

REVIEWED

By Sarah Pickle at 1:23 pm, Aug 26, 2019

7/24/2019

TS

Worklist: 3565

| <u>LAB CASE</u> | <u>ITEM</u> | <u>TASK ID</u> | <u>DESCRIPTION</u> | |
|-----------------|-------------|----------------|---|---|
| C2019-1262 | 4 | 158099 | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC |  |
| M2019-2921 | 2 | 158100 | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC |  |
| M2019-3002 | 1 | 158101 | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC |  |
| M2019-3006 | 2 | 158102 | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC |  |
| M2019-3040 | 2 | 158103 | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC |  |
| P2019-1944 | 1 | 158104 | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC |  |
| P2019-2021 | 1 | 158105 | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC |  |
| P2019-2034 | 1 | 158106 | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC |  |
| P2019-2044 | 1 | 158107 | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC |  |
| P2019-2045 | 1 | 158108 | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC |  |
| P2019-2076 | 1 | 158109 | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC |  |
| P2019-2111 | 1 | 158110 | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC |  |
| P2019-2137 | 1 | 158111 | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC |  |
| P2019-2147 | 1 | 158113 | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC |  |
| P2019-2169 | 1 | 158112 | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC |  |
| P2019-2169 | 2 | 158114 | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC |  |
| P2019-2176 | 1 | 158115 | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC |  |
| P2019-2179 | 1 | 158116 | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC |  |
| P2019-2186 | 1 | 158117 | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC |  |

TS

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

Extraction Date: 08/22/19
Plate lot#: Item #:IDP-111 Lot:190729

Analyst: Tamara Salazar
Plate Expiration: 01/29/20

Mobile phase A: 5mM Amm Form + 0.01% FA
0.5M Ammonium Hydroxide

Mobile phase B: 0.01% Formic Acid in MeOH
Ethyl Acetate 20% Methanol in Water

Blank Blood Lot: 445283-1

Column: ~~Agilent 120 EC-C18 (2.1x100-4um)~~

LCMS-QQQ ID: 069901

Agilent 120 EC-C18 (2.1 x 100-2.7um) 09/16/19 TS

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. Pipette **250µL blood (calibrated pipette) Pipette ID: 3** in wells of analytical (standards) plate.
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes. *Shaker ID: 067105*
- 4. Pipette **250µL 00.5M ammonium hydroxide** in wells of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 6. Transfer **300µL of blood+base** mixture to corresponding wells of SLE+ plate.
- 7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent).
(Load at 85-100 PSI- Selector to the right) Manifold ID: 067104
- 8. Wait 5 minutes.
- 9. Add **900uL ethyl acetate**.
- 10. Wait 5 minutes.
- 11. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left)*.
- 12. Add **900uL ethyl acetate**.
- 13. Wait 5 minutes.
- 14. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left)*.
- 15. Remove plate containing eluate. Place on SPE Dry and evaporate to dryness at approx. 35°C.
SPE Dry ID: 067103
- 16. Reconstitute in **100µL 20% MeOH** and heat seal plate with foil. Place in autosampler and run worklist.

Post-Analytic

- 1. Create batch and process data.
Worklist path: *D:\MassHunter\Data\2019\AM 28\082219 MDQ TS MDS SP*
Batch Name: *MDQ wklst365 TS*
- 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? Y / N _____ Add Control data to QC tracking spreadsheet.
- 6. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports.

COMMENTS:

Samples originally extracted 07/25/19. However, due to high background interfering with the compound response and variability in the internal standard response, the data could not be evaluated. The samples were re-extracted on 08/22/19 after the background signal was reduced.

TS

Curves Limited: 7-aminoclonazepam 5-500, Buprenorphine 2.5-100, Lamotrigine 5-500, Lorazepam 10-1000, Norhydrocodone: 5-250, Oxazepam 25-1000 (qualitative only)

Not evaluated: Mirtazapine, Norbuprenorphine, Sertraline

TS

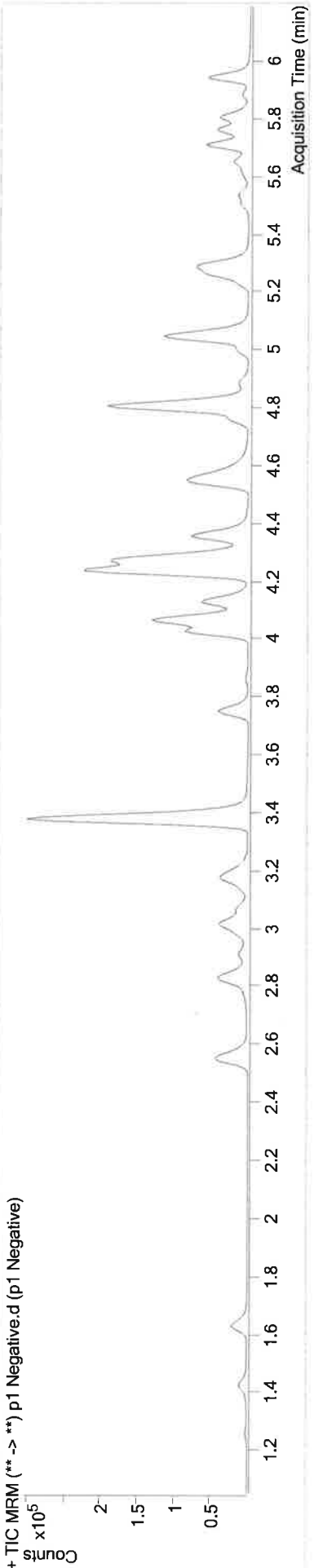


AM #28 Multi-Drug Quant. Results

Batch results Calibration Last Update D:\MassHunter\Data\2019\AM 28\082219 MDQ TS MDS SP\QuantResults\MDQ_wk1st 365 TS.batch.bin 8/26/2019 9:26:02 AM

| | | | |
|-------------------------|--------------------------|------------------------|---------------|
| Instrument Type | Falco Sample | Data File | p1 Negative.d |
| Acq. Method | MDQ P1 Combined 082219.m | Sample Operator | p1 Negative |
| Sample Position | P1-E2 | Comment | |
| Injection Volume | 1 | | |
| Acq. Date-Time | 8/22/2019 4:00:56 PM | | |

Sample Chromatogram



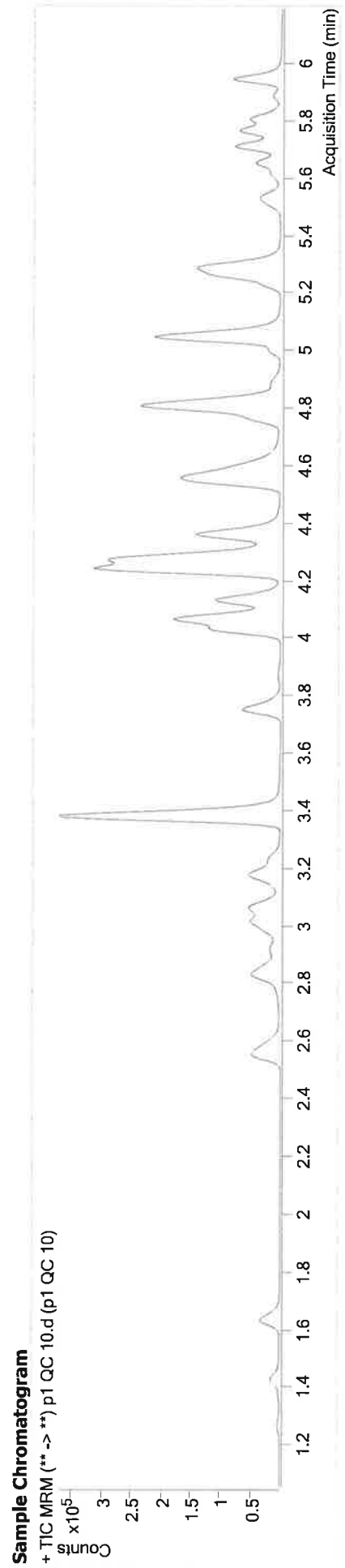
TS



AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2019\AM 28\082219 MDQ TS MDS SP\QuantResults\MDQ wk1st 365 TS.batch.bin
Calibration Last Update 8/26/2019 9:26:02 AM

| | | | |
|-------------------------|--------------------------|------------------|------------|
| Instrument | Falco | Data File | p1 QC 10.d |
| Type | QC | Sample | p1 QC 10 |
| Acq. Method | MDQ P1 Combined 082219.m | Operator | |
| Sample Position | P1-A2 | Comment | |
| Injection Volume | 1 | | |
| Acq. Date-Time | 8/22/2019 3:19:08 PM | | |



| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|---------------------|-------|-------|----------|-------|----------|------------|---------------|
| 6-MAM | 3.156 | 1093 | 649.65 | 72.3 | 258.92 | 27371 | 0.9215 ng/ml |
| 7-aminoclonazepam | 4.262 | 14006 | 1155.92 | 78.8 | 2919.54 | 60082 | 10.2822 ng/ml |
| a-hydroxyalprazolam | 5.697 | 739 | 29.90 | 92.7 | ∞ | 6672 | 6.3039 ng/ml |
| alpha-PVP | 4.375 | 58844 | 27497.15 | 49.8 | 1224.39 | 262146 | 9.9323 ng/ml |
| Alprazolam | 5.774 | 24875 | 271.39 | 111.4 | 590.54 | 83195 | 9.8359 ng/ml |
| Amphetamine | 3.074 | 55234 | 728.69 | 51.5 | 2095.32 | 64040 | 10.5468 ng/ml |
| Benzoylcegonine | 3.892 | 2182 | 387.82 | 6.8 | 75.82 | 7616 | 9.8112 ng/ml |
| Bupropion | 4.783 | 35352 | 25953.26 | 58.7 | 911.72 | 116060 | 10.3237 ng/ml |
| Carisoprodol | 5.723 | 20399 | 19584.48 | 60.0 | 134.98 | 97475 | 9.7675 ng/ml |
| Citalopram | 5.240 | 13105 | 651.08 | 39.4 | 593.19 | 59040 | 9.9667 ng/ml |
| Clonazepam | 5.611 | 4050 | 266.27 | 32.8 | ∞ | 6807 | 10.8694 ng/ml |
| Cocaine | 4.282 | 55158 | 7317.40 | 48.2 | 10709.39 | 470805 | 9.7128 ng/ml |
| Codeine | 2.610 | 7884 | 807.02 | 105.9 | 64.45 | 34519 | 10.4243 ng/ml |
| Cyclobenzaprine | 5.627 | 4444 | 4400.95 | 9.9 | 28.66 | 18111 | 9.5295 ng/ml |
| Dextromethorphan | 5.276 | 6231 | 406.24 | 79.6 | 839.37 | 26623 | 9.8973 ng/ml |
| Dextroprhan | 4.138 | 16048 | 887.03 | 206.3 | 674.35 | 201763 | 10.3293 ng/ml |
| Diazepam | 5.952 | 25201 | 408.17 | 88.4 | 663.75 | 117612 | 9.9237 ng/ml |
| Dihydrocodeine | 2.589 | 21002 | 2436.74 | 67.9 | 3526.34 | 115055 | 10.3519 ng/ml |

TS



AM #28 Multi-Drug Quant. Results

| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|----------------------|-------|--------|----------|-------|---------|------------|---------------|
| Diphenhydramine | 5.303 | 31104 | ∞ | 30.9 | 582.92 | 193038 | 10.0732 ng/ml |
| Doxylamine | 4.571 | 112585 | 2983.04 | 96.4 | ∞ | 476102 | 9.9506 ng/ml |
| EDDP | 5.268 | 34353 | 7695.79 | 43.0 | 785.83 | 181102 | 10.2373 ng/ml |
| Fentanyl | 5.083 | 499 | 49.70 | 82.4 | 659.63 | 25806 | 1.0962 ng/ml |
| Fluoxetine | 5.713 | 6398 | 194.97 | 8.5 | ∞ | 19688 | 10.4191 ng/ml |
| Hydrocodone | 3.051 | 17664 | 262.30 | 36.1 | 66.84 | 114447 | 9.6247 ng/ml |
| Hydromorphone | 1.648 | 17490 | 219.41 | 74.6 | 346.06 | 64733 | 9.8951 ng/ml |
| Ketamine | 4.051 | 54508 | 830.94 | 36.8 | 501.99 | 235860 | 10.2096 ng/ml |
| Lamotrigine | 4.293 | 5401 | 274.28 | 80.2 | 382.68 | 235860 | 10.1291 ng/ml |
| Lorazepam | 5.745 | 1109 | 41.06 | 49.9 | 7.44 | 6807 | 12.6845 ng/ml |
| Meprobamate | 4.913 | 5078 | 557.49 | 28.8 | 510.32 | 27444 | 9.6680 ng/ml |
| Methadone | 5.658 | 12519 | 766.20 | 62.0 | 477.73 | 57807 | 9.8567 ng/ml |
| Methamphetamine | 3.240 | 26675 | 48.09 | 41.7 | 78.68 | 126395 | 9.7856 ng/ml |
| Metoprolol | 4.338 | 13365 | 33013.75 | 95.1 | 668.58 | 611714 | 11.3787 ng/ml |
| Mirtazapine | 4.606 | 28777 | 6691.46 | 51.4 | 565.49 | 262146 | 10.0654 ng/ml |
| Mitragynine | 5.211 | 227 | 249.13 | 36.4 | 2519.59 | 57807 | 11.8177 ng/ml |
| Morphine | 1.273 | 4279 | 1344.68 | 20.2 | 178.69 | 5609 | 9.9557 ng/ml |
| Nordiazepam | 5.898 | 5216 | 1742.83 | 55.5 | 866.72 | 15448 | 10.9637 ng/ml |
| Norfentanyl | 4.100 | 8190 | 2334.74 | 35.2 | 97.42 | 379774 | 0.9696 ng/ml |
| Norhydrocodone | 3.092 | 742 | 138.68 | 26.5 | 879.35 | 32000 | 8.8947 ng/ml |
| Noroxycodone | 2.935 | 11714 | 103.15 | 47.9 | 88.93 | 34300 | 10.1440 ng/ml |
| O-desmethyl-tramadol | 3.388 | 148287 | 9974.81 | 6.7 | 618.97 | 785506 | 10.1530 ng/ml |
| Oxazepam | 5.748 | 1069 | 12.50 | 72.0 | 2.74 | 6806 | 9.2353 ng/ml |
| Oxycodone | 2.860 | 32831 | 179.45 | 31.2 | 72.86 | 142841 | 10.4832 ng/ml |
| Oxymorphone | 1.430 | 9713 | 1193.43 | 46.6 | 299.75 | 35669 | 9.8670 ng/ml |
| Phentermine | 3.790 | 14187 | 172.92 | 2.7 | ∞ | 160810 | 10.3931 ng/ml |
| Promethazine | 5.545 | 9491 | 515.56 | 31.1 | 62.75 | 35530 | 11.7926 ng/ml |
| Quetiapine | 5.521 | 23389 | 3944.77 | 55.5 | 7443.21 | 27395 | 11.0074 ng/ml |
| Seftalaine | 5.781 | 2975 | 130.12 | 96.3 | 254.91 | 9450 | 9.9833 ng/ml |
| Temazepam | 5.815 | 13590 | 222.22 | 31.9 | 33.83 | 72790 | 9.7600 ng/ml |
| Tramadol | 4.258 | 129558 | 47721.89 | 3.5 | 131.55 | 611714 | 10.6942 ng/ml |
| Trazodone | 5.043 | 12813 | ∞ | 81.0 | 175.02 | 52112 | 10.1895 ng/ml |
| Venlafaxine | 5.052 | 73551 | 1418.14 | 33.9 | 566.08 | 389279 | 10.0008 ng/ml |
| Zolpidem | 4.828 | 116426 | 1181.93 | 32.7 | 984.21 | 499502 | 10.1825 ng/ml |

Not evaluated. TS

Outside conc range. TS

Not evaluated. TS

TS



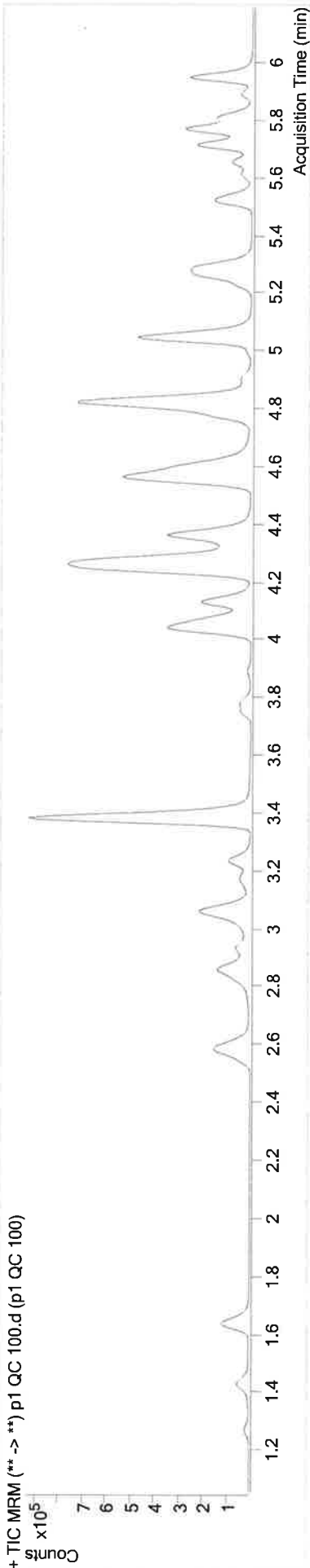
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2019\AM 28\082219 MIDQ TS MDS SP\QuantResults\MIDQ wk1st 365 TS.batch.bin
Calibration Last Update 8/26/2019 10:31:53 AM

Instrument Falco
Type QC
Acq. Method MDQ P1 Combined 082219.m
Sample Position P1-B2
Injection Volume 1
Acq. Date-Time 8/22/2019 3:40:02 PM
Sample Info.

Data File
Sample p1 QC 100.d
Operator p1 QC 100
Comment

Sample Chromatogram



| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|---------------------|-------|--------|----------|-------|-----------|------------|----------------|
| 6-MAM | 3.156 | 11098 | 77334.67 | 71.9 | 3084.28 | 26937 | 9.7593 ng/ml |
| 7-aminoclonazepam | 4.262 | 112041 | 8154.58 | 79.5 | 5579.25 | 51211 | 102.8080 ng/ml |
| a-hydroxyalprazolam | 5.697 | 10288 | 4599.97 | 72.2 | 299.02 | 6755 | 105.7683 ng/ml |
| alpha-PVP | 4.369 | 432197 | 25873.29 | 50.4 | 11020.61 | 198429 | 97.4195 ng/ml |
| Alprazolam | 5.774 | 242189 | 2285.60 | 109.6 | 2815.32 | 80897 | 97.6853 ng/ml |
| Amphetamine | 3.067 | 271639 | 1975.72 | 52.2 | 13403.35 | 34647 | 110.1778 ng/ml |
| Benzoyllecgonine | 3.892 | 17021 | 6386.87 | 7.7 | 317.67 | 7786 | 99.8209 ng/ml |
| Buprenorphine | 5.662 | 1591 | 326.29 | 12.8 | 319.80 | 5249 | 10.3027 ng/ml |
| Bupropion | 4.783 | 229394 | 7889.06 | 60.3 | 1989.54 | 81379 | 98.6705 ng/ml |
| Carisoprodol | 5.723 | 210745 | 18794.16 | 58.4 | 355.10 | 102163 | 98.7103 ng/ml |
| Citalopram | 5.233 | 89110 | 883.59 | 41.3 | 3496.21 | 42466 | 99.1466 ng/ml |
| Clonazepam | 5.611 | 38818 | 10083.40 | 32.5 | ∞ | 7510 | 96.1928 ng/ml |
| Cocaine | 4.275 | 461366 | 36457.03 | 48.8 | 143025.36 | 401033 | 96.3204 ng/ml |
| Codeine | 2.604 | 70107 | 12500.53 | 105.3 | 20126.87 | 32426 | 104.1096 ng/ml |
| Cyclobenzaprine | 5.627 | 28470 | ∞ | 10.6 | 111.30 | 14056 | 98.7964 ng/ml |
| Dextromethorphan | 5.276 | 37074 | 1134.09 | 80.6 | 343.74 | 17413 | 100.7898 ng/ml |
| Dextroproprian | 4.138 | 109950 | 3575.20 | 212.0 | 5169.19 | 144613 | 101.2460 ng/ml |
| Diazepam | 5.952 | 238418 | 4290.50 | 87.5 | 758.94 | 114581 | 103.0171 ng/ml |

TS



AM #28 Multi-Drug Quant. Results

| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|----------------------|-------|---------|-----------|-------|----------|------------|----------------|
| Dihydrocodeine | 2.582 | 197781 | 54593.87 | 68.4 | 41067.28 | 116738 | 104.9679 ng/ml |
| Diphenhydramine | 5.297 | 193834 | 14238.98 | 31.4 | 289.10 | 131465 | 99.1559 ng/ml |
| Doxylamine | 4.564 | 832182 | 33422.20 | 97.2 | 24197.17 | 367012 | 97.0698 ng/ml |
| EDDP | 5.268 | 230113 | 40003.31 | 41.8 | 3060.36 | 126444 | 98.7766 ng/ml |
| Fentanyl | 5.076 | 3027 | 16558.75 | 78.4 | 5175.66 | 18723 | 9.0636 ng/ml |
| Fluoxetine | 5.713 | 30217 | 3290.93 | 8.8 | 1665.80 | 12455 | 100.5969 ng/ml |
| Hydrocodone | 3.044 | 159943 | 625.80 | 36.4 | 1297.31 | 100522 | 105.6875 ng/ml |
| Hydrocodone | 1.641 | 160643 | 2794.08 | 73.1 | 1081.90 | 60249 | 99.7116 ng/ml |
| Ketamine | 4.044 | 483958 | 14781.21 | 37.6 | 2093.54 | 217555 | 103.2422 ng/ml |
| Lamotrigine | 4.293 | 50899 | 6391.42 | 82.7 | 3598.29 | 217555 | 110.1552 ng/ml |
| Lorazepam | 5.745 | 9153 | 155.94 | 51.7 | 109.70 | 7510 | 96.0346 ng/ml |
| Meprobamate | 4.913 | 53956 | 28556.14 | 26.6 | 344.91 | 29611 | 99.3692 ng/ml |
| Methadone | 5.658 | 78352 | 1142.84 | 57.4 | ∞ | 40292 | 95.7068 ng/ml |
| Methamphetamine | 3.240 | 161338 | 3359.09 | 42.4 | 10449.24 | 84847 | 96.5820 ng/ml |
| Metoprolol | 4.331 | 98318 | 6726.82 | 93.8 | ∞ | 523000 | 103.2334 ng/ml |
| Mirtazapine | 4.606 | 202220 | 16812.88 | 52.2 | 34429.92 | 198429 | 97.3941 ng/ml |
| Mitragyline | 5.211 | 12726 | 55856.24 | 33.5 | 7800.46 | 40292 | 93.6990 ng/ml |
| Morphine | 1.273 | 38652 | 3696.96 | 19.5 | 9786.21 | 5238 | 102.2156 ng/ml |
| Norbuprenorphine | 5.001 | 72 | 234.84 | 58.3 | 75.64 | 359 | 11.1447 ng/ml |
| Nordiazepam | 5.898 | 49301 | 1876.84 | 57.8 | 705.54 | 16414 | 98.9908 ng/ml |
| Norfentanyl | 4.093 | 69518 | 527.37 | 35.3 | 2350.24 | 322269 | 9.7228 ng/ml |
| Norhydrocodone | 3.092 | 8236 | 511.05 | 24.4 | 904.62 | 29235 | 102.0755 ng/ml |
| Noroxycodone | 2.935 | 98360 | 249.85 | 49.6 | 751.38 | 31071 | 98.7530 ng/ml |
| O-desmethyl-tramadol | 3.388 | 1450272 | 114688.66 | 6.7 | 32286.11 | 792078 | 101.0446 ng/ml |
| Oxazepam | 5.755 | 10941 | 50.43 | 64.9 | ∞ | 6861 | 103.2184 ng/ml |
| Oxycodone | 2.860 | 299228 | 483.77 | 31.6 | 125.60 | 144214 | 102.0269 ng/ml |
| Oxymorphone | 1.430 | 87371 | 612.53 | 48.4 | 2742.55 | 34243 | 97.0069 ng/ml |
| Phentermine | 3.790 | 86868 | 1869.22 | 2.6 | 75.22 | 104881 | 105.7605 ng/ml |
| Promethazine | 5.545 | 57554 | 2275.41 | 32.0 | ∞ | 26800 | 100.0171 ng/ml |
| Quetiapine | 5.521 | 197367 | 28216.09 | 55.1 | 1426.06 | 24977 | 105.9657 ng/ml |
| Setraline | 5.781 | 11317 | 690.70 | 94.8 | 970.72 | 5318 | 97.5503 ng/ml |
| Temazepam | 5.815 | 138519 | 503.17 | 32.3 | 92.20 | 74927 | 102.2174 ng/ml |
| Tramadol | 4.251 | 1037494 | 190690.93 | 3.5 | 5002.45 | 523000 | 107.7262 ng/ml |
| Trazodone | 5.043 | 114910 | 14415.34 | 75.9 | 3178.66 | 49990 | 107.2321 ng/ml |
| Venlafaxine | 5.052 | 523326 | 20886.23 | 33.8 | 692.67 | 284688 | 99.6397 ng/ml |
| Zolpidem | 4.828 | 1163767 | 172449.61 | 31.9 | 44504.67 | 519310 | 101.9948 ng/ml |

Not evaluated.

Not evaluated.

Not evaluated.



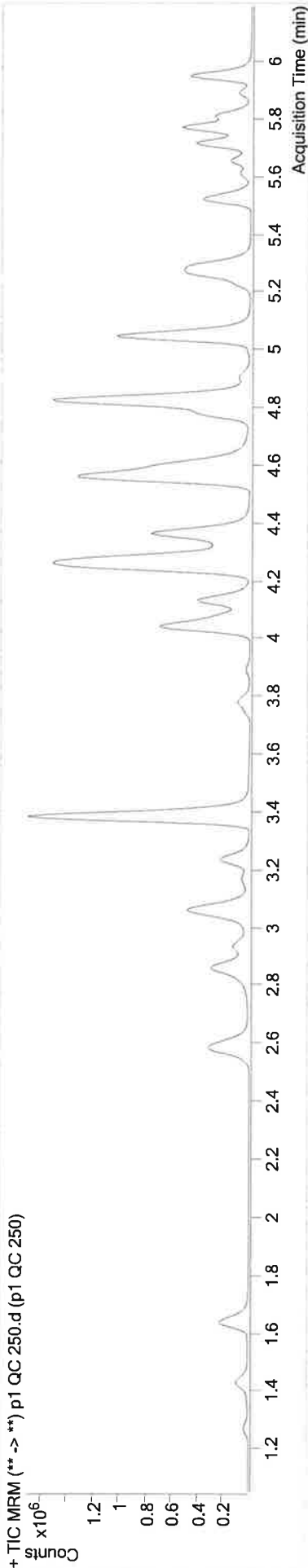
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2019\AM 28\082219 MDQ TS MDS SP\QuantResults\MDQ wk1st 365 TS.batch.bin
Calibration Last Update 8/26/2019 9:26:02 AM

Instrument Falco
Type QC
Acq. Method MDQ P1 Combined 082219.m
Sample Position P1-C2
Injection Volume 1
Acq. Date-Time 8/22/2019 4:21:53 PM
Sample Info.

Data File
Sample p1 QC 250.d
Operator p1 QC 250
Comment

Sample Chromatogram



| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|---------------------|-------|---------|------------|-------|----------|------------|----------------|
| 6-MAM | 3.156 | 26275 | 2019.00 | 71.1 | 744.07 | 24251 | 25.7084 ng/ml |
| 7-aminoclonazepam | 4.262 | 220057 | 607.43 | 79.0 | 7980.25 | 42873 | 242.2058 ng/ml |
| a-hydroxyalprazolam | 5.697 | 22487 | 368.24 | 76.4 | 2957.21 | 6262 | 251.4085 ng/ml |
| alpha-PVP | 4.369 | 1091987 | 67239.99 | 50.3 | 45610.47 | 199009 | 245.6050 ng/ml |
| Alprazolam | 5.774 | 514034 | ∞ | 108.2 | 1953.81 | 65024 | 257.7965 ng/ml |
| Amphetamine | 3.067 | 644723 | 6092.60 | 52.4 | 12815.63 | 35248 | 259.4008 ng/ml |
| Benzoylcegonine | 3.892 | 38934 | 737.78 | 7.7 | 591.78 | 7078 | 256.8726 ng/ml |
| Buprenorphine | 5.662 | 3262 | 492.00 | 15.3 | 2475.85 | 4311 | 26.4781 ng/ml |
| Bupropion | 4.783 | 584902 | 2036495.95 | 59.4 | 4725.95 | 81380 | 252.1717 ng/ml |
| Carisoprodol | 5.723 | 462763 | 2277.08 | 58.0 | 2685.70 | 87014 | 254.9233 ng/ml |
| Citalopram | 5.240 | 201351 | 5937.44 | 41.5 | 4155.87 | 38262 | 249.5248 ng/ml |
| Clonazepam | 5.611 | 89227 | ∞ | 32.8 | 4379.49 | 6982 | 238.1791 ng/ml |
| Cocaine | 4.275 | 1106472 | 101312.81 | 47.8 | 32506.96 | 374193 | 247.7380 ng/ml |
| Codeine | 2.610 | 151959 | 285.73 | 105.4 | ∞ | 28855 | 254.5144 ng/ml |
| Cyclobenzaprine | 5.627 | 51736 | 1203.95 | 10.8 | 812.82 | 10814 | 237.1289 ng/ml |
| Dextromethorphan | 5.276 | 80648 | 866.66 | 81.7 | 3468.45 | 15671 | 245.5125 ng/ml |
| Dextroproprian | 4.138 | 264410 | 3756.36 | 211.5 | 38687.44 | 138555 | 254.5675 ng/ml |
| Diazepam | 5.952 | 500117 | 12345.43 | 87.2 | 1067.72 | 96477 | 257.7831 ng/ml |

TS



AM #28 Multi-Drug Quant. Results

| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|----------------------|-------|---------|------------|-------|-----------|------------|----------------|
| Dihydrocodeine | 2.582 | 440344 | 114529.25 | 68.5 | 56243.55 | 108496 | 252.9520 ng/ml |
| Diphenhydramine | 5.303 | 453977 | 2304.04 | 31.6 | 4502.23 | 121525 | 252.5411 ng/ml |
| Doxylamine | 4.564 | 2181416 | 143331.46 | 97.3 | 53384.01 | 377436 | 247.7226 ng/ml |
| EDDP | 5.268 | 583763 | 78881.16 | 42.7 | 1374.57 | 130031 | 243.7644 ng/ml |
| Fentanyl | 5.076 | 5915 | 1302.70 | 74.3 | ∞ | 14837 | 22.3270 ng/ml |
| Fluoxetine | 5.713 | 50980 | 654.59 | 8.0 | 17763.61 | 9055 | 238.1052 ng/ml |
| Hydrocodone | 3.044 | 369834 | 2254.88 | 39.2 | ∞ | 95816 | 257.3741 ng/ml |
| Hydroromphone | 1.641 | 339632 | ∞ | 74.9 | 1738.88 | 52691 | 241.3798 ng/ml |
| Ketamine | 4.044 | 1146166 | 59501.48 | 37.2 | 5513.33 | 208272 | 256.2577 ng/ml |
| Lamotrigine | 4.293 | 108711 | 12929.15 | 85.8 | 864.04 | 208272 | 246.6483 ng/ml |
| Lorazepam | 5.745 | 20978 | 487.34 | 50.9 | 58.09 | 6982 | 236.9974 ng/ml |
| Meprobamate | 4.913 | 122782 | ∞ | 27.3 | 931.04 | 27036 | 248.3678 ng/ml |
| Methadone | 5.658 | 172682 | 2892.11 | 60.4 | 4713.25 | 36036 | 237.1656 ng/ml |
| Methamphetamine | 3.240 | 426110 | 6974.84 | 41.1 | 2120.81 | 87972 | 247.6472 ng/ml |
| Metoprolol | 4.331 | 237126 | 76799.37 | 94.7 | ∞ | 506685 | 258.0424 ng/ml |
| Mirtazapine | 4.606 | 518927 | 31624.76 | 52.0 | 7002.95 | 199009 | 249.9440 ng/ml |
| Mitragynine | 5.211 | 25395 | 541.28 | 35.9 | 34517.71 | 36036 | 208.5176 ng/ml |
| Morphine | 1.273 | 78383 | 1616.53 | 19.6 | 11469.78 | 4289 | 254.1851 ng/ml |
| Naltrexone | 5.001 | 142 | 447.93 | 86.0 | 308.04 | 325 | 22.7801 ng/ml |
| Nordiazepam | 5.898 | 108337 | 1744.13 | 56.9 | 1948.31 | 13982 | 255.6555 ng/ml |
| Norfentanyl | 4.093 | 173245 | 2235.10 | 35.4 | 1114.24 | 313055 | 24.9474 ng/ml |
| Norhydrocodone | 3.092 | 23266 | 767.60 | 26.8 | 310.95 | 28891 | 290.7843 ng/ml |
| Noroxycodone | 2.935 | 226278 | 489.39 | 49.3 | 215.15 | 28859 | 245.4374 ng/ml |
| O-desmethyl-tramadol | 3.388 | 3364383 | 1037995.13 | 6.7 | 8668.01 | 723974 | 256.9112 ng/ml |
| Oxazepam | 5.755 | 23369 | 209.89 | 74.2 | 85.62 | 6612 | 230.0026 ng/ml |
| Oxycodone | 2.860 | 702548 | 249.86 | 30.4 | 445.37 | 129993 | 267.2292 ng/ml |
| Oxymorphone | 1.430 | 192029 | 1316.76 | 46.5 | 294.15 | 29180 | 251.0595 ng/ml |
| Phentermine | 3.790 | 211457 | 3174.35 | 2.7 | ∞ | 107052 | 253.5767 ng/ml |
| Promethazine | 5.545 | 105717 | ∞ | 31.5 | 546.22 | 20391 | 242.5057 ng/ml |
| Quetiapine | 5.521 | 494198 | 36611.21 | 56.3 | 30729.93 | 24336 | 273.0998 ng/ml |
| Setraline | 5.781 | 18764 | 1810.03 | 91.3 | ∞ | 3981 | 222.4019 ng/ml |
| Temazepam | 5.815 | 320843 | 968.43 | 29.9 | 659.72 | 66736 | 266.8196 ng/ml |
| Tramadol | 4.251 | 2461840 | 1546.33 | 3.5 | 2542.67 | 506685 | 265.1612 ng/ml |
| Trazodone | 5.043 | 276499 | ∞ | 77.3 | 826661.62 | 49719 | 261.4689 ng/ml |
| Venlafaxine | 5.052 | 1357232 | 49965.46 | 34.6 | 9681.55 | 293616 | 250.9605 ng/ml |
| Zolpidem | 4.828 | 2710733 | 140334.72 | 31.8 | 69353.96 | 487186 | 253.9442 ng/ml |

Not evaluated. TS

Not evaluated. TS

Not evaluated. TS

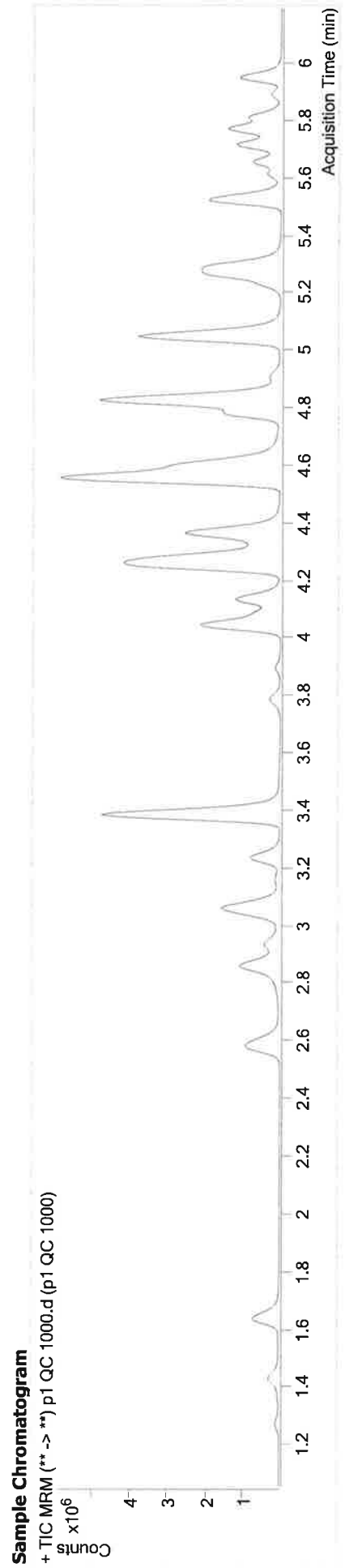
TS



AM #28 Multi-Drug Quant. Results

Batch results Calibration Last Update D:\MassHunter\Data\2019\AM 28\082219 MDQ TS MDS SP\QuantResults\MDQ wk1st 365 TS.batch.bin
8/26/2019 9:26:02 AM

Instrument Falco
Type QC
Acq. Method MDQ P1 Combined 082219.m
Sample Position P1-D2
Injection Volume 1
Acq. Date-Time 8/22/2019 4:42:48 PM
Sample Info. p1 QC 1000.d
p1 QC 1000



| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|----------------------|-------|---------|-----------|-------|-----------|------------|-----------------|
| 6-MAM | 3.156 | 97291 | 7582.99 | 70.6 | 2655.92 | 22345 | 103.3955 ng/ml |
| 7-aminoclonazepam | 4.262 | 593472 | 16035.75 | 79.1 | 12280.01 | 32727 | 727.4374 ng/ml |
| a-hydroxyvalprazolam | 5.697 | 84340 | 1192.28 | 77.8 | 1305.40 | 5932 | 999.6898 ng/ml |
| alpha-PVP | 4.375 | 4045115 | 428981.36 | 50.6 | 217538.93 | 183884 | 985.0014 ng/ml |
| Alprazolam | 5.774 | 1493502 | 3892.93 | 107.6 | 4858.51 | 45059 | 1080.6048 ng/ml |
| Amphetamine | 3.067 | 2151477 | 14022.48 | 52.3 | 56777.24 | 36195 | 846.9648 ng/ml |
| Benzoylcegonine | 3.892 | 173129 | 13799.18 | 7.3 | 4046.90 | 7772 | 1051.6843 ng/ml |
| Buprenorphine | 5.662 | 12679 | 54553.83 | 17.2 | 13792.96 | 4952 | 90.8221 ng/ml |
| Bupropion | 4.783 | 2344712 | 182084.59 | 60.4 | 111852.77 | 83837 | 982.3561 ng/ml |
| Carisoprodol | 5.723 | 1361235 | ∞ | 57.4 | 4953.81 | 64597 | 1010.9064 ng/ml |
| Citalopram | 5.240 | 995050 | 5766.64 | 41.4 | 16694.68 | 47061 | 1004.3179 ng/ml |
| Clonazepam | 5.611 | 348999 | 21816.92 | 31.6 | 1364.90 | 6556 | 992.8271 ng/ml |
| Cocaine | 4.275 | 3670080 | 607986.06 | 49.1 | 167703.18 | 304956 | 1008.6203 ng/ml |
| Codeine | 2.604 | 474925 | 260.21 | 102.4 | ∞ | 23442 | 980.9397 ng/ml |
| Cyclobenzaprine | 5.627 | 347394 | 1548.20 | 10.0 | 690.65 | 16764 | 1036.3559 ng/ml |
| Dextromethorphan | 5.276 | 401313 | 57096.48 | 81.7 | 53321.29 | 19531 | 984.2303 ng/ml |
| Dextroprhan | 4.138 | 892784 | 143035.82 | 209.4 | 475746.86 | 115717 | 1030.0882 ng/ml |
| Diazepam | 5.958 | 1354859 | 795.52 | 88.7 | 8025.75 | 69330 | 973.9096 ng/ml |

