 ng/ml |
| Codeine | 2.618 | 19244 | 48597.5 | 90.6 | 60667.1 | 85918 | 10.029 ng/ml |
| Cyclobenzaprine | 5.652 | 91885 | ∞ | 9.5 | 3271.0 | 311200 | 9.900 ng/ml |
| Dextromethorphan | 5.307 | 74467 | 110767.0 | 74.8 | 175008.7 | 351226 | 10.128 ng/ml |
| Dextrophan | 4.164 | 125257 | 8162412.2 | 45.1 | 571506.6 | 640894 | 10.046 ng/ml |
| Diazepam | 5.979 | 38837 | ∞ | 91.8 | ∞ | 183029 | 10.331 ng/ml |
| Dihydrocodeine | 2.587 | 53362 | 3998.4 | 60.5 | 19879.6 | 297881 | 10.563 ng/ml |
| Diphenhydramine | 5.334 | 393990 | 88216.3 | 32.6 | 234928.5 | 1958431 | 9.877 ng/ml |
| Doxylamine | 4.566 | 461020 | 35698.1 | 83.9 | 43916.4 | 1743048 | 10.011 ng/ml |
| EDDP | 5.296 | 198477 | 434042.5 | 42.2 | 127838.1 | 990702 | 9.851 ng/ml |
| Etizolam | 5.841 | 41487 | ∞ | 24.0 | 15613.1 | 237661 | 9.414 ng/ml |
| Fentanyl | 5.139 | 8738 | 11741.3 | 126.5 | ∞ | 448119 | 0.972 ng/ml |
| Flualprazolam | 5.738 | 31252 | ∞ | 96.2 | ∞ | 237661 | 10.636 ng/ml |
| Fluoxetine | 5.733 | 78168 | ∞ | 7.5 | 17430.3 | 291456 | 10.101 ng/ml |
| Hydrocodone | 3.059 | 58209 | ∞ | 34.8 | ∞ | 301489 | 10.547 ng/ml |
| Hydromorphone | 1.623 | 35567 | ∞ | 73.0 | ∞ | 119686 | 9.691 ng/ml |
| Ketamine | 4.088 | 142537 | 40177.0 | 38.3 | 3509.3 | 656260 | 10.272 ng/ml |
| Lamotrigine | 4.329 | 12681 | 728.4 | 86.7 | 3208516.6 | 145960 | 9.584 ng/ml |
| Levetiracetam | 2.697 | 58453 | 2775.6 | 222.8 | 12498.1 | 38814 | 9.621 ng/ml |

AM #28 Multi-Drug Quant. Results

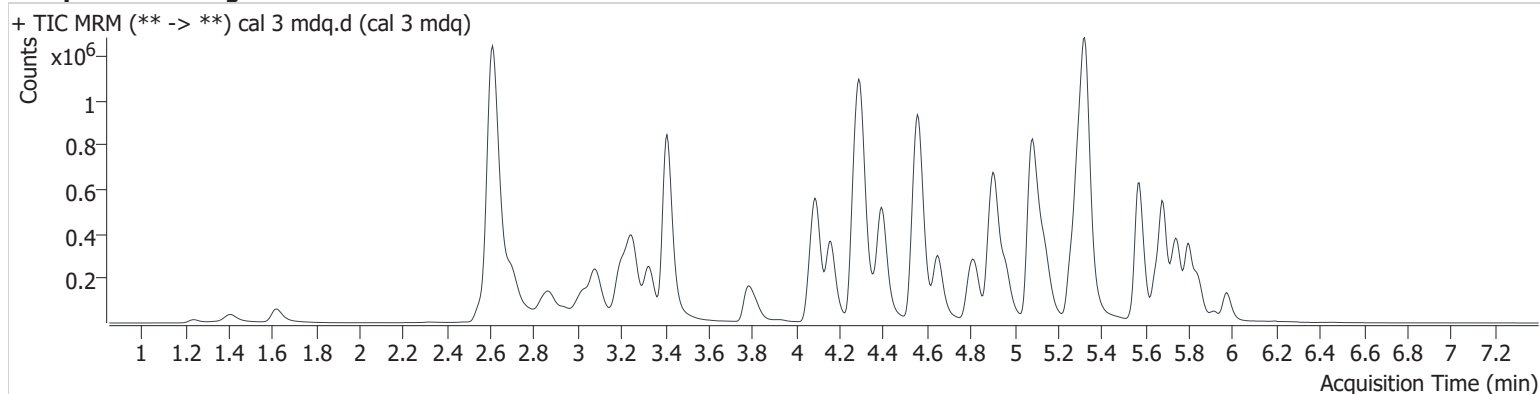
| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|----------------------|-------|--------|-------------|-------|-------------------|------------|--------------|
| Lorazepam | 5.780 | 4317 | ∞ | 51.2 | 8431160206 1.5 | 24952 | 8.423 ng/ml |
| MDA | 3.235 | 134898 | ∞ | 27.0 | 1192.3 | 393929 | 10.168 ng/ml |
| MDMA | 3.328 | 151327 | ∞ | 89.3 | 13204.5 | 153847 | 10.137 ng/ml |
| Meprobamate | 4.961 | 15045 | 25590.9 | 29.7 | 2896.9 | 50365 | 9.974 ng/ml |
| Methadone | 5.681 | 179460 | 4722.0 | 51.0 | ∞ | 758803 | 10.221 ng/ml |
| Methamphetamine | 3.257 | 172649 | ∞ | 38.3 | ∞ | 681222 | 9.551 ng/ml |
| Metoprolol | 4.365 | 44476 | 159399.7 | 99.6 | ∞ | 393929 | 10.220 ng/ml |
| Mirtazapine | 4.654 | 252490 | 411632.1 | 49.5 | 126529.7 | 3269909 | 9.849 ng/ml |
| Mitragynine | 5.262 | 39180 | ∞ | 32.2 | 3061200.6 | 448119 | 10.421 ng/ml |
| Morphine | 1.241 | 6501 | ∞ | 17.2 | ∞ | 7287 | 10.479 ng/ml |
| Norbuprenorphine | 5.040 | 213 | 462.1 | 119.1 | 395.4 | 10644 | 1.534 ng/ml |
| Nordiazepam | 5.922 | 11828 | 726066.5 | 65.0 | 85848.5 | 38814 | 9.766 ng/ml |
| Norfentanyl | 4.119 | 8726 | 1112.6 | 39.0 | 25454.9 | 969445 | 0.995 ng/ml |
| Norhydrocodone | 3.106 | 3527 | 937.7 | 25.7 | 147.4 | 88690 | 8.865 ng/ml |
| Noroxycodone | 2.951 | 32802 | ∞ | 44.6 | ∞ | 106749 | 10.302 ng/ml |
| O-desmethyl-tramadol | 3.414 | 379656 | 221460.9 | 6.0 | ∞ | 1916651 | 9.944 ng/ml |
| Oxazepam | 5.792 | 5924 | ∞ | 76.6 | ∞ | 24952 | 10.165 ng/ml |
| Oxycodone | 2.873 | 105843 | ∞ | 28.2 | ∞ | 394084 | 10.482 ng/ml |
| Oxymorphone | 1.404 | 31539 | ∞ | 44.6 | ∞ | 105406 | 10.181 ng/ml |
| Phentermine | 3.816 | 47590 | 374.7 | 8.7 | ∞ | 540569 | 10.763 ng/ml |
| Promethazine | 5.573 | 136027 | 932773.9 | 37.8 | 10040.4 | 651110 | 9.770 ng/ml |
| Pseudoephedrine | 2.615 | 699364 | 28789.1 | 24.7 | 5144.9 | 3269909 | 9.921 ng/ml |
| Quetiapine | 5.570 | 173398 | 1017657.5 | 61.2 | ∞ | 237197 | 10.109 ng/ml |
| Sertraline | 5.801 | 35033 | 86596.3 | 97.6 | ∞ | 136247 | 9.845 ng/ml |
| Temazepam | 5.849 | 42727 | 7666.5 | 29.1 | 138.6 | 193901 | 10.206 ng/ml |
| Tramadol | 4.288 | 363112 | 116434084.0 | 3.6 | 989.5 | 1717811 | 10.198 ng/ml |
| Trazodone | 5.149 | 132524 | 371537.2 | 84.1 | ∞ | 477946 | 9.600 ng/ml |
| Venlafaxine | 5.083 | 264219 | 13722.1 | 38.9 | 3454.0 | 1613800 | 9.735 ng/ml |
| Zolpidem | 4.917 | 351334 | 1457759.8 | 29.6 | 127014.4 | 1576620 | 10.165 ng/ml |

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\am 27-28\072821\QuantResults\mdq.batch.bin
Calibration Last Update 7/29/2021 8:19:41 AM

| | | | |
|-------------------------|----------------------|------------------|-------------|
| 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 | 3 | | |
| Acq. Date-Time | 7/28/2021 1:16:52 PM | | |

