

**Worklist: 5349**

| <u>LAB CASE</u> | <u>ITEM</u> | <u>ITEM TYPE</u> | <u>DESCRIPTION</u>                             |   |
|-----------------|-------------|------------------|--|---|
| M2021-4486      | 1           | BCK              | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ |    |
| M2021-4624      | 2           | BCK              | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ |    |
| M2021-4643      | 3           | BCK              | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ |    |
| P2021-3147      | 1           | BCK              | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ |    |
| P2021-3258      | 1           | BCK              | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ |    |
| P2021-3344      | 2           | BCK              | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ |    |
| P2021-3372      | 1           | BCK              | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ |    |
| P2021-3374      | 1           | BCK              | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ |    |
| P2021-3378      | 1           | BCK              | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ |    |
| P2021-3396      | 1           | BCK              | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ |   |
| P2021-3425      | 1           | BCK              | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ |  |
| P2021-3485      | 2           | BCK              | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ |  |
| P2021-3490      | 1           | BCK              | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ |  |
| P2021-3494      | 1           | BCK              | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ |  |
| P2021-3516      | 1           | BCK              | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ |  |
| P2021-3517      | 1           | BCK              | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ |  |
| P2021-3530      | 1           | BCK              | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ |  |
| P2021-3539      | 1           | BCK              | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ |  |
| P2021-3540      | 1           | BCK              | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ |  |
| P2021-3541      | 1           | BCK              | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ |  |
| P2021-3544      | 2           | BCK              | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ |  |

**Worklist: 5349**

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| <u>LAB CASE</u> | <u>ITEM</u> | <u>ITEM TYPE</u> | <u>DESCRIPTION</u>                             |
|-----------------|-------------|------------------|--|
| P2021-3555      | 1           | BCK              | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ |



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

TS

Extraction Date: 11/05/2021

Analyst: Tamara Salazar

Plate lot#: IDP-121 Lot #:210610

Plate Re-test Date: 12/10/2021

**Mobile phase A:** 5mM Amm Form + 0.01% FA

**Mobile phase B:** 0.01% Formic Acid in MeOH

**Blank Blood Lot:** Lampire 20L20725

**Column:** Agilent 120 EC-C18 (2.1x 100-2.7um)

**LCMS-QQQ ID:** 069901

## Pre-Analytic:

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

## Analytic:

- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. Urine hydrolysis pipette 250 ul urine in blank well, add 40 ul BG Turbo, add 100 ul 500 mm sodium phosphate buffer, mix for at least 5 minutes at ambient temperature. Pipette **250µL blood (calibrated pipette) or 250µL hydrolyzed urine** in wells of analytical (standards) plate. **Pipette ID: 42**
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 4. Pipette **250µL 0.5M ammonium hydroxide** in wells of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 6. Transfer **300µL of blood+base/urine+base** mixture to corresponding wells of SLE+ plate.
- 7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent). *(Load at 85-100 PSI- Selector to the right)*
- 8. Wait 5 minutes.
- 9. Add **900uL ethyl acetate**.
- 10. Wait 5 minutes.
- 11. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left)*.
- 12. Add **900uL ethyl acetate**.
- 13. Wait 5 minutes.
- 14. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left)*.
- 15. Remove plate containing eluate. **If run contains urine, add 50µL 1% HCl in MeOH to wells and place plate cover on plate before drying (optional).** Place on SPE Dry and evaporate to dryness at approx. 35°C.
- 16. Reconstitute in **100µL 20% MeOH** and heat seal plate with foil.

## Post-Analytic

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

## COMMENTS:

Alprazolam used as a surrogate internal standard for alpha-hydroxyalprazolam. Alpha-hydroxyalprazolam reported qualitatively only.