TS



AM #28 Multi-Drug Quant. Results

| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|----------------------|-------|----------|------------|-----------|-----------|------------|-----------------|
| Dihydrocodeine | 2.582 | 1411803 | 135087.10 | 68.9 | 65172.57 | 105566 | 835.9695 ng/ml |
| Diphenhydramine | 5.303 | 2245466 | 98352.24 | 32.2 | 15334.08 | 150319 | 1012.4199 ng/ml |
| Doxylamine | 4.558 | 9810380 | 305514.97 | 95.5 | 255004.65 | 413244 | 1018.1348 ng/ml |
| EDDP | 5.268 | 2683157 | 194865.13 | 42.5 | 21642.19 | 145996 | 998.0946 ng/ml |
| Fentanyl | 5.083 | 36357 | 3818.39 | 76.7 | 103828.52 | 19557 | 104.0635 ng/ml |
| Fluoxetine | 5.713 | 292811 | 3943.53 | 7.9 | 27436.11 | 12405 | 1009.5167 ng/ml |
| Hydrocodone | 3.044 | 1379311 | 474.56 | 39.6 | ∞ | 96510 | 954.8635 ng/ml |
| Hydromorphone | 1.641 | 1182562 | ∞ | 75.8 | ∞ | 45869 | 966.1586 ng/ml |
| Ketamine | 4.051 | 4008350 | 480878.80 | 37.3 | 3502.46 | 199326 | 937.9317 ng/ml |
| Lamotrigine | 4.299 | 281745 | 15601.19 | 86.9 | 16855.42 | 199326 | 669.1599 ng/ml |
| Lorazepam | 5.745 | 91632 | ∞ | 48.2 | 1503.30 | 6556 | 1103.0417 ng/ml |
| Meprobamate | 4.919 | 447104 | 39453.07 | 26.9 | 1560.22 | 26901 | 910.2199 ng/ml |
| Methadone | 5.658 | 953219 | 22279.21 | 57.7 | 15069.77 | 47710 | 991.6887 ng/ml |
| Methamphetamine | 3.240 | 1538817 | 10616.17 | 41.2 | 8105.80 | 84218 | 997.0992 ng/ml |
| Metoprolol | 4.338 | 711992 | 5954653.81 | 97.4 | ∞ | 469028 | 838.5735 ng/ml |
| Mirtazapine | 4.606 | 2732445 | 38865.18 | 52.1 | 190331.44 | 183884 | 1426.5874 ng/ml |
| Mitragynine | 5.211 | 140789 | 1450.30 | 35.7 | 56034.61 | 47710 | 871.7499 ng/ml |
| Morphine | 1.273 | 241305 | 1681.52 | 20.0 | 376.71 | 3594 | 935.6531 ng/ml |
| Norbuprenorphine | 5.008 | 659 | 1161.52 | 84.0 | 1468.79 | 413 | 79.6521 ng/ml |
| Nordiazepam | 5.898 | 344565 | 12224.37 | 57.8 | 1925.81 | 11345 | 1002.6655 ng/ml |
| Norfentanyl | 4.100 | 764672 | 451254.49 | 35.6 | 614.08 | 324380 | 106.2779 ng/ml |
| Norhydrocodone | 3.092 | 93575 | 676.30 | 29.4 High | 1103.31 | 26019 | 1296.8090 ng/ml |
| Noroxycodone | 2.935 | 793117 | ∞ | 48.4 | ∞ | 26236 | 947.8971 ng/ml |
| O-desmethyl-tramadol | 3.388 | 11429626 | 513016.41 | 6.7 | 46078.16 | 615258 | 1027.8978 ng/ml |
| Oxazepam | 5.748 | 98580 | 1154.27 | 74.8 | 488.35 | 6946 | 926.7134 ng/ml |
| Oxycodone | 2.860 | 2721959 | 296.42 | 30.7 | 206.94 | 130438 | 1034.4574 ng/ml |
| Oxymorphone | 1.430 | 659640 | ∞ | 46.8 | 887.48 | 26425 | 953.8474 ng/ml |
| Phentermine | 3.790 | 731233 | ∞ | 2.6 | 1244.04 | 106336 | 885.2079 ng/ml |
| Promethazine | 5.545 | 711854 | 8514.20 | 31.8 | 3922.48 | 32378 | 1030.7552 ng/ml |
| Quetiapine | 5.521 | 2608052 | 563616.09 | 58.7 | 219239.43 | 34893 | 1006.5004 ng/ml |
| Setraline | 5.788 | 94363 | 414.12 | 93.7 | 2171.78 | 4449 | 1018.9119 ng/ml |
| Temazepam | 5.815 | 1149053 | 17003.37 | 30.0 | 3099.83 | 60594 | 1054.2773 ng/ml |
| Tramadol | 4.251 | 8017473 | 152444.45 | 3.6 | 13487.29 | 469028 | 935.1591 ng/ml |
| Trazodone | 5.043 | 1556052 | 522664.46 | 77.6 | 83093.71 | 85512 | 858.8032 ng/ml |
| Venlafaxine | 5.052 | 5330544 | 149428.90 | 34.0 | 38478.35 | 288755 | 1003.0457 ng/ml |
| Zolpidem | 4.828 | 9627002 | 685422.76 | 30.7 | 275177.73 | 464373 | 947.4689 ng/ml |

outside Curve range. TS

Not evaluated. TS

Not evaluated. TS

outside Curve Range. TS

Not evaluated. TS

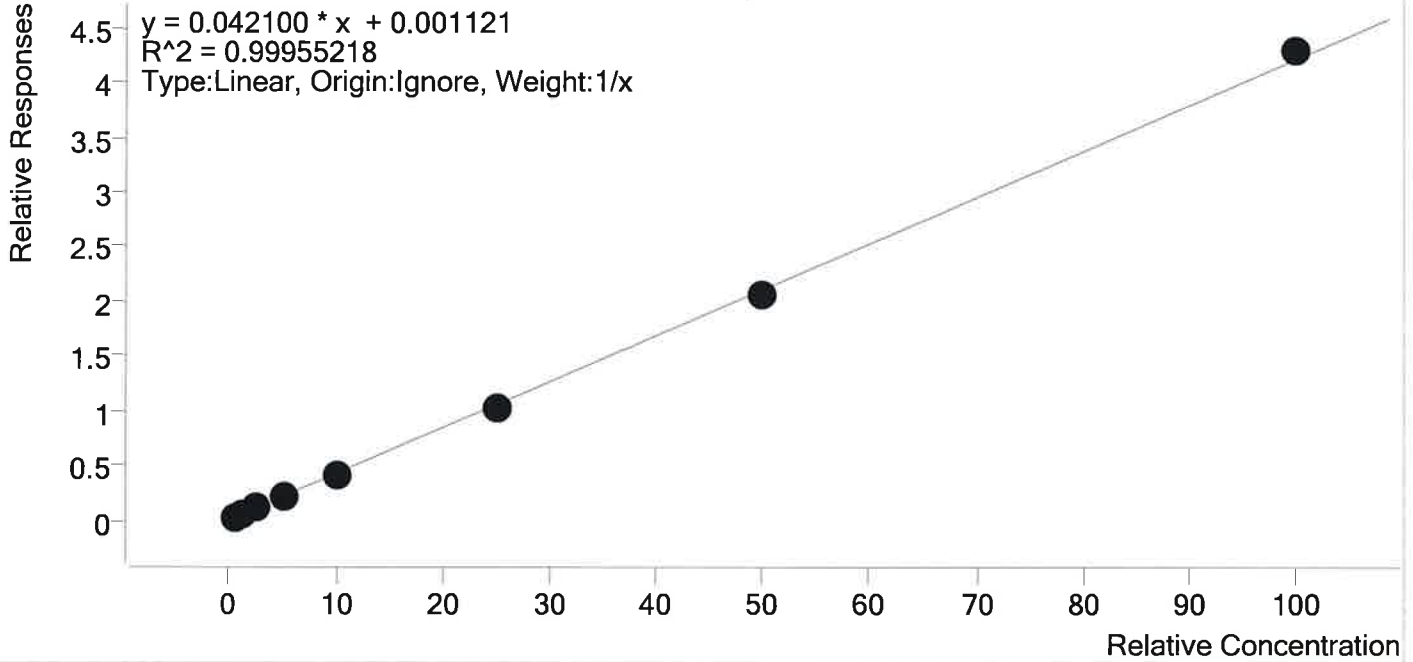
TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\082219 MDQ TS MDS SP\QuantResults\MDQ wk1st 365
 TS.batch.bin
Last Cal. Update 8/26/2019 9:26 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, 4 QCs

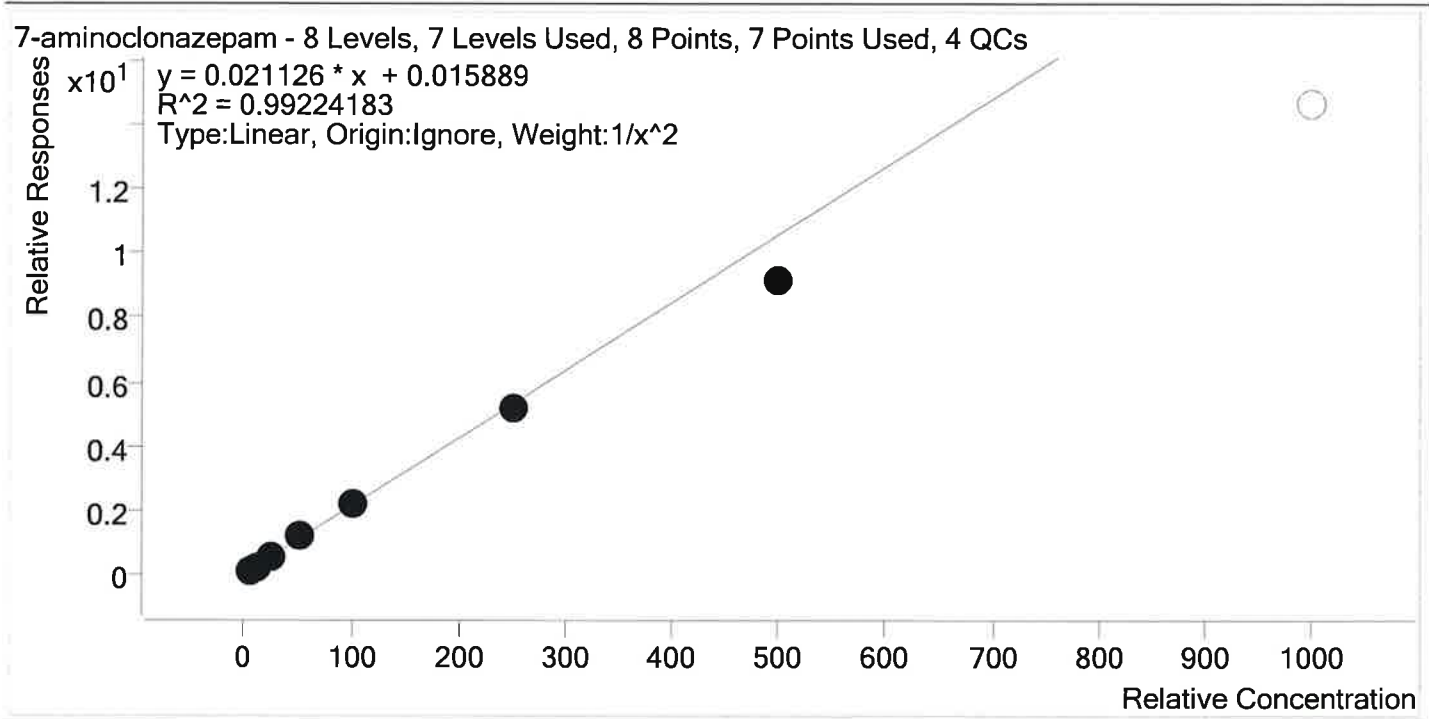


| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 0.5 | 0.5 | 104.1 |
| p1 Cal 2- 10ng | 2 | ✓ | 1.0 | 1.0 | 102.7 |
| p1 Cal 3 -25ng | 3 | ✓ | 2.5 | 2.5 | 99.7 |
| p1 Cal 4-50ng | 4 | ✓ | 5.0 | 4.9 | 98.3 |
| p1 Cal 5-100ng | 5 | ✓ | 10.0 | 9.7 | 97.3 |
| p1 Cal 6-250ng | 6 | ✓ | 25.0 | 24.6 | 98.4 |
| p1 Cal 7-500ng | 7 | ✓ | 50.0 | 48.8 | 97.7 |
| p1 Cal 8-1000ng | 8 | ✓ | 100.0 | 101.9 | 101.9 |



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\082219 MDQ TS MDS SP\QuantResults\MDQ wk1st 365
 TS.batch.bin
Last Cal. Update 8/26/2019 9:26 AM
Analyst Name ISP\datastor
Analyte 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4



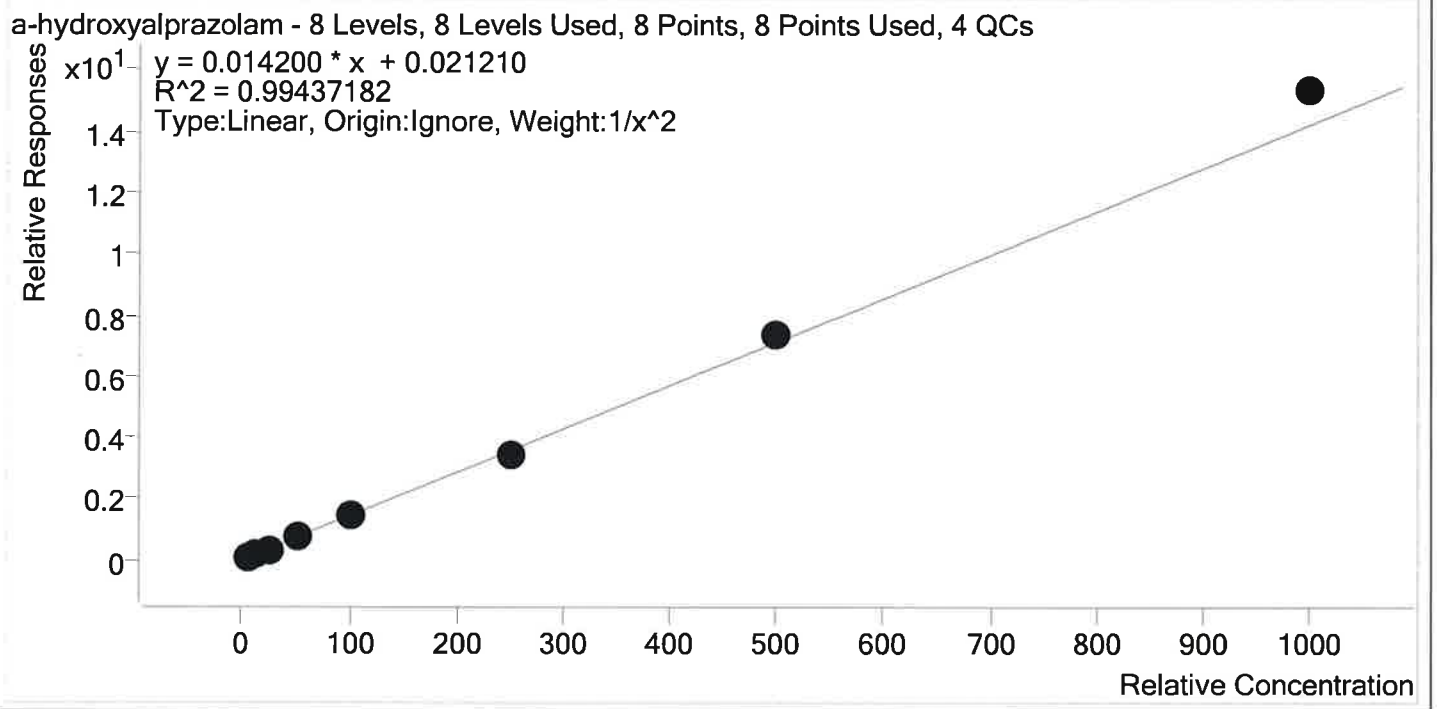
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 4.8 | 95.3 |
| p1 Cal 2- 10ng | 2 | ✓ | 10.0 | 10.6 | 105.6 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 26.6 | 106.2 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 53.8 | 107.6 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 101.4 | 101.4 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 242.4 | 97.0 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 434.2 | 86.8 |
| p1 Cal 8-1000ng | 8 | × | 1000.0 | 692.6 | 69.3 |

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\082219 MDQ TS MDS SP\QuantResults\MDQ wk1st 365
 TS.batch.bin
Last Cal. Update 8/26/2019 9:26 AM
Analyst Name ISP\datastor
Analyte a-hydroxyalprazolam **Internal Standard** a-hydroxyalprazolam-D5



| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 5.3 | 106.9 |
| p1 Cal 2- 10ng | 2 | ✓ | 10.0 | 8.8 | 88.1 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 23.7 | 94.8 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 49.5 | 99.1 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 102.3 | 102.3 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 244.3 | 97.7 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 515.7 | 103.1 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 1079.0 | 107.9 |

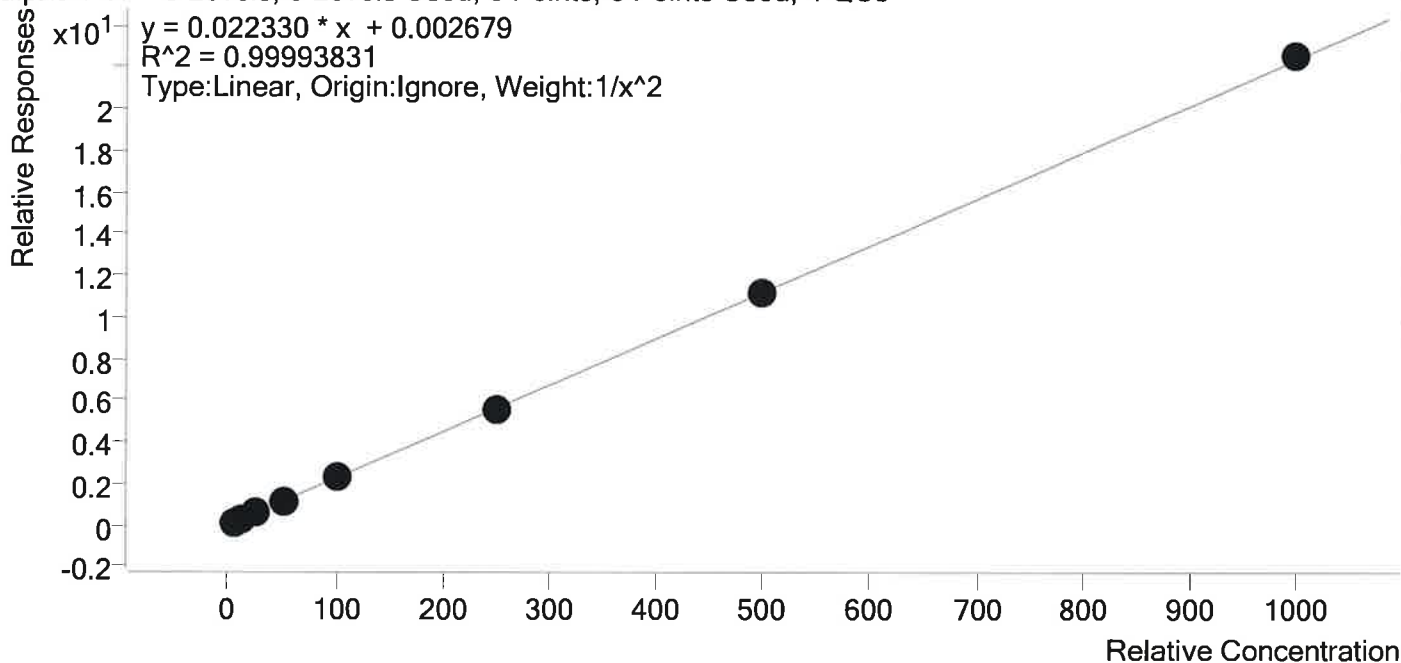
TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\082219 MDQ TS MDS SP\QuantResults\MDQ wk1st 365
 TS.batch.bin
Last Cal. Update 8/26/2019 9:26 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, 4 QCs



| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 5.0 | 100.6 |
| p1 Cal 2- 10ng | 2 | ✓ | 10.0 | 9.9 | 99.1 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 24.8 | 99.2 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 50.2 | 100.3 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 99.5 | 99.5 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 251.4 | 100.5 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 499.5 | 99.9 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 1008.6 | 100.9 |

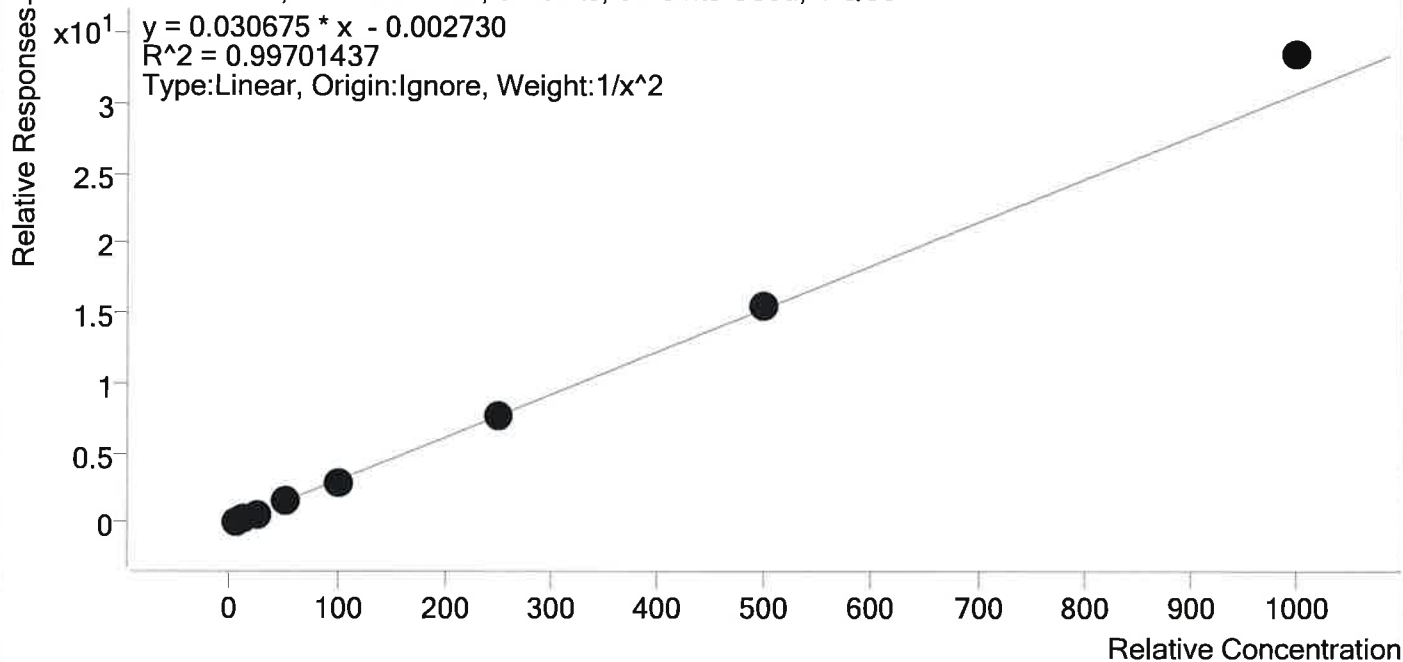
TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\082219 MDQ TS MDS SP\QuantResults\MDQ wklst 365
 TS.batch.bin
Last Cal. Update 8/26/2019 9:26 AM
Analyst Name ISP\datastor
Analyte Alprazolam **Internal Standard** Alprazolam-D5

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



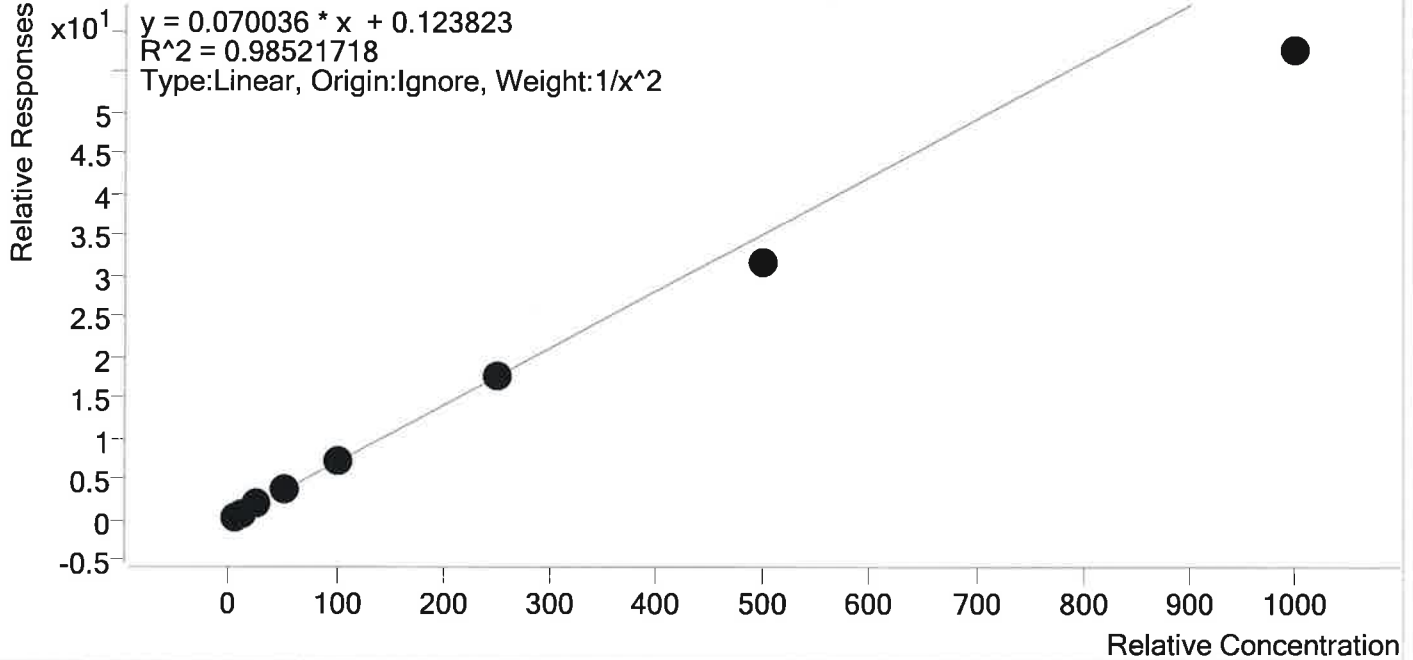
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 5.2 | 103.0 |
| p1 Cal 2- 10ng | 2 | ✓ | 10.0 | 9.6 | 96.1 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 24.1 | 96.5 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 49.1 | 98.2 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 94.4 | 94.4 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 251.6 | 100.6 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 510.3 | 102.1 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 1090.5 | 109.1 |



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\082219 MDQ TS MDS SP\QuantResults\MDQ wk1st 365
 TS.batch.bin
Last Cal. Update 8/26/2019 9:26 AM
Analyst Name ISP\datastor
Analyte Amphetamine **Internal Standard** Amphetamine-D11

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



| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 4.7 | 93.6 |
| p1 Cal 2- 10ng | 2 | ✓ | 10.0 | 10.6 | 106.0 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 27.7 | 110.7 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 55.9 | 111.9 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 105.6 | 105.6 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 250.7 | 100.3 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 449.1 | 89.8 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 820.7 | 82.1 |

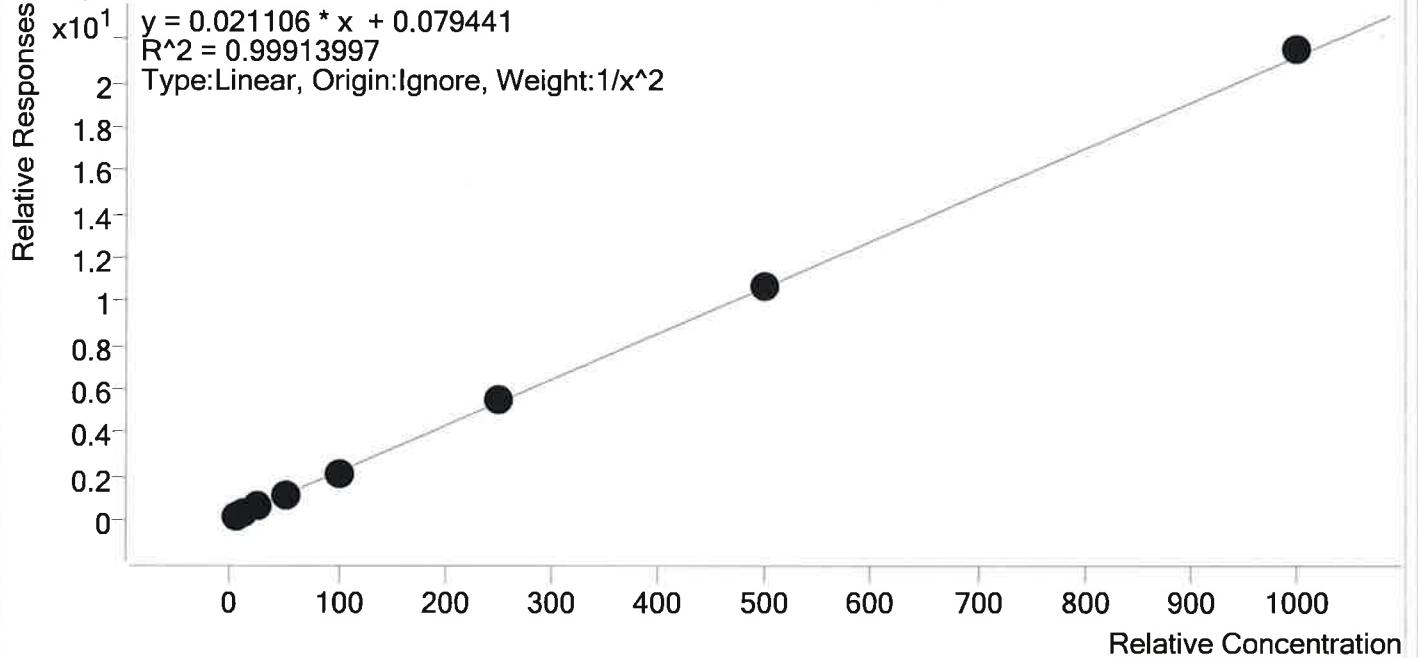
TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\082219 MDQ TS MDS SP\QuantResults\MDQ wk1st 365
 TS.batch.bin
Last Cal. Update 8/26/2019 9:26 AM
Analyst Name ISP\datastor
Analyte Benzoyllecgonine **Internal Standard** Benzoyllecgonine-d8

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



| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 5.0 | 99.2 |
| p1 Cal 2- 10ng | 2 | ✓ | 10.0 | 10.1 | 101.5 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 25.5 | 101.8 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 50.0 | 100.1 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 94.2 | 94.2 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 254.0 | 101.6 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 500.8 | 100.2 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 1015.8 | 101.6 |

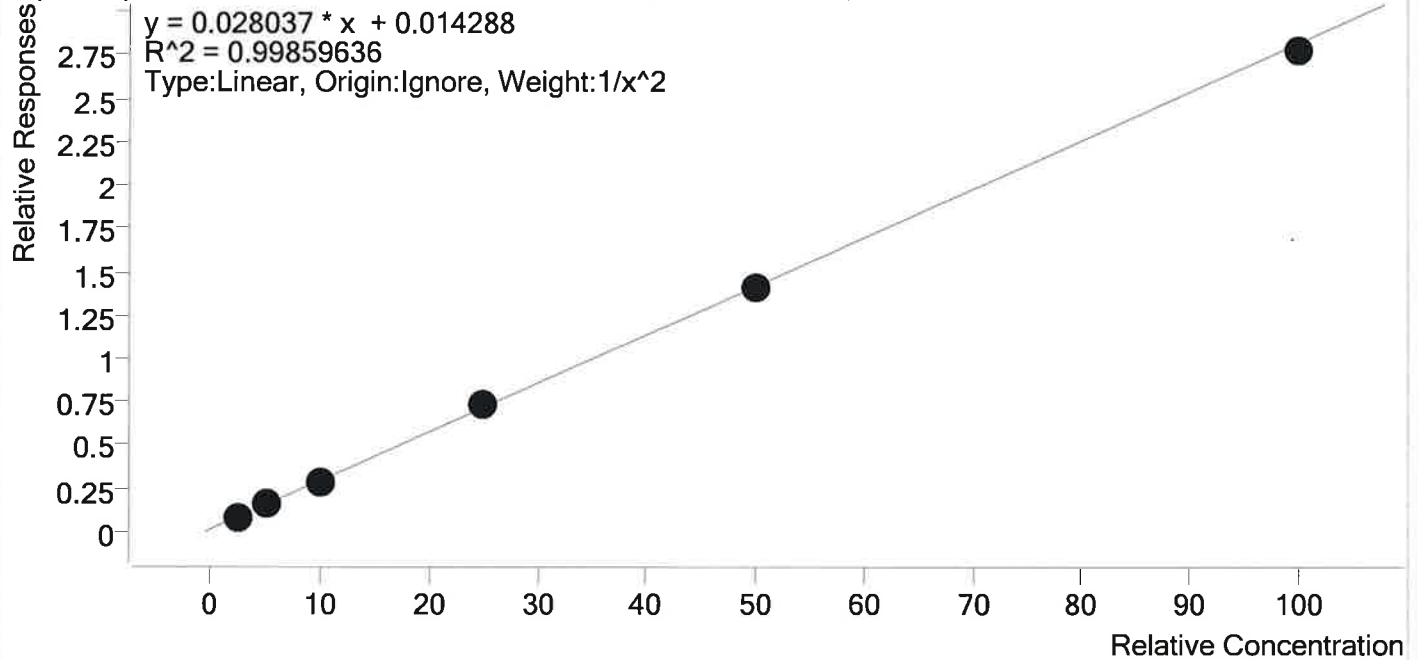
TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\082219 MDQ TS MDS SP\QuantResults\MDQ wk1st 365
 TS.batch.bin
Last Cal. Update 8/26/2019 9:26 AM
Analyst Name ISP\datastor
Analyte Buprenorphine **Internal Standard** Buprenorphine-D4

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



| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 3 -25ng | 3 | ✓ | 2.5 | 2.5 | 98.5 |
| p1 Cal 4-50ng | 4 | ✓ | 5.0 | 5.2 | 104.2 |
| p1 Cal 5-100ng | 5 | ✓ | 10.0 | 9.7 | 96.8 |
| p1 Cal 6-250ng | 6 | ✓ | 25.0 | 25.8 | 103.3 |
| p1 Cal 7-500ng | 7 | ✓ | 50.0 | 49.4 | 98.7 |
| p1 Cal 8-1000ng | 8 | ✓ | 100.0 | 98.4 | 98.4 |

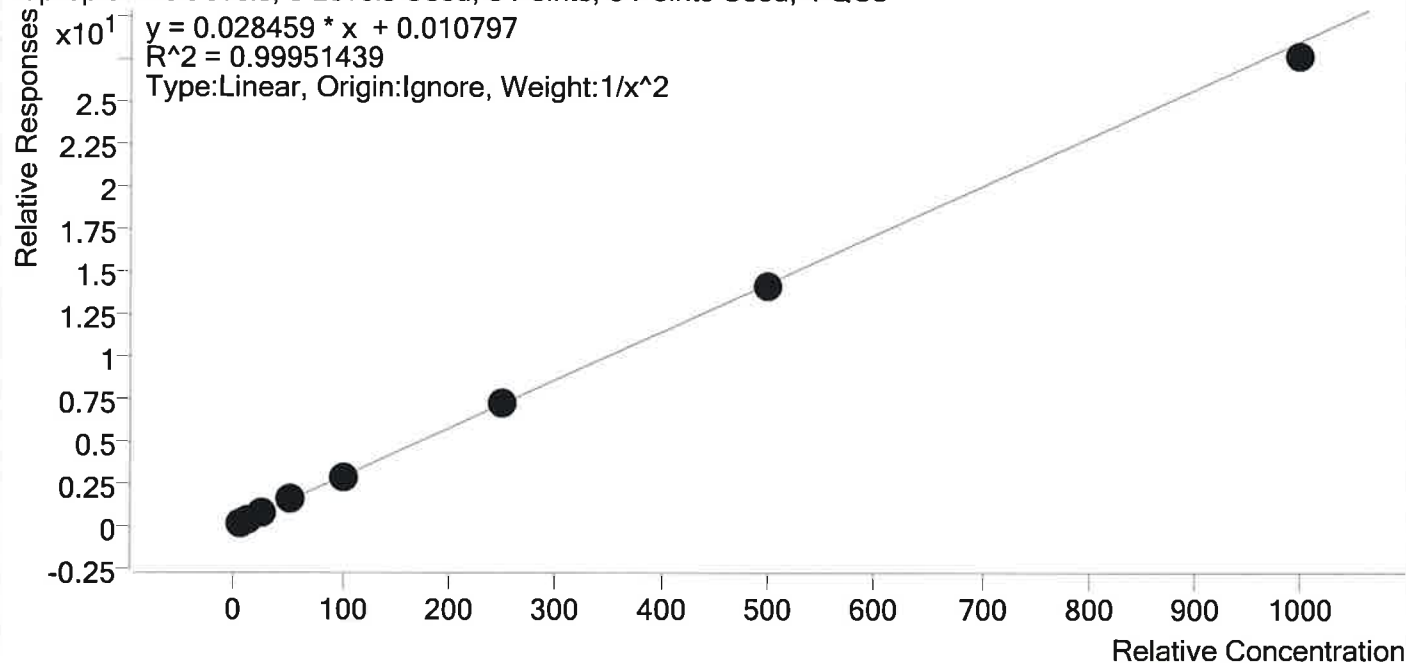
TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\082219 MDQ TS MDS SP\QuantResults\MDQ wk1st 365
 TS.batch.bin
Last Cal. Update 8/26/2019 9:26 AM
Analyst Name ISP\datastor
Analyte Bupropion **Internal Standard** Bupropion-D9

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



| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 5.0 | 99.7 |
| p1 Cal 2- 10ng | 2 | ✓ | 10.0 | 10.0 | 100.2 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 24.9 | 99.4 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 51.7 | 103.3 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 99.6 | 99.6 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 254.6 | 101.9 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 494.8 | 99.0 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 969.2 | 96.9 |

TS



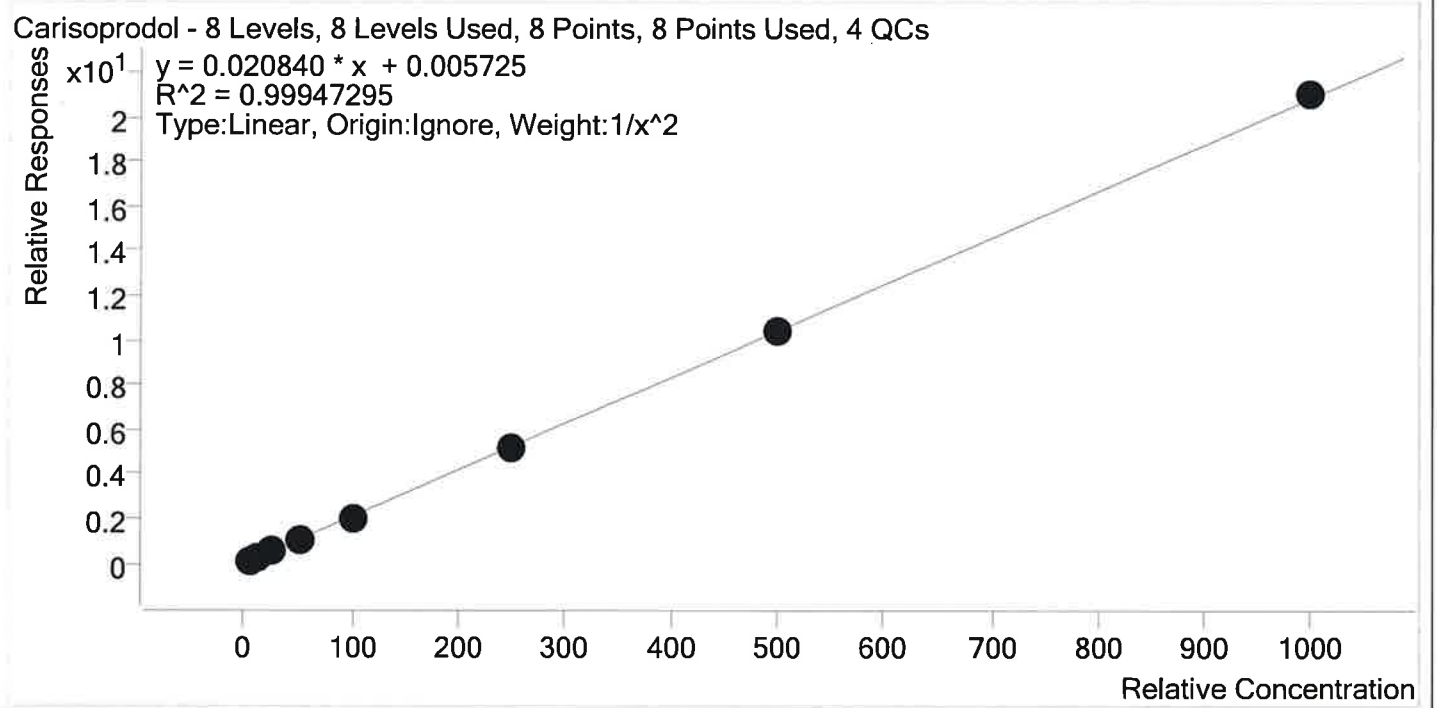
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\082219 MDQ TS MDS SP\QuantResults\MDQ wk1st 365
 TS.batch.bin