Sample Chromatogram



| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|---------------------|-------|---------|-----------|-------|-----------|------------|--------------|
| 6-MAM | 3.176 | 7053 | ∞ | 139.1 | 54133.7 | 77498 | 2.373 ng/ml |
| 7-aminoclonazepam | 4.313 | 60293 | 281672.5 | 76.6 | 148464.2 | 136814 | 25.044 ng/ml |
| a-hydroxyalprazolam | 5.733 | 7365 | 212.1 | 57.9 | 803.3 | 11250 | 25.909 ng/ml |
| alpha-PHP | 4.966 | 338538 | 256947.6 | 40.5 | 4771.0 | 568533 | 28.316 ng/ml |
| alpha-PVP | 4.403 | 470535 | 113571.1 | 53.2 | 71998.0 | 791166 | 24.348 ng/ml |
| Alprazolam | 5.801 | 163077 | 31010.1 | 91.8 | ∞ | 225116 | 24.196 ng/ml |
| Amphetamine | 3.088 | 420418 | 11400.1 | 41.5 | 13635.4 | 276366 | 26.786 ng/ml |
| Benzoylcegonine | 3.936 | 7069 | ∞ | 52.9 | 557.5 | 10045 | 24.372 ng/ml |
| Buprenorphine | 5.762 | 4077 | 4337.9 | 20.3 | 2729.3 | 64404 | 2.343 ng/ml |
| Bupropion | 4.821 | 340042 | 287803.1 | 65.3 | 33380.9 | 568533 | 25.108 ng/ml |
| Carisoprodol | 5.757 | 117753 | 5442286.0 | 61.0 | 1972.3 | 203783 | 24.100 ng/ml |
| Citalopram | 5.264 | 263650 | ∞ | 41.3 | 304547.9 | 465590 | 24.755 ng/ml |
| Clonazepam | 5.650 | 15514 | 39755.8 | 29.9 | 759.8 | 11250 | 26.201 ng/ml |
| Clonazepam | 5.591 | 37105 | ∞ | 39.2 | ∞ | 11250 | 29.159 ng/ml |
| Cocaine | 4.296 | 347961 | 713829.0 | 50.3 | 1820907.2 | 1177762 | 24.493 ng/ml |
| Codeine | 2.618 | 43191 | 195936.9 | 90.2 | ∞ | 81709 | 26.783 ng/ml |
| Cyclobenzaprine | 5.652 | 210122 | 363559.5 | 9.3 | 166298.4 | 306132 | 24.053 ng/ml |
| Dextromethorphan | 5.307 | 168696 | 299930.8 | 75.7 | 100437.8 | 340761 | 24.567 ng/ml |
| Dextrophan | 4.159 | 289023 | 2585995.8 | 45.2 | 2281490.0 | 629976 | 24.667 ng/ml |
| Diazepam | 5.979 | 90419 | 3474.5 | 86.8 | 54251.8 | 184122 | 24.513 ng/ml |
| Dihydrocodeine | 2.587 | 120940 | 3560.9 | 59.5 | 4221.3 | 295818 | 27.031 ng/ml |
| Diphenhydramine | 5.329 | 857929 | 33426.3 | 30.8 | 108549.1 | 1781621 | 24.110 ng/ml |
| Doxylamine | 4.566 | 1023600 | 107395.7 | 83.8 | ∞ | 1661865 | 24.346 ng/ml |
| EDDP | 5.296 | 449568 | 913118.7 | 43.0 | 375137.5 | 954038 | 24.251 ng/ml |
| Etizolam | 5.841 | 94406 | 20656.8 | 24.2 | 143923.3 | 225116 | 23.739 ng/ml |
| Fentanyl | 5.133 | 23178 | 43567.0 | 120.5 | 98320.3 | 489728 | 2.441 ng/ml |
| Flualprazolam | 5.738 | 66305 | ∞ | 94.7 | 3345276.4 | 225116 | 24.467 ng/ml |
| Fluoxetine | 5.733 | 176020 | ∞ | 7.6 | 136333.6 | 265590 | 26.021 ng/ml |
| Hydrocodone | 3.059 | 130245 | ∞ | 37.1 | ∞ | 290817 | 25.550 ng/ml |
| Hydromorphone | 1.623 | 77982 | ∞ | 75.1 | ∞ | 108998 | 24.049 ng/ml |
| Ketamine | 4.083 | 326385 | 162400.1 | 38.7 | 4550.5 | 657379 | 25.292 ng/ml |
| Lamotrigine | 4.324 | 27440 | 7791.5 | 91.6 | 2304.3 | 136814 | 21.797 ng/ml |
| Levetiracetam | 2.702 | 129295 | 2878.3 | 227.3 | 5115.1 | 38540 | 22.491 ng/ml |

AM #28 Multi-Drug Quant. Results

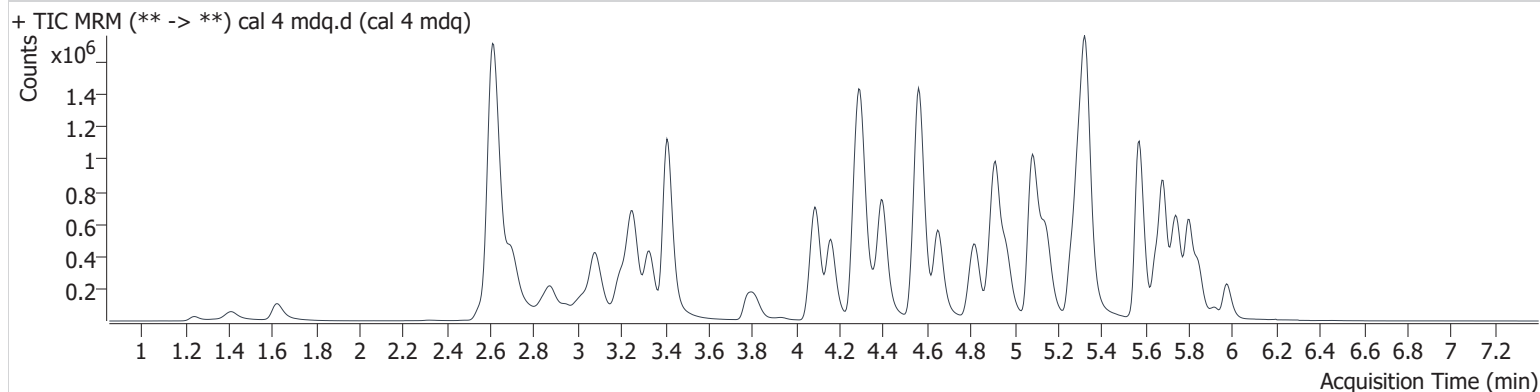
| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|----------------------|-------|---------|-------------------------|-------|-----------|------------|--------------|
| Lorazepam | 5.774 | 11800 | ∞ | 44.2 | ∞ | 25301 | 25.830 ng/ml |
| MDA | 3.235 | 297562 | ∞ | 27.2 | 2086.9 | 369164 | 25.982 ng/ml |
| MDMA | 3.328 | 331286 | 33254.5 | 90.3 | 21551.3 | 143106 | 24.942 ng/ml |
| Meprobamate | 4.961 | 32431 | 12834.9 | 30.1 | 2734.2 | 45963 | 24.588 ng/ml |
| Methadone | 5.681 | 382399 | ∞ | 53.2 | ∞ | 708847 | 24.014 ng/ml |
| Methamphetamine | 3.257 | 388590 | 59455.5 | 39.2 | 23610.4 | 663768 | 26.575 ng/ml |
| Metoprolol | 4.365 | 98956 | 2181640685 8553100.0 | 96.5 | ∞ | 369164 | 25.981 ng/ml |
| Mirtazapine | 4.649 | 563310 | 12327232.9 | 48.6 | 7463328.3 | 3131718 | 22.641 ng/ml |
| Mitragynine | 5.262 | 89364 | 52099.2 | 31.6 | 46081.2 | 489728 | 23.560 ng/ml |
| Morphine | 1.246 | 13133 | ∞ | 16.7 | ∞ | 6932 | 23.532 ng/ml |
| Norbuprenorphine | 5.040 | 361 | 1316.2 | 115.9 | 1069.7 | 11087 | 2.287 ng/ml |
| Nordiazepam | 5.922 | 28237 | 51055.3 | 62.1 | 34209.4 | 38540 | 24.281 ng/ml |
| Norfentanyl | 4.119 | 19992 | 3008.9 | 40.0 | 5011.8 | 983895 | 2.297 ng/ml |
| Norhydrocodone | 3.106 | 8796 | ∞ | 27.7 | 62.8 | 87281 | 22.945 ng/ml |
| Noroxycodone | 2.951 | 74095 | ∞ | 42.6 | ∞ | 101341 | 25.409 ng/ml |
| O-desmethyl-tramadol | 3.414 | 852906 | ∞ | 6.1 | ∞ | 1829858 | 24.184 ng/ml |
| Oxazepam | 5.787 | 13269 | 814.1 | 73.9 | ∞ | 25301 | 23.298 ng/ml |
| Oxycodone | 2.873 | 237646 | ∞ | 29.0 | ∞ | 388019 | 25.049 ng/ml |
| Oxymorphone | 1.409 | 70250 | ∞ | 44.9 | ∞ | 100756 | 25.101 ng/ml |
| Phentermine | 3.816 | 103166 | 2664.6 | 8.3 | 7987.8 | 515764 | 26.826 ng/ml |
| Promethazine | 5.573 | 314719 | ∞ | 38.5 | 4482.9 | 631920 | 24.076 ng/ml |
| Pseudoephedrine | 2.615 | 1591617 | 19862.4 | 24.4 | ∞ | 3131718 | 24.240 ng/ml |
| Quetiapine | 5.570 | 365639 | ∞ | 61.7 | 616498.2 | 213913 | 26.349 ng/ml |
| Sertraline | 5.796 | 80182 | 151644.5 | 96.3 | 217727.5 | 125854 | 25.107 ng/ml |
| Temazepam | 5.849 | 95115 | 37029.2 | 28.5 | 217.3 | 186022 | 24.156 ng/ml |
| Tramadol | 4.282 | 825431 | 97732.9 | 3.6 | 746.5 | 1669821 | 25.413 ng/ml |
| Trazodone | 5.143 | 310023 | 431226.2 | 81.6 | 468492.1 | 460085 | 23.388 ng/ml |
| Venlafaxine | 5.078 | 604452 | 690952.6 | 37.4 | 12080.2 | 1536978 | 23.987 ng/ml |
| Zolpidem | 4.911 | 781356 | ∞ | 29.6 | ∞ | 1498681 | 25.379 ng/ml |

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\am 27-28\072821\QuantResults\mdq.batch.bin
Calibration Last Update 7/29/2021 8:19:41 AM

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 3
Acq. Date-Time 7/28/2021 1:25:54 PM
Sample Info.