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Curves limited:

7-aminoclonazepam: 5-500 (Qualitative only due to QC 100 being outside acceptable accuracy parameters)

alpha-hydroxyalprazolam: 5-250 (Qualitative only)

Amphetamine: 5-500

Hydrocodone 5-500

Benzoylcegonine: 10-1000

Buprenorphine: 2.5-100

Bupropion: 5-500

Clonazepam: 5-500

Codeine: 5-500

Dihydrocodeine: 5-500

Fentanyl: 0.5-25 (Qualitative Only)

Lamotrigine: 5-250

Lorazepam: 5-100

Meprobamate: 5-500

Mirtazapine: 5-500

Norbuprenorphine: 1-100

Norhydrocodone: 5-250

Sertraline reported qualitatively due to variable internal standard response.

The response for clonazepam-D4 appears to be affected by ion suppression in case sample P2021-3147.

This sample was not evaluated for the compounds utilizing clonazepam-D4 as an internal standard. The unevaluated compounds are clonazepam, clonazolam, etizolam, and lorazepam.



|   | 1           | 2           | 3           | 4           | 5           | 6           | 7           | 8            | 9            | 10           | 11           | 12          |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|-------------|
| A | IS + Cal. 1 | IS + QC_1   | IS + Sample | IS + Sample | IS + Cal. 1 | IS + QC_1   | IS + Sample | IS + Sample  | P2021-3539-1 | P2021-3396-1 | M2021-4624-2 | IS + Cal. 8 |
| B | IS + Cal. 2 | IS + QC_2   | IS + Sample | IS + Sample | IS + Cal. 2 | IS + QC_2   | IS + Sample | IS + Sample  | P2021-3530-1 | P2021-3378-1 | M2021-4486-1 | IS + Cal. 7 |
| C | IS + Cal. 3 | IS + QC_3   | IS + Sample | IS + Sample | IS + Cal. 3 | IS + QC_3   | IS + Sample | IS + Sample  | P2021-3517-1 | P2021-3374-1 | Neg          | IS + Cal. 6 |
| D | IS + Cal. 4 | IS + QC_4   | IS + Sample | IS + Sample | IS + Cal. 4 | IS + QC_4   | IS + Sample | IS + Sample  | P2021-3516-1 | P2021-3372-1 | IS + QC_2    | IS + Cal. 5 |
| E | IS + Cal. 5 | IS + QC_2   | IS + Sample | IS + Sample | IS + Cal. 5 | IS + QC_2   | IS + Sample | P2021-3555-1 | P2021-3494-1 | P2021-3344-2 | IS + QC_4    | IS + Cal. 4 |
| F | IS + Cal. 6 | IS + Sample | IS + Sample | IS + Sample | IS + Cal. 6 | IS + Sample | IS + Sample | P2021-3544-2 | P2021-3490-1 | P2021-3258-1 | IS + QC_3    | IS + Cal. 3 |
| G | IS + Cal. 7 | IS + Sample | IS + Sample | IS + Sample | IS + Cal. 7 | IS + Sample | IS + Sample | P2021-3541-1 | P2021-3485-2 | P2021-3147-1 | IS + QC_2    | IS + Cal. 2 |
| H | IS + Cal. 8 | IS + Sample | IS + Sample | IS + Sample | IS + Cal. 8 | IS + Sample | IS + Sample | P2021-3540-1 | P2021-3425-1 | M2021-4643-3 | IS + QC_1    | IS + Cal. 1 |