Last Cal. Update 8/26/2019 9:26 AM

Analyst Name ISP\datastor

Analyte Carisoprodol **Internal Standard** Carisoprodol-D7



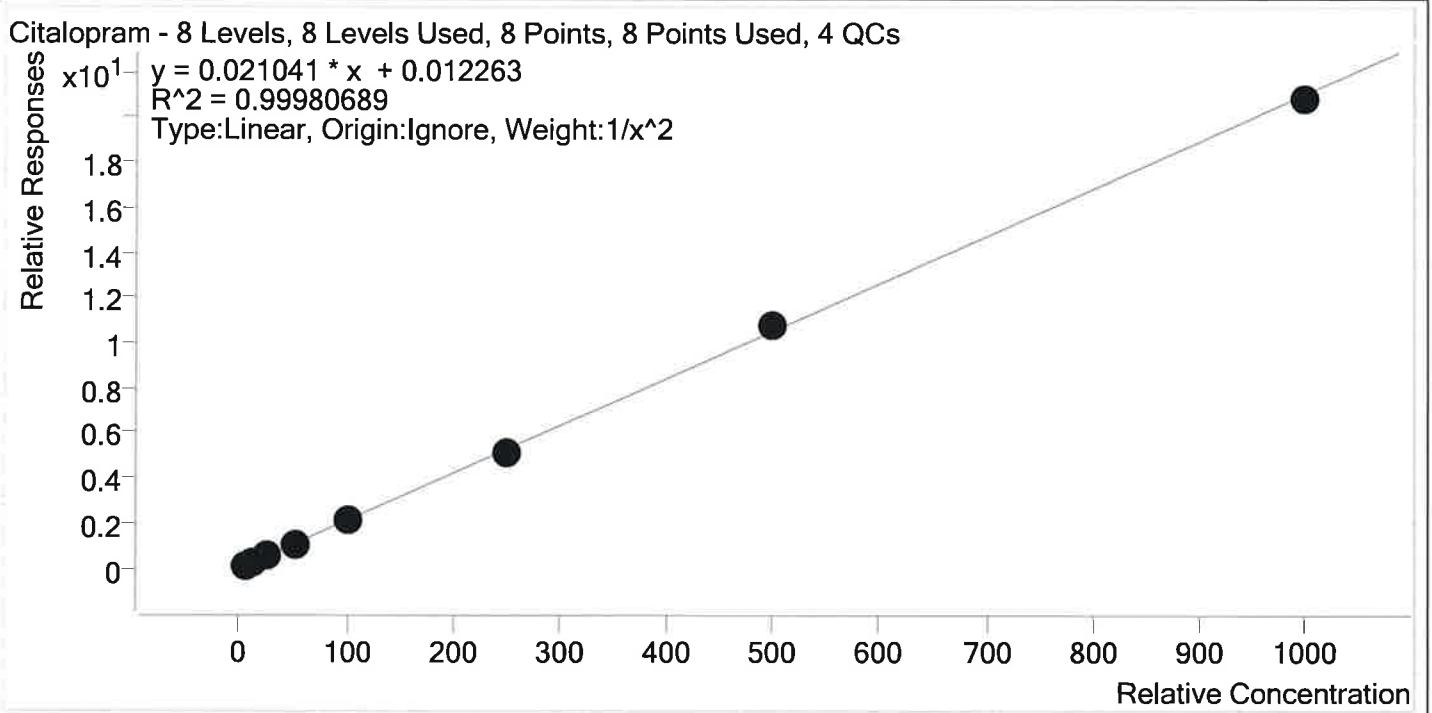
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 5.0 | 99.7 |
| p1 Cal 2- 10ng | 2 | ✓ | 10.0 | 10.1 | 101.5 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 24.1 | 96.5 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 51.7 | 103.3 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 98.8 | 98.8 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 249.6 | 99.8 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 497.0 | 99.4 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 1009.4 | 100.9 |

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\082219 MDQ TS MDS SP\QuantResults\MDQ wk1st 365
 TS.batch.bin
Last Cal. Update 8/26/2019 9:26 AM
Analyst Name ISP\datastor
Analyte Citalopram **Internal Standard** Citalopram-D6



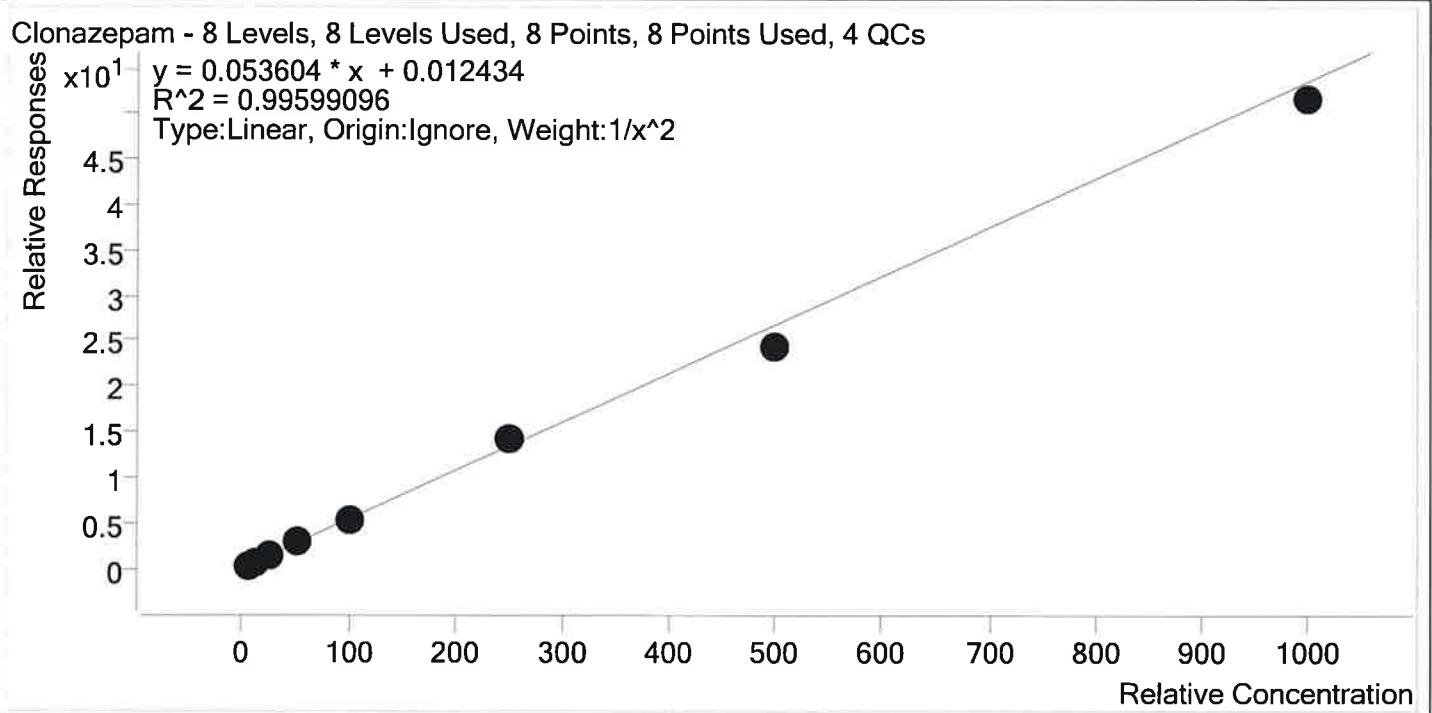
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 5.0 | 100.5 |
| p1 Cal 2- 10ng | 2 | ✓ | 10.0 | 9.9 | 98.9 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 24.9 | 99.7 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 50.5 | 101.0 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 100.1 | 100.1 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 246.7 | 98.7 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 510.9 | 102.2 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 989.6 | 99.0 |

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\082219 MDQ TS MDS SP\QuantResults\MDQ wk1st 365
 TS.batch.bin
Last Cal. Update 8/26/2019 9:26 AM
Analyst Name ISP\datastor
Analyte Clonazepam **Internal Standard** Clonazepam-D4



| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 4.9 | 98.0 |
| p1 Cal 2- 10ng | 2 | ✓ | 10.0 | 10.3 | 102.8 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 24.8 | 99.0 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 54.3 | 108.5 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 97.8 | 97.8 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 265.0 | 106.0 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 457.2 | 91.4 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 963.7 | 96.4 |

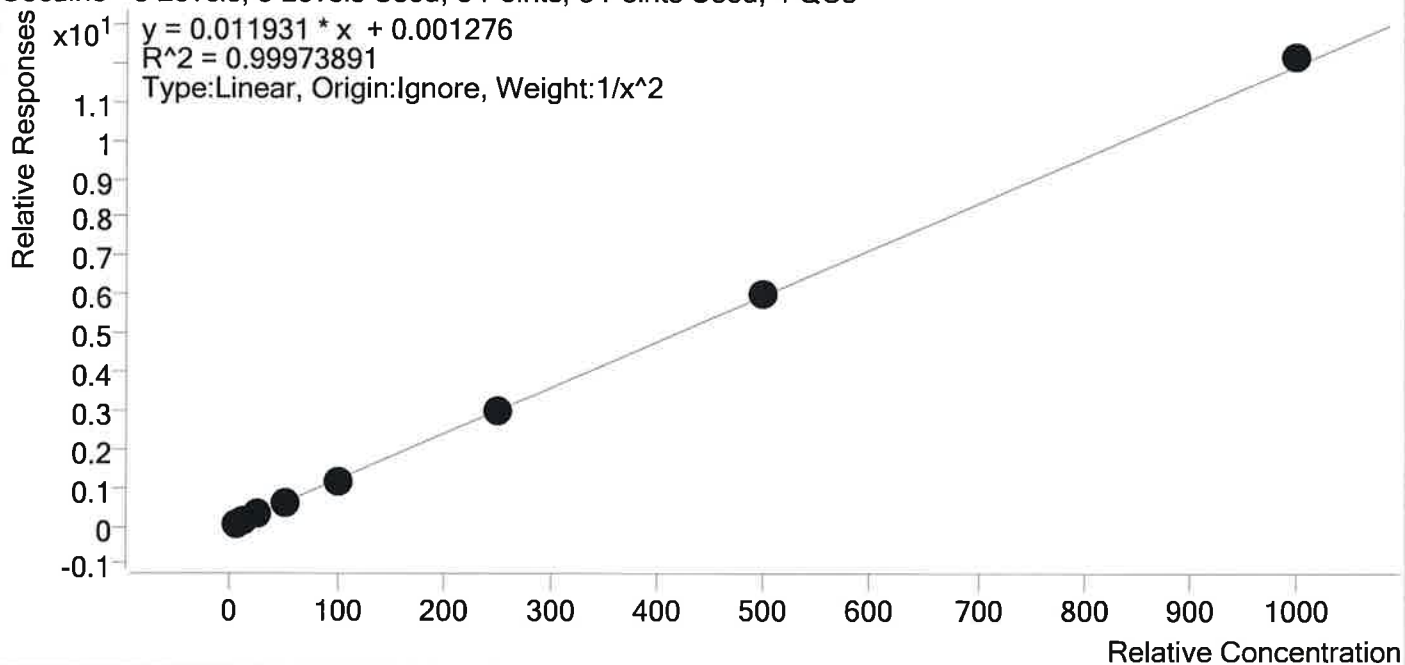
TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\082219 MDQ TS MDS SP\QuantResults\MDQ wk1st 365
 TS.batch.bin
Last Cal. Update 8/26/2019 9:26 AM
Analyst Name ISP\datastor
Analyte Cocaine **Internal Standard** Cocaine-d3

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



| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 5.0 | 100.6 |
| p1 Cal 2- 10ng | 2 | ✓ | 10.0 | 10.0 | 99.8 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 24.5 | 98.0 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 49.5 | 99.0 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 98.5 | 98.5 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 252.5 | 101.0 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 506.0 | 101.2 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 1019.0 | 101.9 |

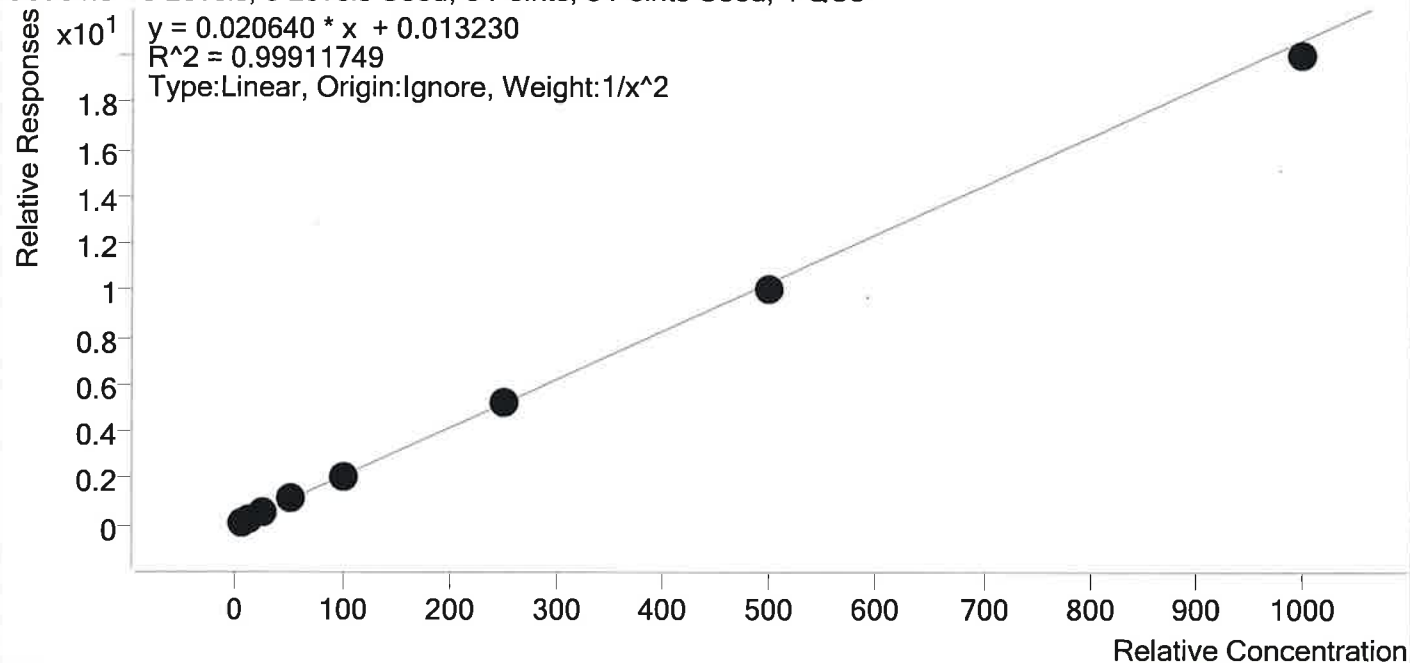
TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\082219 MDQ TS MDS SP\QuantResults\MDQ wk1st 365
 TS.batch.bin
Last Cal. Update 8/26/2019 9:26 AM
Analyst Name ISP\datastor
Analyte Codeine **Internal Standard** Codeine-D6

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



| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 5.0 | 99.8 |
| p1 Cal 2- 10ng | 2 | ✓ | 10.0 | 9.9 | 99.0 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 25.3 | 101.1 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 52.4 | 104.8 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 100.9 | 100.9 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 251.8 | 100.7 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 484.1 | 96.8 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 968.7 | 96.9 |

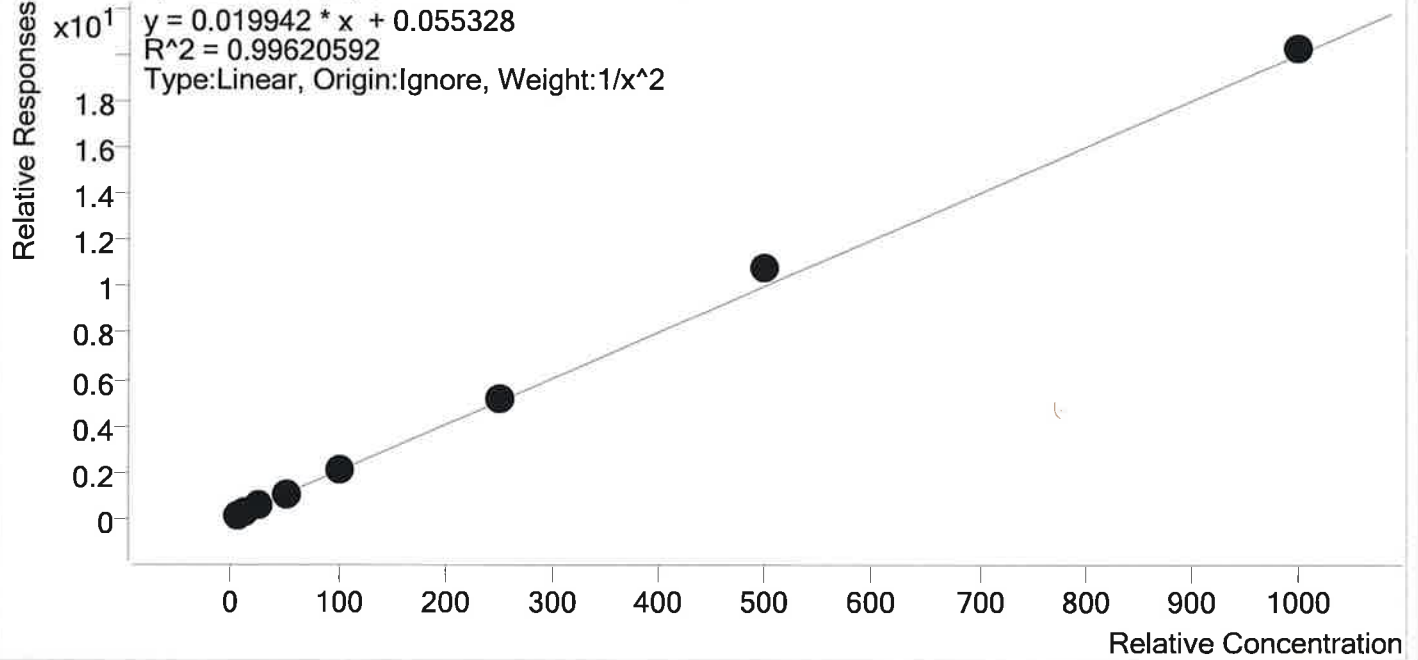
TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\082219 MDQ TS MDS SP\QuantResults\MDQ wk1st 365
 TS.batch.bin
Last Cal. Update 8/26/2019 9:26 AM
Analyst Name ISP\datastor
Analyte Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3

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



| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 5.2 | 104.9 |
| p1 Cal 2- 10ng | 2 | ✓ | 10.0 | 9.2 | 92.1 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 24.3 | 97.3 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 47.2 | 94.5 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 100.3 | 100.3 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 253.0 | 101.2 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 542.5 | 108.5 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 1013.0 | 101.3 |

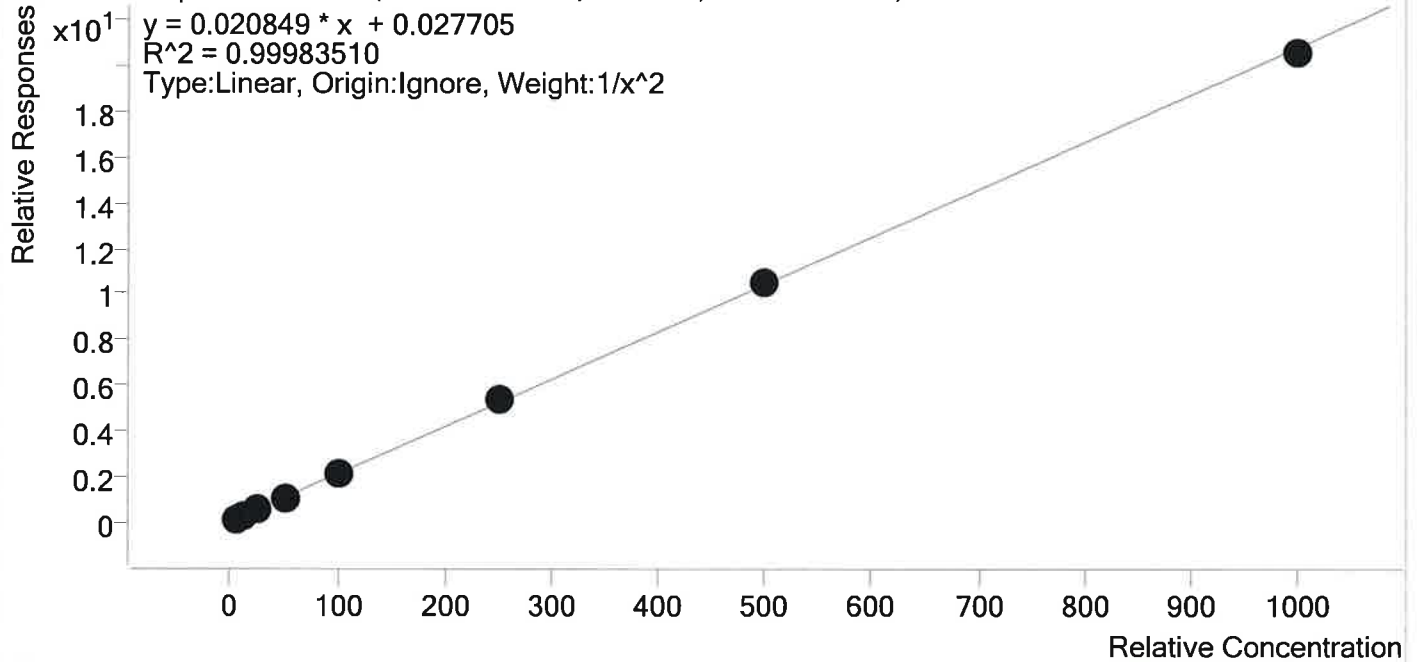
TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\082219 MDQ TS MDS SP\QuantResults\MDQ wklist 365
 TS.batch.bin
Last Cal. Update 8/26/2019 9:26 AM
Analyst Name ISP\datastor
Analyte Dextromethorphan **Internal Standard** Dextromethorphan-D3

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



| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 5.0 | 100.2 |
| p1 Cal 2- 10ng | 2 | ✓ | 10.0 | 10.0 | 100.3 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 24.5 | 98.2 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 50.3 | 100.6 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 99.7 | 99.7 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 254.5 | 101.8 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 502.3 | 100.5 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 988.6 | 98.9 |

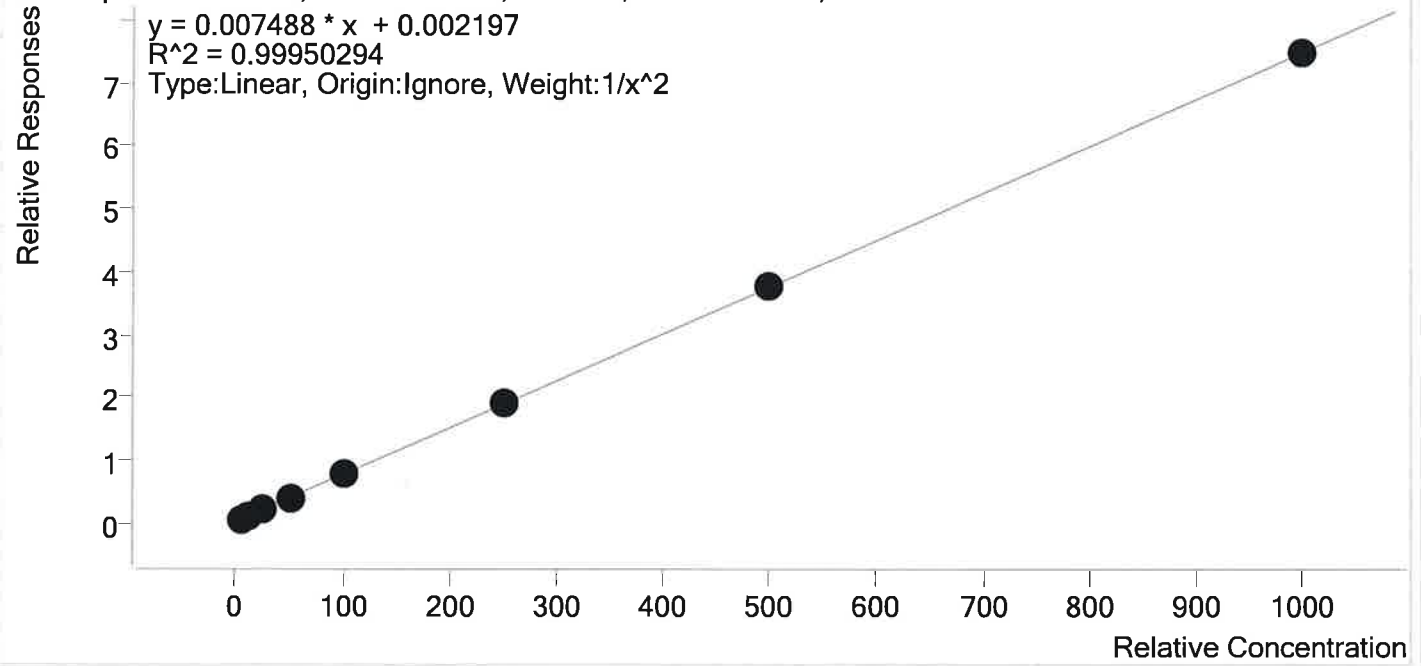
TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\082219 MDQ TS MDS SP\QuantResults\MDQ wk1st 365
 TS.batch.bin
Last Cal. Update 8/26/2019 9:26 AM
Analyst Name ISP\datastor
Analyte Dextrophan **Internal Standard** Dextrophan-D3

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



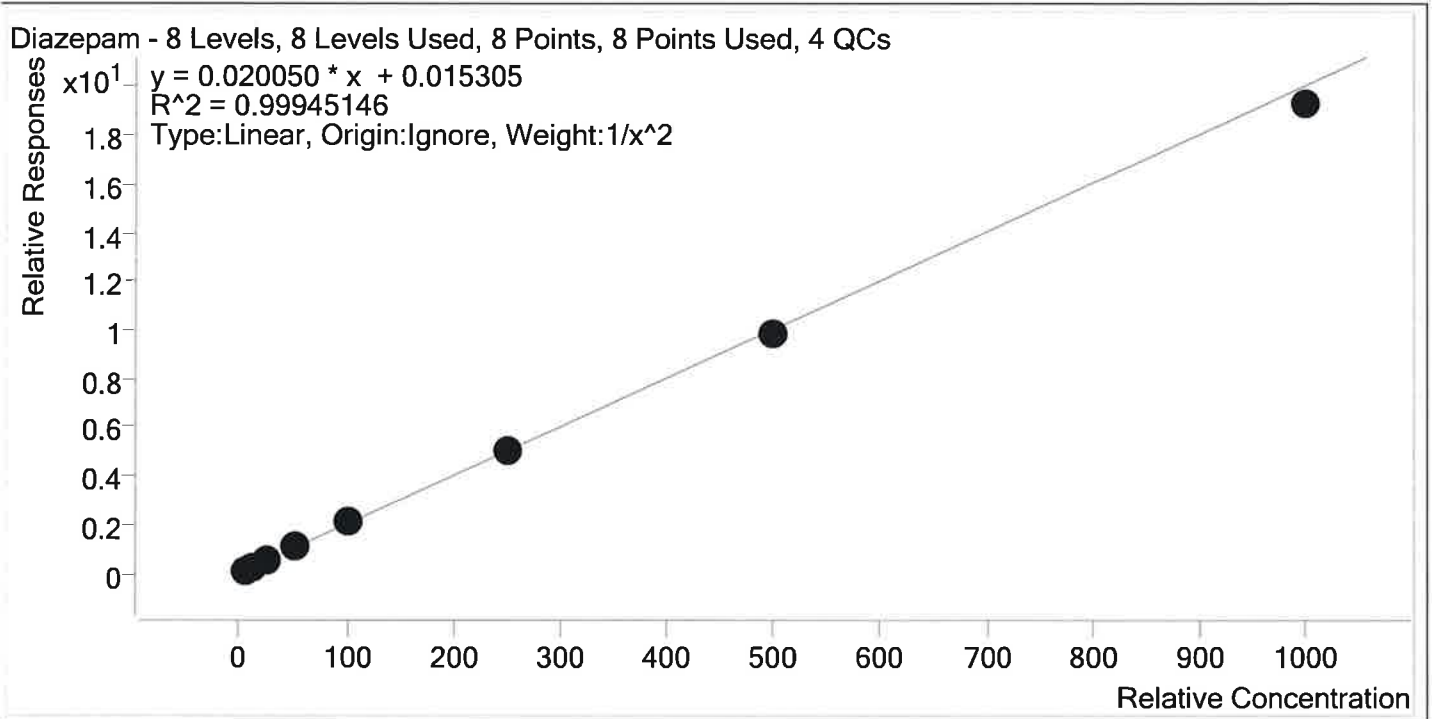
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 5.1 | 101.8 |
| p1 Cal 2- 10ng | 2 | ✓ | 10.0 | 9.6 | 96.3 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 24.8 | 99.1 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 51.1 | 102.2 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 98.8 | 98.8 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 253.4 | 101.4 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 502.0 | 100.4 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 999.7 | 100.0 |

15



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\082219 MDQ TS MDS SP\QuantResults\MDQ wk1st 365
 TS.batch.bin
Last Cal. Update 8/26/2019 9:26 AM
Analyst Name ISP\datastor
Analyte Diazepam **Internal Standard** Diazepam-D5



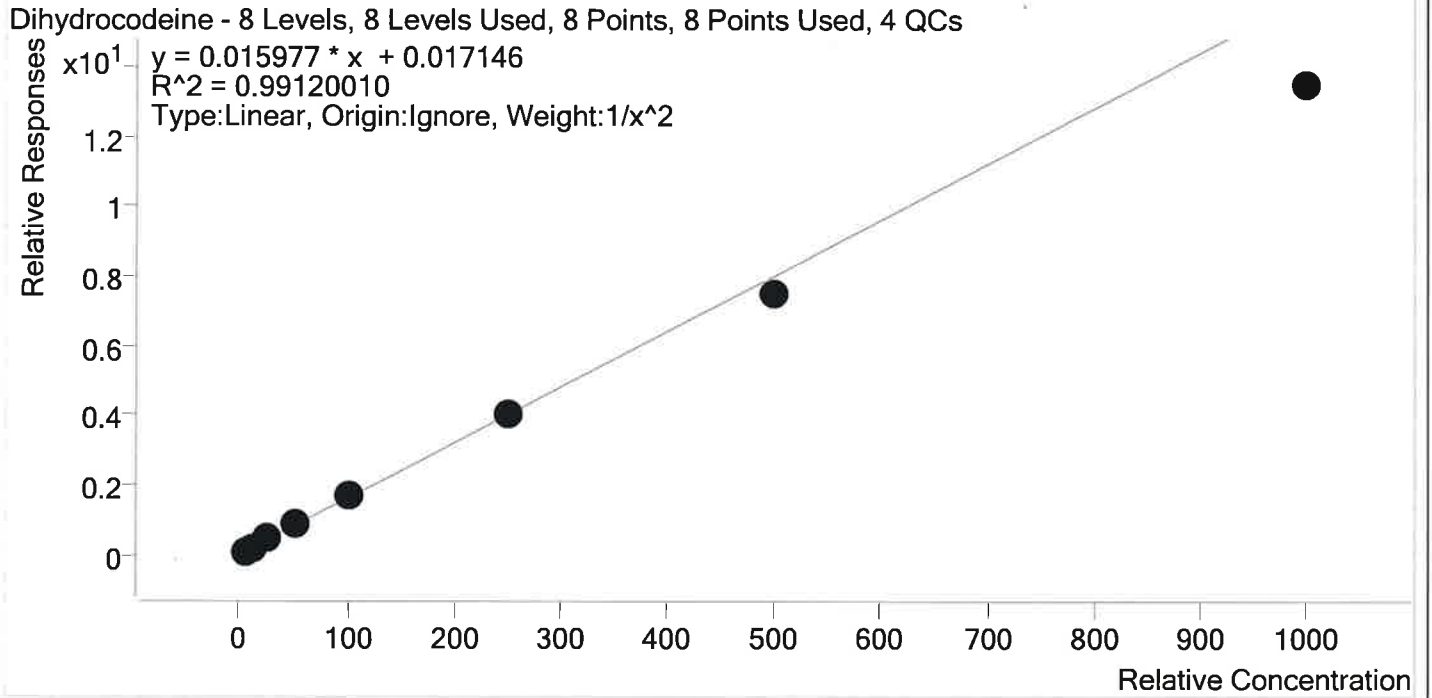
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 5.0 | 99.4 |
| p1 Cal 2- 10ng | 2 | ✓ | 10.0 | 10.1 | 100.7 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 24.9 | 99.7 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 51.1 | 102.3 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 102.6 | 102.6 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 251.5 | 100.6 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 493.2 | 98.6 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 962.4 | 96.2 |

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\082219 MDQ TS MDS SP\QuantResults\MDQ wk1st 365
 TS.batch.bin
Last Cal. Update 8/26/2019 9:26 AM
Analyst Name ISP\datastor
Analyte Dihydrocodeine **Internal Standard** Dihydrocodeine-D6



| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 4.8 | 96.0 |
| p1 Cal 2- 10ng | 2 | ✓ | 10.0 | 10.3 | 102.7 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 27.3 | 109.0 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 53.7 | 107.4 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 104.7 | 104.7 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 254.7 | 101.9 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 470.4 | 94.1 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 842.5 | 84.2 |

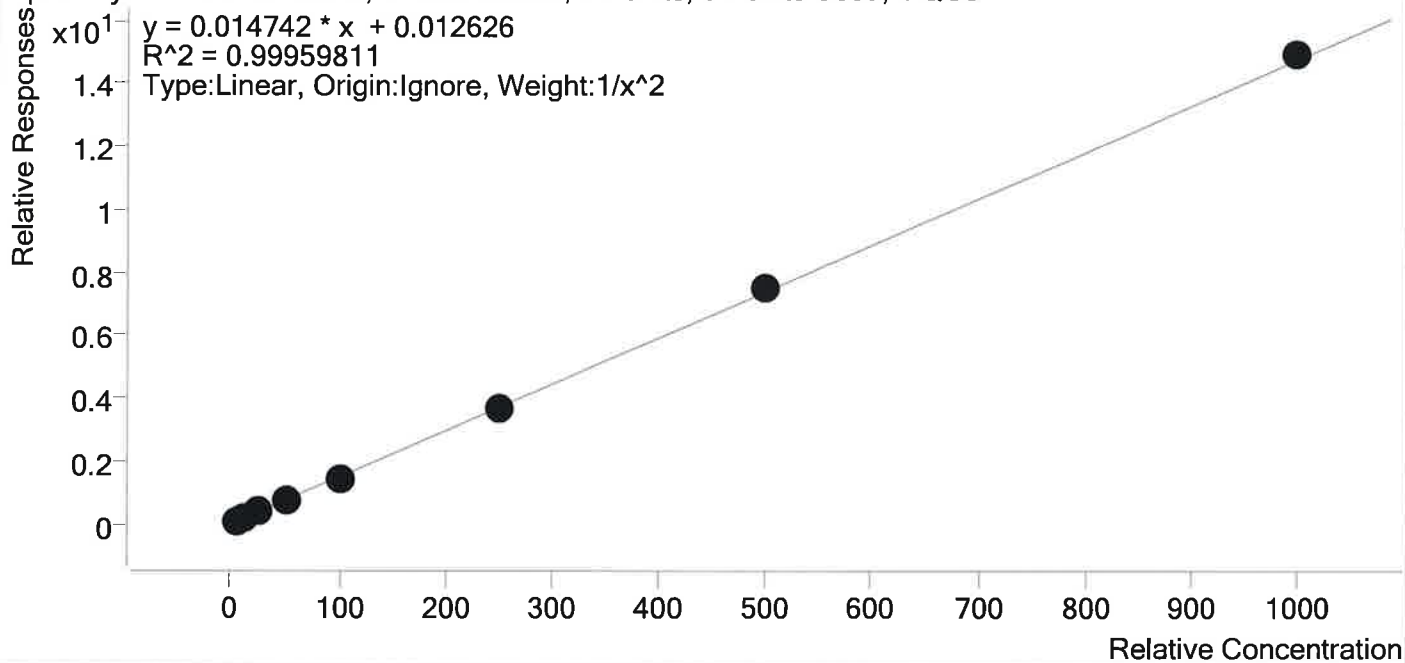
TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\082219 MDQ TS MDS SP\QuantResults\MDQ wk1st 365
 TS.batch.bin
Last Cal. Update 8/26/2019 9:26 AM
Analyst Name ISP\datastor
Analyte Diphenhydramine **Internal Standard** Diphenhydramine-D3

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



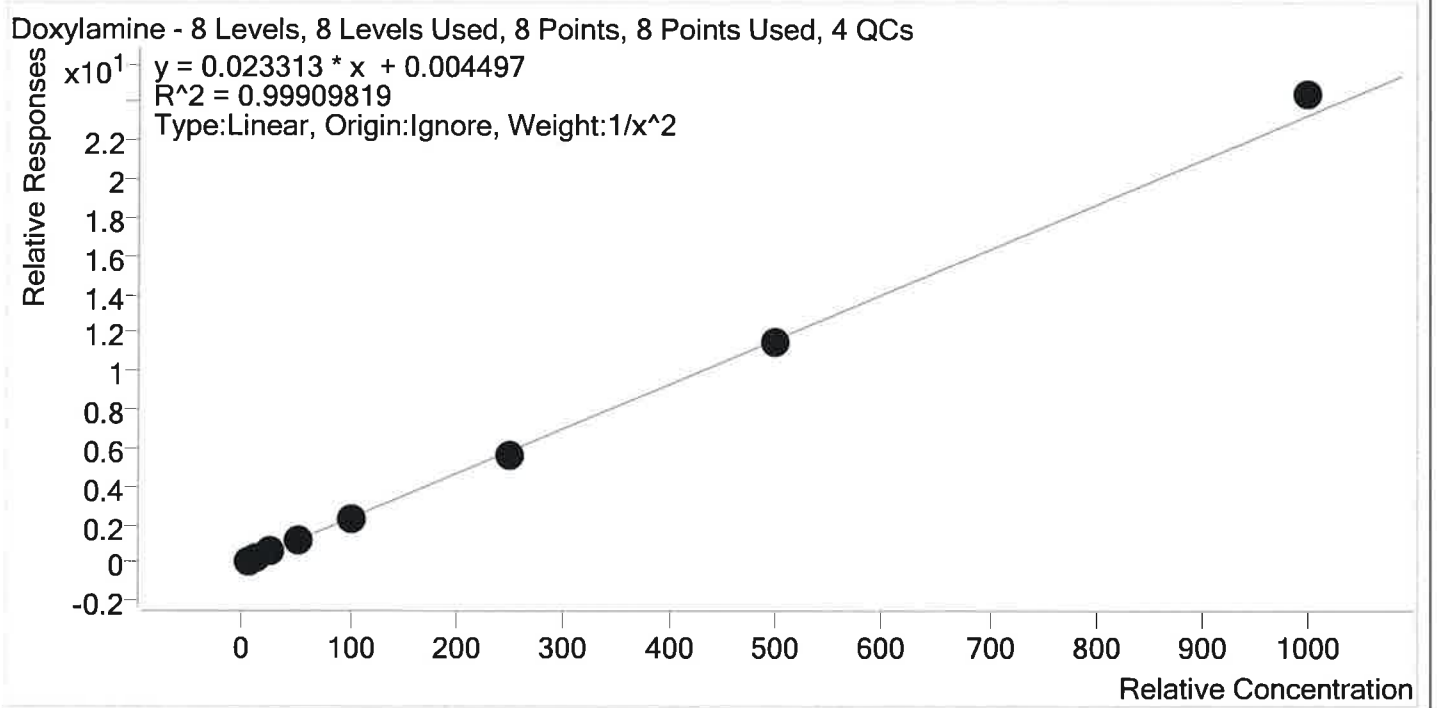
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 5.1 | 101.9 |
| p1 Cal 2- 10ng | 2 | ✓ | 10.0 | 9.7 | 97.0 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 24.5 | 98.1 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 50.1 | 100.2 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 99.3 | 99.3 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 252.3 | 100.9 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 507.2 | 101.4 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 1012.1 | 101.2 |

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\082219 MDQ TS MDS SP\QuantResults\MDQ wklist 365
 TS.batch.bin
Last Cal. Update 8/26/2019 9:26 AM
Analyst Name ISP\datastor
Analyte Doxylamine **Internal Standard** Doxylamine-D5