Sample Chromatogram



| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|---------------------|-------|---------|-----------|-------|----------|------------|--------------|
| 6-MAM | 3.176 | 14668 | ∞ | 132.5 | ∞ | 79082 | 4.881 ng/ml |
| 7-aminoclonazepam | 4.313 | 118929 | 159912.4 | 75.7 | 225726.0 | 138563 | 49.628 ng/ml |
| a-hydroxyalprazolam | 5.733 | 15392 | 510.3 | 55.9 | 1804.2 | 12199 | 52.396 ng/ml |
| alpha-PHP | 4.966 | 633632 | 168287.5 | 40.4 | 9559.1 | 609413 | 51.553 ng/ml |
| alpha-PVP | 4.397 | 921341 | 324498.4 | 53.2 | 23856.5 | 773263 | 49.513 ng/ml |
| Alprazolam | 5.801 | 360198 | ∞ | 88.1 | 3308.1 | 242049 | 50.423 ng/ml |
| Amphetamine | 3.083 | 836250 | 38765.8 | 42.4 | 56954.6 | 291912 | 52.602 ng/ml |
| Benzoylcegonine | 3.936 | 16570 | 46826.6 | 55.6 | 1670.1 | 12972 | 45.481 ng/ml |
| Buprenorphine | 5.762 | 8438 | 1558.9 | 14.2 | 2428.7 | 59095 | 5.540 ng/ml |
| Bupropion | 4.821 | 699067 | 2123335.5 | 67.2 | 17789.4 | 609413 | 48.984 ng/ml |
| Carisoprodol | 5.757 | 252903 | ∞ | 58.5 | 5643.1 | 213447 | 50.076 ng/ml |
| Citalopram | 5.264 | 517786 | 49535.0 | 41.0 | 39981.5 | 462225 | 49.818 ng/ml |
| Clonazepam | 5.650 | 34169 | 4594.3 | 32.6 | 3173.4 | 12199 | 53.952 ng/ml |
| Clonazepam | 5.591 | 75867 | 317774.4 | 38.5 | 53351.0 | 12199 | 56.259 ng/ml |
| Cocaine | 4.296 | 675037 | ∞ | 50.0 | 270648.4 | 1138139 | 49.977 ng/ml |
| Codeine | 2.618 | 81898 | 199648.9 | 90.8 | ∞ | 78445 | 55.131 ng/ml |
| Cyclobenzaprine | 5.652 | 528562 | 464786.1 | 9.0 | 18537.6 | 380958 | 49.423 ng/ml |
| Dextromethorphan | 5.302 | 352383 | ∞ | 74.3 | 60772.1 | 354427 | 50.032 ng/ml |
| Dextrophan | 4.159 | 579603 | 2590652.3 | 44.2 | 696811.7 | 631801 | 50.128 ng/ml |
| Diazepam | 5.979 | 210730 | 29431.8 | 85.4 | 33456.8 | 213307 | 49.779 ng/ml |
| Dihydrocodeine | 2.587 | 235813 | 3083.1 | 59.7 | 2289.7 | 298475 | 54.364 ng/ml |
| Diphenhydramine | 5.334 | 1671609 | 58700.8 | 31.4 | ∞ | 1757919 | 47.936 ng/ml |
| Doxylamine | 4.566 | 2010722 | ∞ | 84.1 | 220864.1 | 1620877 | 49.822 ng/ml |
| EDDP | 5.296 | 867986 | 1448788.6 | 42.2 | ∞ | 916026 | 49.571 ng/ml |
| Etizolam | 5.841 | 206501 | ∞ | 23.4 | 54725.6 | 242049 | 49.123 ng/ml |
| Fentanyl | 5.133 | 48467 | ∞ | 126.3 | ∞ | 523041 | 4.834 ng/ml |
| Flualprazolam | 5.738 | 142809 | 18449.4 | 93.8 | 40832.8 | 242049 | 49.533 ng/ml |
| Fluoxetine | 5.733 | 481312 | ∞ | 7.2 | 43375.8 | 373421 | 51.288 ng/ml |
| Hydrocodone | 3.054 | 265076 | ∞ | 35.9 | ∞ | 292505 | 52.541 ng/ml |
| Hydromorphone | 1.628 | 177756 | ∞ | 77.6 | ∞ | 122556 | 49.276 ng/ml |
| Ketamine | 4.083 | 647966 | 98286.5 | 38.4 | 6832.7 | 664959 | 50.996 ng/ml |
| Lamotrigine | 4.324 | 54765 | 315587.4 | 88.8 | ∞ | 138563 | 42.712 ng/ml |
| Levetiracetam | 2.702 | 292185 | 6718.8 | 221.3 | 15514.1 | 42972 | 46.469 ng/ml |

AM #28 Multi-Drug Quant. Results

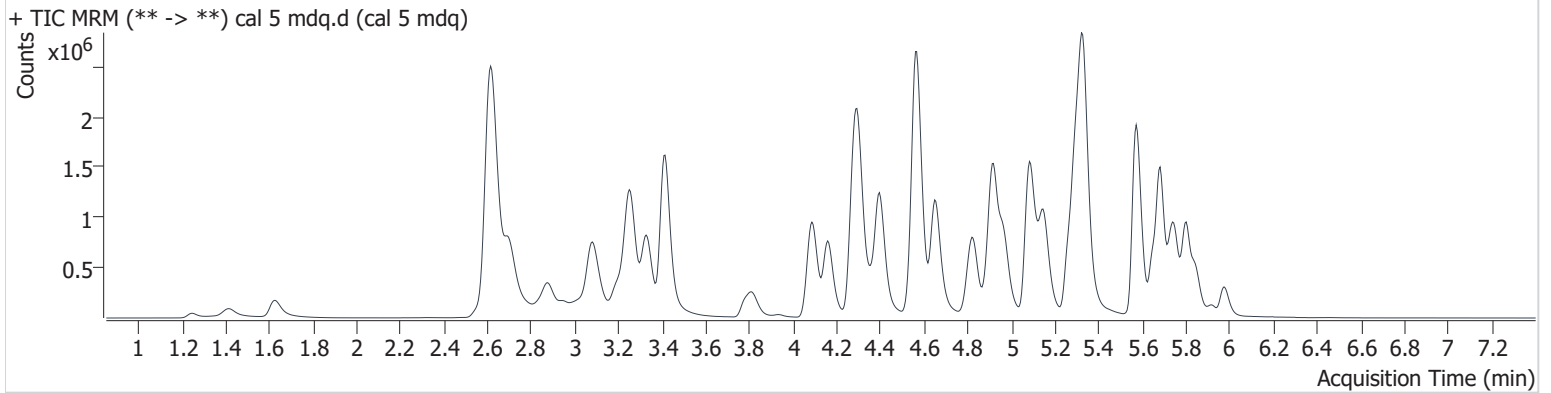
| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|----------------------|-------|---------|----------|-------|-----------|------------|--------------|
| Lorazepam | 5.780 | 21453 | ∞ | 48.8 | ∞ | 24407 | 50.310 ng/ml |
| MDA | 3.235 | 540453 | 47245.2 | 27.3 | ∞ | 338915 | 52.882 ng/ml |
| MDMA | 3.328 | 626281 | ∞ | 89.1 | 20948.6 | 135094 | 50.750 ng/ml |
| Meprobamate | 4.961 | 67615 | 147960.8 | 29.1 | 1093.1 | 48717 | 49.096 ng/ml |
| Methadone | 5.681 | 826410 | ∞ | 54.1 | 60593.0 | 777425 | 47.851 ng/ml |
| Methamphetamine | 3.257 | 825086 | 15189.8 | 38.9 | 2309.0 | 734297 | 54.174 ng/ml |
| Metoprolol | 4.360 | 179605 | 805716.4 | 98.4 | ∞ | 338915 | 52.584 ng/ml |
| Mirtazapine | 4.649 | 1084834 | 123405.0 | 48.6 | 2303817.9 | 3135644 | 43.340 ng/ml |
| Mitragynine | 5.262 | 192059 | ∞ | 33.2 | 120773.2 | 523041 | 49.096 ng/ml |
| Morphine | 1.246 | 30048 | ∞ | 15.3 | ∞ | 7782 | 49.139 ng/ml |
| Norbuprenorphine | 5.034 | 976 | 1509.4 | 99.1 | 6299.2 | 10908 | 5.698 ng/ml |
| Nordiazepam | 5.922 | 60232 | ∞ | 64.7 | ∞ | 42972 | 46.973 ng/ml |
| Norfentanyl | 4.119 | 42886 | ∞ | 39.0 | 60643.9 | 998097 | 4.902 ng/ml |
| Norhydrocodone | 3.106 | 19588 | ∞ | 29.2 | 242.4 | 90396 | 49.696 ng/ml |
| Noroxycodone | 2.951 | 149524 | ∞ | 45.2 | ∞ | 102131 | 51.529 ng/ml |
| O-desmethyl-tramadol | 3.414 | 1712493 | ∞ | 6.0 | 15212.0 | 1823577 | 49.314 ng/ml |
| Oxazepam | 5.787 | 27036 | 613.8 | 73.1 | ∞ | 24407 | 49.985 ng/ml |
| Oxycodone | 2.873 | 487908 | ∞ | 29.2 | ∞ | 399162 | 50.886 ng/ml |
| Oxymorphone | 1.414 | 144030 | ∞ | 44.1 | ∞ | 104521 | 50.622 ng/ml |
| Phentermine | 3.816 | 199982 | 1194.1 | 8.1 | 1186.9 | 510425 | 54.333 ng/ml |
| Promethazine | 5.573 | 767613 | 864566.5 | 36.7 | 52570.9 | 757547 | 49.572 ng/ml |
| Pseudoephedrine | 2.615 | 3192486 | 67750.1 | 24.4 | 19201.8 | 3135644 | 49.045 ng/ml |
| Quetiapine | 5.570 | 776836 | ∞ | 63.7 | 2115843.7 | 234120 | 53.058 ng/ml |
| Sertraline | 5.796 | 218560 | 208917.5 | 97.8 | 721657.0 | 174700 | 49.767 ng/ml |
| Temazepam | 5.849 | 205481 | 71739.4 | 29.0 | 1169.1 | 208648 | 46.858 ng/ml |
| Tramadol | 4.282 | 1582078 | 268793.0 | 3.4 | 3926.7 | 1622241 | 51.275 ng/ml |
| Trazodone | 5.149 | 687758 | ∞ | 81.4 | 3210323.6 | 499680 | 47.816 ng/ml |
| Venlafaxine | 5.083 | 1125034 | 78833.2 | 37.2 | 11939.9 | 1460368 | 47.400 ng/ml |
| Zolpidem | 4.917 | 1624568 | ∞ | 29.0 | ∞ | 1534719 | 52.757 ng/ml |