All wells to contain 60 µl of Trapping Solution

TS

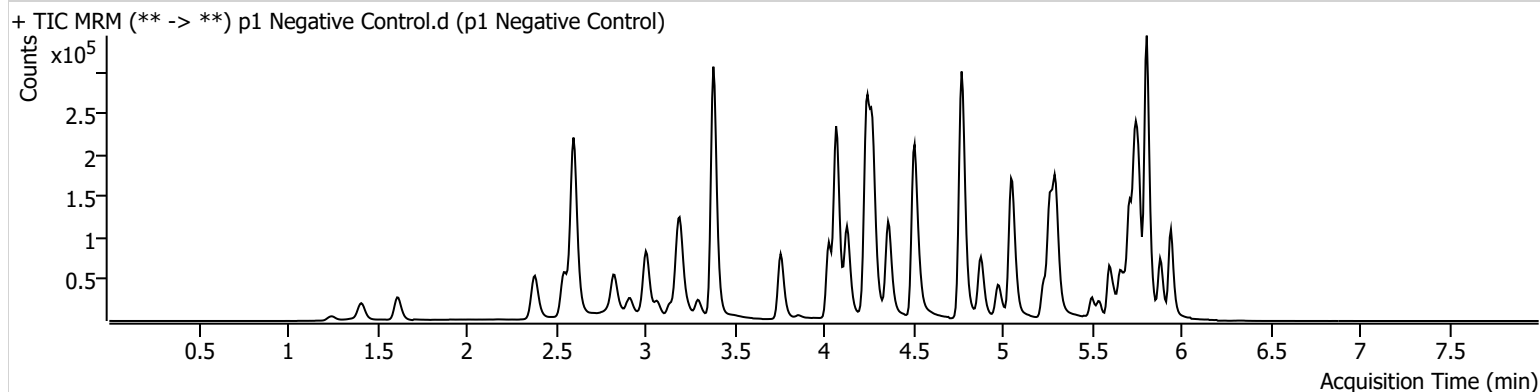


# AM #28 Multi-Drug Quant. Results

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28\_P1\_TS.batch.bin  
**Calibration Last Update** 11/10/2021 9:34:31 AM

|                         |                      |                  |                       |
|-------------------------|----------------------|------------------|-----------------------|
| <b>Instrument</b>       | Falco (069901)       | <b>Data File</b> | p1 Negative Control.d |
| <b>Type</b>             | Sample               | <b>Sample</b>    | p1 Negative Control   |
| <b>Acq. Method</b>      | AM 28 MDQ P1.m       | <b>Operator</b>  | Tamara Salazar        |
| <b>Sample Position</b>  | P6-C11               | <b>Comment</b>   |                       |
| <b>Injection Volume</b> | 2                    |                  |                       |
| <b>Acq. Date-Time</b>   | 11/8/2021 8:06:40 PM |                  |                       |
| <b>Sample Info.</b>     |                      |                  |                       |

## Sample Chromatogram



TS

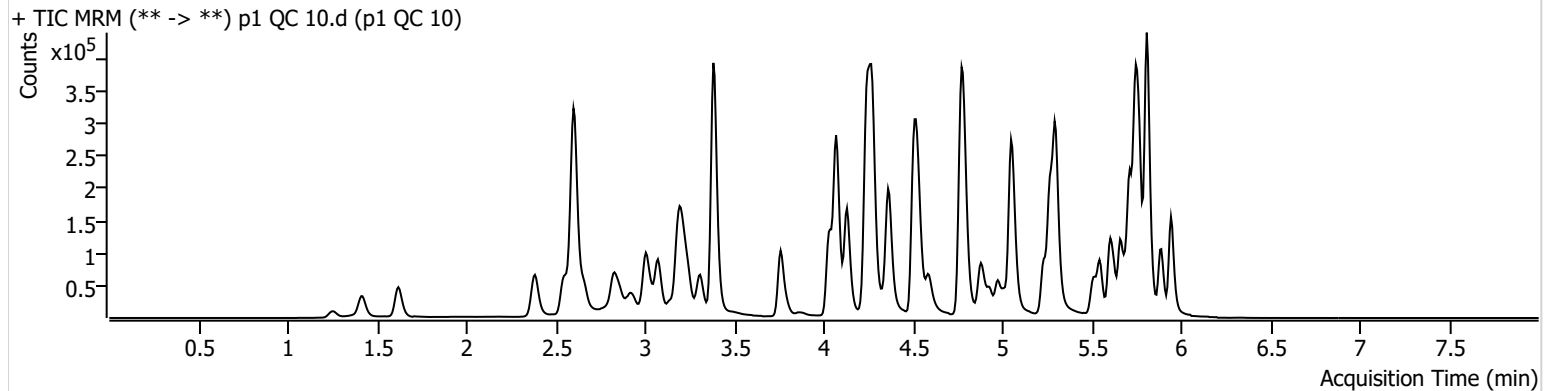


# AM #28 Multi-Drug Quant. Results

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28\_P1\_TS.batch.bin  
**Calibration Last Update** 11/10/2021 9:34:31 AM