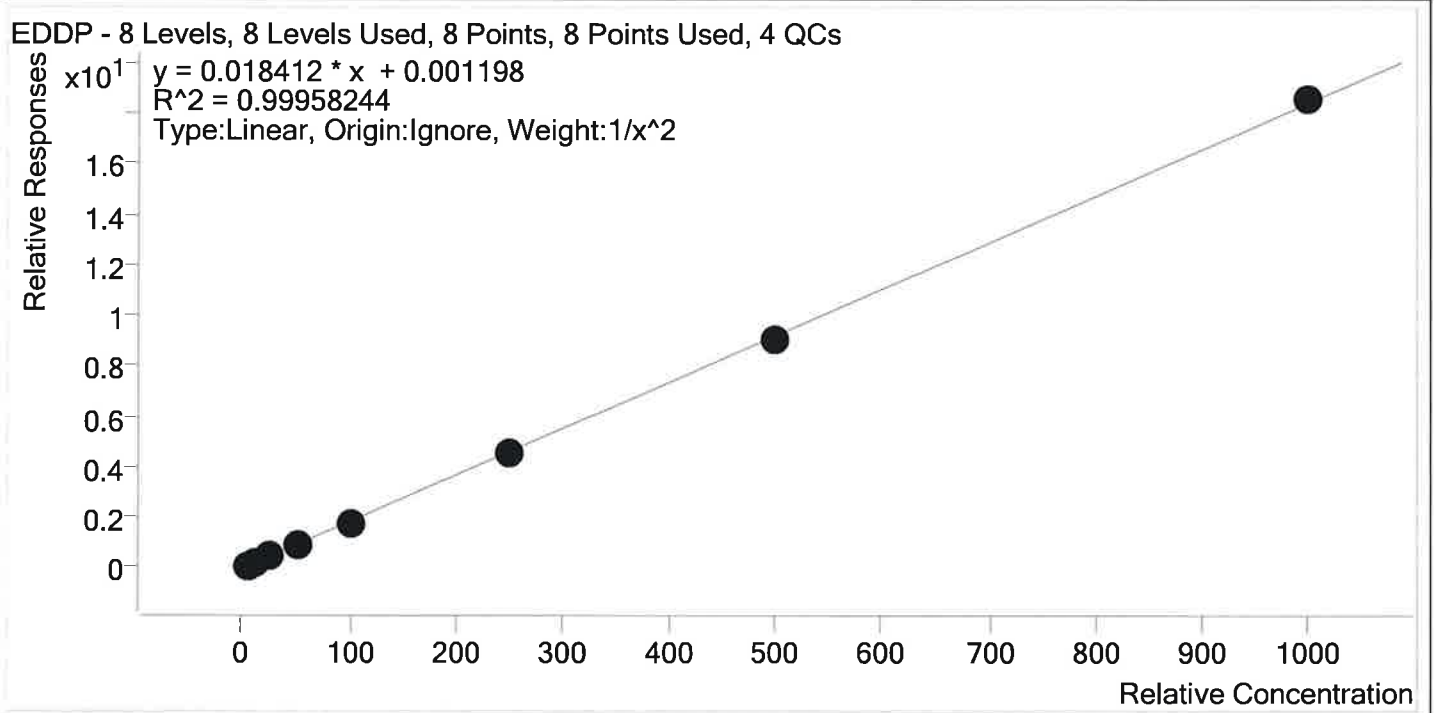
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 5.0 | 100.9 |
| p1 Cal 2- 10ng | 2 | ✓ | 10.0 | 9.9 | 98.7 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 24.7 | 98.8 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 50.0 | 100.0 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 102.1 | 102.1 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 240.4 | 96.1 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 493.4 | 98.7 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 1047.4 | 104.7 |

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\082219 MDQ TS MDS SP\QuantResults\MDQ wk1st 365
 TS.batch.bin
Last Cal. Update 8/26/2019 9:26 AM
Analyst Name ISP\datastor
Analyte EDDP **Internal Standard** EDDP-D3



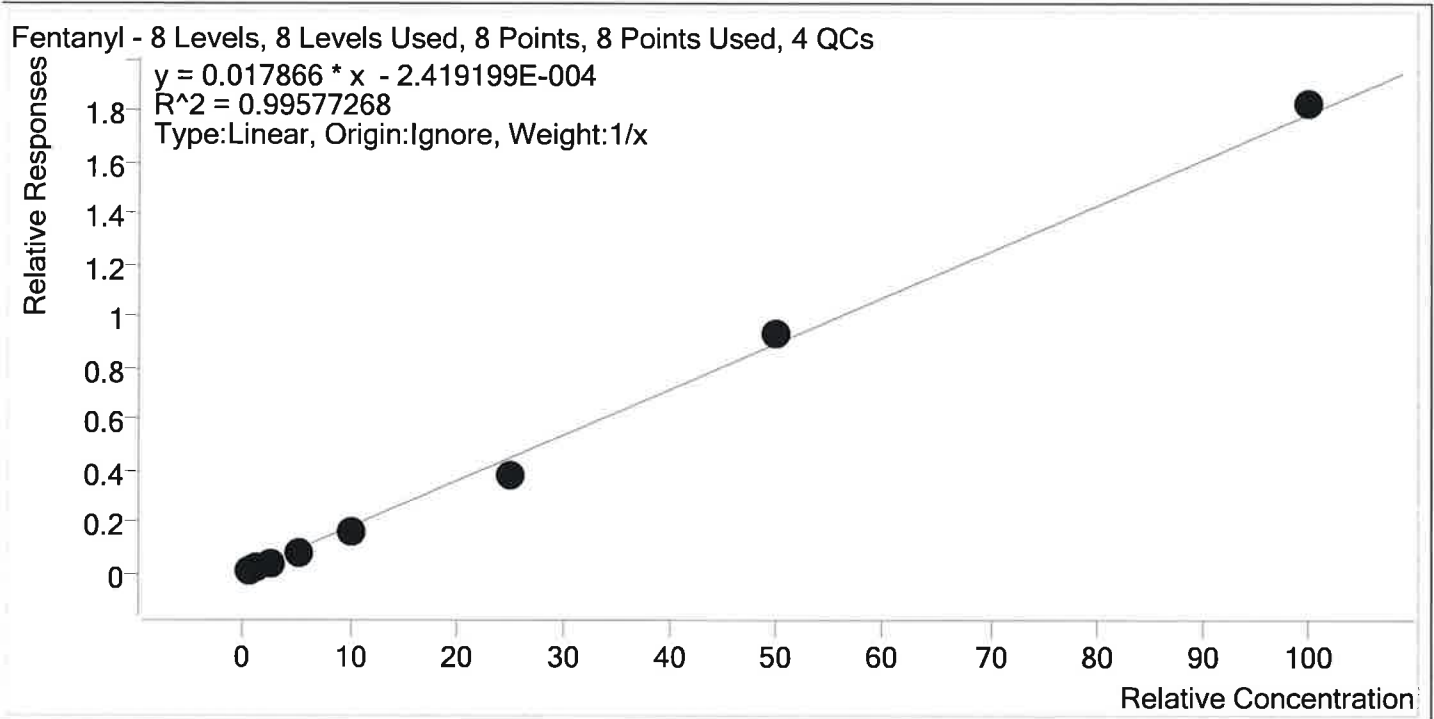
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 5.0 | 100.0 |
| p1 Cal 2- 10ng | 2 | ✓ | 10.0 | 10.0 | 99.8 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 24.7 | 98.9 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 52.0 | 103.9 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 99.0 | 99.0 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 248.0 | 99.2 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 491.6 | 98.3 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 1008.5 | 100.8 |

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\082219 MDQ TS MDS SP\QuantResults\MDQ wklist 365
 TS.batch.bin
Last Cal. Update 8/26/2019 9:26 AM
Analyst Name ISP\datastor
Analyte Fentanyl **Internal Standard** Fentanyl-D5



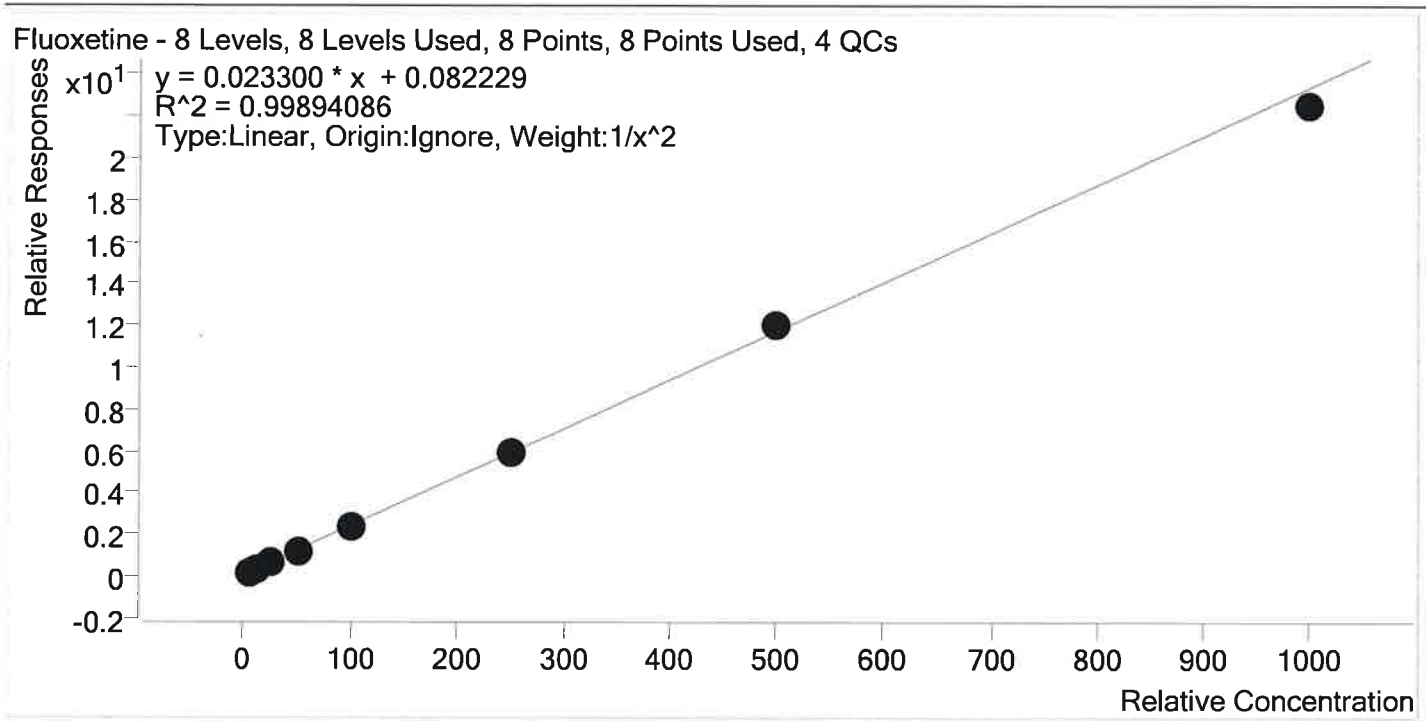
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 0.5 | 0.5 | 109.7 |
| p1 Cal 2- 10ng | 2 | ✓ | 1.0 | 1.2 | 120.6 |
| p1 Cal 3 -25ng | 3 | ✓ | 2.5 | 2.3 | 91.0 |
| p1 Cal 4-50ng | 4 | ✓ | 5.0 | 4.6 | 92.8 |
| p1 Cal 5-100ng | 5 | ✓ | 10.0 | 9.3 | 93.0 |
| p1 Cal 6-250ng | 6 | ✓ | 25.0 | 21.6 | 86.4 |
| p1 Cal 7-500ng | 7 | ✓ | 50.0 | 52.2 | 104.4 |
| p1 Cal 8-1000ng | 8 | ✓ | 100.0 | 102.2 | 102.2 |

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\082219 MDQ TS MDS SP\QuantResults\MDQ wk1st 365
 TS.batch.bin
Last Cal. Update 8/26/2019 9:26 AM
Analyst Name ISP\datastor
Analyte Fluoxetine **Internal Standard** Fluoxetine-D6



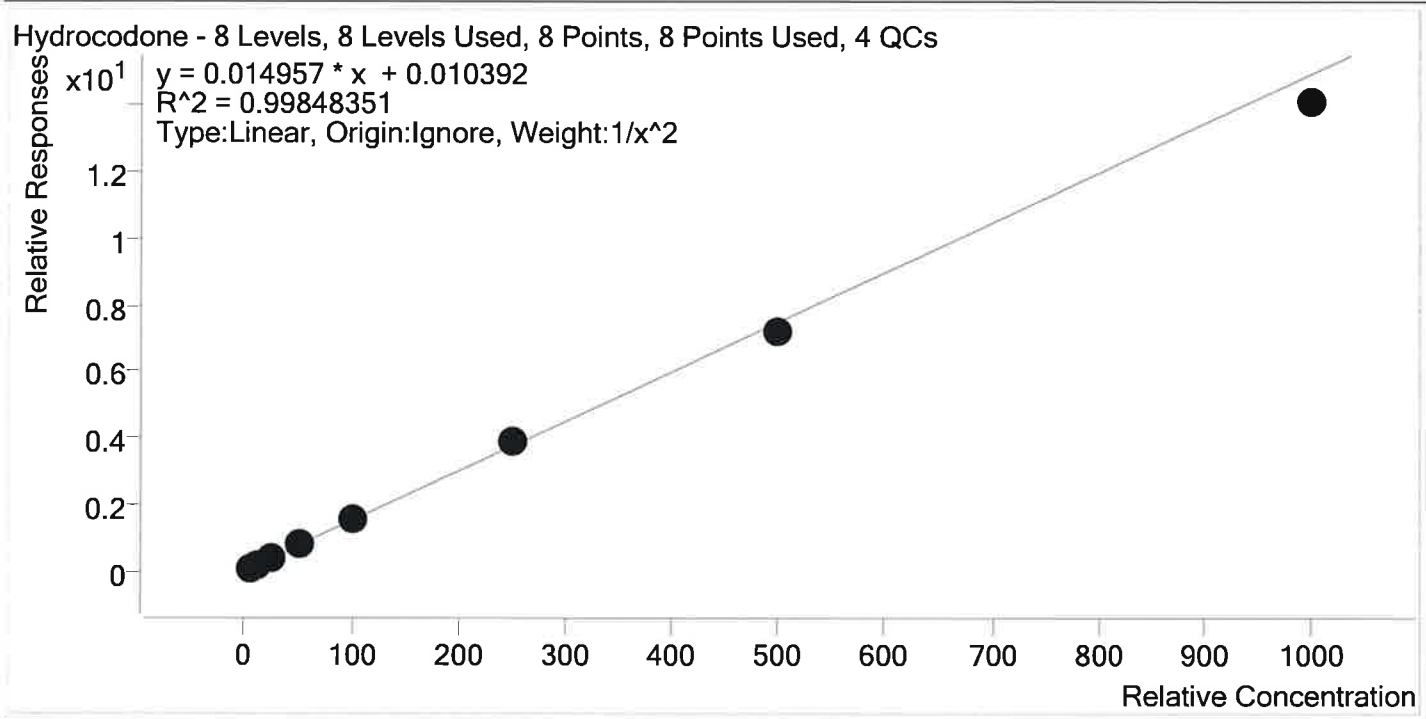
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 5.1 | 101.4 |
| p1 Cal 2- 10ng | 2 | ✓ | 10.0 | 9.6 | 96.2 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 25.8 | 103.3 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 49.1 | 98.3 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 100.0 | 100.0 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 254.2 | 101.7 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 514.7 | 102.9 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 962.3 | 96.2 |

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\082219 MDQ TS MDS SP\QuantResults\MDQ wk1st 365
 TS.batch.bin
Last Cal. Update 8/26/2019 9:26 AM
Analyst Name ISP\datastor
Analyte Hydrocodone **Internal Standard** Hydrocodone-D6



| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 5.0 | 99.2 |
| p1 Cal 2- 10ng | 2 | ✓ | 10.0 | 9.9 | 99.2 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 26.2 | 104.7 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 50.9 | 101.8 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 100.6 | 100.6 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 258.1 | 103.2 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 483.8 | 96.8 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 943.8 | 94.4 |

75



AM #28 Multi-Drug Quant. Calibration Curve Report

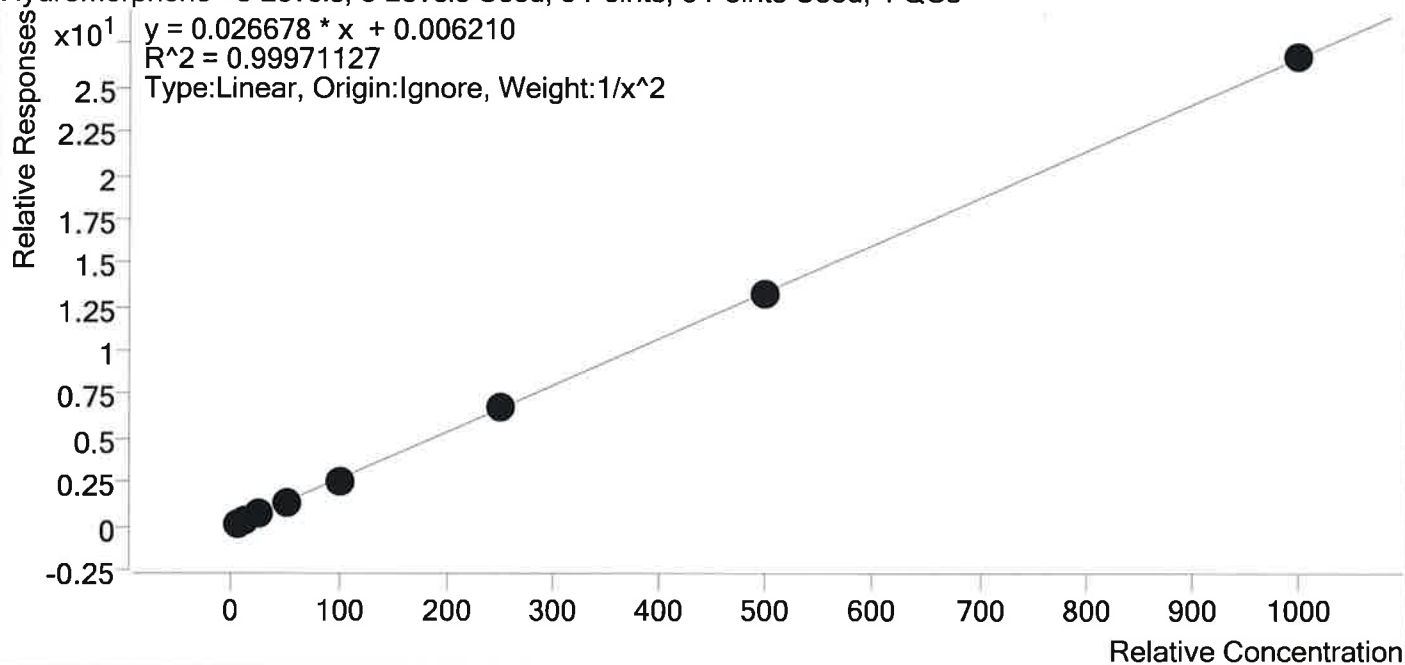
Batch results D:\MassHunter\Data\2019\AM 28\082219 MDQ TS MDS SP\QuantResults\MDQ wk1st 365
TS.batch.bin

Last Cal. Update 8/26/2019 9:26 AM

Analyst Name ISP\datastor

Analyte Hydromorphone **Internal Standard** Hydromorphone-D6

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



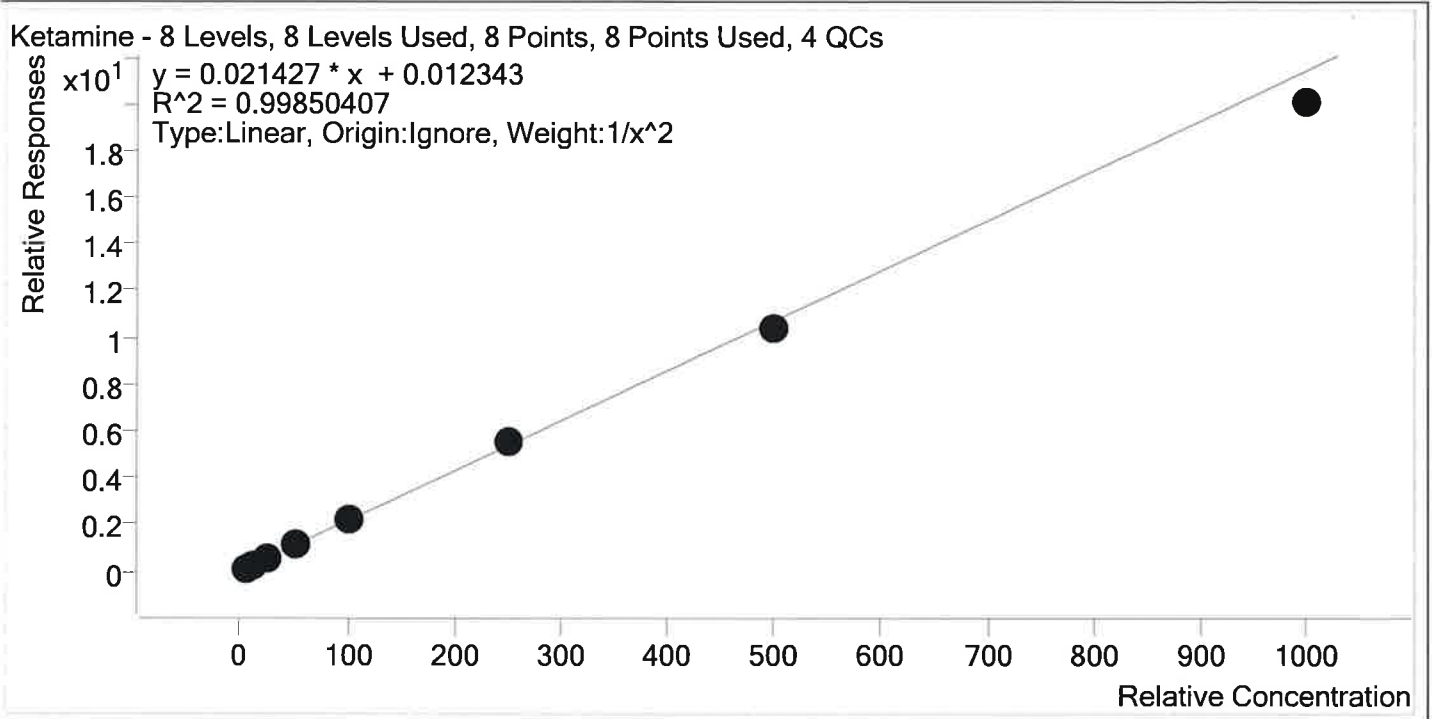
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 5.0 | 99.4 |
| p1 Cal 2- 10ng | 2 | ✓ | 10.0 | 10.1 | 100.8 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 25.3 | 101.2 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 50.2 | 100.4 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 97.4 | 97.4 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 254.9 | 101.9 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 493.3 | 98.7 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 1002.1 | 100.2 |

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\082219 MDQ TS MDS SP\QuantResults\MDQ wk1st 365
 TS.batch.bin
Last Cal. Update 8/26/2019 9:26 AM
Analyst Name ISP\datastor
Analyte Ketamine **Internal Standard** Ketamine-D4



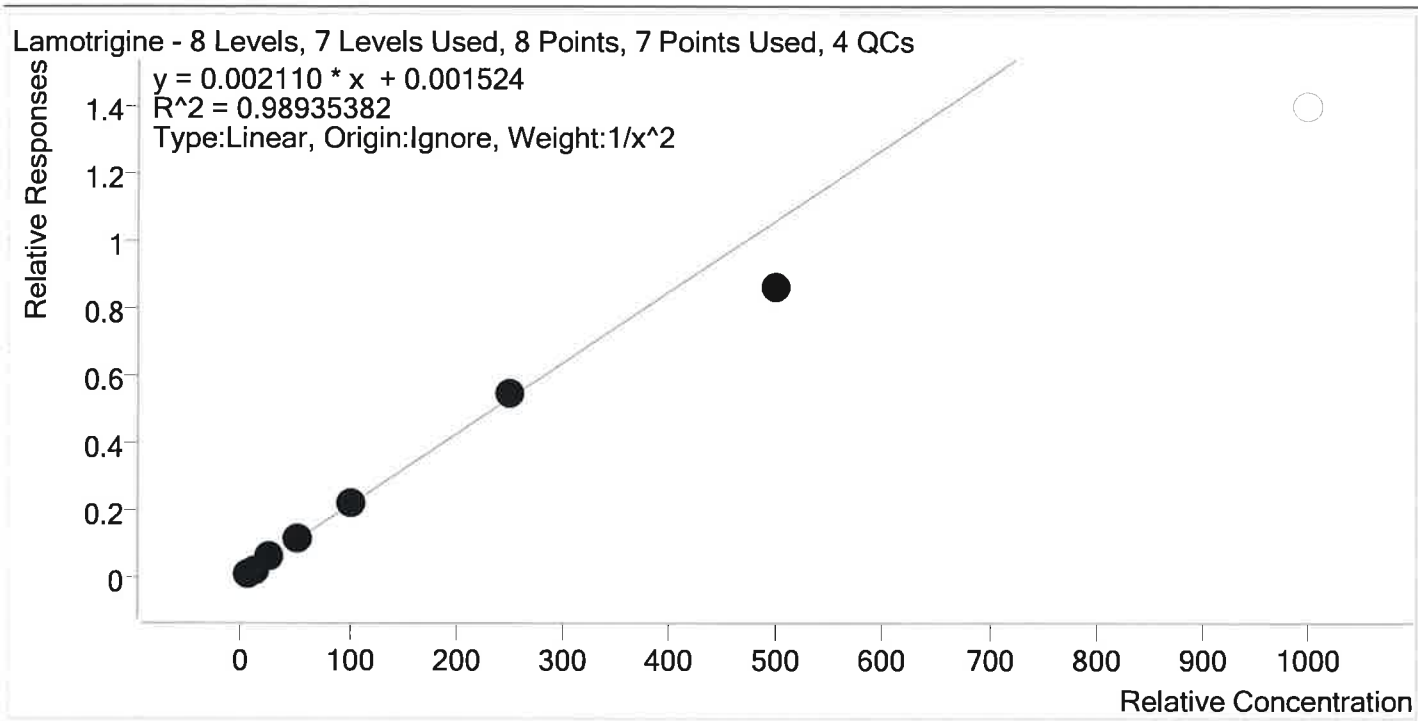
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 4.9 | 98.2 |
| p1 Cal 2- 10ng | 2 | ✓ | 10.0 | 10.2 | 101.8 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 25.7 | 102.8 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 51.7 | 103.4 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 100.5 | 100.5 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 256.0 | 102.4 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 486.3 | 97.3 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 937.0 | 93.7 |

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\082219 MDQ TS MDS SP\QuantResults\MDQ wk1st 365
 TS.batch.bin
Last Cal. Update 8/26/2019 9:26 AM
Analyst Name ISP\datastor
Analyte Lamotrigine **Internal Standard** Ketamine-D4



| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 4.8 | 96.9 |
| p1 Cal 2- 10ng | 2 | ✓ | 10.0 | 10.2 | 102.3 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 26.5 | 106.1 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 53.7 | 107.3 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 103.0 | 103.0 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 256.8 | 102.7 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 408.1 | 81.6 |
| p1 Cal 8-1000ng | 8 | × | 1000.0 | 659.8 | 66.0 |

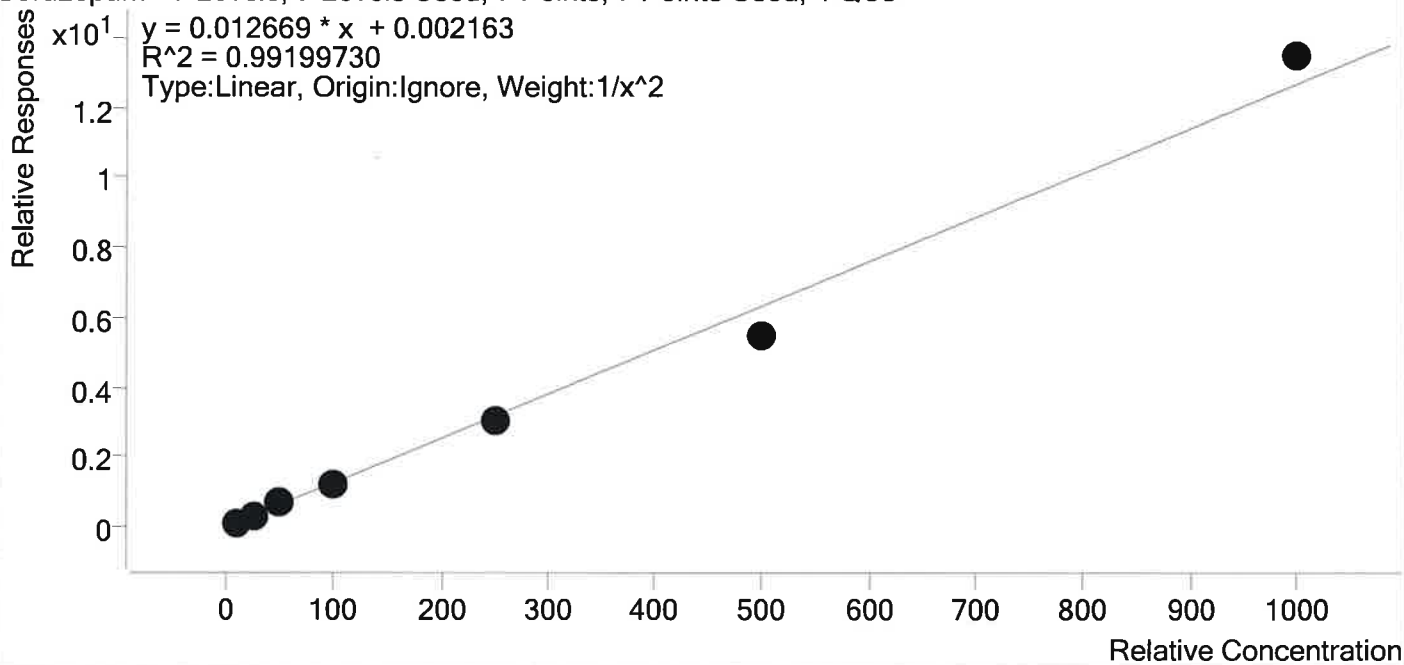
TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\082219 MDQ TS MDS SP\QuantResults\MDQ wk1st 365
 TS.batch.bin
Last Cal. Update 8/26/2019 9:26 AM
Analyst Name ISP\datastor
Analyte Lorazepam **Internal Standard** Clonazepam-D4

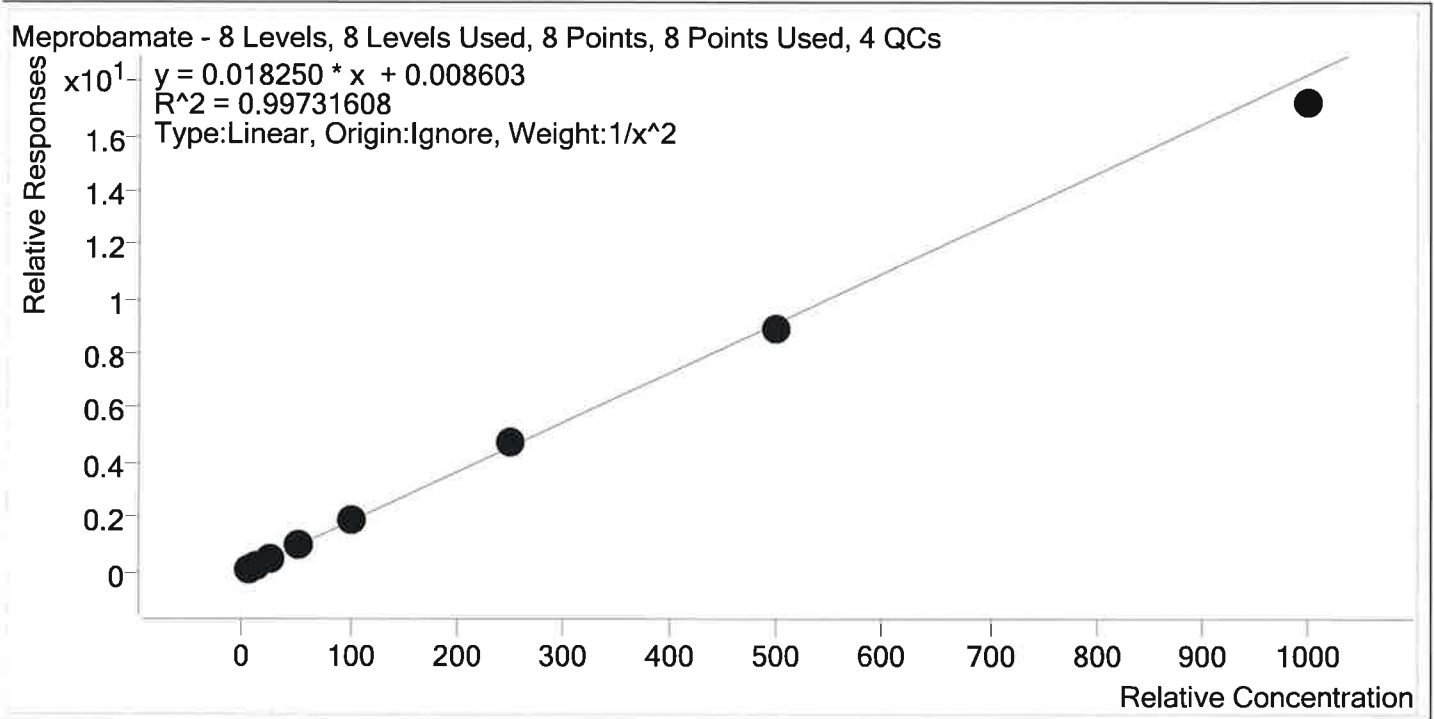
Lorazepam - 7 Levels, 7 Levels Used, 7 Points, 7 Points Used, 4 QCs



| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 2- 10ng | 2 | ✓ | 10.0 | 9.6 | 96.3 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 26.4 | 105.8 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 54.8 | 109.6 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 98.3 | 98.3 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 241.4 | 96.6 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 436.2 | 87.2 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 1062.8 | 106.3 |

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\082219 MDQ TS MDS SP\QuantResults\MDQ wk1st 365
 TS.batch.bin
Last Cal. Update 8/26/2019 9:26 AM
Analyst Name ISP\datastor
Analyte Meprobamate **Internal Standard** Meprobamate-D7

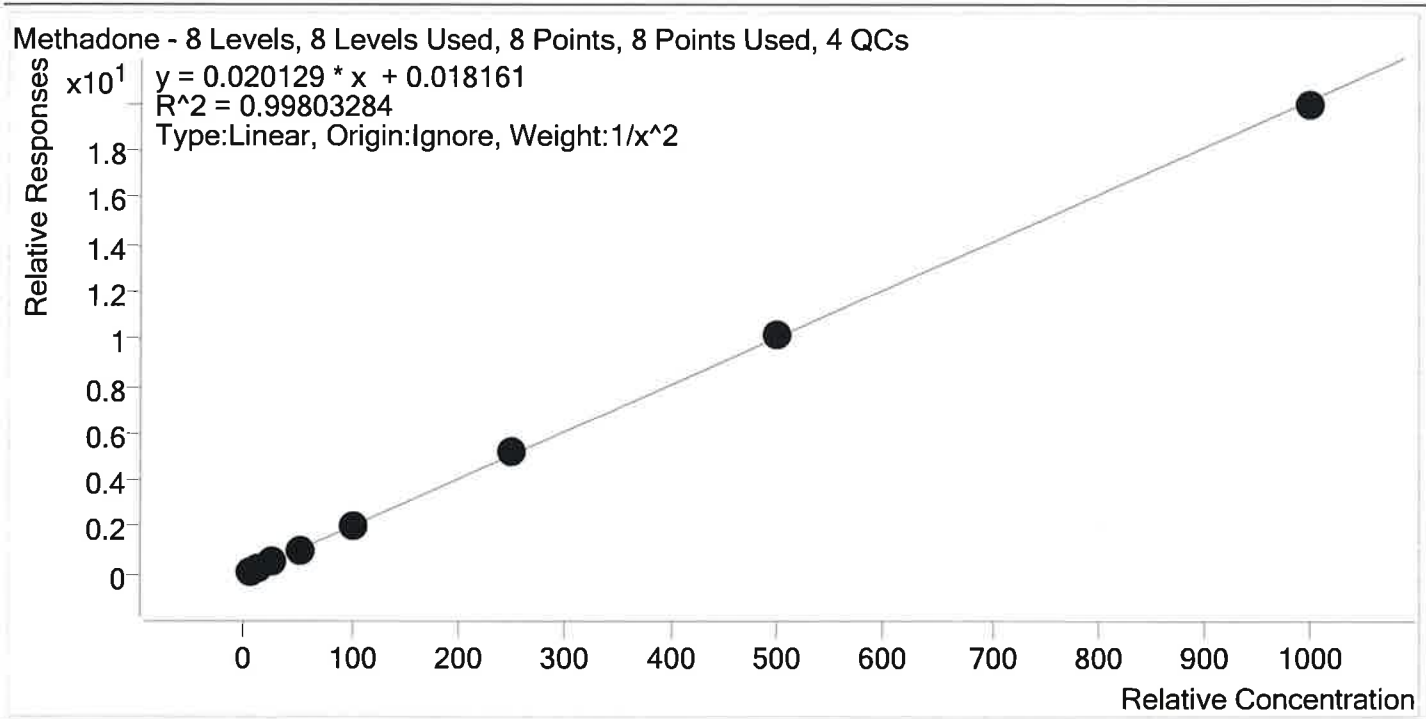


| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 5.1 | 101.8 |
| p1 Cal 2- 10ng | 2 | ✓ | 10.0 | 9.5 | 95.5 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 24.5 | 97.9 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 53.8 | 107.7 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 101.5 | 101.5 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 259.6 | 103.8 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 487.2 | 97.4 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 943.5 | 94.3 |



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\082219 MDQ TS MDS SP\QuantResults\MDQ wk1st 365
 TS.batch.bin
Last Cal. Update 8/26/2019 9:26 AM
Analyst Name ISP\datastor
Analyte Methadone **Internal Standard** Methadone-D9



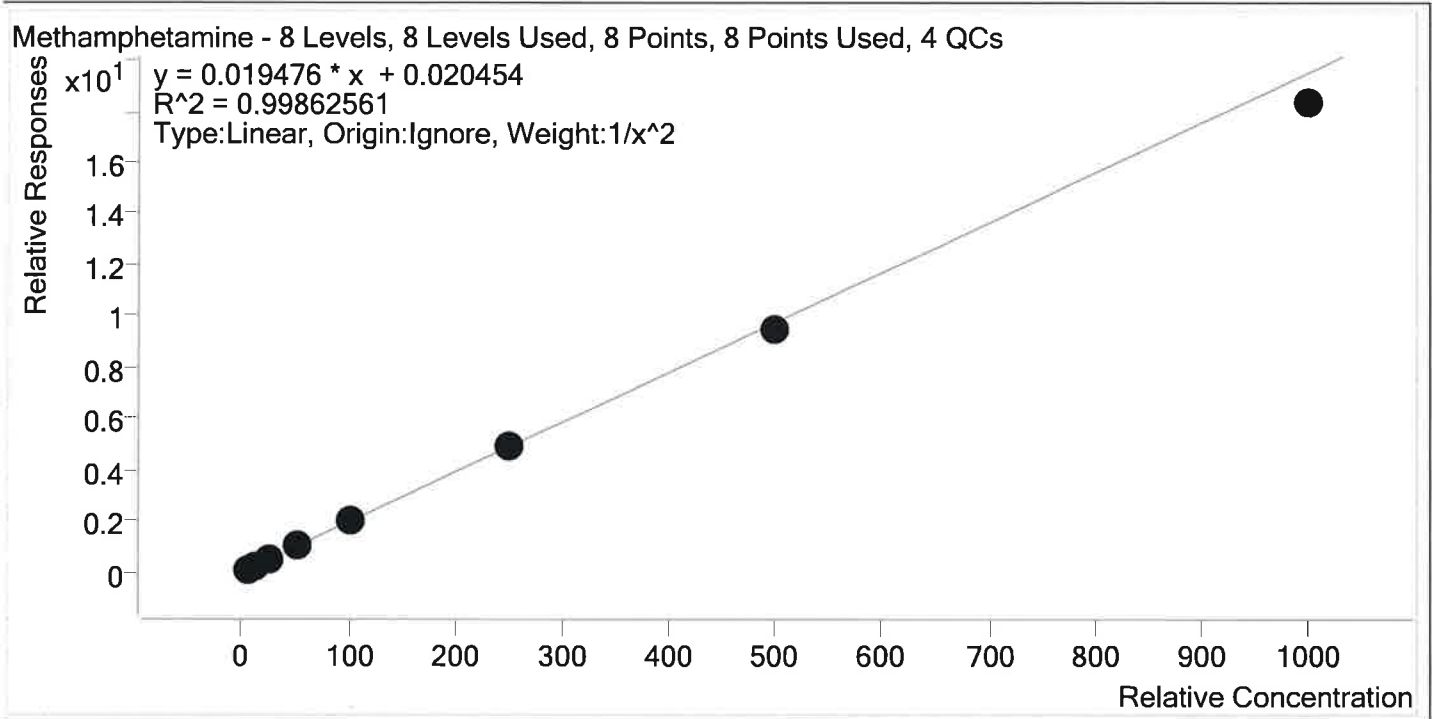
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 5.2 | 104.2 |
| p1 Cal 2- 10ng | 2 | ✓ | 10.0 | 9.2 | 91.8 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 24.6 | 98.6 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 50.0 | 100.0 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 103.0 | 103.0 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 255.1 | 102.1 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 506.8 | 101.4 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 990.1 | 99.0 |