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\am 27-28\072821\QuantResults\mdq.batch.bin
Calibration Last Update 7/29/2021 8:19:41 AM

| | | | |
|-------------------------|----------------------|------------------|-------------|
| Instrument | 69679 | Data File | cal 5 mdq.d |
| Type | Cal | Sample | cal 5 mdq |
| Acq. Method | mdqp1 1-21-21long.m | Operator | Anne Nord |
| Sample Position | P2-E1 | Comment | |
| Injection Volume | 3 | | |
| Acq. Date-Time | 7/28/2021 1:34:56 PM | | |
| Sample Info. | | | |

Sample Chromatogram



| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|---------------------|-------|---------|----------------------|-------|------------------------|------------|---------------|
| 6-MAM | 3.181 | 27088 | ∞ | 137.7 | ∞ | 74785 | 9.573 ng/ml |
| 7-aminoclonazepam | 4.313 | 190043 | 1069530.1 | 77.1 | 7692.7 | 110571 | 100.280 ng/ml |
| a-hydroxyalprazolam | 5.733 | 29777 | 2635.2 | 54.2 | 1342.1 | 11432 | 110.984 ng/ml |
| alpha-PHP | 4.966 | 1340729 | 53467.4 | 40.1 | 130537.3 | 606284 | 112.832 ng/ml |
| alpha-PVP | 4.403 | 1845837 | 189896.2 | 52.5 | 63204.7 | 794880 | 97.192 ng/ml |
| Alprazolam | 5.806 | 589414 | 5871576598 6652.6 | 91.1 | 10928.0 | 204416 | 98.340 ng/ml |
| Amphetamine | 3.088 | 1682322 | 50503.7 | 40.6 | 137457.1 | 294438 | 107.345 ng/ml |
| Benzoylcegonine | 3.936 | 30676 | 119556.9 | 52.9 | ∞ | 11353 | 97.903 ng/ml |
| Buprenorphine | 5.762 | 15367 | 553.3 | 16.0 | 4408.1 | 59081 | 10.258 ng/ml |
| Bupropion | 4.826 | 1434130 | 4771078.2 | 64.8 | 23320.0 | 606284 | 101.968 ng/ml |
| Carisoprodol | 5.757 | 423842 | ∞ | 56.0 | 18321.5 | 179856 | 100.218 ng/ml |
| Citalopram | 5.264 | 1046950 | 14968.3 | 41.0 | 19893.9 | 473293 | 99.222 ng/ml |
| Clonazepam | 5.650 | 60468 | 63904.4 | 33.6 | 2028.6 | 11432 | 102.509 ng/ml |
| Clonazolam | 5.596 | 133123 | 916428.0 | 40.1 | 103690.4 | 11432 | 106.591 ng/ml |
| Cocaine | 4.302 | 1277741 | 2100373.2 | 49.9 | ∞ | 1102352 | 98.433 ng/ml |
| Codeine | 2.618 | 140508 | 195904.6 | 90.8 | 2056498610 367820.0 | 74156 | 101.921 ng/ml |
| Cyclobenzaprine | 5.652 | 1043760 | 123302.3 | 9.2 | 52008.8 | 379068 | 98.856 ng/ml |
| Dextromethorphan | 5.307 | 709621 | ∞ | 74.6 | ∞ | 358309 | 100.345 ng/ml |
| Dextrorphan | 4.159 | 1138960 | 176834.6 | 44.9 | ∞ | 638370 | 98.252 ng/ml |
| Diazepam | 5.979 | 350610 | 38025.7 | 85.6 | 18207.7 | 175644 | 101.050 ng/ml |
| Dihydrocodeine | 2.587 | 428718 | 1856.6 | 60.0 | 2113.9 | 289130 | 104.031 ng/ml |
| Diphenhydramine | 5.334 | 3507687 | 172593.3 | 30.4 | 213421.6 | 1811907 | 97.940 ng/ml |
| Doxylamine | 4.569 | 4200786 | 319810.6 | 85.2 | 280569.2 | 1675891 | 101.463 ng/ml |
| EDDP | 5.301 | 1809025 | 959222930.4 | 42.7 | 1433613.3 | 961769 | 99.186 ng/ml |
| Etizolam | 5.841 | 349157 | ∞ | 23.3 | 382963.5 | 204416 | 99.153 ng/ml |
| Fentanyl | 5.133 | 107117 | 839711.0 | 122.1 | ∞ | 564648 | 9.957 ng/ml |
| Flualprazolam | 5.738 | 239487 | ∞ | 94.9 | 290041.1 | 204416 | 98.869 ng/ml |
| Fluoxetine | 5.733 | 874536 | ∞ | 7.6 | ∞ | 340235 | 102.997 ng/ml |
| Hydrocodone | 3.059 | 505813 | ∞ | 38.2 | ∞ | 295275 | 100.048 ng/ml |
| Hydromorphone | 1.628 | 344544 | ∞ | 77.0 | ∞ | 117850 | 99.843 ng/ml |
| Ketamine | 4.083 | 1247823 | 133609.4 | 38.4 | 10615.5 | 650023 | 101.829 ng/ml |
| Lamotrigine | 4.329 | 95721 | 8717.6 | 88.4 | 3787132.1 | 110571 | 93.254 ng/ml |