|                         |                      |                  |                |
|-------------------------|----------------------|------------------|----------------|
| <b>Instrument</b>       | Falco (069901)       | <b>Data File</b> | p1 QC 10.d     |
| <b>Type</b>             | QC                   | <b>Sample</b>    | p1 QC 10       |
| <b>Acq. Method</b>      | AM 28 MDQ P1.m       | <b>Operator</b>  | Tamara Salazar |
| <b>Sample Position</b>  | P6-H11               | <b>Comment</b>   |                |
| <b>Injection Volume</b> | 2                    |                  |                |
| <b>Acq. Date-Time</b>   | 11/8/2021 6:52:19 PM |                  |                |

**Sample Chromatogram**



| Name                | RT               | Resp.          | S/N               | Ratio           | S/N               | ISTD Resp.       | Final Conc.             |
|---------------------|------------------|----------------|-------------------|-----------------|-------------------|------------------|-------------------------|
| 6-MAM               | 3.151            | 1589           | 898.43            | 67.9            | 1911.84           | 38632            | 1.0458 ng/ml            |
| 7-aminoclonazepam   | 4.244            | 25604          | 457.23            | 79.0            | 263.07            | 139867           | 11.5998 ng/ml           |
| a-hydroxyalprazolam | 5.692            | 17543          | 241.44            | 73.3            | 364.69            | 242053           | 10.4733 ng/ml           |
| alpha-PHP           | 4.930            | 21532          | 657.46            | 267.5           | 3931.70           | 348652           | 10.6071 ng/ml           |
| alpha-PVP           | 4.370            | 88348          | 973.05            | 49.4            | 2155.16           | 348652           | 10.5429 ng/ml           |
| Alprazolam          | 5.768            | 65050          | 713.12            | 120.2           | 198.84            | 242053           | 10.2552 ng/ml           |
| Amphetamine         | 3.076            | 119385         | 2987.66           | 46.2            | 1123.79           | 101026           | 11.3956 ng/ml           |
| Benzoylcegonine     | 3.886            | 2603           | 452.22            | 9.8             | 745.22            | 6871             | 11.5895 ng/ml           |
| * Buprenorphine     | <del>5.643</del> | <del>756</del> | <del>513.20</del> | <del>18.0</del> | <del>244.60</del> | <del>24001</del> | <del>1.0970 ng/ml</del> |
| Bupropion           | 4.788            | 64426          | 220.34            | 68.0            | 774.77            | 184542           | 10.5346 ng/ml           |
| Carisoprodol        | 5.724            | 68404          | 203486.93         | 51.6            | 425.46            | 250198           | 10.7879 ng/ml           |
| Citalopram          | 5.232            | 39176          | 776.91            | 33.5            | 11141.10          | 149315           | 11.0042 ng/ml           |
| Clonazepam          | 5.605            | 90904          | 5010.94           | 34.3            | 4005.96           | 98806            | 11.5398 ng/ml           |
| Clonazepam          | 5.548            | 54291          | 5082.22           | 31.2            | 14652.96          | 98806            | 11.1969 ng/ml           |
| Cocaine             | 4.271            | 72614          | 591.17            | 51.1            | 6845.25           | 494927           | 10.2683 ng/ml           |
| Codeine             | 2.593            | 9127           | 47963.64          | 114.4           | 3512.95           | 43906            | 11.0945 ng/ml           |
| Cyclobenzaprine     | 5.628            | 9822           | 1081.72           | 9.1             | 88.76             | 48213            | 11.1340 ng/ml           |
| Dextromethorphan    | 5.275            | 17585          | 4787.60           | 79.5            | 40.58             | 75022            | 11.5346 ng/ml           |
| Dextrophan          | 4.132            | 24212          | 33924.33          | 217.3           | 2990.06           | 291315           | 11.2055 ng/ml           |
| Diazepam            | 5.953            | 49789          | 256.14            | 88.5            | 1542.69           | 211668           | 11.1400 ng/ml           |
| Dihydrocodeine      | 2.579            | 25051          | 913.35            | 56.8            | 3240.50           | 133228           | 11.0759 ng/ml           |
| Diphenhydramine     | 5.303            | 99091          | 4730.83           | 28.2            | 235.11            | 455631           | 11.3309 ng/ml           |
| Doxylamine          | 4.529            | 179016         | 2162.11           | 103.8           | 11519.97          | 691775           | 10.4683 ng/ml           |
| EDDP                | 5.268            | 58564          | 633.05            | 43.3            | 1087.76           | 295361           | 11.0334 ng/ml           |
| Etizolam            | 5.813            | 32076          | 63512.70          | 29.8            | 1544.11           | 98806            | 10.7880 ng/ml           |
| Fentanyl            | 5.082            | 1188           | 82.28             | 85.6            | 3938.14           | 74325            | 1.0614 ng/ml            |
| Flualprazolam       | 5.698            | 23384          | 192.67            | 96.0            | 4016.08           | 242053           | 10.4170 ng/ml           |
| Fluoxetine          | 5.721            | 9877           | 118.19            | 7.7             | 236.34            | 27553            | 12.2874 ng/ml           |
| Hydrocodone         | 3.039            | 35896          | 177.56            | 30.2            | 76.91             | 176896           | 11.4494 ng/ml           |
| Hydromorphone       | 1.628            | 31630          | 955.37            | 71.8            | 671.22            | 92039            | 10.9148 ng/ml           |
| Ketamine            | 4.044            | 71887          | 7428.80           | 38.6            | 122.40            | 261096           | 10.8217 ng/ml           |
| Lamotrigine         | 4.280            | 6752           | 116.53            | 81.7            | 2909.73           | 261096           | 11.7554 ng/ml           |
| Levetiracetam       | 2.663            | 35479          | 683.05            | 144.8           | 1701.18           | 699519           | 10.2215 ng/ml           |