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\082219 MDQ TS MDS SP\QuantResults\MDQ wk1st 365
 TS.batch.bin
Last Cal. Update 8/26/2019 9:26 AM
Analyst Name ISP\datastor
Analyte Methamphetamine **Internal Standard** Methamphetamine-D11



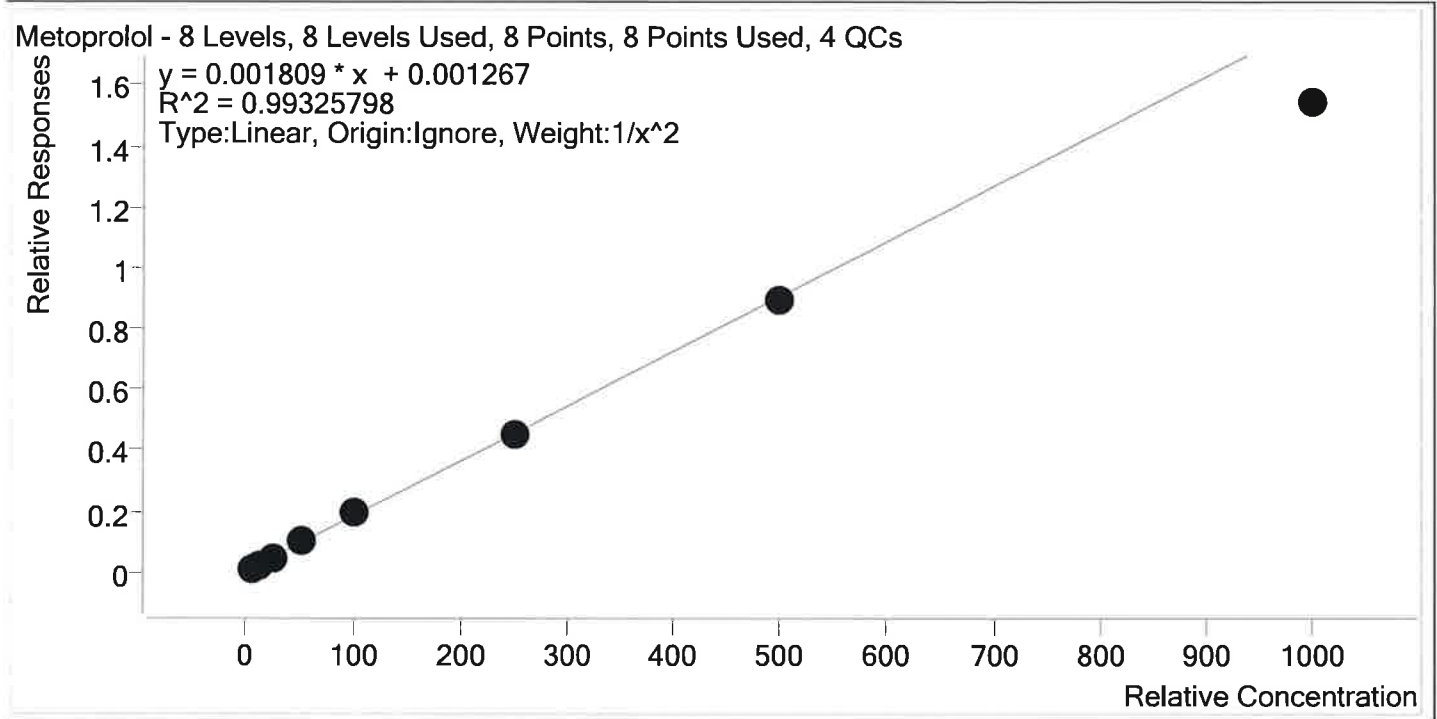
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 4.9 | 98.8 |
| p1 Cal 2- 10ng | 2 | ✓ | 10.0 | 10.1 | 101.5 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 25.0 | 100.0 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 51.8 | 103.6 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 102.8 | 102.8 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 255.2 | 102.1 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 486.4 | 97.3 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 939.8 | 94.0 |

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\082219 MDQ TS MDS SP\QuantResults\MDQ wk1st 365
 TS.batch.bin
Last Cal. Update 8/26/2019 9:26 AM
Analyst Name ISP\datastor
Analyte Metoprolol **Internal Standard** Tramadol-13C-D3

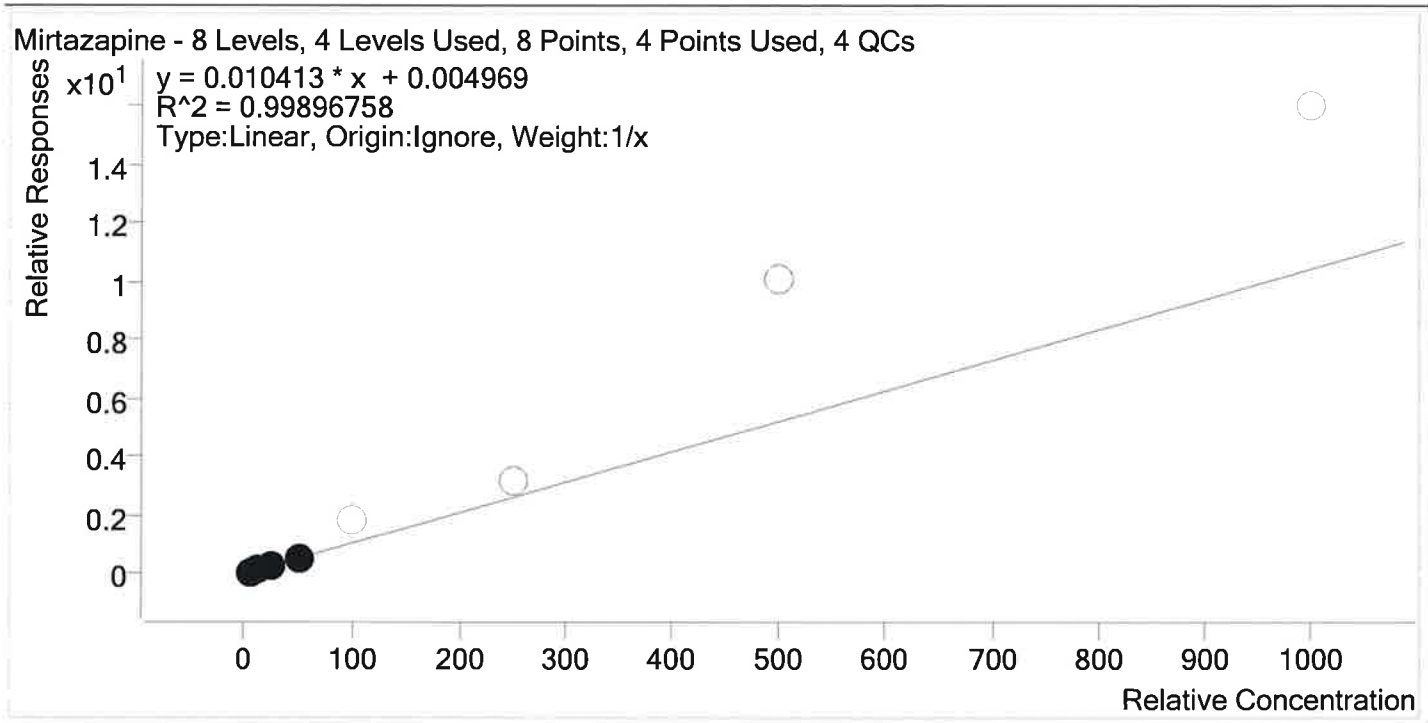


| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 4.9 | 98.5 |
| p1 Cal 2- 10ng | 2 | ✓ | 10.0 | 10.1 | 100.5 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 25.2 | 101.0 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 53.1 | 106.1 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 110.0 | 110.0 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 249.0 | 99.6 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 494.5 | 98.9 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 853.3 | 85.3 |



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\082219 MDQ TS MDS SP\QuantResults\MDQ wk1st 365
 TS.batch.bin
Last Cal. Update 8/26/2019 9:26 AM
Analyst Name ISP\datastor
Analyte Mirtazapine **Internal Standard** alpha-PVP-d8



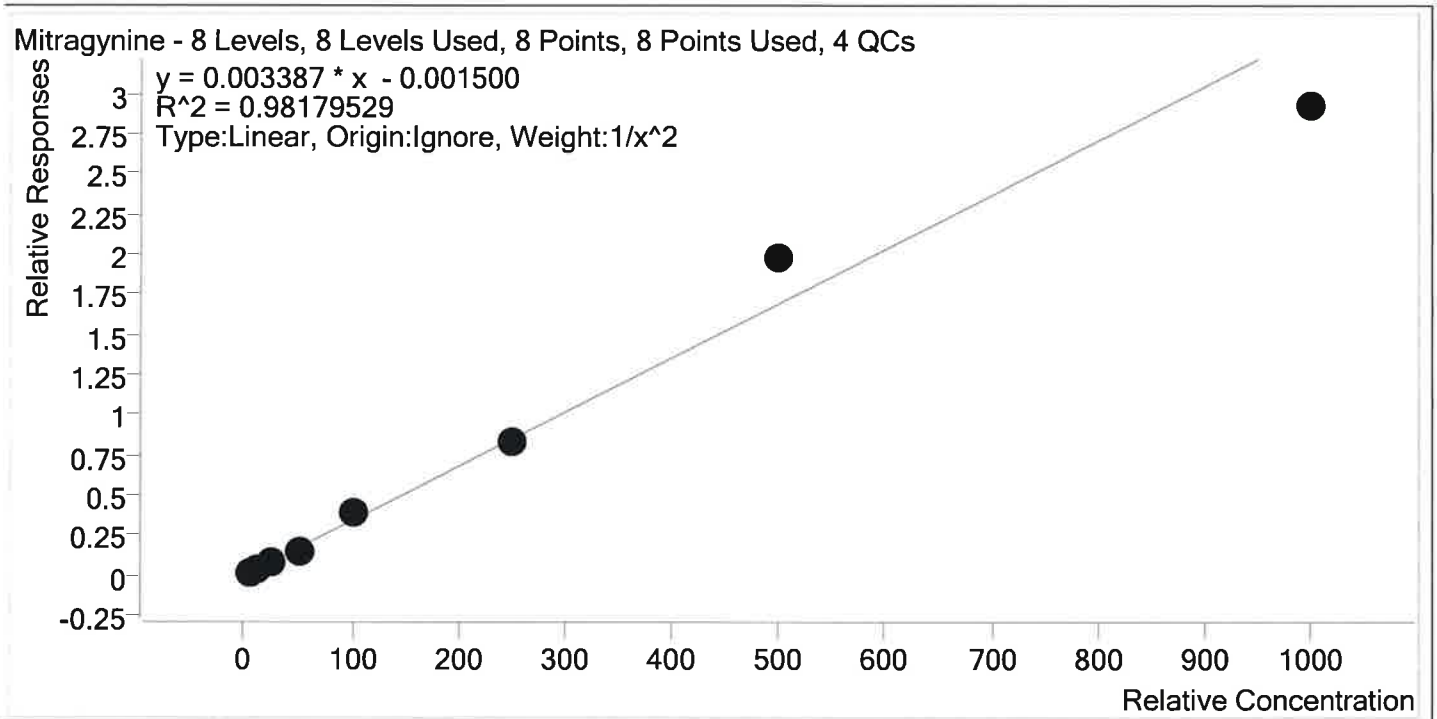
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 5.2 | 103.7 |
| p1 Cal 2- 10ng | 2 | ✓ | 10.0 | 9.5 | 94.6 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 25.5 | 102.1 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 49.8 | 99.7 |
| p1 Cal 5-100ng | 5 | × | 100.0 | 179.8 | 179.8 |
| p1 Cal 6-250ng | 6 | × | 250.0 | 303.2 | 121.3 |
| p1 Cal 7-500ng | 7 | × | 500.0 | 964.6 | 192.9 |
| p1 Cal 8-1000ng | 8 | × | 1000.0 | 1535.5 | 153.6 |

* Compound not evaluated - TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\082219 MDQ TS MDS SP\QuantResults\MDQ wk1st 365
 TS.batch.bin
Last Cal. Update 8/26/2019 9:26 AM
Analyst Name ISP\datastor
Analyte Mitragynine **Internal Standard** Methadone-D9



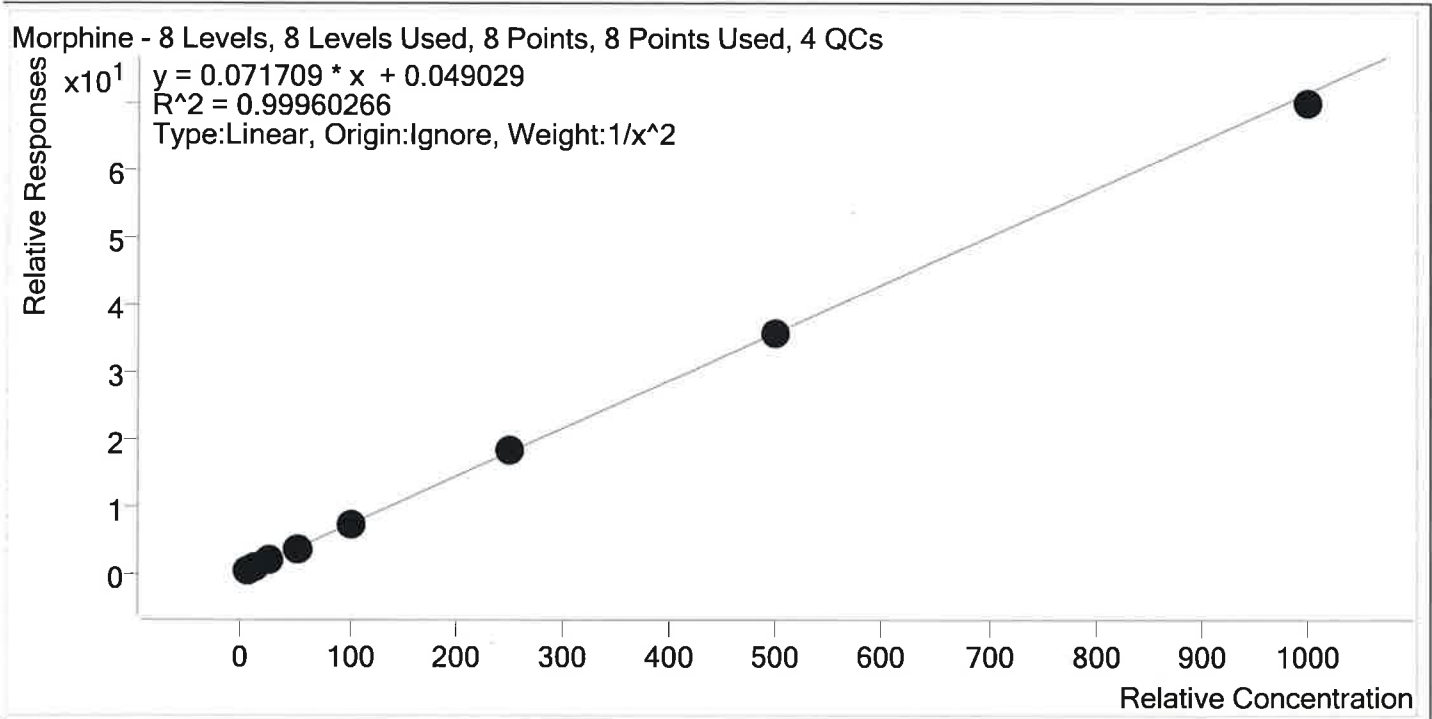
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 5.3 | 105.1 |
| p1 Cal 2- 10ng | 2 | ✓ | 10.0 | 9.2 | 92.2 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 23.5 | 93.9 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 45.4 | 90.7 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 117.0 | 117.0 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 243.9 | 97.6 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 585.0 | 117.0 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 864.7 | 86.5 |

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\082219 MDQ TS MDS SP\QuantResults\MDQ wk1st 365
 TS.batch.bin
Last Cal. Update 8/26/2019 9:26 AM
Analyst Name ISP\datastor
Analyte Morphine **Internal Standard** Morphine-D6



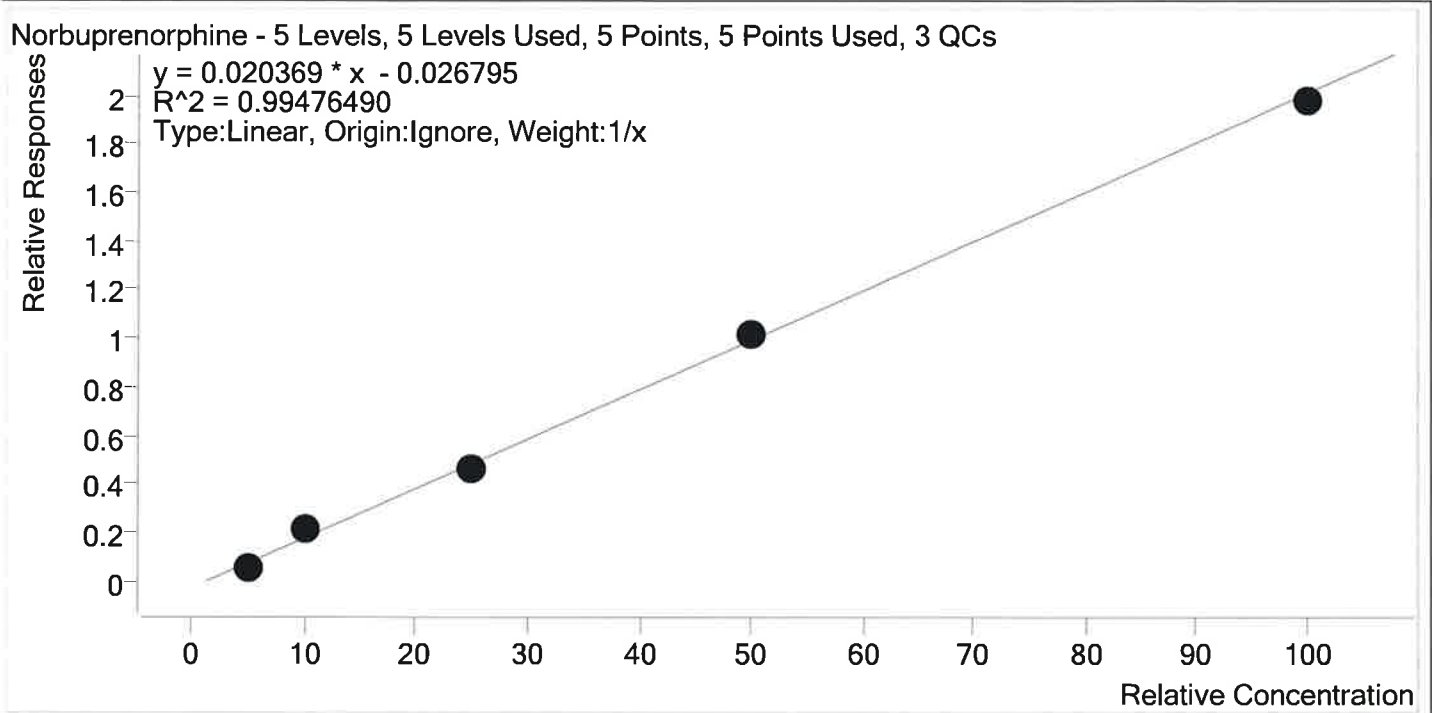
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 4.9 | 98.3 |
| p1 Cal 2- 10ng | 2 | ✓ | 10.0 | 10.3 | 103.3 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 25.2 | 100.8 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 50.0 | 100.1 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 98.9 | 98.9 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 251.7 | 100.7 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 501.2 | 100.2 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 977.5 | 97.8 |

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\082219 MDQ TS MDS SP\QuantResults\MDQ wk1st 365
 TS.batch.bin
Last Cal. Update 8/26/2019 9:26 AM
Analyst Name ISP\datastor
Analyte Norbuprenorphine **Internal Standard** Norbuprenorphine-D3



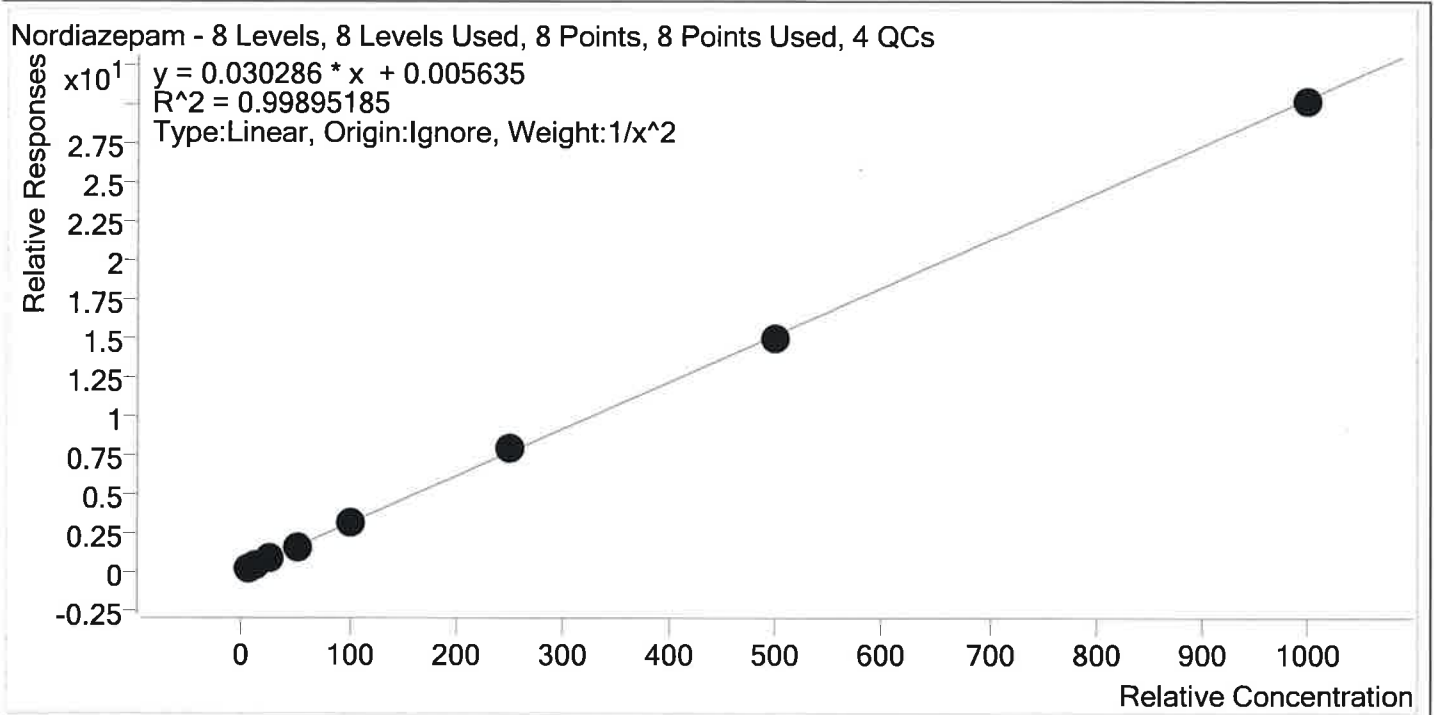
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 4-50ng | 4 | ✓ | 5.0 | 4.1 | 82.6 |
| p1 Cal 5-100ng | 5 | ✓ | 10.0 | 12.0 | 119.8 |
| p1 Cal 6-250ng | 6 | ✓ | 25.0 | 24.1 | 96.4 |
| p1 Cal 7-500ng | 7 | ✓ | 50.0 | 51.4 | 102.9 |
| p1 Cal 8-1000ng | 8 | ✓ | 100.0 | 98.4 | 98.4 |

*Compound not evaluated. - TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\082219 MDQ TS MDS SP\QuantResults\MDQ wk1st 365
 TS.batch.bin
Last Cal. Update 8/26/2019 9:26 AM
Analyst Name ISP\datastor
Analyte Nordiazepam **Internal Standard** Nordiazepam-D5

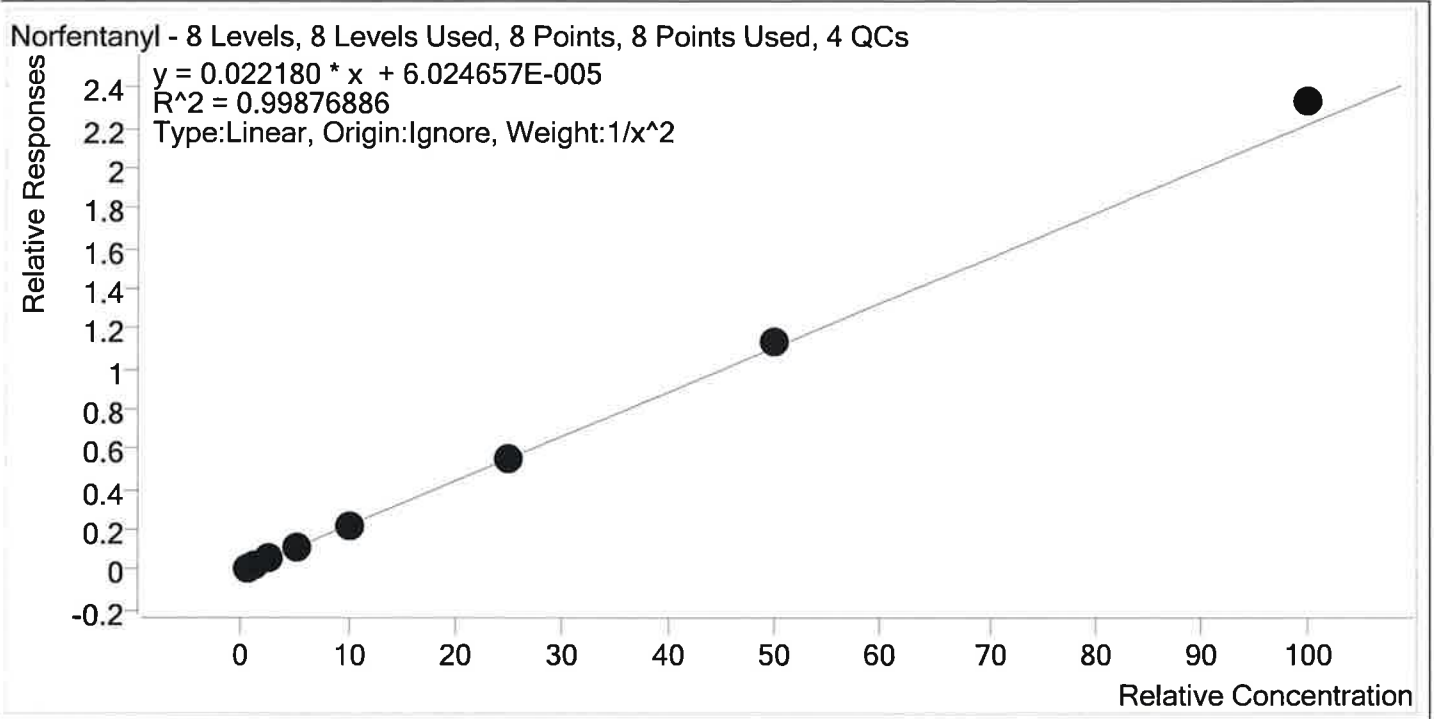


| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 5.1 | 102.1 |
| p1 Cal 2- 10ng | 2 | ✓ | 10.0 | 9.5 | 94.7 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 25.6 | 102.6 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 50.4 | 100.8 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 98.2 | 98.2 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 258.1 | 103.2 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 494.9 | 99.0 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 994.0 | 99.4 |



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\082219 MDQ TS MDS SP\QuantResults\MDQ wklist 365
 TS.batch.bin
Last Cal. Update 8/26/2019 9:26 AM
Analyst Name ISP\datastor
Analyte Norfentanyl **Internal Standard** Norfentanyl-D5



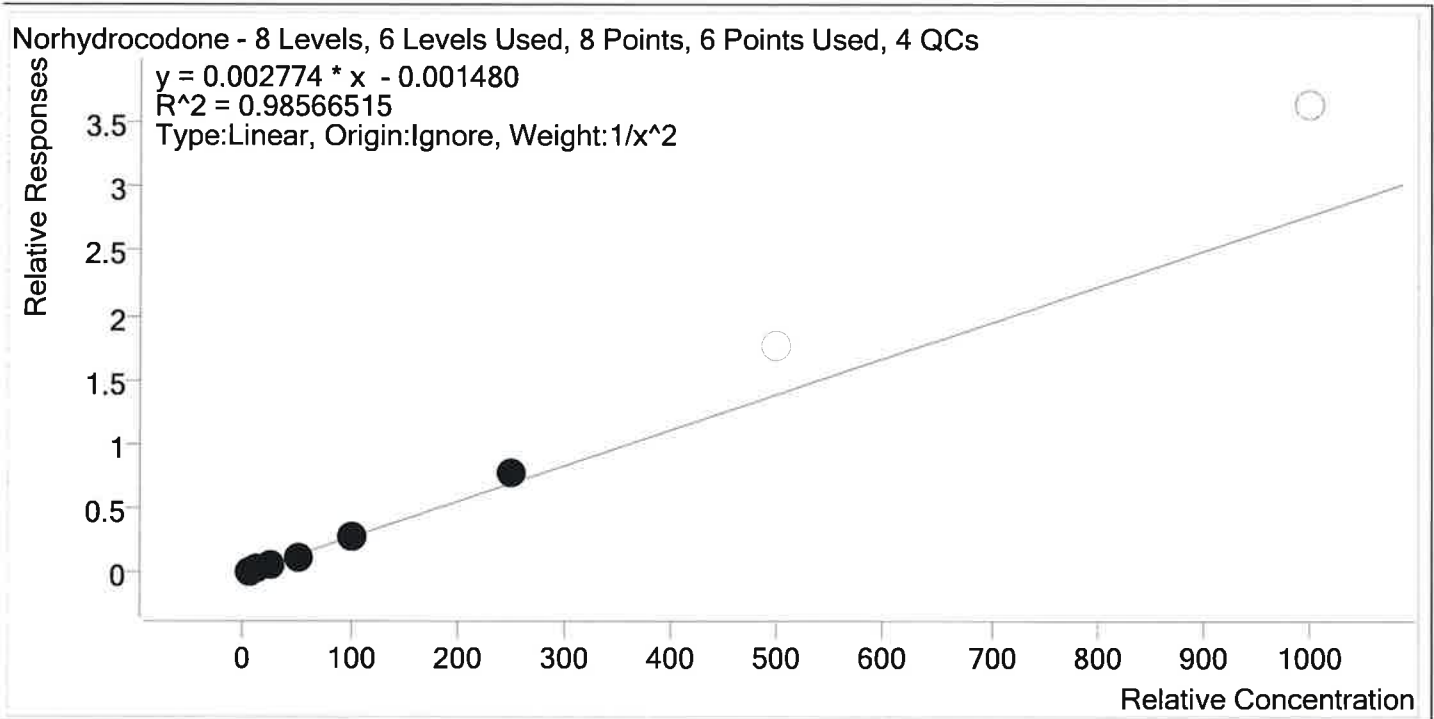
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 0.5 | 0.5 | 102.2 |
| p1 Cal 2- 10ng | 2 | ✓ | 1.0 | 1.0 | 97.2 |
| p1 Cal 3 -25ng | 3 | ✓ | 2.5 | 2.4 | 97.1 |
| p1 Cal 4-50ng | 4 | ✓ | 5.0 | 4.9 | 98.4 |
| p1 Cal 5-100ng | 5 | ✓ | 10.0 | 9.8 | 97.7 |
| p1 Cal 6-250ng | 6 | ✓ | 25.0 | 24.8 | 99.4 |
| p1 Cal 7-500ng | 7 | ✓ | 50.0 | 51.4 | 102.8 |
| p1 Cal 8-1000ng | 8 | ✓ | 100.0 | 105.2 | 105.2 |

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\082219 MDQ TS MDS SP\QuantResults\MDQ wk1st 365
 TS.batch.bin
Last Cal. Update 8/26/2019 9:26 AM
Analyst Name ISP\datastor
Analyte Norhydrocodone **Internal Standard** Norhydrocodone-D3

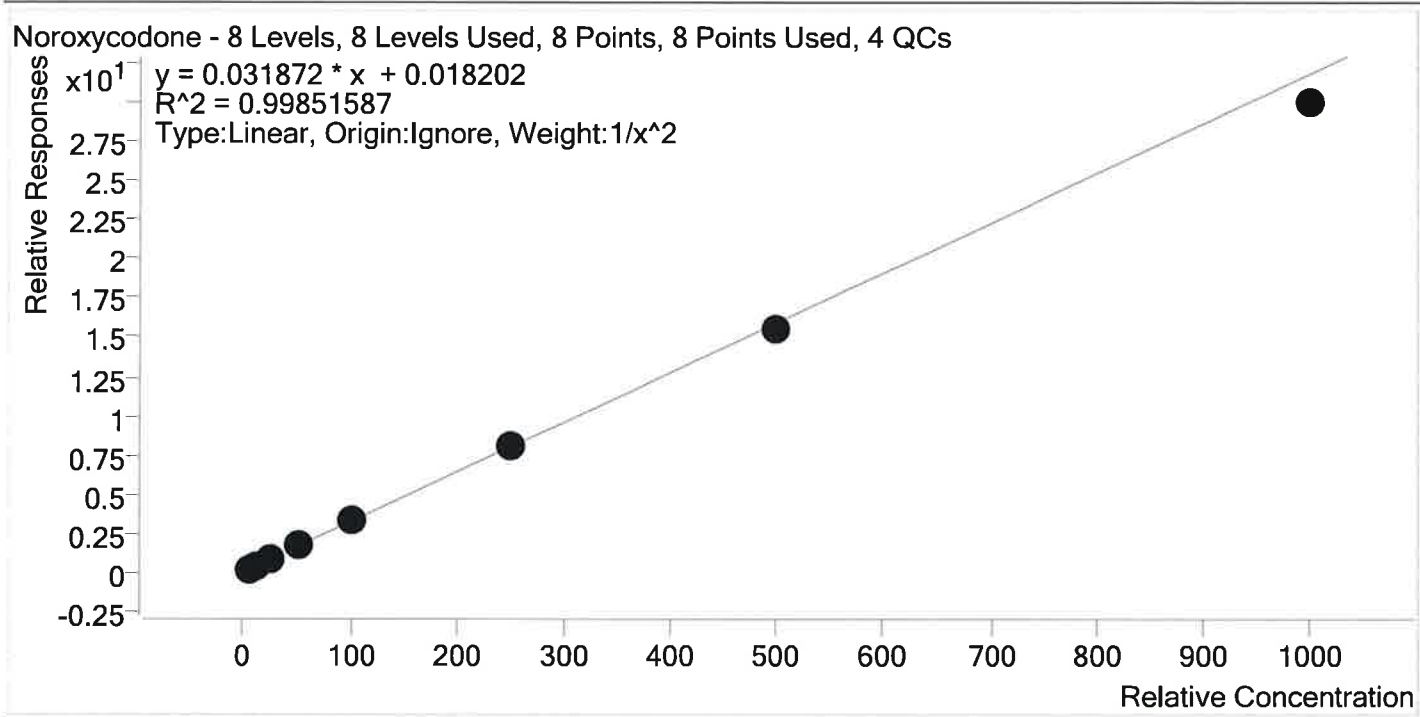


| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 5.3 | 106.9 |
| p1 Cal 2- 10ng | 2 | ✓ | 10.0 | 8.9 | 89.3 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 23.6 | 94.2 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 45.4 | 90.7 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 105.9 | 105.9 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 282.4 | 113.0 |
| p1 Cal 7-500ng | 7 | × | 500.0 | 633.6 | 126.7 |
| p1 Cal 8-1000ng | 8 | × | 1000.0 | 1309.7 | 131.0 |



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\082219 MDQ TS MDS SP\QuantResults\MDQ wklst 365
 TS.batch.bin
Last Cal. Update 8/26/2019 9:26 AM
Analyst Name ISP\datastor
Analyte Noroxycodone **Internal Standard** Noroxycodone-D3

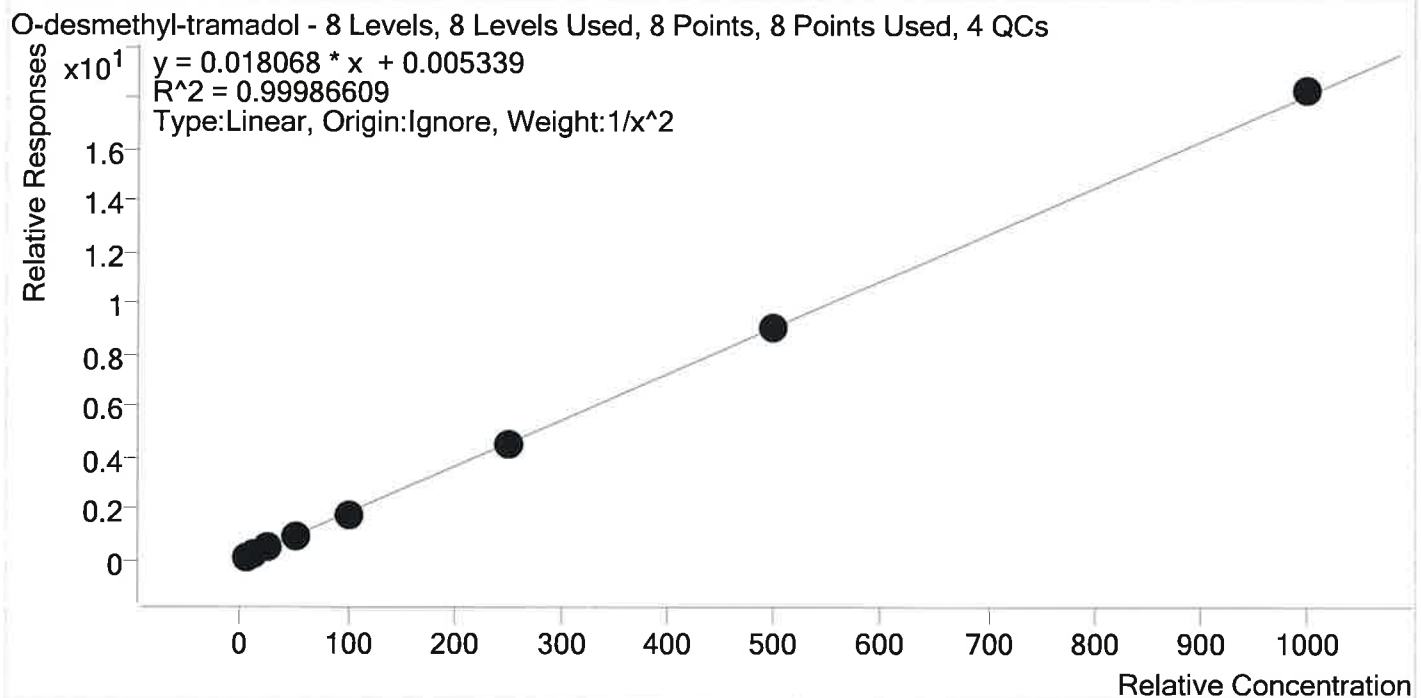


| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 5.0 | 99.6 |
| p1 Cal 2- 10ng | 2 | ✓ | 10.0 | 9.9 | 99.4 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 25.0 | 100.2 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 53.0 | 106.0 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 101.4 | 101.4 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 253.1 | 101.3 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 489.4 | 97.9 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 942.2 | 94.2 |



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\082219 MDQ TS MDS SP\QuantResults\MDQ wk1st 365
 TS.batch.bin
Last Cal. Update 8/26/2019 9:26 AM
Analyst Name ISP\datastor
Analyte O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6



| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 5.0 | 100.5 |
| p1 Cal 2- 10ng | 2 | ✓ | 10.0 | 9.9 | 99.3 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 24.7 | 99.0 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 50.5 | 101.0 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 98.3 | 98.3 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 251.5 | 100.6 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 501.2 | 100.2 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 1010.2 | 101.0 |