AM #28 Multi-Drug Quant. Results

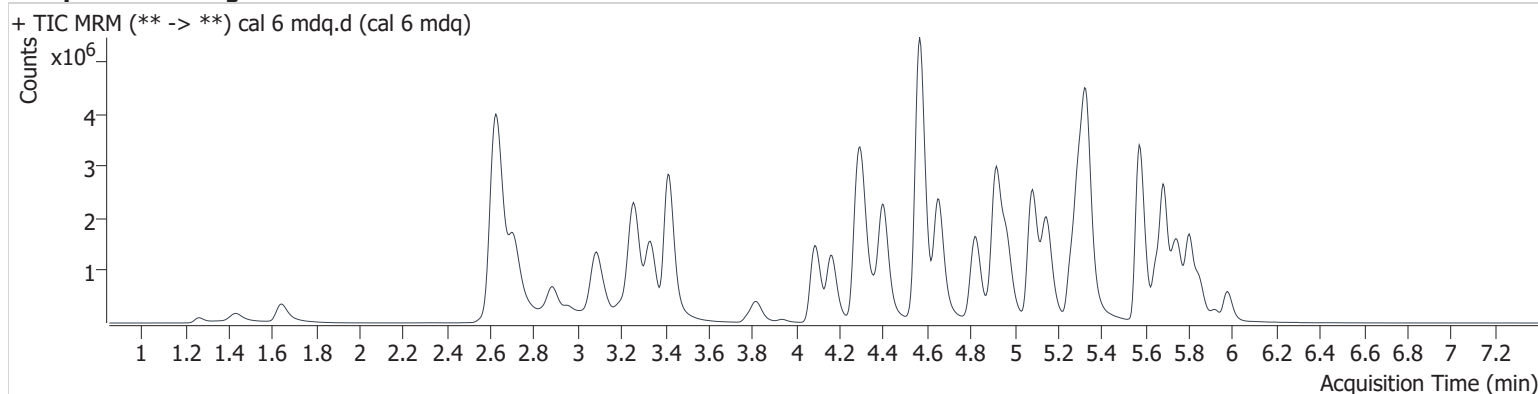
| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|----------------------|-------|---------|------------|-------|-----------|------------|---------------|
| Levetiracetam | 2.702 | 546922 | 53551.0 | 224.5 | 108238.0 | 35126 | 107.523 ng/ml |
| Lorazepam | 5.780 | 41472 | ∞ | 46.6 | 378.3 | 22532 | 107.364 ng/ml |
| MDA | 3.235 | 1000817 | 134328.9 | 26.7 | 11260.1 | 328463 | 102.422 ng/ml |
| MDMA | 3.333 | 1266171 | ∞ | 90.3 | 97569.2 | 137659 | 101.479 ng/ml |
| Meprobamate | 4.961 | 117568 | ∞ | 29.6 | 1626.4 | 42575 | 98.430 ng/ml |
| Methadone | 5.681 | 1786600 | 119637.5 | 52.6 | 35694.4 | 835992 | 96.755 ng/ml |
| Methamphetamine | 3.262 | 1691447 | 56068.1 | 38.5 | ∞ | 829270 | 101.147 ng/ml |
| Metoprolol | 4.365 | 349977 | 1160489.9 | 96.0 | ∞ | 328463 | 106.988 ng/ml |
| Mirtazapine | 4.654 | 2325747 | 2206046.8 | 49.0 | 8258597.0 | 3002142 | 96.766 ng/ml |
| Mitragynine | 5.268 | 401446 | 1046934.6 | 34.4 | 479848.9 | 564648 | 96.619 ng/ml |
| Morphine | 1.246 | 58401 | ∞ | 17.6 | ∞ | 7629 | 98.545 ng/ml |
| Norbuprenorphine | 5.045 | 2285 | 3312.7 | 92.5 | 11786.7 | 13103 | 10.794 ng/ml |
| Nordiazepam | 5.922 | 107591 | ∞ | 62.2 | 273977.7 | 35126 | 103.323 ng/ml |
| Norfentanyl | 4.119 | 85527 | 104095.7 | 38.3 | ∞ | 1008275 | 9.717 ng/ml |
| Norhydrocodone | 3.111 | 40767 | ∞ | 30.0 | ∞ | 91981 | 101.979 ng/ml |
| Noroxycodone | 2.956 | 291280 | ∞ | 44.0 | ∞ | 101984 | 101.144 ng/ml |
| O-desmethyl-tramadol | 3.414 | 3306241 | 28320995.5 | 6.0 | ∞ | 1783989 | 97.886 ng/ml |
| Oxazepam | 5.787 | 49400 | 3810.5 | 74.9 | ∞ | 22532 | 99.614 ng/ml |
| Oxycodone | 2.873 | 937242 | ∞ | 29.3 | ∞ | 387059 | 101.684 ng/ml |
| Oxymorphone | 1.414 | 275443 | ∞ | 44.1 | ∞ | 101298 | 100.898 ng/ml |
| Phentermine | 3.816 | 408959 | 4066.5 | 7.4 | 9065.6 | 545870 | 105.597 ng/ml |
| Promethazine | 5.573 | 1599971 | 1292785.4 | 36.2 | 78164.1 | 801884 | 98.163 ng/ml |
| Pseudoephedrine | 2.622 | 6049809 | ∞ | 24.3 | 60176.8 | 3002142 | 97.548 ng/ml |
| Quetiapine | 5.570 | 1513008 | 3000392.3 | 61.7 | 4497685.0 | 237856 | 103.574 ng/ml |
| Sertraline | 5.801 | 401189 | 394669.1 | 97.4 | ∞ | 162106 | 98.922 ng/ml |
| Temazepam | 5.849 | 345291 | ∞ | 28.9 | 911.9 | 172340 | 95.701 ng/ml |
| Tramadol | 4.282 | 3099107 | 120313.7 | 3.4 | 22965.4 | 1633137 | 100.879 ng/ml |
| Trazodone | 5.149 | 1434346 | 97238.9 | 81.1 | 112301.1 | 507702 | 98.190 ng/ml |
| Venlafaxine | 5.083 | 2341969 | 184897.5 | 37.2 | 16277.3 | 1506821 | 96.067 ng/ml |
| Zolpidem | 4.917 | 3096796 | 9360310.1 | 29.2 | 5978931.8 | 1505276 | 103.660 ng/ml |

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\am 27-28\072821\QuantResults\mdq.batch.bin
Calibration Last Update 7/29/2021 8:19:41 AM

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 3
Acq. Date-Time 7/28/2021 1:43:58 PM
Sample Info.

Sample Chromatogram



| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|---------------------|-------|---------|-------------------------|-------|-----------|------------|---------------|
| 6-MAM | 3.181 | 62287 | ∞ | 132.5 | ∞ | 65370 | 25.256 ng/ml |
| 7-aminoclonazepam | 4.318 | 322509 | 15534.3 | 79.0 | 989716.8 | 76547 | 247.125 ng/ml |
| a-hydroxyalprazolam | 5.733 | 59248 | 9169.2 | 55.5 | 1008.1 | 10385 | 246.268 ng/ml |
| alpha-PHP | 4.966 | 2712905 | 1157490.1 | 40.6 | 1250659.9 | 559525 | 250.764 ng/ml |
| alpha-PVP | 4.405 | 4066213 | 225833.4 | 52.3 | 141826.3 | 676745 | 252.642 ng/ml |
| Alprazolam | 5.806 | 1258372 | ∞ | 88.4 | 9734.5 | 170605 | 252.624 ng/ml |
| Amphetamine | 3.093 | 3100045 | 92405.9 | 41.6 | 39688.3 | 254475 | 231.637 ng/ml |
| Benzoylcegonine | 3.936 | 80200 | 583543.7 | 53.8 | 7361.4 | 11630 | 252.229 ng/ml |
| Buprenorphine | 5.762 | 28089 | 3713.5 | 17.2 | 356.8 | 42384 | 26.451 ng/ml |
| Bupropion | 4.826 | 3254603 | 7158306.9 | 64.7 | 92578.3 | 559525 | 252.063 ng/ml |
| Carisoprodol | 5.762 | 808532 | 2026932.2 | 58.0 | 9283.9 | 138199 | 249.737 ng/ml |
| Citalopram | 5.264 | 2010196 | 73237.4 | 40.7 | ∞ | 364427 | 248.718 ng/ml |
| Clonazepam | 5.650 | 130765 | 67742.4 | 35.0 | 14274.0 | 10385 | 245.031 ng/ml |
| Clonazepam | 5.596 | 278938 | ∞ | 41.4 | 177240.2 | 10385 | 247.761 ng/ml |
| Cocaine | 4.302 | 2635972 | 447528.6 | 50.2 | 295116.5 | 893281 | 251.832 ng/ml |
| Codeine | 2.628 | 265685 | 85756.7 | 94.8 | ∞ | 62062 | 233.162 ng/ml |
| Cyclobenzaprine | 5.652 | 2174824 | 78789.5 | 8.9 | 28572.8 | 311428 | 251.924 ng/ml |
| Dextromethorphan | 5.307 | 1356458 | 2656217751 281010.0 | 72.8 | ∞ | 273392 | 252.424 ng/ml |
| Dextrorphan | 4.164 | 2459574 | 158637.9 | 44.4 | 950744.4 | 540464 | 251.857 ng/ml |
| Diazepam | 5.979 | 804604 | 39969.7 | 87.4 | 20774.6 | 164361 | 248.484 ng/ml |
| Dihydrocodeine | 2.592 | 892293 | 1677.8 | 60.9 | 8305.9 | 269547 | 235.063 ng/ml |
| Diphenhydramine | 5.334 | 6855914 | 532732.8 | 30.5 | 270681.5 | 1381232 | 251.641 ng/ml |
| Doxylamine | 4.566 | 9552509 | 234068.6 | 84.4 | 468247.8 | 1521901 | 255.240 ng/ml |
| EDDP | 5.296 | 3857761 | 1259264.4 | 42.3 | 5819031.0 | 827681 | 246.962 ng/ml |
| Etizolam | 5.841 | 739628 | 114806.6 | 23.6 | ∞ | 170605 | 252.897 ng/ml |
| Fentanyl | 5.133 | 224148 | 2274672377 9841200.0 | 125.7 | 380300.1 | 469587 | 25.141 ng/ml |
| Flualprazolam | 5.738 | 517444 | ∞ | 93.0 | 402162.9 | 170605 | 256.782 ng/ml |
| Fluoxetine | 5.733 | 1672045 | ∞ | 7.5 | 360103.0 | 269931 | 249.228 ng/ml |
| Hydrocodone | 3.064 | 1085974 | ∞ | 39.7 | ∞ | 268412 | 237.420 ng/ml |
| Hydromorphone | 1.643 | 860100 | ∞ | 74.4 | ∞ | 118722 | 248.165 ng/ml |
| Ketamine | 4.088 | 2732205 | 229575.5 | 38.3 | 105643.8 | 571712 | 255.601 ng/ml |
| Lamotrigine | 4.329 | 182451 | ∞ | 86.6 | 615401.6 | 76547 | 256.317 ng/ml |