p1 QC 10

\*Outside curve range.

Generated at 12:19 PM on 11/10/2021

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# AM #28 Multi-Drug Quant. Results

| Name                 | RT    | Resp.  | S/N     | Ratio | S/N       | ISTD Resp. | Final Conc.   |
|----------------------|-------|--------|---------|-------|-----------|------------|---------------|
| Lorazepam            | 5.747 | 80517  | 4437.29 | 49.2  | 293.35    | 98806      | 11.3463 ng/ml |
| MDA                  | 3.223 | 89356  | 646.61  | 28.8  | 40.63     | 220160     | 11.3156 ng/ml |
| MDMA                 | 3.310 | 53947  | 1153.88 | 94.4  | 576.99    | 59896      | 10.4480 ng/ml |
| Meprobamate          | 4.904 | 34982  | 216.84  | 25.7  | 75.54     | 170301     | 11.5840 ng/ml |
| Methadone            | 5.666 | 38816  | 287.84  | 58.7  | 153.00    | 158778     | 10.3196 ng/ml |
| Methamphetamine      | 3.244 | 78633  | 529.84  | 41.1  | 255.93    | 268796     | 12.4233 ng/ml |
| Metoprolol           | 4.340 | 18402  | 942.27  | 84.1  | 753.73    | 636650     | 11.3818 ng/ml |
| Mirtazapine          | 4.590 | 79721  | 1888.79 | 45.8  | 650.39    | 348652     | 10.5153 ng/ml |
| Mitragynine          | 5.210 | 7921   | 438.53  | 38.5  | 3779.69   | 158778     | 10.4114 ng/ml |
| Morphine             | 1.261 | 5038   | 1637.79 | 19.8  | 130.05    | 6930       | 11.2819 ng/ml |
| Norbuprenorphine     | 5.006 | 110    | 144.30  | 86.6  | 173.39    | 3875       | 1.2538 ng/ml  |
| Nordiazepam          | 5.893 | 45677  | 575.92  | 58.1  | 458.33    | 132970     | 10.8791 ng/ml |
| Norfentanyl          | 4.093 | 15642  | 1677.69 | 32.0  | 124.44    | 621492     | 1.1123 ng/ml  |
| Norhydrocodone       | 3.086 | 3715   | 59.82   | 35.5  | 30.27     | 40923      | 11.0173 ng/ml |