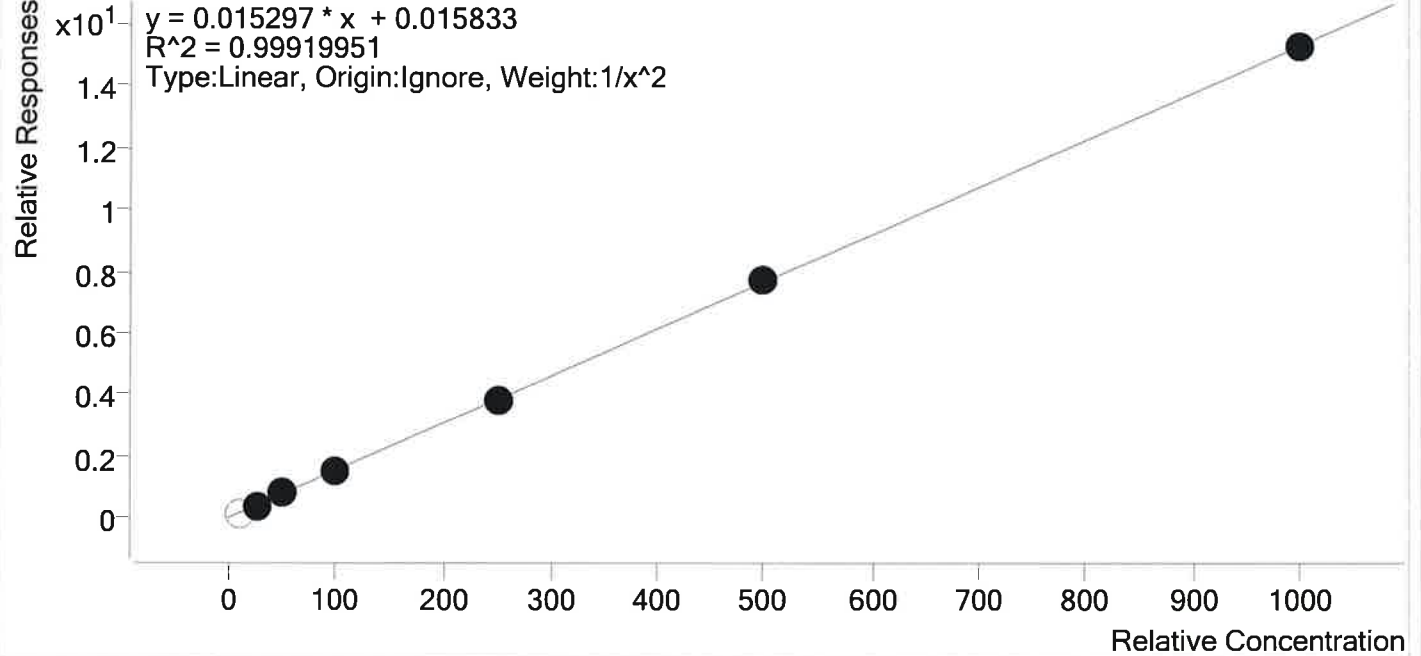
TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\082219 MDQ TS MDS SP\QuantResults\MDQ wk1st 365
 TS.batch.bin
Last Cal. Update 8/26/2019 9:26 AM
Analyst Name ISP\datastor
Analyte Oxazepam **Internal Standard** Oxazepam-D5

Oxazepam - 7 Levels, 6 Levels Used, 7 Points, 6 Points Used, 4 QCs



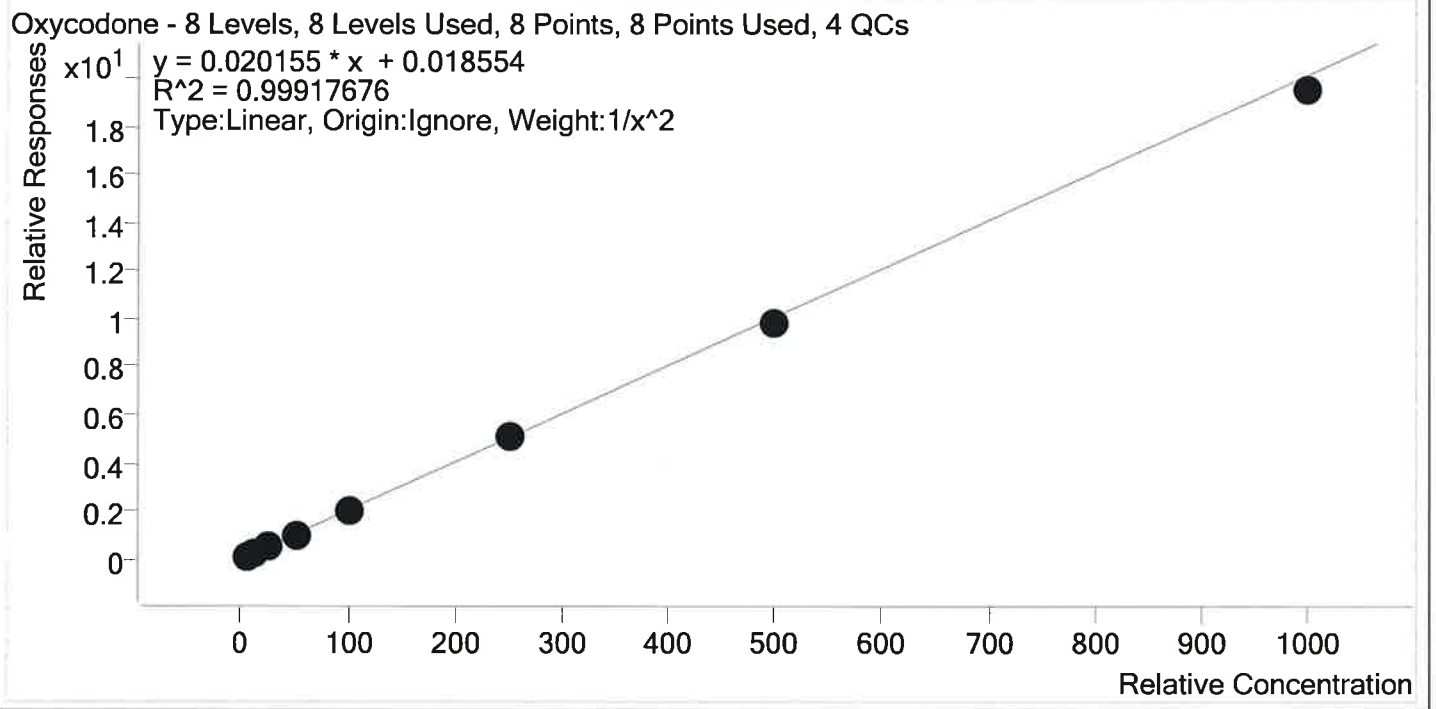
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 2- 10ng | 2 | × | 10.0 | 9.4 | 94.0 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 24.6 | 98.4 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 52.1 | 104.1 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 98.5 | 98.5 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 245.7 | 98.3 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 504.3 | 100.9 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 998.0 | 99.8 |

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\082219 MDQ TS MDS SP\QuantResults\MDQ wklist 365
 TS.batch.bin
Last Cal. Update 8/26/2019 9:26 AM
Analyst Name ISP\datastor
Analyte Oxycodone **Internal Standard** Oxycodone-D6



| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 4.9 | 98.3 |
| p1 Cal 2- 10ng | 2 | ✓ | 10.0 | 10.4 | 103.7 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 24.6 | 98.2 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 50.8 | 101.6 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 101.2 | 101.2 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 255.8 | 102.3 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 488.7 | 97.7 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 969.4 | 96.9 |

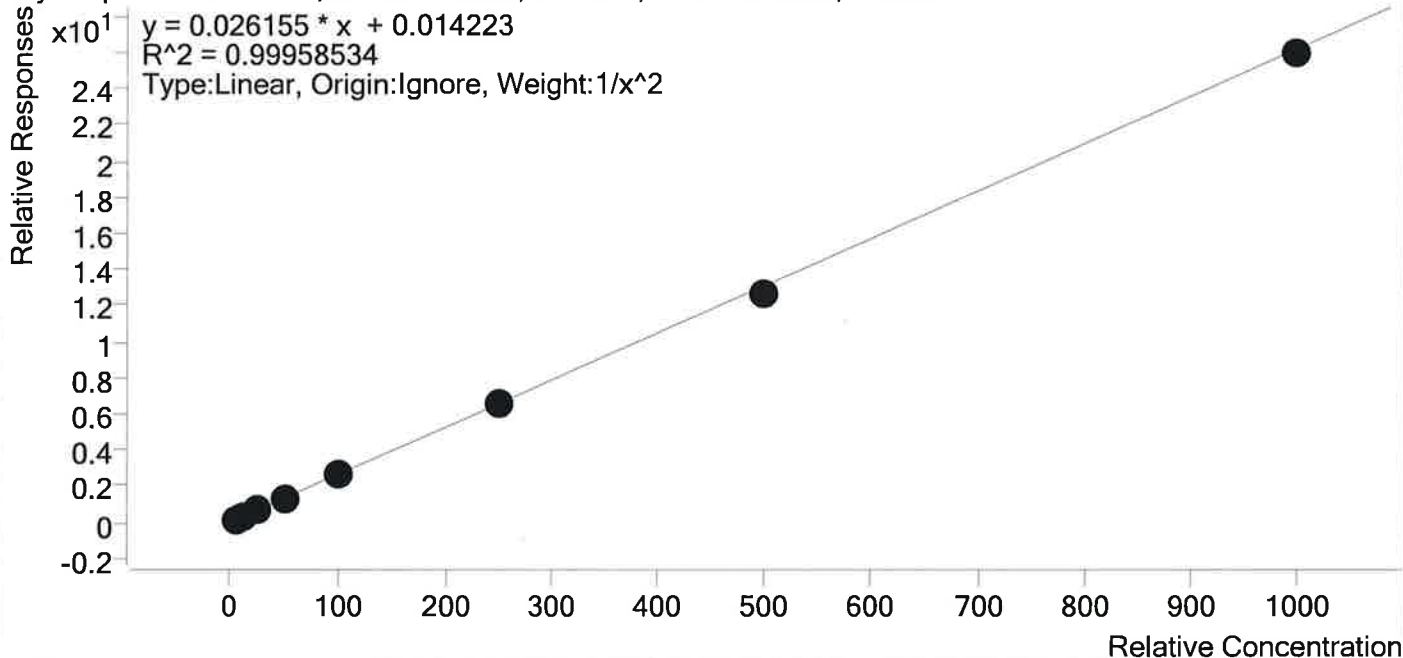
TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\082219 MDQ TS MDS SP\QuantResults\MDQ wklst 365
 TS.batch.bin
Last Cal. Update 8/26/2019 9:26 AM
Analyst Name ISP\datastor
Analyte Oxymorphone **Internal Standard** Oxymorphone-D3

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



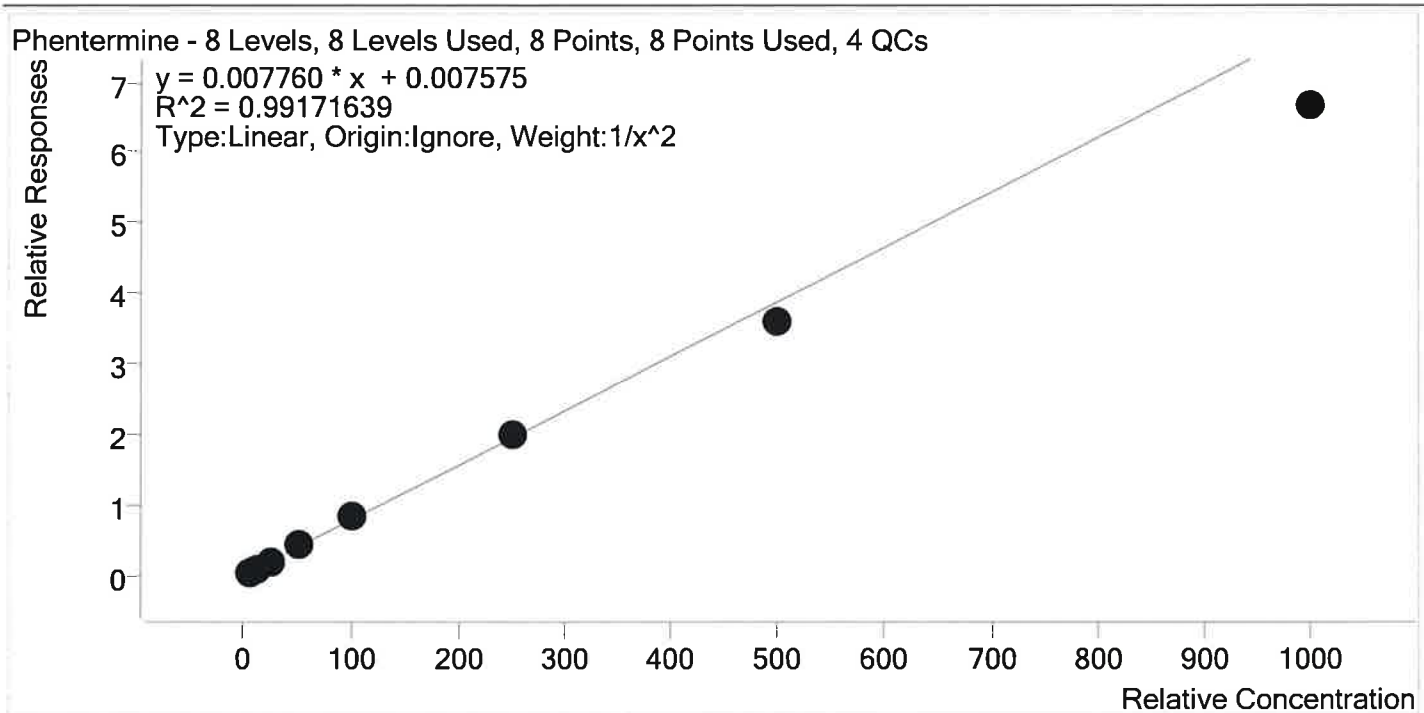
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 4.9 | 98.6 |
| p1 Cal 2- 10ng | 2 | ✓ | 10.0 | 10.2 | 102.3 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 25.1 | 100.5 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 50.7 | 101.3 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 101.7 | 101.7 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 248.3 | 99.3 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 485.6 | 97.1 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 991.5 | 99.1 |

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\082219 MDQ TS MDS SP\QuantResults\MDQ wklist 365
 TS.batch.bin
Last Cal. Update 8/26/2019 9:26 AM
Analyst Name ISP\datastor
Analyte Phentermine **Internal Standard** Phentermine-D5



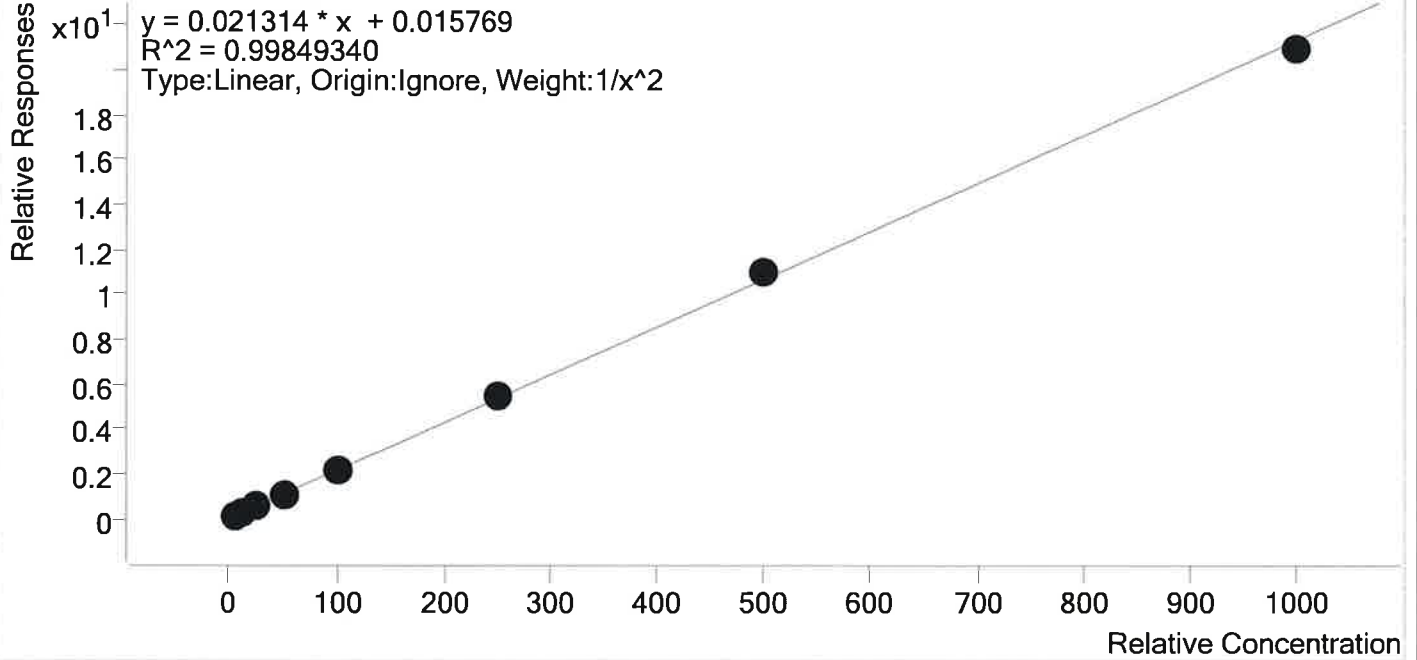
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 4.8 | 95.7 |
| p1 Cal 2- 10ng | 2 | ✓ | 10.0 | 10.4 | 104.3 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 26.3 | 105.1 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 55.0 | 110.1 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 104.6 | 104.6 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 254.0 | 101.6 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 463.7 | 92.7 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 858.7 | 85.9 |



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\082219 MDQ TS MDS SP\QuantResults\MDQ wklist 365
 TS.batch.bin
Last Cal. Update 8/26/2019 9:26 AM
Analyst Name ISP\datastor
Analyte Promethazine **Internal Standard** Promethazine-D3

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



| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 5.1 | 102.9 |
| p1 Cal 2- 10ng | 2 | ✓ | 10.0 | 9.6 | 95.9 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 23.7 | 94.8 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 50.4 | 100.7 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 100.9 | 100.9 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 257.8 | 103.1 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 517.6 | 103.5 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 981.4 | 98.1 |

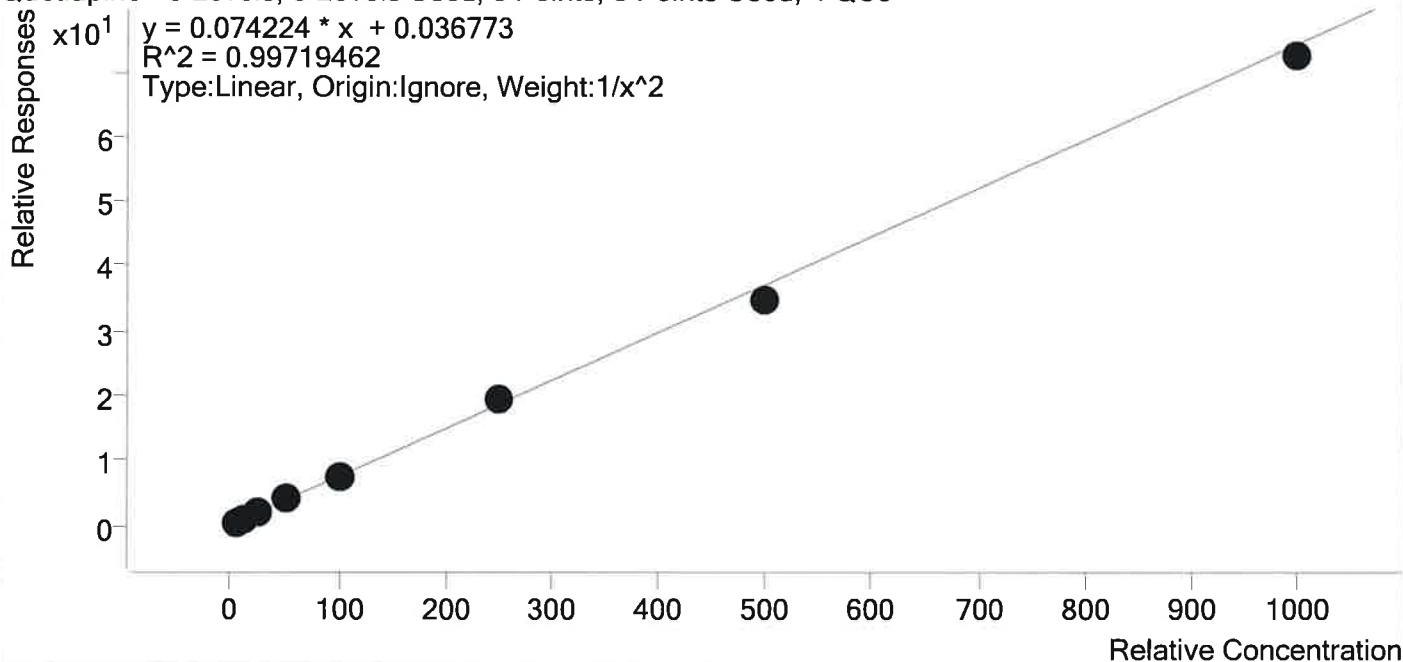
TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\082219 MDQ TS MDS SP\QuantResults\MDQ wklist 365
 TS.batch.bin
Last Cal. Update 8/26/2019 9:26 AM
Analyst Name ISP\datastor
Analyte Quetiapine **Internal Standard** Quetiapine-D8

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



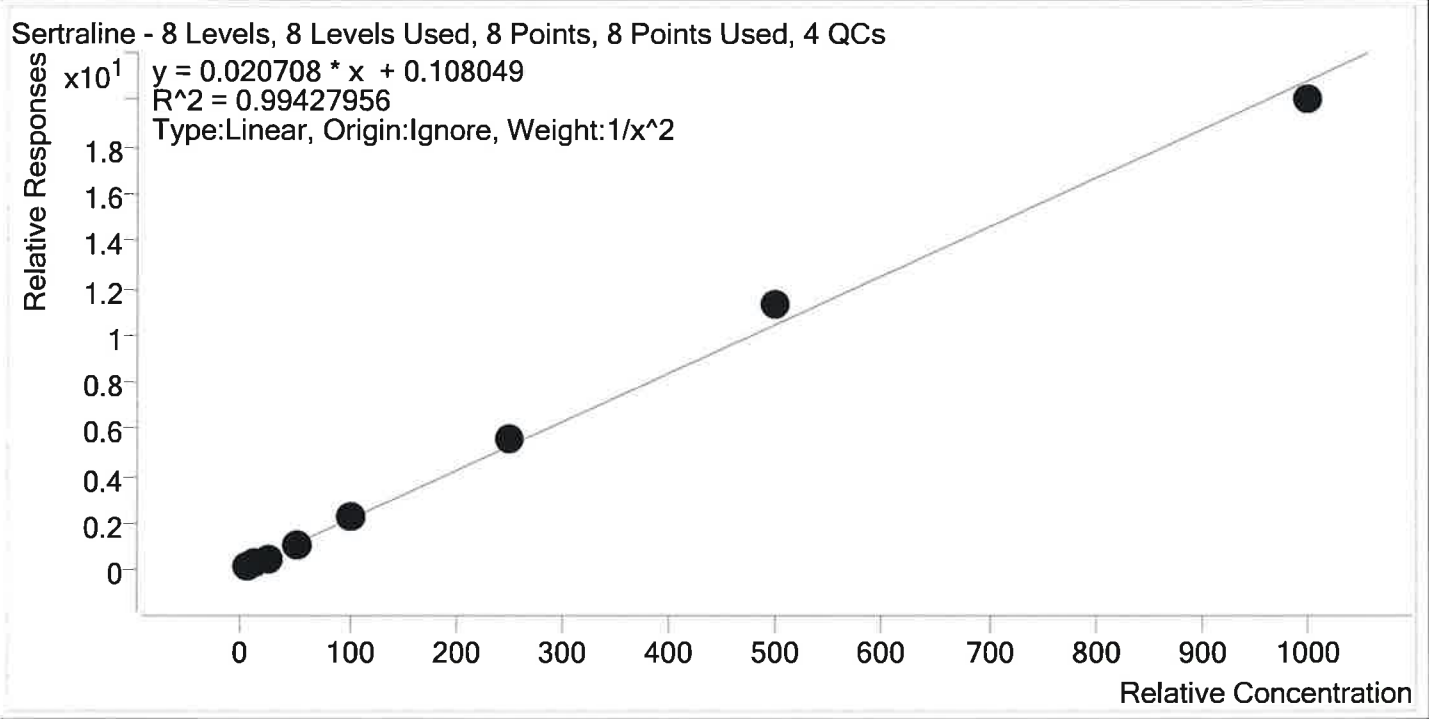
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 4.8 | 96.4 |
| p1 Cal 2- 10ng | 2 | ✓ | 10.0 | 10.6 | 106.3 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 25.1 | 100.4 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 52.5 | 105.0 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 97.5 | 97.5 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 259.0 | 103.6 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 466.1 | 93.2 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 975.9 | 97.6 |

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\082219 MDQ TS MDS SP\QuantResults\MDQ wk1st 365
 TS.batch.bin
Last Cal. Update 8/26/2019 9:26 AM
Analyst Name ISP\datastor
Analyte Sertraline **Internal Standard** Sertraline-D3



| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 5.2 | 103.3 |
| p1 Cal 2- 10ng | 2 | ✓ | 10.0 | 9.8 | 98.1 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 21.7 | 86.6 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 50.0 | 100.0 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 102.6 | 102.6 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 263.5 | 105.4 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 538.6 | 107.7 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 962.5 | 96.3 |

*Compound not evaluated - TS

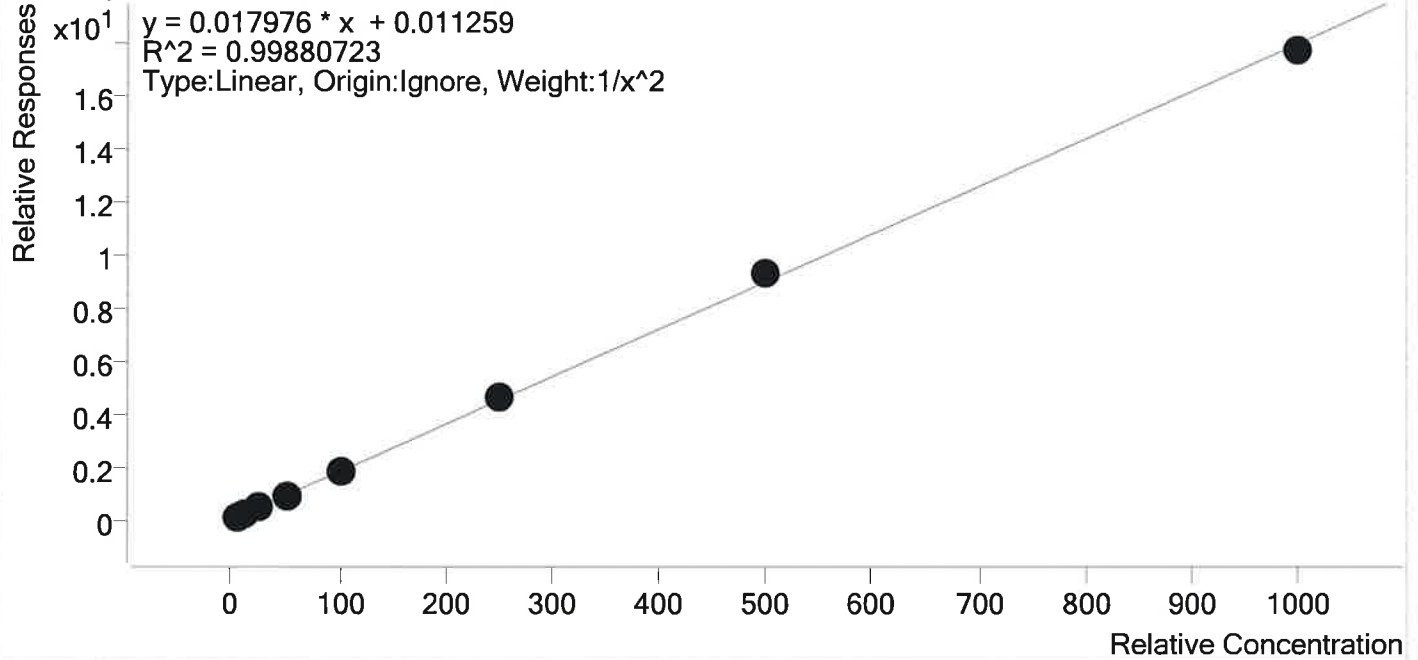
TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\082219 MDQ TS MDS SP\QuantResults\MDQ wklist 365
 TS.batch.bin
Last Cal. Update 8/26/2019 9:26 AM
Analyst Name ISP\datastor
Analyte Temazepam **Internal Standard** Temazepam-D5

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



| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 5.1 | 102.8 |
| p1 Cal 2- 10ng | 2 | ✓ | 10.0 | 9.5 | 95.2 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 24.4 | 97.5 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 50.5 | 100.9 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 98.5 | 98.5 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 257.0 | 102.8 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 518.2 | 103.6 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 986.1 | 98.6 |

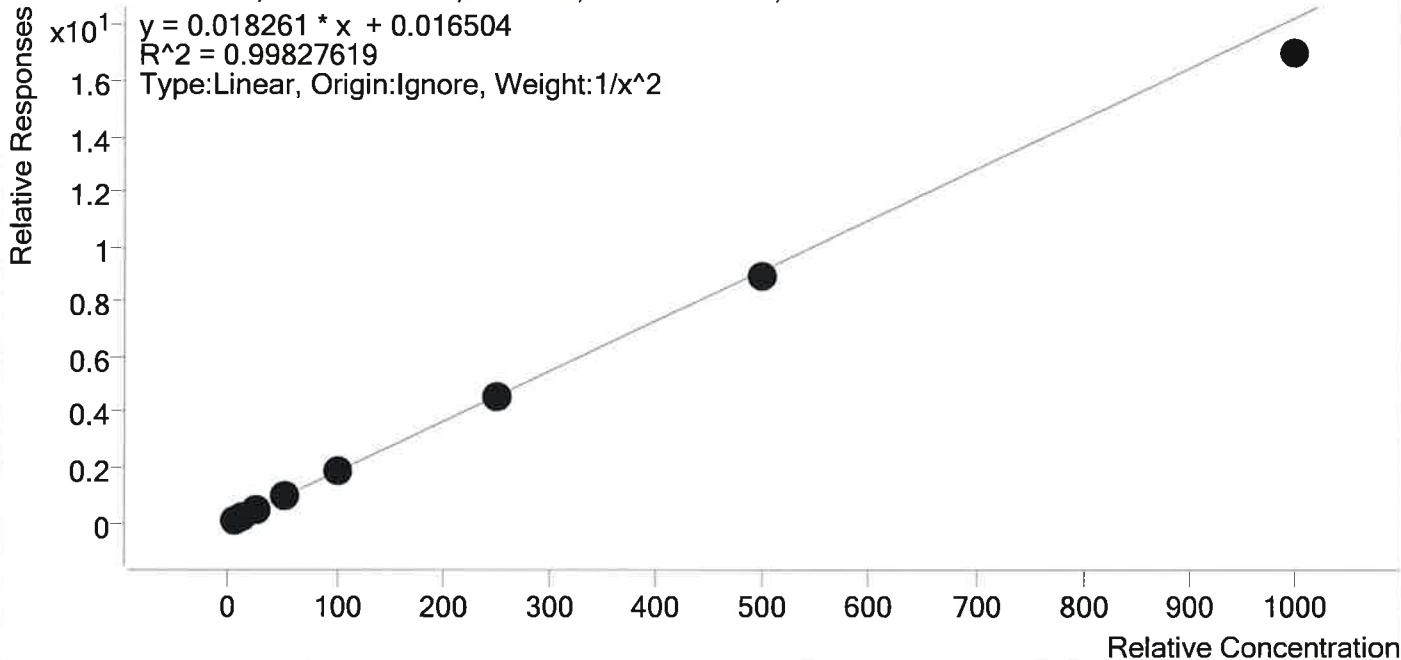
TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\082219 MDQ TS MDS SP\QuantResults\MDQ wklst 365
 TS.batch.bin
Last Cal. Update 8/26/2019 9:26 AM
Analyst Name ISP\datastor
Analyte Tramadol **Internal Standard** Tramadol-13C-D3

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



| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 4.9 | 97.4 |
| p1 Cal 2- 10ng | 2 | ✓ | 10.0 | 10.4 | 103.9 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 25.4 | 101.6 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 51.1 | 102.2 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 102.6 | 102.6 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 253.2 | 101.3 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 489.5 | 97.9 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 930.4 | 93.0 |

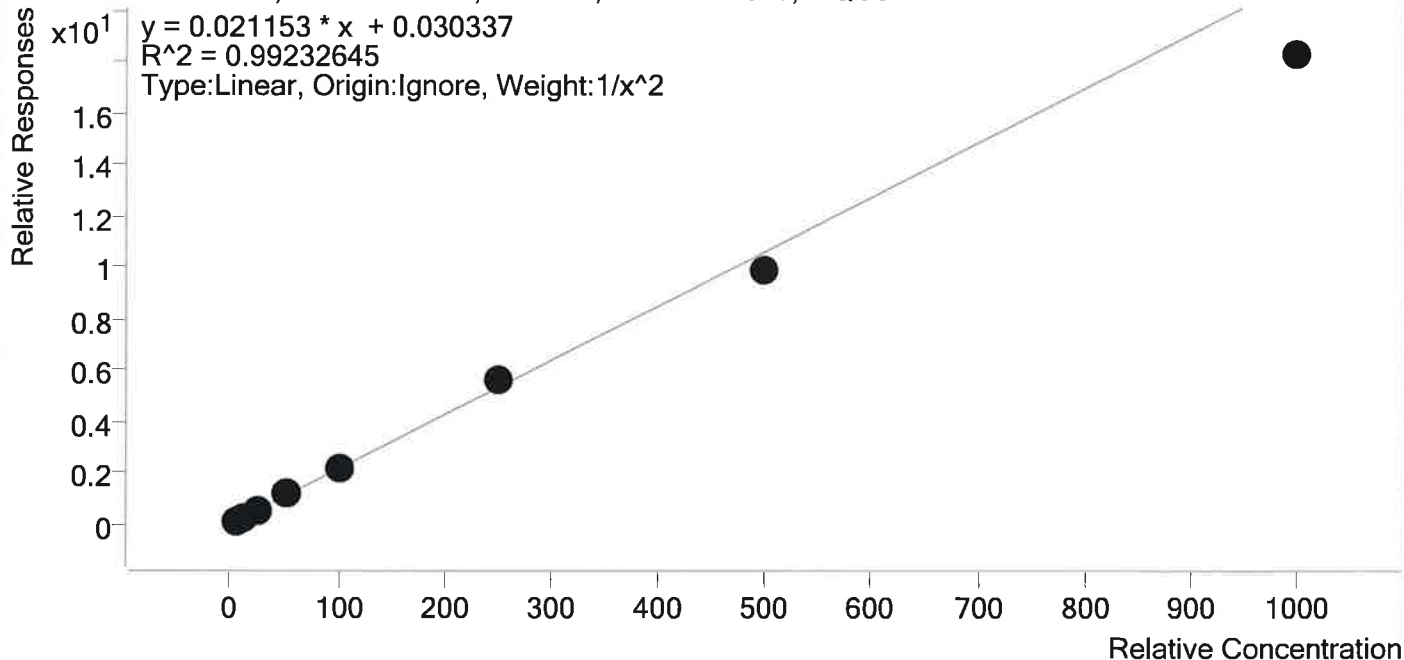
TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\082219 MDQ TS MDS SP\QuantResults\MDQ wklist 365
 TS.batch.bin
Last Cal. Update 8/26/2019 9:26 AM
Analyst Name ISP\datastor
Analyte Trazodone **Internal Standard** Trazodone-D6

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

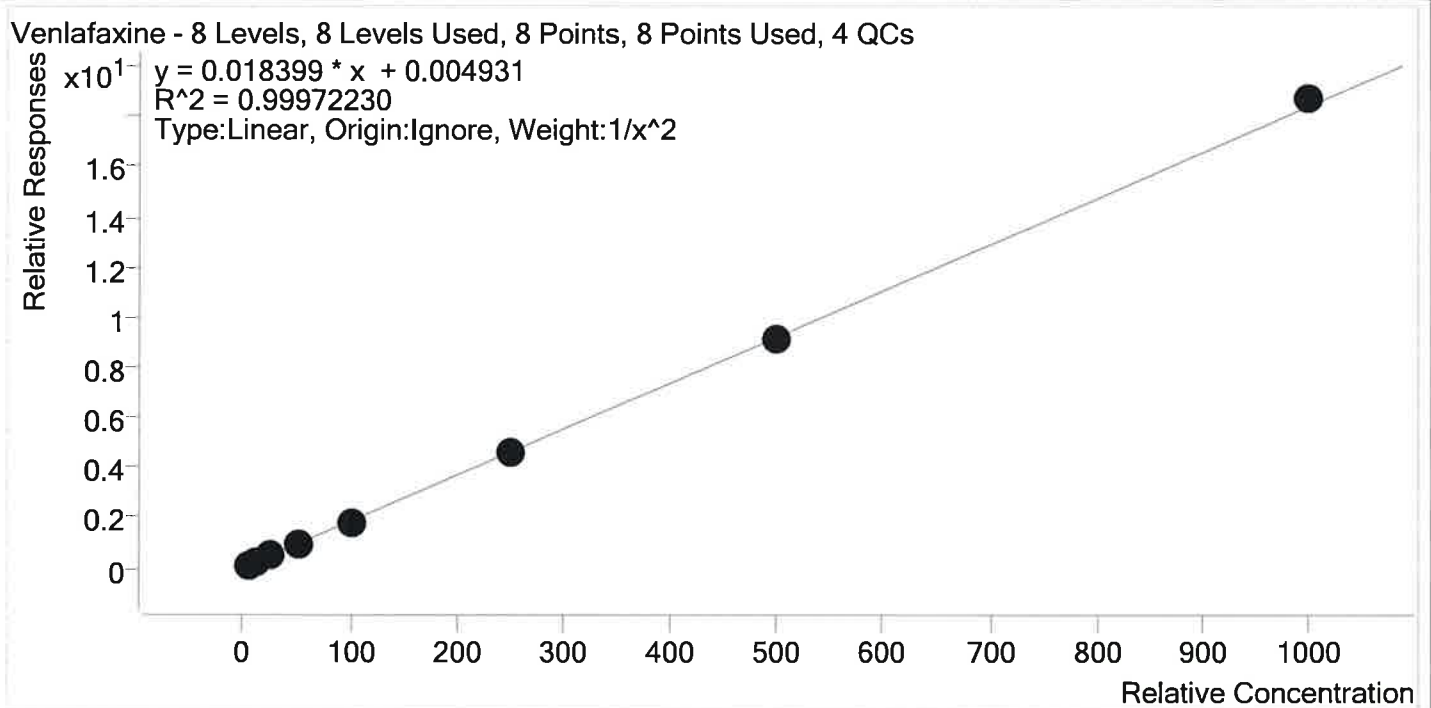


| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 4.8 | 96.1 |
| p1 Cal 2- 10ng | 2 | ✓ | 10.0 | 10.5 | 104.6 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 25.7 | 102.7 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 55.2 | 110.3 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 101.8 | 101.8 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 262.1 | 104.9 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 466.8 | 93.4 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 863.5 | 86.3 |



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\082219 MDQ TS MDS SP\QuantResults\MDQ wklist 365
 TS.batch.bin
Last Cal. Update 8/26/2019 9:26 AM
Analyst Name ISP\datastor
Analyte Venlafaxine **Internal Standard** Venlafaxine-D6