cal 6 mdq

Generated at 8:20 AM on 7/29/2021

AM #28 Multi-Drug Quant. Results

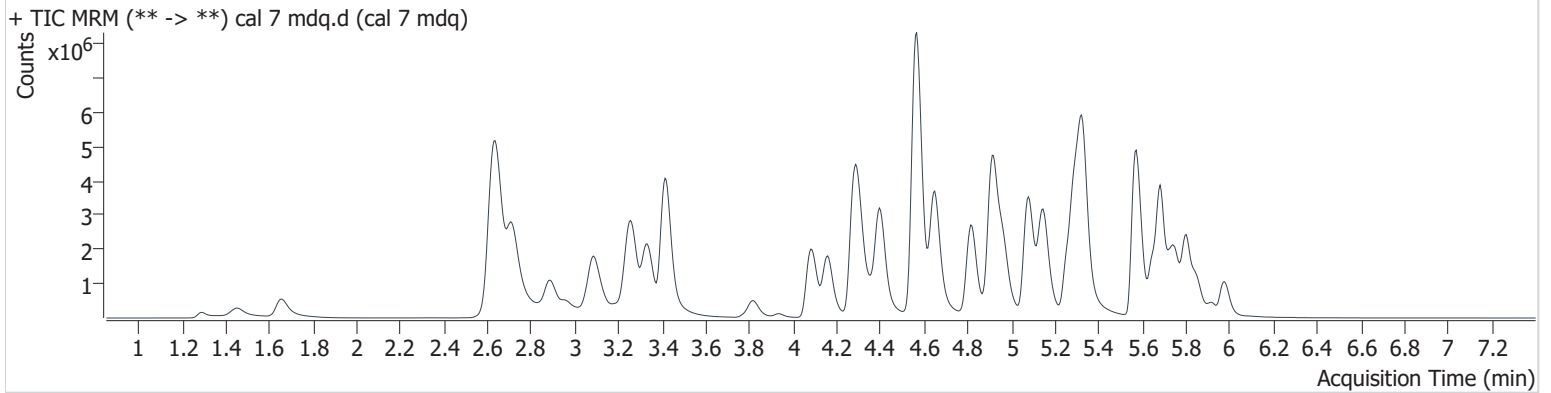
| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|----------------------|-------|----------|------------------------|-------|-----------|------------|---------------|
| Levetiracetam | 2.707 | 1275545 | 230683.9 | 224.7 | 163634.5 | 33577 | 263.582 ng/ml |
| Lorazepam | 5.780 | 84390 | 5774.9 | 49.0 | 2024.7 | 19683 | 252.542 ng/ml |
| MDA | 3.240 | 1832546 | 130215.5 | 27.4 | 13255.7 | 252958 | 245.602 ng/ml |
| MDMA | 3.333 | 2596845 | 117846.0 | 90.6 | 401599.4 | 115836 | 248.489 ng/ml |
| Meprobamate | 4.961 | 238796 | ∞ | 30.1 | 10365.8 | 35760 | 239.096 ng/ml |
| Methadone | 5.686 | 3871768 | 54002.5 | 51.3 | 28139.8 | 682830 | 257.616 ng/ml |
| Methamphetamine | 3.262 | 3508478 | 33338.6 | 38.5 | 20362.4 | 726255 | 244.277 ng/ml |
| Metoprolol | 4.365 | 646607 | 6411258463 671700.0 | 98.2 | ∞ | 252958 | 258.416 ng/ml |
| Mirtazapine | 4.655 | 4883009 | 208099.3 | 48.7 | 493211.5 | 2398061 | 253.975 ng/ml |
| Mitragynine | 5.262 | 823545 | 200902.2 | 33.9 | 1512915.6 | 469587 | 240.777 ng/ml |
| Morphine | 1.266 | 129769 | ∞ | 13.8 | ∞ | 6544 | 257.082 ng/ml |
| Norbuprenorphine | 5.040 | 4471 | 1040.0 | 107.1 | ∞ | 10873 | 24.996 ng/ml |
| Nordiazepam | 5.922 | 248059 | ∞ | 61.0 | ∞ | 33577 | 250.017 ng/ml |
| Norfentanyl | 4.124 | 189159 | 35097.4 | 38.7 | ∞ | 847370 | 25.638 ng/ml |
| Norhydrocodone | 3.116 | 87277 | 1164.3 | 31.0 | 614.2 | 78747 | 255.485 ng/ml |
| Noroxycodone | 2.956 | 622134 | ∞ | 44.9 | ∞ | 87268 | 253.430 ng/ml |
| O-desmethyl-tramadol | 3.419 | 7547137 | 506123.6 | 5.9 | ∞ | 1608178 | 248.760 ng/ml |
| Oxazepam | 5.787 | 111075 | 3424.2 | 70.5 | ∞ | 19683 | 257.500 ng/ml |
| Oxycodone | 2.884 | 2140883 | ∞ | 29.5 | ∞ | 366871 | 246.315 ng/ml |
| Oxymorphone | 1.434 | 642338 | ∞ | 44.1 | ∞ | 94586 | 253.547 ng/ml |
| Phentermine | 3.822 | 819079 | 5701.6 | 7.0 | ∞ | 464591 | 251.016 ng/ml |
| Promethazine | 5.573 | 3387507 | 10927654.7 | 36.4 | 85910.6 | 654097 | 255.697 ng/ml |
| Pseudoephedrine | 2.630 | 12417571 | ∞ | 24.2 | ∞ | 2398061 | 251.418 ng/ml |
| Quetiapine | 5.570 | 2989125 | ∞ | 62.3 | 3360953.9 | 197422 | 249.328 ng/ml |
| Sertraline | 5.801 | 749163 | 1836577.1 | 96.5 | 36867.4 | 119507 | 251.310 ng/ml |
| Temazepam | 5.849 | 707300 | 29026.0 | 28.3 | 3409.7 | 131281 | 257.953 ng/ml |
| Tramadol | 4.282 | 6508070 | 2078083.1 | 3.4 | 5253.0 | 1442324 | 241.481 ng/ml |
| Trazodone | 5.149 | 3046852 | 393555.2 | 80.1 | 97239.4 | 406799 | 260.379 ng/ml |
| Venlafaxine | 5.084 | 5199815 | 353877.1 | 36.4 | ∞ | 1265339 | 254.708 ng/ml |
| Zolpidem | 4.917 | 7018221 | 386789.5 | 28.9 | 2616966.7 | 1403278 | 253.706 ng/ml |

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\am 27-28\072821\QuantResults\mdq.batch.bin
Calibration Last Update 7/29/2021 8:19:41 AM

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 3
Acq. Date-Time 7/28/2021 1:53:00 PM
Sample Info.