| Noroxycodone         | 2.936 | 30335  | 381.32  | 49.8  | 1760.04   | 77854      | 10.9984 ng/ml |
| O-desmethyl-tramadol | 3.389 | 156932 | 776.53  | 6.8   | 828.22    | 789607     | 10.6421 ng/ml |
| Oxazepam             | 5.749 | 89272  | 1397.89 | 75.8  | 245.31    | 373613     | 10.7723 ng/ml |
| Oxycodone            | 2.854 | 64388  | 729.29  | 28.0  | 1045.82   | 195853     | 10.9546 ng/ml |
| Oxymorphone          | 1.418 | 27236  | 869.09  | 46.2  | 366.96    | 74524      | 10.7828 ng/ml |
| Phentermine          | 3.797 | 21259  | 194.05  | 7.1   | 43.97     | 259128     | 10.8921 ng/ml |
| Promethazine         | 5.545 | 18886  | 1434.22 | 29.8  | 120.80    | 76846      | 10.6667 ng/ml |
| Pseudoephedrine      | 2.610 | 156738 | 487.13  | 16.0  | 167.75    | 699519     | 11.2468 ng/ml |
| Quetiapine           | 5.514 | 57196  | 4241.13 | 51.7  | 107648.32 | 62791      | 11.3534 ng/ml |
| Sertraline           | 5.789 | 3359   | 90.01   | 99.5  | 101.98    | 10574      | 12.5695 ng/ml |
| Temazepam            | 5.816 | 137759 | 397.98  | 29.7  | 134.46    | 668684     | 10.5969 ng/ml |
| Tramadol             | 4.259 | 147653 | 240.88  | 3.8   | 58.26     | 636650     | 10.7241 ng/ml |
| Trazodone            | 5.013 | 39524  | 770.57  | 75.5  | 4867.64   | 128182     | 11.0807 ng/ml |
| Venlafaxine          | 5.050 | 107753 | 1323.11 | 38.7  | 1014.26   | 485974     | 10.9163 ng/ml |
| Zolpidem             | 4.792 | 160827 | 2365.88 | 31.5  | 839.44    | 659472     | 10.6829 ng/ml |

# AM #28 Multi-Drug Quant. Results

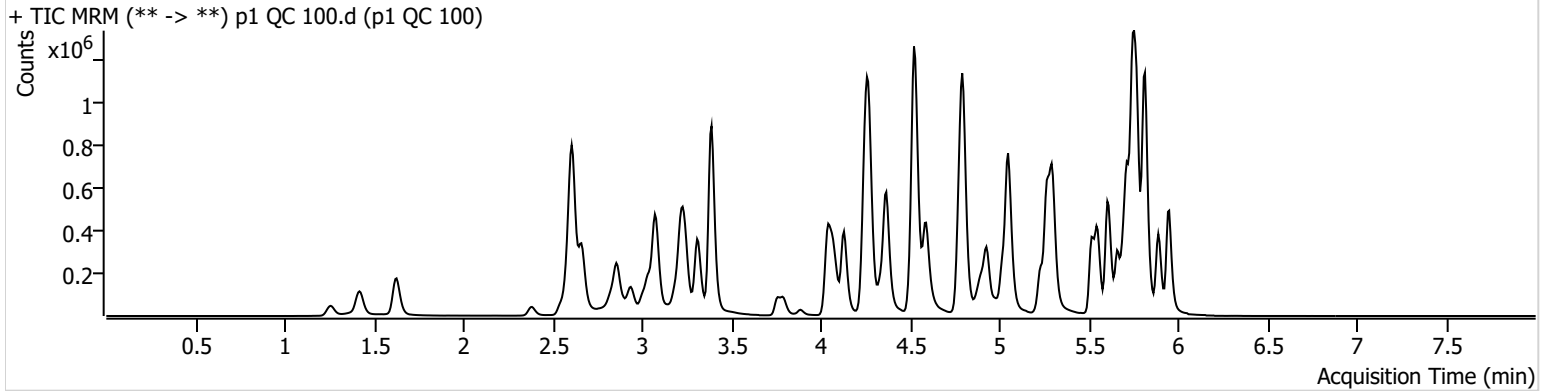
TS



**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28\_P1\_TS.batch.bin  
**Calibration Last Update** 11/10/2021 9:34:31 AM