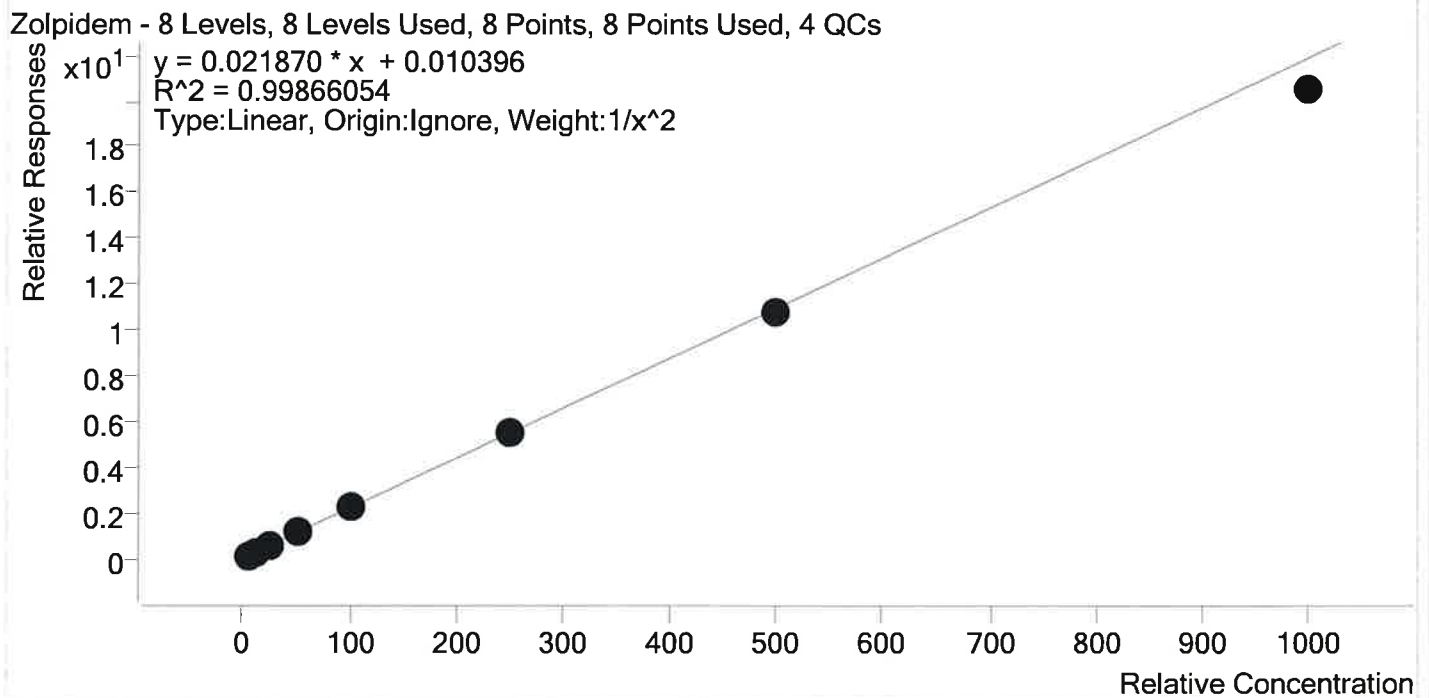


| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 5.0 | 100.1 |
| p1 Cal 2- 10ng | 2 | ✓ | 10.0 | 9.9 | 99.4 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 25.1 | 100.5 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 51.0 | 102.0 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 97.5 | 97.5 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 248.7 | 99.5 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 496.5 | 99.3 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 1017.2 | 101.7 |



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\082219 MDQ TS MDS SP\QuantResults\MDQ wk1st 365
 TS.batch.bin
Last Cal. Update 8/26/2019 9:26 AM
Analyst Name ISP\datastor
Analyte Zolpidem **Internal Standard** Zolpidem-D6



| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 5.0 | 99.3 |
| p1 Cal 2- 10ng | 2 | ✓ | 10.0 | 10.0 | 99.8 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 25.3 | 101.2 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 52.4 | 104.8 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 101.7 | 101.7 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 252.8 | 101.1 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 491.6 | 98.3 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 937.6 | 93.8 |

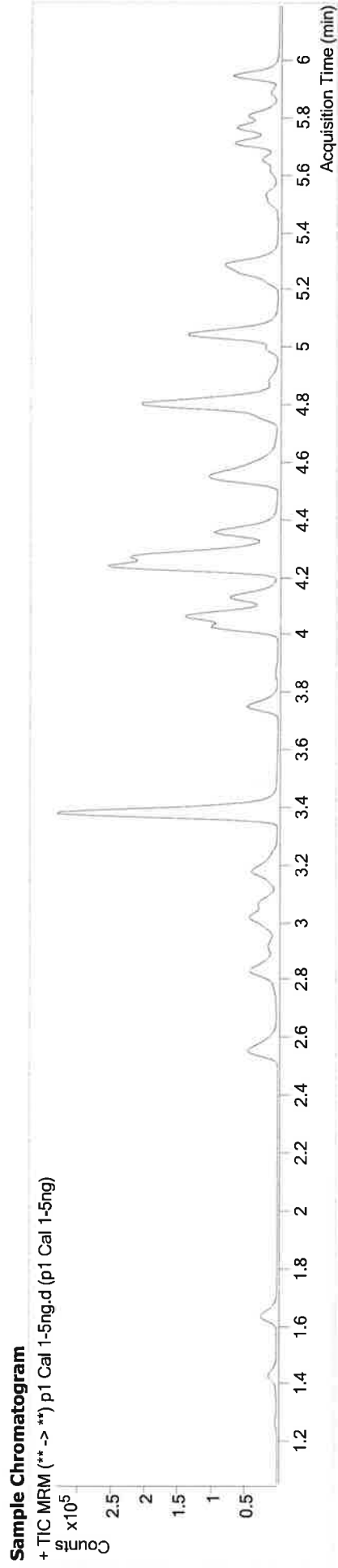
TS



AM #28 Multi-Drug Quant. Results

Batch results Calibration Last Update D:\MassHunter\Data\2019\AM 28\082219 MDQ TS MDS SP\QuantResults\MDQ wk1st 365 TS.batch.bin 8/26/2019 9:26:02 AM

| | | | |
|-------------------------|--------------------------|------------------|----------------|
| Instrument | Falco | Data File | p1 Cal 1-5ng.d |
| Type | Cal | Sample | p1 Cal 1-5ng |
| Acq. Method | MDQ P1 Combined 082219.m | Operator | |
| Sample Position | P1-A1 | Comment | |
| Injection Volume | 1 | | |
| Acq. Date-Time | 8/22/2019 1:24:01 PM | | |
| Sample Info. | | | |



| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|---------------------|-------|-------|----------|-------|----------|------------|--------------|
| 6-MAM | 3.162 | 578 | 334.97 | 69.9 | 1125.38 | 25085 | 0.5204 ng/ml |
| 7-aminoclonazepam | 4.262 | 5947 | 599.45 | 77.9 | 6219.51 | 51023 | 4.7647 ng/ml |
| a-hydroxyalprazolam | 5.697 | 589 | 39.60 | 64.9 | 8263.97 | 6065 | 5.3456 ng/ml |
| alpha-PVP | 4.369 | 22977 | 1060.34 | 50.8 | 651.54 | 199808 | 5.0297 ng/ml |
| Alprazolam | 5.774 | 14505 | 1454.65 | 112.3 | 527.74 | 93409 | 5.1513 ng/ml |
| Amphetamine | 3.074 | 20671 | 390.69 | 52.4 | ∞ | 45784 | 4.6786 ng/ml |
| Benzoyllecgonine | 3.892 | 1325 | 646.14 | 7.2 | 20.51 | 7199 | 4.9576 ng/ml |
| Bupropion | 4.783 | 11935 | 994.52 | 59.1 | 188.76 | 78187 | 4.9845 ng/ml |
| Carisoprodol | 5.723 | 11125 | ∞ | 59.6 | 61.03 | 101499 | 4.9847 ng/ml |
| Citalopram | 5.233 | 4733 | 462.45 | 43.1 | 9052.16 | 40099 | 5.0265 ng/ml |
| Clonazepam | 5.611 | 1814 | 2729.92 | 39.0 | 2639.39 | 6592 | 4.9007 ng/ml |
| Cocaine | 4.275 | 24664 | 34357.36 | 49.4 | 51157.00 | 402233 | 5.0325 ng/ml |
| Codeine | 2.610 | 3765 | 6557.15 | 105.4 | 1690.71 | 32397 | 4.9894 ng/ml |
| Cyclobenzaprine | 5.627 | 2058 | 3053.07 | 11.6 | 25.91 | 12865 | 5.2469 ng/ml |
| Dextromethorphan | 5.276 | 2285 | 333.52 | 82.3 | 135.71 | 17299 | 5.0076 ng/ml |
| Dextropropriphan | 4.138 | 5859 | 24389.31 | 210.7 | 581.20 | 145315 | 5.0912 ng/ml |
| Diazepam | 5.958 | 13379 | 687.39 | 86.6 | 643.92 | 116377 | 4.9704 ng/ml |
| Dihydrocodeine | 2.589 | 10298 | 6274.85 | 67.2 | 1505.04 | 109766 | 4.7986 ng/ml |

TS



AM #28 Multi-Drug Quant. Results

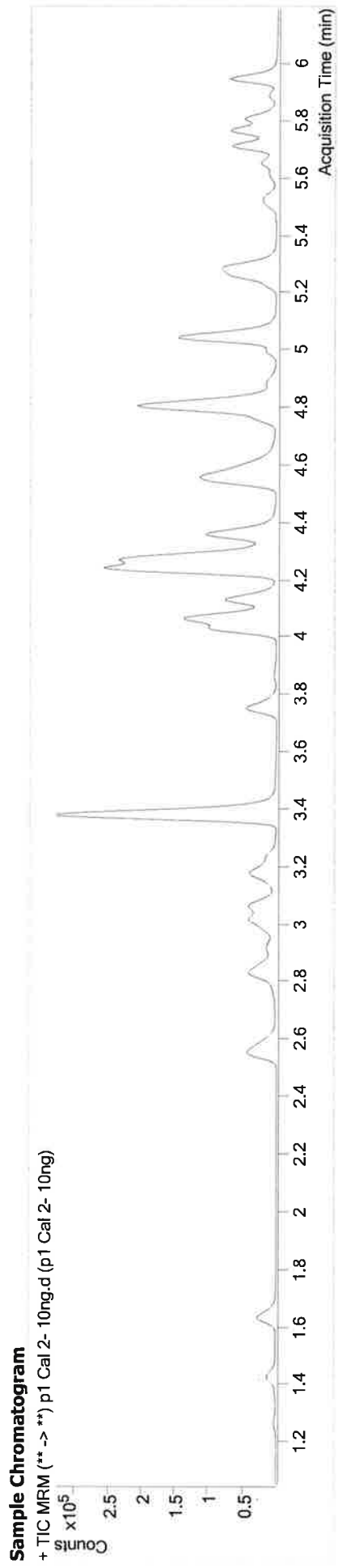
| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|----------------------|-------|-------|---------|-------|----------|------------|--------------|
| Diphenhydramine | 5.297 | 11357 | 290.75 | 31.7 | 714.61 | 129470 | 5.0938 ng/ml |
| Doxylamine | 4.571 | 41851 | 1875.64 | 98.1 | 1312.21 | 342869 | 5.0429 ng/ml |
| EDDP | 5.268 | 9494 | 1107.33 | 42.0 | 13126.46 | 101785 | 5.0007 ng/ml |
| Fentanyl | 5.076 | 171 | 11.30 | 92.9 | 2575.73 | 17862 | 0.5483 ng/ml |
| Fluoxetine | 5.719 | 2515 | 126.12 | 9.7 | 15.65 | 12554 | 5.0676 ng/ml |
| Hydrocodone | 3.051 | 8376 | 148.33 | 36.7 | 80.63 | 98996 | 4.9621 ng/ml |
| Hydromorphone | 1.648 | 8007 | 75.11 | 76.1 | 214.59 | 57685 | 4.9705 ng/ml |
| Ketamine | 4.044 | 25597 | 964.31 | 37.2 | 130.33 | 217741 | 4.9103 ng/ml |
| Lamotrigine | 4.286 | 2557 | 583.79 | 83.6 | 584.94 | 217741 | 4.8432 ng/ml |
| Meprobamate | 4.913 | 2675 | 1692.26 | 31.9 | 28.46 | 26354 | 5.0904 ng/ml |
| Methadone | 5.658 | 4597 | 167.15 | 59.7 | 5183.68 | 37364 | 5.2102 ng/ml |
| Methamphetamine | 3.240 | 10666 | ∞ | 39.7 | 15.64 | 91450 | 4.9383 ng/ml |
| Metoprolol | 4.331 | 5449 | ∞ | 88.6 | 452.15 | 535477 | 4.9256 ng/ml |
| Mirtazapine | 4.606 | 11777 | 2151.24 | 51.5 | 397.68 | 199808 | 5.1833 ng/ml |
| Mitragynine | 5.204 | 609 | 876.15 | 44.0 | 518.63 | 37364 | 5.2570 ng/ml |
| Morphine | 1.273 | 1959 | 1002.61 | 21.0 | 316.51 | 4881 | 4.9127 ng/ml |
| Nordiazepam | 5.898 | 2554 | 847.81 | 59.1 | 255.92 | 15938 | 5.1049 ng/ml |
| Norfentanyl | 4.093 | 3476 | 364.97 | 33.0 | 32.33 | 305027 | 0.5111 ng/ml |
| Norhydrocodone | 3.098 | 353 | 41.05 | 20.5 | 89.91 | 26437 | 5.3431 ng/ml |
| Noroxycodone | 2.942 | 5432 | 106.01 | 46.8 | 98.26 | 30705 | 4.9798 ng/ml |
| O-desmethyl-tramadol | 3.388 | 72037 | 1264.56 | 6.7 | 102.65 | 749392 | 5.0249 ng/ml |
| Oxycodone | 2.867 | 15497 | 33.29 | 29.3 | 49.97 | 131765 | 4.9146 ng/ml |
| Oxymorphone | 1.430 | 4760 | 354.51 | 45.3 | 168.52 | 33257 | 4.9282 ng/ml |
| Phentermine | 3.790 | 5285 | 105.56 | 3.2 | 18.60 | 118223 | 4.7851 ng/ml |
| Promethazine | 5.545 | 2886 | 131.48 | 35.5 | 41.37 | 23011 | 5.1445 ng/ml |
| Quetiapine | 5.521 | 9238 | 213.53 | 59.5 | 34092.58 | 23413 | 4.8204 ng/ml |
| Sertraline | 5.788 | 1480 | 27.17 | 93.1 | 280.71 | 6882 | 5.1663 ng/ml |
| Temazepam | 5.822 | 7420 | 70.98 | 29.4 | 18.73 | 71592 | 5.1396 ng/ml |
| Tramadol | 4.251 | 56458 | 3171.10 | 3.1 | 71.12 | 535477 | 4.8699 ng/ml |
| Trazodone | 5.043 | 6106 | ∞ | 79.3 | 128.15 | 46276 | 4.8032 ng/ml |
| Venlafaxine | 5.052 | 27212 | 758.17 | 33.3 | 151.74 | 280390 | 5.0066 ng/ml |
| Zolpidem | 4.821 | 57068 | ∞ | 31.7 | 641.36 | 479544 | 4.9661 ng/ml |



AM #28 Multi-Drug Quant. Results

Batch results Calibration Last Update D:\MassHunter\Data\2019\AM 28\082219 MDQ TS MDS SP\QuantResults\MDQ wkst 365 TS.batch.bin
 8/26/2019 9:26:02 AM

| | | | |
|-------------------------|--------------------------|------------------|------------------|
| Instrument | Falco | Data File | p1 Cal 2- 10ng.d |
| Type | Cal | Sample | p1 Cal 2- 10ng |
| Acq. Method | MDQ P1 Combined 082219.m | Operator | |
| Sample Position | P1-B1 | Comment | |
| Injection Volume | 1 | | |
| Acq. Date-Time | 8/22/2019 1:34:38 PM | | |



| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|----------------------|-------|-------|----------|-------|---------|------------|---------------|
| 6-MAM | 3.156 | 1018 | 7360.05 | 69.4 | 222.53 | 22961 | 1.0266 ng/ml |
| 7-aminoclonazepam | 4.262 | 11383 | 82.30 | 82.6 | 5511.43 | 47618 | 10.5635 ng/ml |
| a-hydroxyvalprazolam | 5.697 | 903 | 115.15 | 94.7 | ∞ | 6166 | 8.8149 ng/ml |
| alpha-PVP | 4.369 | 42774 | 6037.63 | 49.8 | 979.29 | 190978 | 9.9101 ng/ml |
| Alprazolam | 5.774 | 24829 | 470.45 | 112.5 | ∞ | 85012 | 9.6101 ng/ml |
| Amphetamine | 3.074 | 38725 | 287.14 | 51.3 | 1167.02 | 44711 | 10.5989 ng/ml |
| Benzoylcegonine | 3.892 | 1875 | 76.20 | 7.8 | 95.02 | 6387 | 10.1454 ng/ml |
| Bupropion | 4.783 | 20886 | 2956.38 | 60.4 | 447.21 | 70577 | 10.0190 ng/ml |
| Carisoprodol | 5.723 | 19884 | 3276.85 | 55.7 | 89.12 | 91563 | 10.1460 ng/ml |
| Citalopram | 5.233 | 7533 | 241.81 | 43.1 | 6698.19 | 34190 | 9.8892 ng/ml |
| Clonazepam | 5.611 | 3361 | 392.72 | 30.0 | 8193.57 | 5962 | 10.2848 ng/ml |
| Cocaine | 4.275 | 44847 | 11366.02 | 47.2 | 615.08 | 372808 | 9.9759 ng/ml |
| Codeine | 2.610 | 6524 | 543.62 | 104.6 | 5980.42 | 29987 | 9.8992 ng/ml |
| Cyclobenzaprine | 5.627 | 2221 | 7816.03 | 12.5 | 45.83 | 9294 | 9.2069 ng/ml |
| Dextromethorphan | 5.276 | 3344 | 11689.91 | 78.5 | 134.85 | 14123 | 10.0265 ng/ml |
| Dextropropfan | 4.138 | 10384 | 37499.85 | 215.3 | 332.04 | 139731 | 9.6316 ng/ml |
| Diazepam | 5.958 | 22288 | 2052.88 | 88.8 | 643.26 | 102654 | 10.0658 ng/ml |
| Dihydrocodeine | 2.589 | 18516 | 13301.05 | 68.0 | 3294.04 | 102159 | 10.2707 ng/ml |

TS



AM #28 Multi-Drug Quant. Results

| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|----------------------|-------|--------|----------|-------------------|-----------------|------------|---------------|
| Diphenhydramine | 5.297 | 17602 | 1501.06 | 32.5 | 866.96 | 113155 | 9.6955 ng/ml |
| Doxylamine | 4.571 | 76444 | 5586.92 | 97.2 | ∞ | 325871 | 9.8696 ng/ml |
| EDDP | 5.268 | 20092 | 2387.81 | 42.4 | 327.79 | 108661 | 9.9777 ng/ml |
| Fentanyl | 5.070 | 272 | 38.02 | 85.4 | 397.61 | 12787 | 1.2057 ng/ml |
| Fluoxetine | 5.713 | 2602 | 97.36 | 6.7 | ∞ | 8490 | 9.6223 ng/ml |
| Hydrocodone | 3.051 | 15044 | 161.14 | 36.1 | 325.37 | 94774 | 9.9183 ng/ml |
| Hydromorphone | 1.641 | 14687 | 925.59 | 74.3 | 281.78 | 53366 | 10.0836 ng/ml |
| Ketamine | 4.044 | 45423 | ∞ | 36.3 | 319.50 | 197155 | 10.1763 ng/ml |
| Lamotrigine | 4.293 | 4556 | 849.94 | 82.8 | 695.31 | 197155 | 10.2302 ng/ml |
| Lorazepam | 5.752 | 740 | 12.49 | 52.2 | 8.85 Low | 5962 | 9.6276 ng/ml |
| Meprobamate | 4.913 | 4622 | 135.31 | 27.2 | 118.88 | 25277 | 9.5486 ng/ml |
| Methadone | 5.658 | 6454 | 1484.76 | 61.0 | 554.61 | 31816 | 9.1764 ng/ml |
| Methamphetamine | 3.240 | 20148 | 209.03 | 39.0 | 96.15 | 92367 | 10.1494 ng/ml |
| Metoprolol | 4.331 | 9653 | 593.22 | 94.7 | ∞ | 496232 | 10.0549 ng/ml |
| Mirtazapine | 4.606 | 19759 | 4311.09 | 51.3 | 470.03 | 190978 | 9.4589 ng/ml |
| Mitragynine | 5.211 | 946 | 2642.34 | 37.7 | 1248.31 | 31816 | 9.2208 ng/ml |
| Morphine | 1.273 | 3544 | ∞ | 20.1 | 1258.84 | 4489 | 10.3257 ng/ml |
| Nordiazepam | 5.898 | 4156 | 12859.62 | 59.6 | ∞ | 14213 | 9.4680 ng/ml |
| Norfentanyl | 4.093 | 6181 | 513.41 | 35.3 | 77.74 | 285943 | 0.9719 ng/ml |
| Norhydrocodone | 3.092 | 582 | 91.03 | 20.9 | ∞ | 24969 | 8.9332 ng/ml |
| Noroxycodone | 2.935 | 9494 | 152.88 | 49.3 | 119.68 | 28328 | 9.9443 ng/ml |
| O-desmethyl-tramadol | 3.388 | 127641 | 1414.70 | 6.6 | 473.52 | 690634 | 9.9337 ng/ml |
| Oxazepam | 5.755 | 1090 | 23.30 | 124.4 High | 9.59 Low | 6828 | 9.4013 ng/ml |
| Oxycodone | 2.860 | 27651 | ∞ | 29.9 | 122.50 | 121551 | 10.3664 ng/ml |
| Oxymorphone | 1.430 | 8661 | 711.19 | 47.0 | 233.67 | 30726 | 10.2335 ng/ml |
| Phentermine | 3.790 | 10108 | 232.21 | 2.5 | 18.46 | 114185 | 10.4315 ng/ml |
| Promethazine | 5.545 | 3750 | 407.27 | 33.4 | 51.83 | 17031 | 9.5900 ng/ml |
| Quetiapine | 5.521 | 15456 | 8481.19 | 56.4 | 108102.07 | 18720 | 10.6280 ng/ml |
| Sertraline | 5.781 | 1330 | 20.44 | 88.3 | 44.78 | 4273 | 9.8114 ng/ml |
| Temazepam | 5.815 | 12084 | 83.33 | 29.4 | 14.26 | 66248 | 9.5212 ng/ml |
| Tramadol | 4.251 | 102360 | 2889.46 | 3.6 | 125.96 | 496232 | 10.3918 ng/ml |
| Trazodone | 5.043 | 9571 | ∞ | 73.3 | 3724.92 | 38028 | 10.4640 ng/ml |
| Venlafaxine | 5.052 | 50291 | 1049.21 | 34.5 | 202.37 | 267753 | 9.9402 ng/ml |
| Zolpidem | 4.821 | 100969 | 11895.54 | 32.1 | 6121.53 | 441541 | 9.9808 ng/ml |

25



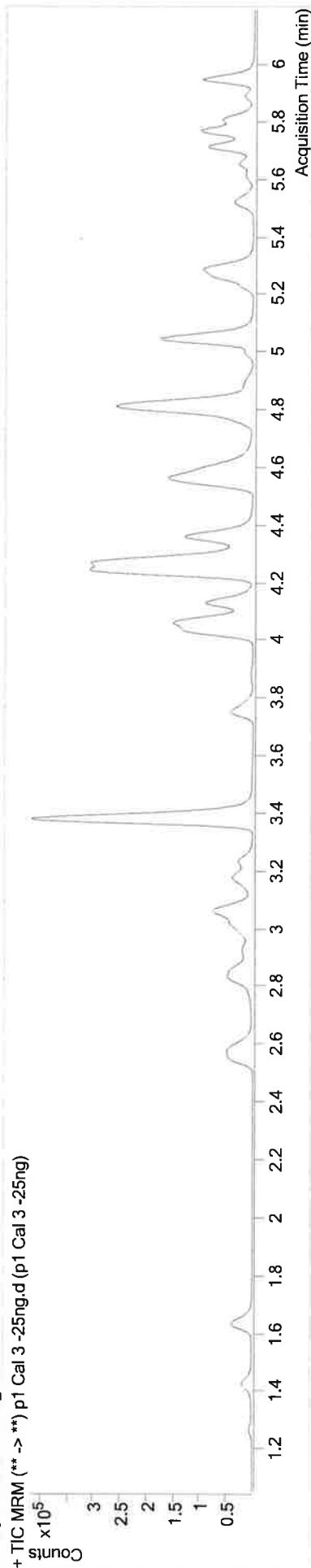
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2019\AM 28\082219 MDQ TS MDS SP\QuantResults\MDQ wk1st 365 TS.batch.bin
Calibration Last Update 8/26/2019 9:26:02 AM

Instrument Falco
Type Cal
Acq. Method MDQ P1 Combined 082219.m
Sample Position P1-C1
Injection Volume 1
Acq. Date-Time 8/22/2019 1:45:04 PM
Sample Info.

Data File
Sample p1 Cal 3 -25ng.d
Operator p1 Cal 3 -25ng
Comment

Sample Chromatogram



| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|---------------------|-------|--------|-----------|-------|----------|------------|---------------|
| 6-MAM | 3.156 | 2566 | ∞ | 69.9 | 6620.83 | 24203 | 2.4917 ng/ml |
| 7-aminoclonazepam | 4.262 | 29192 | 190.84 | 79.2 | 34870.88 | 50595 | 26.5582 ng/ml |
| a-hydroxyalprazolam | 5.697 | 2131 | 309.91 | 88.8 | 269.16 | 5955 | 23.7097 ng/ml |
| alpha-PVP | 4.369 | 97247 | 19136.27 | 49.6 | 1902.98 | 174813 | 24.7917 ng/ml |
| Alprazolam | 5.774 | 60392 | 4663.29 | 111.8 | 1187.50 | 81897 | 24.1286 ng/ml |
| Amphetamine | 3.067 | 90889 | 2267.96 | 52.5 | 981.88 | 44062 | 27.6849 ng/ml |
| Benzoyllecgonine | 3.892 | 3873 | 1201.45 | 6.9 | 39.13 | 6280 | 25.4548 ng/ml |
| Buprenorphine | 5.662 | 301 | 329.35 | 13.1 | 70.86 | 3609 | 2.4619 ng/ml |
| Bupropion | 4.783 | 48037 | 1737.76 | 59.8 | 2375.76 | 66873 | 24.8620 ng/ml |
| Carisoprodol | 5.723 | 47101 | ∞ | 57.1 | 255.29 | 92589 | 24.1359 ng/ml |
| Citalopram | 5.233 | 17665 | 492.76 | 40.4 | 639.30 | 32927 | 24.9147 ng/ml |
| Clonazepam | 5.611 | 8485 | 357.78 | 33.2 | 6078.82 | 6335 | 24.7550 ng/ml |
| Cocaine | 4.275 | 107496 | 641.79 | 47.2 | 1475.46 | 366039 | 24.5079 ng/ml |
| Codeine | 2.604 | 16318 | 601.93 | 106.0 | ∞ | 30496 | 25.2833 ng/ml |
| Cyclobenzaprine | 5.627 | 4216 | 5465.91 | 10.5 | 19.57 | 7805 | 24.3143 ng/ml |
| Dextromethorphan | 5.276 | 7491 | 305.42 | 82.1 | 806.34 | 13889 | 24.5415 ng/ml |
| Dextroproprian | 4.138 | 24695 | 149475.32 | 211.5 | 1845.30 | 131525 | 24.7824 ng/ml |
| Diazepam | 5.958 | 52997 | 3079.51 | 91.7 | 2867.47 | 102946 | 24.9129 ng/ml |

TS



AM #28 Multi-Drug Quant. Results

| Name | RT | Resp. | S/N | Ratio | S/N | S/N | ISTD Resp. | Final Conc. |
|----------------------|-------|--------|----------|-------|----------|----------|------------|---------------|
| Dihydrocodeine | 2.589 | 46633 | 12081.30 | 67.5 | ∞ | ∞ | 103036 | 27.2538 ng/ml |
| Diphenhydramine | 5.297 | 41094 | 2945.46 | 31.7 | 236.19 | 236.19 | 109794 | 24.5317 ng/ml |
| Doxylamine | 4.571 | 181079 | 6689.71 | 97.0 | 6886.92 | 6886.92 | 312095 | 24.6951 ng/ml |
| EDDP | 5.268 | 41115 | 537.84 | 40.4 | 2893.37 | 2893.37 | 90061 | 24.7299 ng/ml |
| Fentanyl | 5.076 | 532 | 290.12 | 82.5 | ∞ | ∞ | 13167 | 2.2754 ng/ml |
| Fluoxetine | 5.713 | 5101 | 1782.44 | 8.8 | 2984.61 | 2984.61 | 7456 | 25.8322 ng/ml |
| Hydrocodone | 3.051 | 37818 | 1339.87 | 35.9 | 174.96 | 174.96 | 94070 | 26.1844 ng/ml |
| Hydromorphone | 1.641 | 36359 | 932.87 | 74.4 | 605.45 | 605.45 | 53376 | 25.3009 ng/ml |
| Ketamine | 4.044 | 111417 | 3449.94 | 36.9 | 920.45 | 920.45 | 197923 | 25.6959 ng/ml |
| Lamotrigine | 4.293 | 11384 | 874.29 | 86.7 | 710.90 | 710.90 | 197923 | 26.5366 ng/ml |
| Lorazepam | 5.745 | 2136 | ∞ | 52.4 | 15.38 | 15.38 | 6335 | 26.4426 ng/ml |
| Meprobamate | 4.913 | 11432 | 65.23 | 29.2 | 127.99 | 127.99 | 25104 | 24.4813 ng/ml |
| Methadone | 5.658 | 14732 | 3001.28 | 58.5 | 665.24 | 665.24 | 28655 | 24.6388 ng/ml |
| Methamphetamine | 3.240 | 43804 | 585.81 | 39.1 | 146.06 | 146.06 | 86329 | 25.0025 ng/ml |
| Metoprolol | 4.331 | 23083 | 68109.92 | 93.3 | 791.51 | 791.51 | 491941 | 25.2414 ng/ml |
| Mirtazapine | 4.606 | 47312 | 25320.53 | 51.7 | 3189.10 | 3189.10 | 174813 | 25.5146 ng/ml |
| Mitragynine | 5.211 | 2235 | 4339.84 | 35.8 | ∞ | ∞ | 28655 | 23.4769 ng/ml |
| Morphine | 1.273 | 8617 | 6538.08 | 20.5 | 728.83 | 728.83 | 4643 | 25.1972 ng/ml |
| Nordiazepam | 5.898 | 11324 | 786.40 | 54.3 | 334.47 | 334.47 | 14473 | 25.6483 ng/ml |
| Norfentanyl | 4.093 | 14912 | 320.42 | 36.6 | 232.67 | 232.67 | 276690 | 2.4270 ng/ml |
| Norhydrocodone | 3.092 | 1636 | 88.96 | 18.2 | 35.28 | 35.28 | 25613 | 23.5548 ng/ml |
| Noroxycodone | 2.935 | 23567 | ∞ | 47.5 | 263.81 | 263.81 | 28869 | 25.0418 ng/ml |
| O-desmethyl-tramadol | 3.388 | 321426 | 11854.65 | 6.6 | 3448.12 | 3448.12 | 710457 | 24.7450 ng/ml |
| Oxazepam | 5.755 | 2548 | 38.58 | 76.6 | 5.23 | 5.23 | 6494 | 24.6106 ng/ml |
| Oxycodone | 2.860 | 66172 | 291.99 | 31.7 | 362.01 | 362.01 | 128872 | 24.5560 ng/ml |
| Oxymorphone | 1.430 | 21259 | 440.65 | 47.3 | 234.51 | 234.51 | 31670 | 25.1207 ng/ml |
| Phentermine | 3.790 | 22695 | 204.32 | 2.5 | 73.82 | 73.82 | 107359 | 26.2663 ng/ml |
| Promethazine | 5.545 | 7825 | 355.40 | 33.6 | 49.18 | 49.18 | 15027 | 23.6909 ng/ml |
| Quetiapine | 5.521 | 37060 | 747.32 | 56.2 | ∞ | ∞ | 19500 | 25.1099 ng/ml |
| Sertraline | 5.781 | 2087 | 56.87 | 103.2 | 154.27 | 154.27 | 3750 | 21.6519 ng/ml |
| Temazepam | 5.815 | 29218 | 379.61 | 29.4 | ∞ | ∞ | 65027 | 24.3687 ng/ml |
| Tramadol | 4.251 | 236304 | 12768.38 | 3.4 | 641.23 | 641.23 | 491941 | 25.4003 ng/ml |
| Trazodone | 5.042 | 22517 | 660.65 | 80.0 | 35794.09 | 35794.09 | 39276 | 25.6674 ng/ml |
| Venlafaxine | 5.052 | 112821 | 32926.59 | 33.0 | 1232.10 | 1232.10 | 241405 | 25.1322 ng/ml |
| Zolpidem | 4.828 | 252449 | 13524.15 | 32.2 | 1173.89 | 1173.89 | 447981 | 25.2921 ng/ml |

75

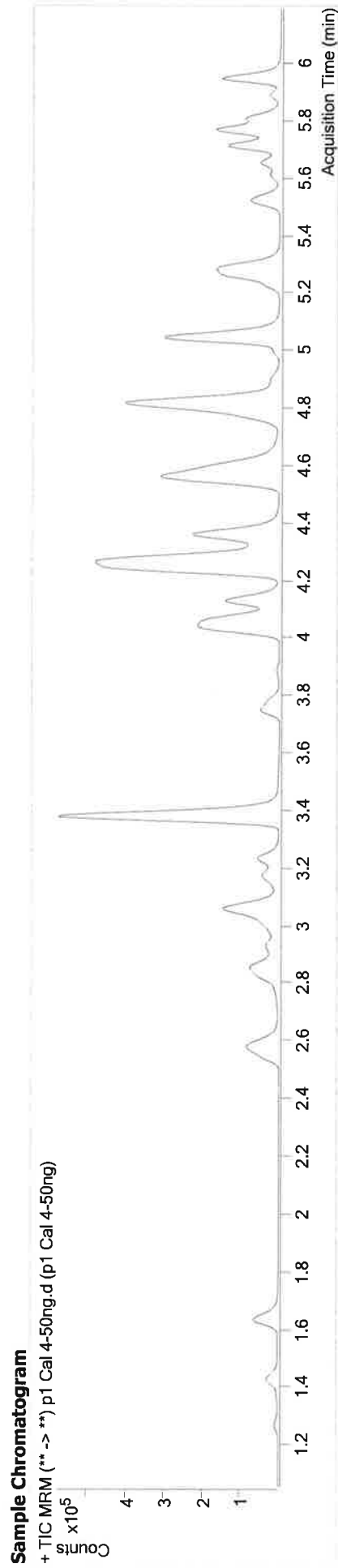


AM #28 Multi-Drug Quant. Results

Batch results
 Calibration Last Update
 D:\MassHunter\Data\2019\AM 28\082219 MDQ TS MDS SP\QuantResults\MDQ wk1st 365 TS.batch.bin
 8/26/2019 9:26:02 AM

Instrument Falco
Type Cal
Acq. Method MDQ P1 Combined 082219.m
Sample Position P1-D1
Injection Volume 1
Acq. Date-Time 8/22/2019 1:55:30 PM
Sample Info.

Data File
Sample p1 Cal 4-50ng.d
Operator p1 Cal 4-50ng
Comment



| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|---------------------|-------|--------|----------|-------|----------|------------|---------------|
| 6-MAM | 3.156 | 5235 | 1474.14 | 69.9 | 389.72 | 25154 | 4.9173 ng/ml |
| 7-aminoclonazepam | 4.262 | 61352 | 194.31 | 80.5 | 6547.56 | 53221 | 53.8137 ng/ml |
| a-hydroxyalprazolam | 5.697 | 4525 | 100.21 | 85.2 | 95.96 | 6245 | 49.5349 ng/ml |
| Alprazolam | 4.369 | 232027 | 23831.50 | 50.2 | 1167.88 | 206650 | 50.1613 ng/ml |
| Alprazolam | 5.774 | 124424 | 2134.37 | 109.3 | 1279.45 | 82728 | 49.1185 ng/ml |
| Amphetamine | 3.067 | 191097 | 5914.24 | 53.6 | 2661.76 | 47279 | 55.9439 ng/ml |
| Benzoylcegonine | 3.892 | 7418 | 243.21 | 7.3 | ∞ | 6533 | 50.0394 ng/ml |
| Buprenorphine | 5.662 | 798 | 439.57 | 18.2 | 301.54 | 4975 | 5.2087 ng/ml |
| Bupropion | 4.783 | 123391 | 26191.51 | 59.3 | 1887.06 | 83315 | 51.6614 ng/ml |
| Carisoprodol | 5.723 | 101684 | 373.88 | 56.3 | 568.02 | 93958 | 51.6562 ng/ml |
| Citalopram | 5.233 | 42167 | 815.98 | 42.1 | 1992.30 | 39249 | 50.4773 ng/ml |
| Clonazepam | 5.611 | 18947 | 233.05 | 31.9 | 881.16 | 6488 | 54.2511 ng/ml |
| Cocaine | 4.275 | 234521 | ∞ | 49.3 | 20177.52 | 396294 | 49.4951 ng/ml |
| Codeine | 2.604 | 34065 | 12326.80 | 105.3 | 1017.04 | 31118 | 52.3968 ng/ml |
| Cyclobenzaprine | 5.627 | 12020 | 2626.92 | 10.9 | 110.43 | 12053 | 47.2351 ng/ml |
| Dextromethorphan | 5.276 | 18716 | 3116.03 | 81.9 | 464.98 | 17380 | 50.3233 ng/ml |
| Dextroproprian | 4.138 | 57088 | 14390.25 | 209.5 | 28711.60 | 148306 | 51.1153 ng/ml |
| Diazepam | 5.952 | 113860 | 12606.77 | 88.9 | 6610.99 | 109427 | 51.1328 ng/ml |



AM #28 Multi-Drug Quant. Results

| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|----------------------|-------|--------|-----------|------------|-----------|------------|---------------|
| Dihydrocodeine | 2.582 | 95659 | 36108.16 | 68.6 | ∞ | 109348 | 53.6806 ng/ml |
| Diphenhydramine | 5.297 | 98470 | 15501.38 | 30.8 | 2932.19 | 131129 | 50.0811 ng/ml |
| Doxylamine | 4.564 | 430835 | 15009.66 | 97.5 | ∞ | 368318 | 49.9831 ng/ml |
| EDDP | 5.268 | 115295 | 1701.87 | 41.7 | 1429.17 | 120334 | 51.9724 ng/ml |
| Fentanyl | 5.076 | 1419 | 295.38 | 77.5 | ∞ | 17175 | 4.6392 ng/ml |
| Fluoxetine | 5.713 | 14826 | 163.22 | 8.1 | 4044.81 | 12082 | 49.1339 ng/ml |
| Hydrocodone | 3.044 | 78557 | ∞ | 38.1 | 100.44 | 101762 | 50.9188 ng/ml |
| Hydrocodone | 1.641 | 73658 | 708.83 | 77.0 | 4247.92 | 54761 | 50.1865 ng/ml |
| Ketamine | 4.044 | 239008 | 3971.53 | 37.6 | 1665.34 | 213291 | 51.7206 ng/ml |
| Lamotrigine | 4.293 | 24481 | 1392.61 | 82.4 | 511.21 | 213291 | 53.6721 ng/ml |
| Lorazepam | 5.745 | 4518 | 54.98 | 50.0 | 22.45 | 6488 | 54.7975 ng/ml |
| Meprobamate | 4.913 | 25640 | 5282.35 | 26.7 | 97.43 | 25873 | 53.8283 ng/ml |
| Methadone | 5.658 | 38500 | 3645.51 | 57.8 | 1332.47 | 37575 | 50.0017 ng/ml |
| Methamphetamine | 3.240 | 97057 | 1019.51 | 41.2 | 581.84 | 94282 | 51.8051 ng/ml |
| Metoprolol | 4.331 | 52678 | ∞ | 93.1 | ∞ | 541833 | 53.0512 ng/ml |
| Mirtazapine | 4.606 | 108279 | 14296.77 | 52.0 | 5839.96 | 206650 | 49.8432 ng/ml |
| Mitragynine | 5.211 | 5715 | ∞ | 36.2 | 10349.18 | 37575 | 45.3550 ng/ml |
| Morphine | 1.273 | 17271 | 25866.32 | 20.6 | ∞ | 4748 | 50.0408 ng/ml |
| Norbuprenorphine | 5.001 | 21 | 101.22 | 131.6 High | 360.89 | 368 | 4.1304 ng/ml |
| Nordiazepam | 5.898 | 22869 | 1126.48 | 58.3 | 809.62 | 14925 | 50.4072 ng/ml |
| Norfentanyl | 4.093 | 33616 | 27101.98 | 36.4 | 436.46 | 307963 | 4.9186 ng/ml |
| Norhydrocodone | 3.092 | 3504 | 202.57 | 24.7 | 148.07 | 28166 | 45.3742 ng/ml |
| Noroxycodone | 2.935 | 51066 | ∞ | 48.5 | ∞ | 29898 | 53.0180 ng/ml |
| O-desmethyl-tramadol | 3.388 | 670278 | 24930.64 | 6.7 | 609.25 | 730234 | 50.5079 ng/ml |
| Oxazepam | 5.755 | 5648 | 39.01 | 78.8 | 23.47 | 6952 | 52.0739 ng/ml |
| Oxycodone | 2.860 | 142415 | 390.88 | 30.9 | 134.90 | 136571 | 50.8185 ng/ml |
| Oxymorphone | 1.430 | 43480 | 1341.43 | 48.9 | ∞ | 32459 | 50.6700 ng/ml |
| Phentermine | 3.790 | 52472 | 2852.23 | 2.7 | 95.37 | 120726 | 55.0352 ng/ml |
| Promethazine | 5.545 | 25366 | 1075.04 | 30.7 | 243.19 | 23288 | 50.3627 ng/ml |
| Quetiapine | 5.521 | 87359 | 5272.99 | 54.8 | 173425.58 | 22215 | 52.4851 ng/ml |
| Setraline | 5.781 | 6818 | 2419.18 | 91.1 | 89.01 | 5963 | 50.0008 ng/ml |
| Temazepam | 5.815 | 64027 | 1935.52 | 31.5 | 48.93 | 69704 | 50.4724 ng/ml |
| Tramadol | 4.251 | 514647 | 26138.40 | 3.5 | 895.52 | 541833 | 51.1090 ng/ml |
| Trazodone | 5.043 | 50932 | 30106.17 | 75.6 | 257361.36 | 42548 | 55.1547 ng/ml |
| Venlafaxine | 5.052 | 274187 | 12792.76 | 34.4 | 1069.63 | 290759 | 50.9837 ng/ml |
| Zolpidem | 4.821 | 541799 | 223285.50 | 31.7 | 2163.21 | 468491 | 52.4051 ng/ml |

TS



AM #28 Multi-Drug Quant. Results

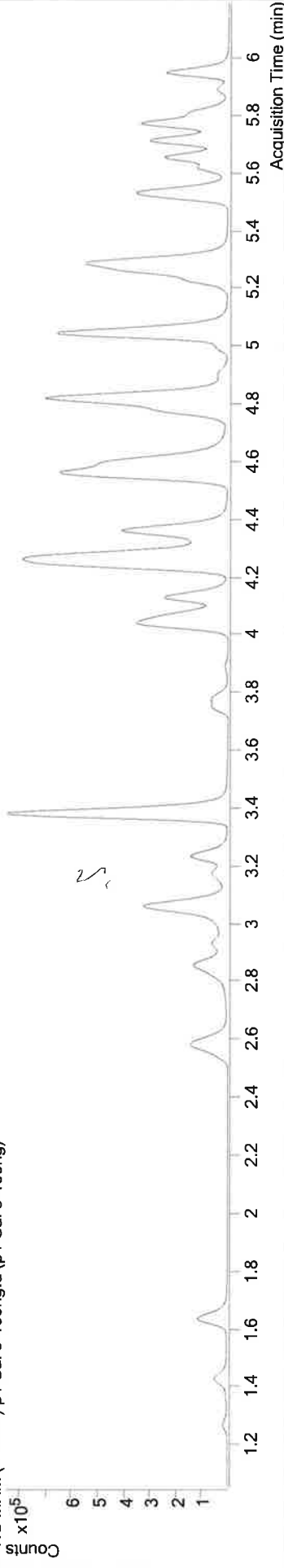
Batch results Calibration Last Update D:\MassHunter\Data\2019\AM 28\082219 MDQ TS MDS SP\QuantResults\MDQ wk1st 365 TS.batch.bin
8/26/2019 9:26:02 AM

Instrument Falco
Type Cal
Acq. Method MDQ P1 Combined 082219.m
Sample Position P1-E1
Injection Volume 1
Acq. Date-Time 8/22/2019 2:05:57 PM
Sample Info.