Sample Chromatogram



| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|---------------------|-------|----------|------------|-------|------------|------------|---------------|
| 6-MAM | 3.181 | 103692 | ∞ | 136.5 | ∞ | 52993 | 51.910 ng/ml |
| 7-aminoclonazepam | 4.318 | 412186 | ∞ | 78.8 | 51822.3 | 48659 | 497.768 ng/ml |
| a-hydroxyalprazolam | 5.727 | 93825 | 3347.9 | 56.7 | 4047.6 | 9653 | 421.408 ng/ml |
| alpha-PHP | 4.966 | 3839941 | 637477.1 | 40.4 | 61038.6 | 458247 | 435.445 ng/ml |
| alpha-PVP | 4.403 | 6129491 | 160936.0 | 52.3 | ∞ | 507261 | 508.820 ng/ml |
| Alprazolam | 5.801 | 2091567 | 3939.1 | 90.0 | 34092.6 | 138044 | 519.654 ng/ml |
| Amphetamine | 3.093 | 4010463 | 109658.0 | 41.6 | ∞ | 180001 | 425.674 ng/ml |
| Benzoylecgonine | 3.931 | 166404 | 1009507.2 | 53.9 | 8390.5 | 11493 | 531.294 ng/ml |
| Buprenorphine | 5.762 | 33374 | 856.2 | 16.6 | 7361.1 | 26763 | 49.952 ng/ml |
| Bupropion | 4.820 | 5318910 | 88209145.7 | 65.6 | 219538.1 | 458247 | 503.883 ng/ml |
| Carisoprodol | 5.757 | 1227188 | 2056613.3 | 57.5 | 45384.7 | 101992 | 514.276 ng/ml |
| Citalopram | 5.258 | 2851749 | 247545.4 | 41.1 | 1379799.1 | 252545 | 510.065 ng/ml |
| Clonazepam | 5.650 | 247613 | 76971.6 | 31.8 | 43656.1 | 9653 | 499.881 ng/ml |
| Clonazepam | 5.596 | 483776 | ∞ | 40.5 | 53132.5 | 9653 | 463.512 ng/ml |
| Cocaine | 4.301 | 3881808 | 128911.0 | 50.4 | 143997.4 | 659158 | 503.374 ng/ml |
| Codeine | 2.634 | 384387 | ∞ | 93.0 | 25140.4 | 46957 | 447.930 ng/ml |
| Cyclobenzaprine | 5.652 | 3323320 | 11959842.4 | 8.9 | 681783.8 | 230517 | 520.916 ng/ml |
| Dextromethorphan | 5.302 | 1873070 | 33937.7 | 74.0 | 94925.7 | 188852 | 505.281 ng/ml |
| Dextrophan | 4.159 | 3651705 | 55460.7 | 45.2 | 10558776.3 | 404168 | 500.820 ng/ml |
| Diazepam | 5.979 | 1587263 | ∞ | 85.5 | 19617.8 | 162277 | 496.943 ng/ml |
| Dihydrocodeine | 2.597 | 1353481 | 11169.8 | 61.2 | 1502.0 | 227907 | 423.513 ng/ml |
| Diphenhydramine | 5.329 | 9890438 | 1788567.3 | 30.0 | 243540.9 | 956049 | 524.830 ng/ml |
| Doxylamine | 4.566 | 15215064 | 818238.6 | 85.1 | 465039.7 | 1198069 | 517.223 ng/ml |
| EDDP | 5.296 | 6009444 | ∞ | 42.3 | 7776474.4 | 616312 | 517.515 ng/ml |
| Etizolam | 5.841 | 1233938 | ∞ | 23.9 | ∞ | 138044 | 522.285 ng/ml |
| Fentanyl | 5.128 | 321475 | 1239837.7 | 131.7 | 331086.1 | 334072 | 50.743 ng/ml |
| Flualprazolam | 5.732 | 810244 | 71221.3 | 94.3 | ∞ | 138044 | 497.414 ng/ml |
| Fluoxetine | 5.733 | 2134625 | ∞ | 7.6 | ∞ | 175445 | 490.228 ng/ml |
| Hydrocodone | 3.064 | 1875592 | ∞ | 38.1 | ∞ | 217840 | 506.170 ng/ml |
| Hydromorphone | 1.658 | 1428449 | ∞ | 74.5 | ∞ | 96974 | 505.106 ng/ml |
| Ketamine | 4.083 | 4410221 | 523637.3 | 38.0 | 26038.5 | 475292 | 497.606 ng/ml |
| Lamotrigine | 4.329 | 253849 | 9424.3 | 89.2 | 84054.4 | 48659 | 560.717 ng/ml |
| Levetiracetam | 2.717 | 2243537 | 69202.5 | 224.3 | 104392.8 | 30550 | 510.351 ng/ml |

AM #28 Multi-Drug Quant. Results

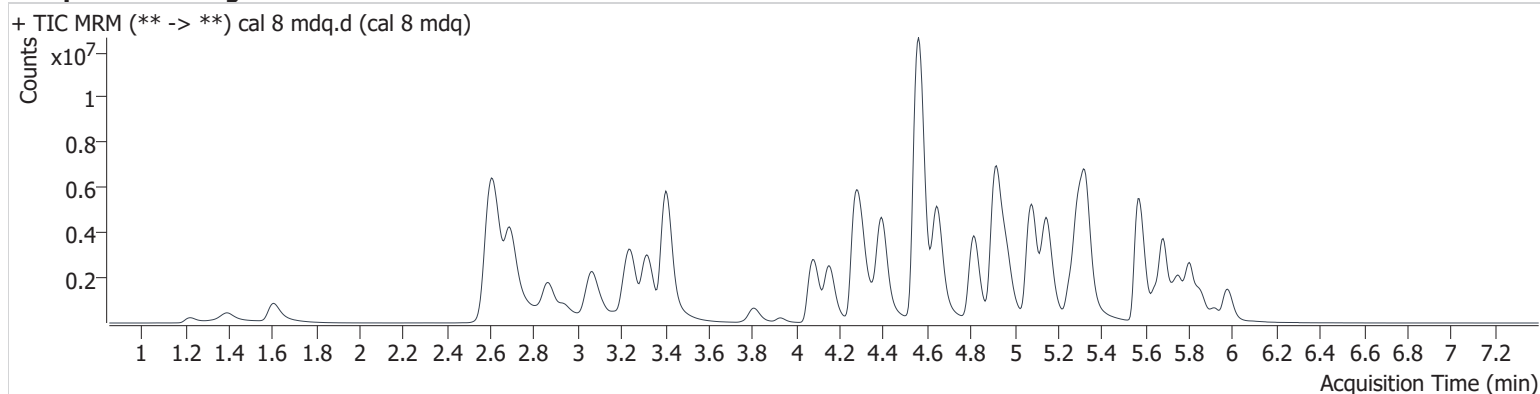
| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|----------------------|-------|----------|------------------------|-------|------------------------|------------|---------------|
| Lorazepam | 5.774 | 140745 | 15263.9 | 51.7 | 3159.0 | 16220 | 512.997 ng/ml |
| MDA | 3.235 | 2607275 | ∞ | 27.0 | 19548.9 | 183746 | 482.507 ng/ml |
| MDMA | 3.333 | 3800402 | 236750.4 | 91.3 | ∞ | 82102 | 513.927 ng/ml |
| Meprobamate | 4.961 | 387824 | 3454082.5 | 29.1 | 74843.7 | 27204 | 511.297 ng/ml |
| Methadone | 5.681 | 6047304 | 706487.3 | 50.1 | ∞ | 516496 | 532.532 ng/ml |
| Methamphetamine | 3.262 | 4264377 | 85462.0 | 38.7 | ∞ | 425881 | 510.009 ng/ml |
| Metoprolol | 4.360 | 890159 | 353924.2 | 97.3 | ∞ | 183746 | 490.873 ng/ml |
| Mirtazapine | 4.649 | 7636012 | 214252.3 | 47.9 | 800497.6 | 1715176 | 555.025 ng/ml |
| Mitragynine | 5.257 | 1225551 | 47394.6 | 33.7 | 798840.3 | 334072 | 505.475 ng/ml |
| Morphine | 1.291 | 224603 | ∞ | 17.0 | ∞ | 5322 | 548.401 ng/ml |
| Norbuprenorphine | 5.029 | 6442 | ∞ | 104.7 | 53804.2 | 8084 | 48.123 ng/ml |
| Nordiazepam | 5.922 | 472246 | ∞ | 62.1 | ∞ | 30550 | 523.757 ng/ml |
| Norfentanyl | 4.119 | 295374 | 43086.6 | 39.1 | ∞ | 624221 | 54.390 ng/ml |
| Norhydrocodone | 3.116 | 130110 | ∞ | 31.9 | ∞ | 57318 | 523.597 ng/ml |
| Noroxycodone | 2.961 | 958483 | ∞ | 43.8 | ∞ | 68355 | 499.105 ng/ml |
| O-desmethyl-tramadol | 3.414 | 12368764 | ∞ | 5.7 | 3336615707 753340.0 | 1263493 | 519.532 ng/ml |
| Oxazepam | 5.781 | 182535 | ∞ | 74.5 | ∞ | 16220 | 514.203 ng/ml |
| Oxycodone | 2.884 | 3614555 | ∞ | 29.4 | ∞ | 304123 | 502.599 ng/ml |
| Oxymorphone | 1.449 | 1083650 | ∞ | 43.5 | ∞ | 79931 | 507.201 ng/ml |
| Phentermine | 3.822 | 1079340 | 11099.6 | 7.1 | 6364.7 | 331774 | 464.770 ng/ml |
| Promethazine | 5.573 | 5194347 | 172629.4 | 36.2 | 383776.7 | 485747 | 528.573 ng/ml |
| Pseudoephedrine | 2.638 | 18321686 | ∞ | 23.8 | ∞ | 1715176 | 519.167 ng/ml |
| Quetiapine | 5.565 | 4792926 | 2728505.0 | 61.1 | 7409474.2 | 169051 | 468.648 ng/ml |
| Sertraline | 5.796 | 960530 | ∞ | 96.8 | 16553765.2 | 74349 | 518.430 ng/ml |
| Temazepam | 5.849 | 1124336 | ∞ | 29.3 | 6216.8 | 106211 | 507.178 ng/ml |
| Tramadol | 4.277 | 9647356 | 365137.8 | 3.3 | 14082.7 | 999535 | 517.873 ng/ml |
| Trazodone | 5.144 | 5142194 | 309255.7 | 80.8 | 273995.3 | 328549 | 544.150 ng/ml |
| Venlafaxine | 5.078 | 8010400 | 1445953419 492530.0 | 36.3 | 76928.4 | 938878 | 529.281 ng/ml |
| Zolpidem | 4.917 | 11988585 | 939911.5 | 28.2 | 236192.3 | 1234775 | 493.646 ng/ml |