|                         |                      |                  |                |
|-------------------------|----------------------|------------------|----------------|
| <b>Instrument</b>       | Falco (069901)       | <b>Data File</b> | p1 QC 100.d    |
| <b>Type</b>             | QC                   | <b>Sample</b>    | p1 QC 100      |
| <b>Acq. Method</b>      | AM 28 MDQ P1.m       | <b>Operator</b>  | Tamara Salazar |
| <b>Sample Position</b>  | P6-G11               | <b>Comment</b>   |                |
| <b>Injection Volume</b> | 2                    |                  |                |
| <b>Acq. Date-Time</b>   | 11/9/2021 4:14:44 AM |                  |                |

**Sample Chromatogram**



| Name                | RT    | Resp.   | S/N       | Ratio | S/N       | ISTD Resp. | Final Conc.    |
|---------------------|-------|---------|-----------|-------|-----------|------------|----------------|
| 6-MAM               | 3.151 | 15116   | 48286.13  | 71.8  | 5901.99   | 35064      | 11.4400 ng/ml  |
| 7-aminoclonazepam   | 4.244 | 215301  | 12739.62  | 78.5  | 408.56    | 128089     | 119.5045 ng/ml |
| a-hydroxyalprazolam | 5.692 | 135339  | 8195.89   | 75.5  | 430.35    | 203427     | 108.9714 ng/ml |
| alpha-PPH           | 4.930 | 178301  | 8423.49   | 267.2 | 1570.61   | 288744     | 111.0839 ng/ml |
| alpha-PVP           | 4.370 | 734513  | 23889.74  | 49.2  | 2754.18   | 288744     | 110.4753 ng/ml |
| Alprazolam          | 5.768 | 584509  | 479.30    | 114.8 | 1018.59   | 203427     | 108.3759 ng/ml |
| Amphetamine         | 3.076 | 833153  | 14092.75  | 44.9  | 6879.82   | 77433      | 117.0110 ng/ml |
| Benzoylcegonine     | 3.886 | 28381   | 2624.73   | 8.0   | 7542.28   | 6100       | 121.9825 ng/ml |
| Buprenorphine       | 5.649 | 5414    | 14359.10  | 16.1  | 1274.64   | 17801      | 11.7554 ng/ml  |
| Bupropion           | 4.781 | 461348  | 46508.94  | 66.2  | 550.60    | 137658     | 117.5177 ng/ml |
| Carisoprodol        | 5.724 | 566233  | 555202.87 | 49.8  | 4522.39   | 213333     | 107.9737 ng/ml |
| Citalopram          | 5.232 | 286995  | 1234.65   | 35.9  | 1770.80   | 114141     | 110.3830 ng/ml |
| Clonazepam          | 5.605 | 774010  | 1924.02   | 34.6  | 234.97    | 89642      | 117.2599 ng/ml |
| Clonazepam          | 5.548 | 466417  | 17913.97  | 31.8  | 339172.12 | 89642      | 115.6894 ng/ml |
| Cocaine             | 4.271 | 600005  | 302.03    | 53.3  | 52830.59  | 430761     | 110.7167 ng/ml |
| Codeine             | 2.600 | 78262   | 9759.57   | 108.2 | 108788.89 | 38302      | 118.7097 ng/ml |
| Cyclobenzaprine     | 5.628 | 53731   | 114747.38 | 8.9   | 178.93    | 25917      | 104.1589 ng/ml |
| Dextromethorphan    | 5.282 | 112766  | 5640.79   | 82.0  | 192.77    | 52361      | 112.5758 ng/ml |
| Dextrophan          | 4.132 | 204790  | 11007.83  | 215.4 | 1765.03   | 252901     | 111.5553 ng/ml |
| Diazepam            | 5.953 | 439527  | 13302.99  | 89.0  | 11814.46  | 193326     | 115.7371 ng/ml |
| Dihydrocodeine      | 2.579 | 219059  | 378.06    | 58.4  | 206.68    | 122154     | 115.3248 ng/ml |
| Diphenhydramine     | 5.303 | 713810  | 763137.44 | 28.9  | 276.06    | 337895     | 110.3966 ng/ml |
| Doxylamine          | 4.522 | 1565561 | 66791.68  | 103.0 | 1481.79   | 605140     | 109.7278 ng/ml |
| EDDP                | 5.268 | 617720  | 28176.61  | 43.2  | 637.00    | 326698     | 109.2814 ng/ml |
| Etizolam            | 5.813 | 273574  | 28331.63  | 28.5  | 126574.86 | 89642      | 104.4919 ng/ml |
| Fentanyl            | 5.082 | 7298    | 197.96    | 78.4  | 17996.77  | 44630      | 10.7456 ng/ml  |
| Flualprazolam       | 5.698 | 195439  | 6245.37   | 97.9  | 6179.11   | 203427     | 110.6757 ng/ml |
| Fluoxetine          | 5.721 | 33208   | 15118.62  | 8.0   | 5873.53   | 11433      | 101.4714 ng/ml |
| Hydrocodone         | 3.039 | 306586  | 289.98    | 30.1  | 200.79    | 164889     | 115.3911 ng/ml |
| Hydromorphone       | 1.628 | 274265  | 2817.42   | 73.6  | 2189.68   | 81007      | 113.2054 ng/ml |
| Ketamine            | 4.044 | 619439  | 1697.33   | 39.4  | 347.11    | 230515     | 117.3011 ng/ml |
| Lamotrigine         | 4.280 | 55918   | 771.35    | 85.8  | 19471.17  | 230515     | 116.3341 ng/ml |
| Levetiracetam       | 2.663 | 309064  | 13328.51  | 144.9 | 21764.28  | 592245     | 119.0669 ng/ml |