Data File
Sample p1 Cal 5-100ng.d
Operator p1 Cal 5-100ng
Comment

Sample Chromatogram

+ TIC MRM (** -> **) p1 Cal 5-100ng.d (p1 Cal 5-100ng)



| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|---------------------|-------|--------|-----------|-------|----------|------------|----------------|
| 6-MAM | 3.156 | 10540 | 54865.11 | 74.0 | 12570.61 | 25664 | 9.7285 ng/ml |
| 7-aminoclonazepam | 4.262 | 127619 | 5864.31 | 80.1 | 11459.11 | 59129 | 101.4115 ng/ml |
| a-hydroxyalprazolam | 5.697 | 9087 | 88.10 | 77.9 | 452.78 | 6167 | 102.2782 ng/ml |
| Alprazolam | 4.369 | 512740 | 64459.54 | 49.6 | 4305.91 | 230478 | 99.5055 ng/ml |
| Alprazolam | 5.774 | 234476 | 8111.83 | 108.5 | 1008.16 | 81073 | 94.3716 ng/ml |
| Amphetamine | 3.067 | 481118 | 4880.82 | 53.9 | 9783.24 | 63953 | 105.6488 ng/ml |
| Benzoylcegonine | 3.892 | 14127 | 5633.34 | 8.3 | 1090.19 | 6836 | 94.1543 ng/ml |
| Buprenorphine | 5.662 | 4045 | 465.10 | 16.4 | 115.02 | 14155 | 9.6825 ng/ml |
| Bupropion | 4.783 | 347868 | 105131.31 | 60.2 | 10204.72 | 122236 | 99.6206 ng/ml |
| Carisoprodol | 5.723 | 183587 | 13980.31 | 56.8 | 1052.15 | 88899 | 98.8197 ng/ml |
| Citalopram | 5.233 | 203954 | 5142.51 | 41.8 | 1165.09 | 96237 | 100.1413 ng/ml |
| Clonazepam | 5.611 | 38396 | 1278.63 | 30.1 | 1216.51 | 7305 | 97.8205 ng/ml |
| Cocaine | 4.275 | 485505 | 948341.40 | 48.9 | 516.07 | 412821 | 98.4681 ng/ml |
| Codeine | 2.604 | 64892 | 506.96 | 105.4 | 62417.21 | 30969 | 100.8808 ng/ml |
| Cyclobenzaprine | 5.627 | 131356 | 1539.32 | 10.6 | 800.13 | 63926 | 100.2646 ng/ml |
| Dextromethorphan | 5.276 | 111385 | 667.07 | 81.9 | 78014.30 | 52905 | 99.6543 ng/ml |
| Dextrophan | 4.138 | 129624 | 263311.54 | 209.5 | ∞ | 174773 | 98.7576 ng/ml |
| Diazepam | 5.958 | 217577 | 7473.06 | 88.4 | 7720.46 | 105027 | 102.5600 ng/ml |

75



AM #28 Multi-Drug Quant. Results

| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|----------------------|-------|---------|-----------|-------|-----------|------------|----------------|
| Dihydrocodeine | 2.582 | 186554 | 39612.54 | 68.5 | 50643.05 | 110367 | 104.7212 ng/ml |
| Diphenhydramine | 5.297 | 485007 | 27194.22 | 31.5 | 3892.87 | 328449 | 99.3083 ng/ml |
| Doxylamine | 4.564 | 1003253 | 11486.43 | 97.6 | 14758.74 | 420534 | 102.1405 ng/ml |
| EDDP | 5.268 | 338872 | 1739.71 | 41.4 | 15817.13 | 185858 | 98.9608 ng/ml |
| Fentanyl | 5.076 | 13531 | 1749.25 | 78.7 | 28435.99 | 81594 | 9.2956 ng/ml |
| Fluoxetine | 5.713 | 180779 | 336.48 | 8.4 | 50018.49 | 74961 | 99.9735 ng/ml |
| Hydrocodone | 3.044 | 161816 | 443.08 | 37.9 | ∞ | 106791 | 100.6153 ng/ml |
| Hydrocortisone | 1.641 | 152436 | 2227.69 | 75.2 | 1057.01 | 58551 | 97.3573 ng/ml |
| Ketamine | 4.044 | 481735 | 8900.19 | 37.3 | 2143.48 | 222517 | 100.4610 ng/ml |
| Lamotrigine | 4.293 | 48704 | 2502.47 | 85.2 | 1726.89 | 222517 | 103.0073 ng/ml |
| Lorazepam | 5.745 | 9110 | 590.73 | 46.0 | 43.66 | 7305 | 98.2693 ng/ml |
| Meprobamate | 4.913 | 50302 | 843.41 | 26.8 | 342.00 | 27028 | 101.5049 ng/ml |
| Methadone | 5.658 | 237781 | 24054.12 | 57.1 | 2474.10 | 113640 | 103.0495 ng/ml |
| Methamphetamine | 3.240 | 263316 | 1850.85 | 40.0 | 1605.74 | 130208 | 102.7818 ng/ml |
| Metoprolol | 4.331 | 108474 | 69297.00 | 96.8 | ∞ | 541567 | 110.0384 ng/ml |
| Mirtazapine | 4.606 | 432610 | 1970.85 | 51.4 | 2007.53 | 230478 | 179.7846 ng/ml |
| Mitragynine | 5.204 | 44862 | 155286.45 | 35.3 | 46207.21 | 113640 | 117.0053 ng/ml |
| Morphine | 1.273 | 34859 | 1033.74 | 19.9 | 1371.76 | 4879 | 98.9448 ng/ml |
| Norbuprenorphine | 5.001 | 207 | 660.94 | 96.2 | 517.22 | 955 | 11.9806 ng/ml |
| Nordiazepam | 5.898 | 44489 | ∞ | 56.0 | 1722.17 | 14933 | 98.1814 ng/ml |
| Norfentanyl | 4.093 | 77401 | 11921.36 | 35.3 | 2264.32 | 357082 | 9.7699 ng/ml |
| Norhydrocodone | 3.092 | 9275 | 1570.69 | 24.6 | ∞ | 31732 | 105.8882 ng/ml |
| Noroxycodone | 2.935 | 103230 | ∞ | 46.5 | 414.95 | 31763 | 101.3994 ng/ml |
| O-desmethyl-tramadol | 3.388 | 1318822 | 124183.85 | 6.7 | 3156.65 | 740235 | 98.3134 ng/ml |
| Oxazepam | 5.755 | 10637 | 57.62 | 72.7 | 31.81 | 6988 | 98.4697 ng/ml |
| Oxycodone | 2.860 | 292475 | ∞ | 29.3 | ∞ | 142133 | 101.1771 ng/ml |
| Oxymorphone | 1.430 | 87674 | ∞ | 45.3 | 402.30 | 32787 | 101.6921 ng/ml |
| Phentermine | 3.790 | 124041 | 3011.95 | 2.6 | 104.12 | 151355 | 104.6370 ng/ml |
| Promethazine | 5.545 | 277988 | 30047.87 | 31.8 | 1263.78 | 128274 | 100.9363 ng/ml |
| Quetiapine | 5.521 | 325539 | 4216.79 | 55.1 | 517209.16 | 44766 | 97.4781 ng/ml |
| Sertraline | 5.781 | 82101 | 4080.66 | 92.2 | ∞ | 36780 | 102.5783 ng/ml |
| Temazepam | 5.815 | 123563 | 2771.67 | 31.0 | 148.34 | 69309 | 98.5487 ng/ml |
| Tramadol | 4.251 | 1023951 | 1719.02 | 3.6 | 1396.77 | 541567 | 102.6325 ng/ml |
| Trazodone | 5.043 | 263797 | 24289.50 | 76.6 | 676263.07 | 120845 | 101.7618 ng/ml |
| Venlafaxine | 5.052 | 614318 | 20955.90 | 34.3 | 1248.78 | 341606 | 97.4698 ng/ml |
| Zolpidem | 4.828 | 1088324 | 74798.57 | 31.8 | 4646.93 | 487186 | 101.6708 ng/ml |

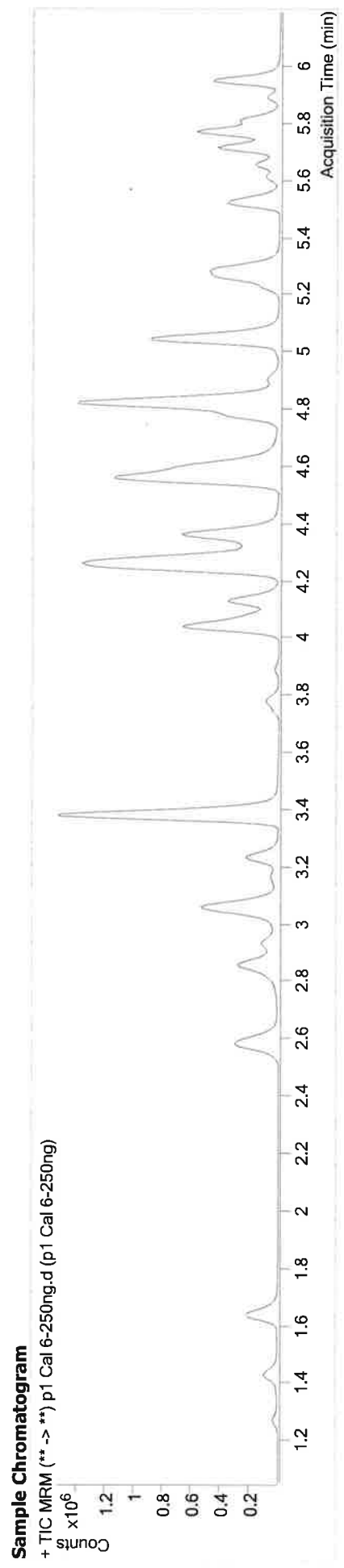
TS



AM #28 Multi-Drug Quant. Results

Batch results Calibration Last Update D:\MassHunter\Data\2019\AM 28\082219 MDQ TS MDS SP\QuantResults\MDQ wklist 365 TS.batch.bin 8/26/2019 9:26:02 AM

| | | | |
|-------------------------|----------------------|------------------|------------------|
| Instrument | Falco | Data File | p1 Cal 6-250ng.d |
| Type | Cal | Sample | p1 Cal 6-250ng |
| Acq. Method | MDQ P1 Combined | Operator | |
| Injection Volume | 1 | Comment | |
| Acq. Date-Time | 8/22/2019 2:16:23 PM | | |



| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|---------------------|-------|--------|-----------|-------|-----------|------------|----------------|
| 6-MAM | 3.156 | 23504 | 28516.79 | 70.5 | 1735.20 | 22664 | 24.6063 ng/ml |
| 7-aminoclonazepam | 4.262 | 248408 | 1787.78 | 81.1 | 43589.13 | 48361 | 242.3803 ng/ml |
| a-hydroxyalprazolam | 5.697 | 22148 | 853.61 | 74.0 | 845.41 | 6346 | 244.2815 ng/ml |
| alpha-PVP | 4.369 | 948458 | 107013.91 | 50.2 | 52470.47 | 168900 | 251.3528 ng/ml |
| Alprazolam | 5.774 | 526111 | 4229.68 | 110.0 | 1199.63 | 68190 | 251.6058 ng/ml |
| Amphetamine | 3.067 | 754569 | 5061.79 | 53.1 | 14129.96 | 42674 | 250.7043 ng/ml |
| Benzoylcegonine | 3.892 | 34786 | 27622.82 | 7.7 | 378.08 | 6394 | 253.9904 ng/ml |
| Buprenorphine | 5.562 | 3408 | 907.75 | 15.7 | 681.72 | 4613 | 25.8366 ng/ml |
| Bupropion | 4.783 | 514433 | 53435.32 | 59.7 | 9283.42 | 70886 | 254.6291 ng/ml |
| Carisoprodol | 5.723 | 435442 | ∞ | 57.6 | 5119.68 | 83629 | 249.5758 ng/ml |
| Citalopram | 5.233 | 191945 | 973.07 | 41.7 | 1078.97 | 36894 | 246.6830 ng/ml |
| Clonazepam | 5.511 | 90918 | 1504.48 | 32.7 | 19797.89 | 6396 | 264.9561 ng/ml |
| Cocaine | 4.275 | 982021 | 123546.40 | 49.6 | 34772.40 | 325816 | 252.5222 ng/ml |
| Codeine | 2.604 | 138261 | 518.71 | 104.8 | 10359.79 | 26533 | 251.8234 ng/ml |
| Cyclobenzaprine | 5.627 | 69786 | 134653.02 | 10.6 | 32895.52 | 13681 | 253.0085 ng/ml |
| Dextromethorphan | 5.276 | 88346 | 706.06 | 81.0 | 358949.06 | 16566 | 254.4702 ng/ml |
| Dextropropfan | 4.131 | 223776 | 249454.30 | 206.2 | 46526.62 | 117784 | 253.4382 ng/ml |
| Diazepam | 5.958 | 474840 | 3583.51 | 88.9 | 45197.91 | 93896 | 251.4631 ng/ml |



AM #28 Multi-Drug Quant. Results

| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|----------------------|-------|---------|-----------|-------|-----------|------------|----------------|
| Dihydrocodeine | 2.582 | 408743 | ∞ | 68.8 | 55418.49 | 100003 | 254.7494 ng/ml |
| Diphenhydramine | 5.297 | 452430 | 214093.66 | 31.3 | 799.71 | 121231 | 252.2913 ng/ml |
| Doxylamine | 4.564 | 1831169 | 62409.15 | 100.4 | 31219.48 | 326536 | 240.3569 ng/ml |
| EDDP | 5.268 | 493252 | 28671.22 | 41.7 | 8609.96 | 107972 | 248.0489 ng/ml |
| Fentanyl | 5.076 | 7374 | 710.55 | 82.2 | 86781.17 | 19120 | 21.5999 ng/ml |
| Fluoxetine | 5.713 | 81506 | 4589.85 | 8.1 | 5343.76 | 13572 | 254.2097 ng/ml |
| Hydrocodone | 3.044 | 341504 | ∞ | 39.0 | 1576.34 | 88220 | 258.1216 ng/ml |
| Hydromorphine | 1.641 | 336001 | 2221.04 | 72.9 | 2529.99 | 49372 | 254.8674 ng/ml |
| Ketamine | 4.044 | 1058374 | 28241.82 | 37.2 | 2479.12 | 192542 | 255.9600 ng/ml |
| Lamotrigine | 4.286 | 104627 | 37383.08 | 86.2 | 34888.97 | 192542 | 256.8055 ng/ml |
| Lorazepam | 5.745 | 19574 | 279.73 | 51.5 | 52.77 | 6396 | 241.3986 ng/ml |
| Meprobamate | 4.913 | 119201 | 260.55 | 26.1 | 96.48 | 25118 | 259.5558 ng/ml |
| Methadone | 5.658 | 184295 | 21439.55 | 58.2 | 10955.26 | 35761 | 255.1277 ng/ml |
| Methamphetamine | 3.240 | 413681 | 5846.92 | 39.7 | 1452.99 | 82885 | 255.2098 ng/ml |
| Metoprolol | 4.331 | 200522 | ∞ | 95.8 | ∞ | 443994 | 248.9951 ng/ml |
| Mirtazapine | 4.606 | 534050 | ∞ | 51.6 | 27388.89 | 168900 | 303.1833 ng/ml |
| Mitragynine | 5.211 | 29486 | ∞ | 36.5 | 29862.13 | 35761 | 243.8974 ng/ml |
| Morphine | 1.273 | 73481 | 927.71 | 20.7 | 5758.90 | 4060 | 251.6903 ng/ml |
| Norbuprenorphine | 4.994 | 132 | 463.45 | 88.4 | 349.73 | 286 | 24.0884 ng/ml |
| Nordiazepam | 5.898 | 103008 | 1228.82 | 57.3 | 2523.63 | 13167 | 258.1165 ng/ml |
| Norfentanyl | 4.093 | 154642 | 2090.25 | 35.8 | 2510.46 | 280543 | 24.8493 ng/ml |
| Norhydrocodone | 3.092 | 20350 | 359.89 | 25.1 | 765.99 | 26025 | 282.3751 ng/ml |
| Noroxycodone | 2.935 | 215639 | ∞ | 47.3 | 399.33 | 26667 | 253.1386 ng/ml |
| O-desmethyl-tramadol | 3.388 | 3023483 | 431511.17 | 6.8 | 12220.80 | 664546 | 251.5198 ng/ml |
| Oxazepam | 5.755 | 23766 | 412.72 | 75.7 | 138.19 | 6296 | 245.7155 ng/ml |
| Oxycodone | 2.860 | 641606 | ∞ | 30.3 | ∞ | 123995 | 255.8145 ng/ml |
| Oxymorphone | 1.430 | 187029 | ∞ | 47.6 | ∞ | 28737 | 248.2902 ng/ml |
| Phentermine | 3.790 | 204215 | 8909.92 | 2.6 | 56.46 | 103221 | 253.9821 ng/ml |
| Promethazine | 5.545 | 143858 | 988.09 | 31.2 | 1469.05 | 26106 | 257.7969 ng/ml |
| Quetiapine | 5.521 | 456819 | 66897.00 | 55.6 | 883985.86 | 23716 | 259.0192 ng/ml |
| Sertraline | 5.781 | 31727 | 241.40 | 92.0 | 310.98 | 5702 | 263.5074 ng/ml |
| Temazepam | 5.815 | 298835 | 4903.59 | 30.0 | 984.37 | 64536 | 256.9642 ng/ml |
| Tramadol | 4.251 | 2060415 | 322454.73 | 3.6 | 2378.34 | 443994 | 253.2188 ng/ml |
| Trazodone | 5.043 | 295851 | 50239.63 | 76.8 | 74066.11 | 53062 | 262.1433 ng/ml |
| Venlafaxine | 5.052 | 1100703 | 61202.60 | 34.9 | 9820.78 | 240303 | 248.6790 ng/ml |
| Zolpidem | 4.828 | 2493883 | 239601.99 | 31.5 | 102787.22 | 450213 | 252.8134 ng/ml |

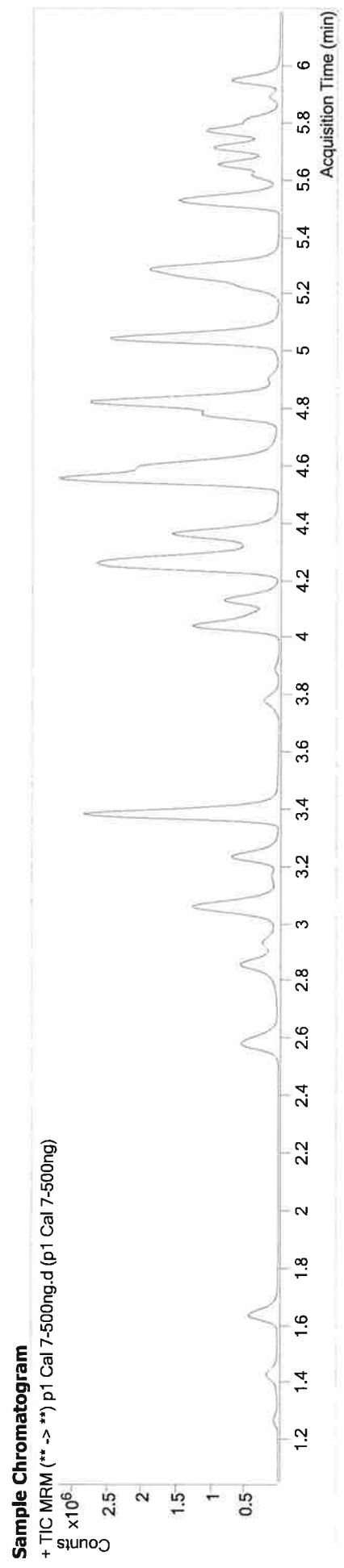


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2019\AM 28\082219 MDQ TS MDS SP\QuantResults\MDQ wk1st 365 TS.batch.bin
Calibration Last Update 8/26/2019 9:26:02 AM

Instrument Falco
Type Cal
Acq. Method MDQ P1 Combined 082219.m
Sample Position P1-G1
Injection Volume 1
Acq. Date-Time 8/22/2019 2:26:49 PM
Sample Info.

Data File
Sample p1 Cal 7-500ng.d
Operator p1 Cal 7-500ng
Comment



| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|---------------------|-------|---------|-----------|-------|-----------|------------|----------------|
| 6-MAM | 3.156 | 49068 | 70711.46 | 72.4 | 58700.49 | 23856 | 48.8287 ng/ml |
| 7-aminoclonazepam | 4.262 | 415723 | 62953.00 | 78.7 | 20398.92 | 45239 | 434.2294 ng/ml |
| a-hydroxyalprazolam | 5.697 | 44186 | 517.27 | 72.0 | 735.39 | 6017 | 515.6772 ng/ml |
| alpha-PVP | 4.369 | 2370007 | 102689.65 | 50.7 | 61587.35 | 212421 | 499.5189 ng/ml |
| Alprazolam | 5.774 | 920268 | ∞ | 108.5 | ∞ | 58803 | 510.2712 ng/ml |
| Amphetamine | 3.067 | 1941241 | 27081.31 | 53.0 | 77389.23 | 61480 | 449.0772 ng/ml |
| Benzoylcegonine | 3.892 | 79099 | 10742.32 | 7.4 | 1952.31 | 7427 | 500.8342 ng/ml |
| Buprenorphine | 5.662 | 17043 | 2783.15 | 16.2 | 759.72 | 12186 | 49.3713 ng/ml |
| Bupropion | 4.783 | 1720214 | 426521.48 | 60.0 | 103262.72 | 122076 | 494.7715 ng/ml |
| Carisoprodol | 5.723 | 736141 | 78044.22 | 58.0 | 3464.78 | 71034 | 497.0036 ng/ml |
| Citalopram | 5.233 | 947184 | ∞ | 40.8 | 2428.94 | 88005 | 510.9445 ng/ml |
| Cocaine | 4.275 | 176385 | 1320.73 | 32.1 | ∞ | 7193 | 457.2140 ng/ml |
| Codeine | 2.604 | 2132429 | 173159.83 | 49.3 | 233410.43 | 353191 | 505.9503 ng/ml |
| Cyclobenzaprine | 5.627 | 267734 | 585.18 | 103.2 | 658.41 | 26762 | 484.0718 ng/ml |
| Dextromethorphan | 5.276 | 604707 | 662642.81 | 10.3 | 97231.21 | 55611 | 542.4949 ng/ml |
| Dextropropion | 4.138 | 498234 | 77904.59 | 80.8 | 124247.95 | 47449 | 502.3164 ng/ml |
| Diazepam | 5.958 | 573647 | 98379.38 | 209.5 | 8900.63 | 152532 | 501.9713 ng/ml |
| | | 810388 | 10242.86 | 88.3 | 7906.34 | 81831 | 493.1652 ng/ml |

TS



AM #28 Multi-Drug Quant. Results

| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|----------------------|-------|---------|-----------|-------|-----------|------------|----------------|
| Dihydrocodeine | 2.582 | 795039 | 70377.96 | 69.1 | 96037.54 | 105546 | 470.3864 ng/ml |
| Diphenhydramine | 5.297 | 2274395 | 627.52 | 31.8 | 1240.86 | 303638 | 507.2377 ng/ml |
| Doxylamine | 4.558 | 5146020 | 52511.38 | 98.6 | 66364.71 | 447228 | 493.3798 ng/ml |
| EDDP | 5.268 | 1525431 | 57150.99 | 42.5 | ∞ | 168515 | 491.5756 ng/ml |
| Fentanyl | 5.076 | 65031 | 3476.44 | 75.8 | 1352.12 | 69763 | 52.1883 ng/ml |
| Fluoxetine | 5.713 | 747618 | 11605.71 | 8.3 | ∞ | 61913 | 514.7155 ng/ml |
| Hydrocodone | 3.044 | 748860 | 495.34 | 39.7 | 207.50 | 103350 | 483.7640 ng/ml |
| Hydromorphone | 1.641 | 708645 | ∞ | 73.8 | 1549.56 | 53818 | 493.3358 ng/ml |
| Ketamine | 4.044 | 2206916 | 12897.10 | 37.4 | 8125.69 | 211544 | 486.3022 ng/ml |
| Lamotrigine | 4.293 | 182471 | 14116.07 | 86.7 | 18162.73 | 211544 | 408.0674 ng/ml |
| Lorazepam | 5.745 | 39769 | 976.45 | 50.0 | 1256.37 | 7193 | 436.2331 ng/ml |
| Meprobamate | 4.913 | 234776 | 936.88 | 26.9 | 6550.04 | 26376 | 487.2471 ng/ml |
| Methadone | 5.658 | 1084597 | 2443.40 | 58.6 | 14519.66 | 106131 | 506.8074 ng/ml |
| Methamphetamine | 3.240 | 1294777 | 8912.73 | 42.5 | 6938.71 | 136386 | 486.3863 ng/ml |
| Metoprolol | 4.331 | 451834 | 175592.83 | 96.5 | ∞ | 504457 | 494.5001 ng/ml |
| Mirtazapine | 4.606 | 2134716 | 132199.41 | 51.8 | 7350.61 | 212421 | 964.6397 ng/ml |
| Mitragynine | 5.211 | 210115 | ∞ | 35.4 | 290387.43 | 106131 | 585.0012 ng/ml |
| Morphine | 1.273 | 145047 | 1532.49 | 19.8 | 2320.52 | 4030 | 501.2174 ng/ml |
| Norbuprenorphine | 5.001 | 899 | ∞ | 87.1 | 3699.87 | 880 | 51.4314 ng/ml |
| Nordiazepam | 5.898 | 185519 | 15354.40 | 56.7 | 15174.93 | 12372 | 494.9376 ng/ml |
| Norfentanyl | 4.093 | 398025 | 260048.83 | 35.6 | 15086.61 | 349148 | 51.3938 ng/ml |
| Norhydrocodone | 3.092 | 52086 | 683.39 | 26.9 | 440.03 | 29657 | 633.5516 ng/ml |
| Noroxycodone | 2.935 | 447743 | 976.57 | 49.9 | ∞ | 28670 | 489.4247 ng/ml |
| O-desmethyl-tramadol | 3.388 | 6138169 | 245399.45 | 6.7 | 72429.73 | 677506 | 501.1516 ng/ml |
| Oxazepam | 5.755 | 47053 | 554.96 | 73.7 | ∞ | 6087 | 504.2574 ng/ml |
| Oxycodone | 2.860 | 1350790 | ∞ | 31.7 | 207.16 | 136877 | 488.7214 ng/ml |
| Oxymorphone | 1.430 | 367387 | 2178.83 | 47.0 | 1024.21 | 28892 | 485.6210 ng/ml |
| Phentermine | 3.790 | 540294 | 47420.17 | 2.6 | 232.55 | 149828 | 463.7389 ng/ml |
| Promethazine | 5.545 | 1268691 | 16893.17 | 31.9 | 25874.57 | 114832 | 517.6106 ng/ml |
| Quetiapine | 5.521 | 1566450 | 142743.88 | 57.7 | 86143.15 | 45230 | 466.1075 ng/ml |
| Setraline | 5.788 | 275519 | 18488.70 | 94.5 | 472.54 | 24467 | 538.5777 ng/ml |
| Temazepam | 5.815 | 567484 | 3094.41 | 29.8 | 778.73 | 60852 | 518.1540 ng/ml |
| Tramadol | 4.251 | 4517991 | 355264.27 | 3.5 | 4961.86 | 504457 | 489.5375 ng/ml |
| Trazodone | 5.042 | 1203790 | 159998.13 | 77.1 | 323675.96 | 121548 | 466.7569 ng/ml |
| Venlafaxine | 5.052 | 2964152 | 155990.64 | 34.2 | 19755.36 | 324271 | 496.5391 ng/ml |
| Zolpidem | 4.828 | 5100273 | 218006.75 | 31.1 | 100692.17 | 473892 | 491.6462 ng/ml |

TS

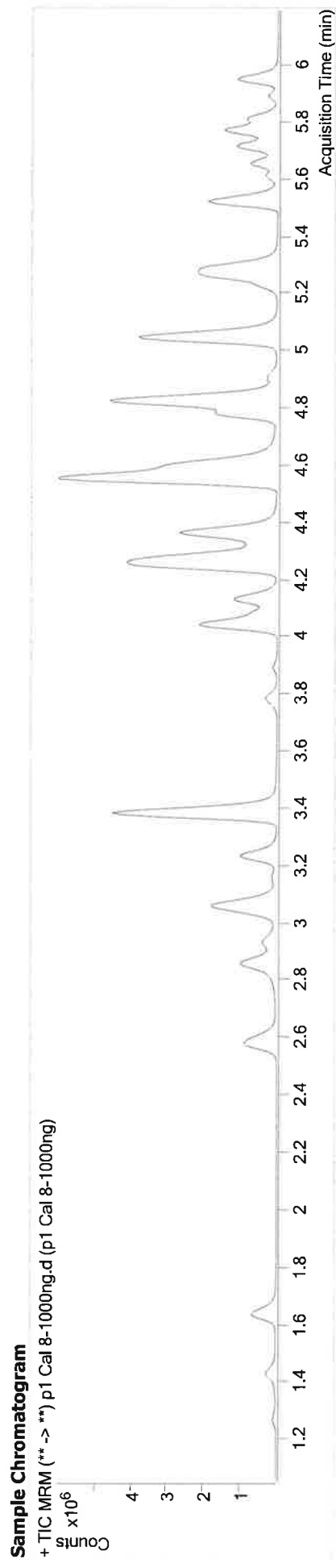


AM #28 Multi-Drug Quant. Results

Batch results Calibration Last Update D:\MassHunter\Data\2019\AM 28\082219 MDQ TS MDS SP\QuantResults\MDQ wklist 365 TS.batch.bin
8/26/2019 9:26:02 AM

Instrument Falco
Type Cal
Acq. Method MDQ P1 Combined 082219.m
Sample Position P1-H1
Injection Volume 1
Acq. Date-Time 8/22/2019 2:37:15 PM
Sample Info.

Data File
Sample p1 Cal 8-1000ng.d
Operator p1 Cal 8-1000ng
Comment



| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|---------------------|-------|---------|-----------|-------|-----------|------------|-----------------|
| 6-MAM | 3.156 | 92040 | 4248.57 | 72.0 | 10583.47 | 21453 | 101.8805 ng/ml |
| 7-aminoclonazepam | 4.262 | 488008 | 31660.84 | 82.3 | 8153.32 | 33313 | 692.6485 ng/ml |
| a-hydroxyalprazolam | 5.697 | 83287 | 664.19 | 80.2 | 411.31 | 5428 | 1079.0460 ng/ml |
| alpha-PVP | 4.369 | 4202646 | 473004.21 | 51.3 | 218137.67 | 186567 | 1008.6461 ng/ml |
| Alprazolam | 5.774 | 1530673 | ∞ | 106.3 | ∞ | 45760 | 1090.5405 ng/ml |
| Amphetamine | 3.067 | 2584521 | 12365.44 | 52.6 | 31036.29 | 44871 | 820.6539 ng/ml |
| Benzoylcegonine | 3.892 | 144409 | 14002.63 | 7.8 | ∞ | 6711 | 1015.7852 ng/ml |
| Buprenorphine | 5.662 | 12909 | 38028.08 | 16.0 | 5473.99 | 4653 | 98.4380 ng/ml |
| Bupropion | 4.783 | 2579300 | 578784.30 | 59.8 | 39530.59 | 93475 | 969.2177 ng/ml |
| Carisoprodol | 5.723 | 1310090 | 607801.52 | 57.8 | ∞ | 62263 | 1009.3955 ng/ml |
| Citalopram | 5.233 | 926998 | ∞ | 40.9 | 6941.19 | 44494 | 989.6150 ng/ml |
| Clonazepam | 5.611 | 345530 | 20581.38 | 31.2 | 1548.58 | 6687 | 963.6910 ng/ml |
| Cocaine | 4.275 | 3660250 | 399113.79 | 49.4 | ∞ | 301036 | 1019.0165 ng/ml |
| Codeine | 2.604 | 447324 | 472.65 | 101.0 | 1883.12 | 22358 | 968.7008 ng/ml |
| Cyclobenzaprine | 5.627 | 277376 | 1416.70 | 10.6 | 4068.63 | 13693 | 1012.9831 ng/ml |
| Dextromethorphan | 5.276 | 392602 | 48987.18 | 81.0 | 91353.86 | 19022 | 988.6433 ng/ml |
| Dextropropfan | 4.138 | 862261 | 104515.47 | 212.1 | 118379.20 | 115154 | 999.7289 ng/ml |
| Diazepam | 5.958 | 1326965 | ∞ | 88.5 | 39424.44 | 68715 | 962.3989 ng/ml |

TS



AM #28 Multi-Drug Quant. Results

| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|----------------------|-------|----------|-----------|-------|-----------|------------|-----------------|
| Dihydrocodeine | 2.582 | 1346986 | ∞ | 69.1 | 74894.13 | 99943 | 842.4718 ng/ml |
| Diphenhydramine | 5.303 | 2202579 | 75011.63 | 32.0 | 21150.75 | 147499 | 1012.0707 ng/ml |
| Doxylamine | 4.551 | 10115656 | 71692.67 | 92.6 | 89038.53 | 414204 | 1047.3892 ng/ml |
| EDDP | 5.268 | 2785121 | 177953.98 | 41.6 | 59736.50 | 149981 | 1008.4973 ng/ml |
| Fentanyl | 5.076 | 33813 | 788.28 | 76.2 | 2731.29 | 18512 | 102.2477 ng/ml |
| Fluoxetine | 5.713 | 220509 | 495.97 | 7.8 | 480.16 | 9799 | 962.2686 ng/ml |
| Hydrocodone | 3.044 | 1348571 | ∞ | 39.5 | 1343.70 | 95461 | 943.8313 ng/ml |
| Hydrocodone | 1.641 | 1136838 | ∞ | 73.2 | 1971.96 | 42516 | 1002.0635 ng/ml |
| Ketamine | 4.044 | 3953124 | 9463.86 | 36.9 | 10330.72 | 196773 | 937.0079 ng/ml |
| Lamotrigine | 4.293 | 274255 | 10913.75 | 86.7 | ∞ | 196773 | 659.8118 ng/ml |
| Lorazepam | 5.745 | 90057 | 1193.84 | 50.5 | 225.66 | 6687 | 1062.8348 ng/ml |
| Meprobamate | 4.913 | 429026 | 62955.36 | 26.8 | 6002.13 | 24904 | 943.4713 ng/ml |
| Methadone | 5.658 | 932533 | 3829.08 | 57.7 | 23856.51 | 46749 | 990.1100 ng/ml |
| Methamphetamine | 3.240 | 1934137 | 20681.36 | 41.0 | ∞ | 105555 | 939.7598 ng/ml |
| Metoprolol | 4.338 | 699392 | 170278.11 | 98.9 | ∞ | 452763 | 853.3370 ng/ml |
| Mirtazapine | 4.606 | 2983944 | 14414.01 | 51.6 | 5264.47 | 186567 | 1535.5244 ng/ml |
| Mitragynine | 5.211 | 136837 | 62465.76 | 35.1 | 11012.04 | 46749 | 864.7016 ng/ml |
| Morphine | 1.273 | 223502 | 2182.68 | 19.8 | 13493.03 | 3186 | 977.5440 ng/ml |
| Norbuprenorphine | 5.001 | 680 | 1684.07 | 90.4 | 812.39 | 344 | 98.3693 ng/ml |
| Nordiazepam | 5.898 | 334245 | 2360.64 | 56.7 | 2741.20 | 11101 | 993.9793 ng/ml |
| Norfentanyl | 4.093 | 745025 | 158599.92 | 36.1 | 25823.68 | 319134 | 105.2492 ng/ml |
| Norhydrocodone | 3.092 | 92233 | 6119.85 | 29.2 | 2119.06 | 25394 | 1309.6517 ng/ml |
| Noroxycodone | 2.935 | 767588 | 498.88 | 48.4 | ∞ | 25546 | 942.1771 ng/ml |
| O-desmethyl-tramadol | 3.388 | 10684370 | 160564.69 | 6.7 | 53360.27 | 585230 | 1010.1706 ng/ml |
| Oxazepam | 5.748 | 101511 | 848.00 | 73.5 | 108.84 | 6642 | 998.0237 ng/ml |
| Oxycodone | 2.860 | 2506109 | 293.77 | 32.1 | 429.01 | 128152 | 969.3601 ng/ml |
| Oxymorphone | 1.430 | 661509 | ∞ | 46.7 | ∞ | 25495 | 991.4557 ng/ml |
| Penthermine | 3.790 | 833751 | 15617.70 | 2.6 | 1646.39 | 124983 | 858.7001 ng/ml |
| Promethazine | 5.545 | 570754 | 4837.06 | 32.4 | 3014.22 | 27264 | 981.4443 ng/ml |
| Quetiapine | 5.521 | 2580021 | 94193.85 | 58.1 | 136474.51 | 35599 | 975.9395 ng/ml |
| Sertraline | 5.788 | 73366 | 4041.74 | 91.5 | 6291.24 | 3661 | 962.5418 ng/ml |
| Temazepam | 5.815 | 1090344 | 1725.82 | 30.4 | 1802.78 | 61470 | 986.1122 ng/ml |
| Tramadol | 4.251 | 7699895 | 562668.13 | 3.6 | 711.85 | 452763 | 930.3754 ng/ml |
| Trazodone | 5.043 | 1615837 | 222560.36 | 77.7 | 2891.27 | 88320 | 863.4588 ng/ml |
| Venlafaxine | 5.052 | 5277690 | 146846.78 | 33.8 | 1026315.8 | 281913 | 1017.2076 ng/ml |
| Zolpidem | 4.828 | 9091933 | ∞ | 30.7 | 134647.80 | 443154 | 937.6470 ng/ml |