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\am 27-28\072821\QuantResults\mdq.batch.bin
Calibration Last Update 7/29/2021 8:19:41 AM

| | | | |
|-------------------------|----------------------|------------------|-------------|
| 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 | 3 | | |
| Acq. Date-Time | 7/28/2021 2:10:58 PM | | |

Sample Chromatogram



| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|---------------------|-------|----------|----------------------|-------|----------|------------|----------------|
| 6-MAM | 3.165 | 180707 | ∞ | 132.2 | 53894.4 | 46503 | 103.133 ng/ml |
| 7-aminoclonazepam | 4.318 | 427680 | 76957.8 | 80.4 | ∞ | 24760 | 1015.913 ng/ml |
| a-hydroxyalprazolam | 5.727 | 160979 | 13478.3 | 55.6 | 14715.3 | 9573 | 730.985 ng/ml |
| alpha-PHP | 4.966 | 5659860 | 306589.9 | 39.9 | ∞ | 350995 | 840.555 ng/ml |
| alpha-PVP | 4.397 | 9718420 | 621595.2 | 52.2 | 318233.5 | 401321 | 1020.441 ng/ml |
| Alprazolam | 5.801 | 2879548 | ∞ | 89.3 | ∞ | 101024 | 978.192 ng/ml |
| Amphetamine | 3.078 | 4590670 | ∞ | 42.0 | ∞ | 133827 | 656.696 ng/ml |
| Benzoylcegonine | 3.926 | 322297 | ∞ | 55.3 | 24536.6 | 11423 | 1036.714 ng/ml |
| Buprenorphine | 5.762 | 20576 | 34701.5 | 17.7 | 450.8 | 9466 | 87.216 ng/ml |
| Bupropion | 4.816 | 7933949 | 18642354.8 | 64.6 | 136788.3 | 350995 | 982.141 ng/ml |
| Carisoprodol | 5.762 | 1749595 | 5427216.7 | 57.3 | ∞ | 73443 | 1018.824 ng/ml |
| Citalopram | 5.258 | 3111009 | 43032.8 | 41.3 | 33405.7 | 140569 | 1000.520 ng/ml |
| Clonazepam | 5.644 | 463185 | 164346.5 | 32.3 | 34968.1 | 9573 | 943.493 ng/ml |
| Clonazepam | 5.596 | 843703 | ∞ | 40.8 | 661744.4 | 9573 | 816.184 ng/ml |
| Cocaine | 4.296 | 5702265 | 720867.9 | 50.0 | 218047.3 | 482966 | 1010.003 ng/ml |
| Codeine | 2.608 | 559014 | ∞ | 94.8 | ∞ | 38526 | 795.751 ng/ml |
| Cyclobenzaprine | 5.652 | 2424617 | ∞ | 8.7 | 793845.5 | 87007 | 1007.642 ng/ml |
| Dextromethorphan | 5.302 | 1649964 | ∞ | 74.2 | ∞ | 85518 | 983.569 ng/ml |
| Dextrophan | 4.154 | 5477297 | 457476.9 | 44.1 | 75669.1 | 299718 | 1013.804 ng/ml |
| Diazepam | 5.979 | 2489667 | 8444354931 9211.6 | 84.7 | ∞ | 125916 | 1005.027 ng/ml |
| Dihydrocodeine | 2.567 | 2050253 | 1421.5 | 61.7 | 12273.0 | 211150 | 693.899 ng/ml |
| Diphenhydramine | 5.329 | 10881108 | ∞ | 29.6 | 206547.8 | 533031 | 1035.955 ng/ml |
| Doxylamine | 4.561 | 25484713 | 953549.6 | 86.5 | 948839.7 | 1087808 | 954.800 ng/ml |
| EDDP | 5.296 | 9796731 | 1671647.6 | 41.3 | 492554.1 | 508060 | 1024.203 ng/ml |
| Etizolam | 5.841 | 1793682 | 44415.0 | 23.6 | ∞ | 101024 | 1038.199 ng/ml |
| Fentanyl | 5.128 | 251822 | ∞ | 129.6 | 885113.4 | 126904 | 104.698 ng/ml |
| Flualprazolam | 5.732 | 1171067 | ∞ | 91.8 | ∞ | 101024 | 982.875 ng/ml |
| Fluoxetine | 5.733 | 933493 | 451759.7 | 7.4 | ∞ | 40355 | 932.684 ng/ml |
| Hydrocodone | 3.044 | 3244554 | ∞ | 37.9 | ∞ | 201852 | 945.682 ng/ml |
| Hydromorphone | 1.608 | 2406259 | ∞ | 74.2 | ∞ | 78046 | 1057.780 ng/ml |
| Ketamine | 4.078 | 7001110 | 889421.4 | 37.4 | 182698.4 | 406788 | 924.166 ng/ml |
| Lamotrigine | 4.324 | 270624 | 212439.7 | 86.2 | ∞ | 24760 | 1174.458 ng/ml |

AM #28 Multi-Drug Quant. Results

| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|----------------------|-------|----------|-------------------------|-------|-------------|------------|----------------|
| Levetiracetam | 2.692 | 3679962 | 150516.3 | 225.5 | 672560.6 | 25150 | 1017.687 ng/ml |
| Lorazepam | 5.774 | 256839 | ∞ | 48.9 | ∞ | 15562 | 977.380 ng/ml |
| MDA | 3.220 | 4059768 | ∞ | 26.0 | ∞ | 147580 | 936.841 ng/ml |
| MDMA | 3.317 | 5670032 | ∞ | 90.2 | 197592.8 | 66626 | 945.535 ng/ml |
| Meprobamate | 4.961 | 495122 | ∞ | 29.7 | 656228.9 | 16665 | 1066.394 ng/ml |
| Methadone | 5.681 | 6138927 | 11634495.0 | 50.4 | 251216.4 | 280552 | 995.723 ng/ml |
| Methamphetamine | 3.247 | 4195583 | ∞ | 38.8 | ∞ | 241318 | 888.084 ng/ml |
| Metoprolol | 4.354 | 1206095 | 3489975.5 | 99.3 | ∞ | 147580 | 828.939 ng/ml |
| Mirtazapine | 4.649 | 10822302 | 636988.8 | 47.5 | 9474309.8 | 1215606 | 1109.668 ng/ml |
| Mitragynine | 5.257 | 927443 | 311158.5 | 34.4 | 1742128.0 | 126904 | 1008.630 ng/ml |
| Morphine | 1.226 | 349318 | ∞ | 16.6 | ∞ | 4893 | 928.393 ng/ml |
| Norbuprenorphine | 5.034 | 5831 | 1409.9 | 101.6 | 7079.3 | 3882 | 90.412 ng/ml |
| Nordiazepam | 5.922 | 749724 | ∞ | 62.2 | 345271.9 | 25150 | 1010.554 ng/ml |
| Norfentanyl | 4.114 | 456793 | 210960.2 | 39.1 | ∞ | 453381 | 115.854 ng/ml |
| Norhydrocodone | 3.100 | 199506 | 889.1 | 35.0 | ∞ | 44212 | 1041.173 ng/ml |
| Noroxycodone | 2.941 | 1555759 | ∞ | 44.4 | ∞ | 60138 | 921.357 ng/ml |
| O-desmethyl-tramadol | 3.404 | 20045424 | 2861942702 5508400.0 | 5.7 | 1071600.2 | 1035758 | 1027.675 ng/ml |
| Oxazepam | 5.781 | 337850 | 179904.6 | 72.5 | ∞ | 15562 | 992.606 ng/ml |
| Oxycodone | 2.863 | 6492170 | ∞ | 28.9 | ∞ | 288790 | 951.453 ng/ml |
| Oxymorphone | 1.389 | 1884829 | ∞ | 43.9 | ∞ | 75124 | 939.527 ng/ml |
| Phentermine | 3.811 | 1502834 | 13666.9 | 7.2 | ∞ | 256909 | 837.193 ng/ml |
| Promethazine | 5.573 | 3361550 | 2328181.2 | 36.5 | ∞ | 168391 | 987.237 ng/ml |
| Pseudoephedrine | 2.610 | 25633730 | ∞ | 23.8 | ∞ | 1215606 | 1025.342 ng/ml |
| Quetiapine | 5.565 | 7950892 | 26455564.5 | 61.9 | 967280816.2 | 142119 | 926.733 ng/ml |
| Sertraline | 5.796 | 372530 | ∞ | 97.9 | ∞ | 15256 | 980.289 ng/ml |
| Temazepam | 5.854 | 1564222 | 78202.9 | 29.0 | 9398.9 | 70126 | 1069.087 ng/ml |
| Tramadol | 4.272 | 14715061 | 425177.2 | 3.2 | 38190.7 | 837831 | 943.322 ng/ml |
| Trazodone | 5.149 | 8060587 | 960041.9 | 81.1 | 1174041.0 | 227288 | 1233.046 ng/ml |
| Venlafaxine | 5.078 | 13606342 | 922364.8 | 35.7 | 154540.9 | 801435 | 1053.634 ng/ml |
| Zolpidem | 4.917 | 18969080 | 1139773.5 | 29.0 | 7017966.7 | 1081490 | 892.746 ng/ml |