TS



# AM #28 Multi-Drug Quant. Results

| Name                 | RT    | Resp.   | S/N        | Ratio | S/N       | ISTD Resp. | Final Conc.    |
|----------------------|-------|---------|------------|-------|-----------|------------|----------------|
| Lorazepam            | 5.747 | 557751  | 16035.52   | 48.4  | 1171.00   | 89642      | 100.2327 ng/ml |
| MDA                  | 3.223 | 648830  | 729.75     | 29.2  | 794.20    | 175219     | 118.6149 ng/ml |
| MDMA                 | 3.310 | 445494  | 1220297.21 | 93.1  | 5584.46   | 50175      | 110.5689 ng/ml |
| Meprobamate          | 4.904 | 280429  | 56129.64   | 25.7  | 3472.90   | 154038     | 119.5689 ng/ml |
| Methadone            | 5.659 | 285411  | 723.07     | 56.5  | 1948.06   | 114765     | 111.2691 ng/ml |
| Methamphetamine      | 3.244 | 459106  | 5592.69    | 41.5  | 2207.25   | 207415     | 115.7241 ng/ml |
| Metoprolol           | 4.333 | 152019  | 2301.80    | 83.5  | 3926.87   | 534736     | 123.5059 ng/ml |
| Mirtazapine          | 4.590 | 647878  | 3536.79    | 45.3  | 3310.47   | 288744     | 107.7340 ng/ml |
| Mitragynine          | 5.210 | 57145   | 48920.02   | 33.7  | 191.45    | 114765     | 114.7802 ng/ml |
| Morphine             | 1.261 | 45155   | 228.80     | 20.2  | 21.25     | 6444       | 116.1039 ng/ml |
| Norbuprenorphine     | 5.006 | 591     | 20.76      | 96.7  | 1090.62   | 2994       | 11.0136 ng/ml  |
| Nordiazepam          | 5.893 | 401119  | 18818.51   | 59.0  | 1473.35   | 119472     | 115.1285 ng/ml |
| Norfentanyl          | 4.093 | 130715  | 1269.12    | 31.8  | 532.79    | 544802     | 10.8278 ng/ml  |
| Norhydrocodone       | 3.093 | 28983   | 95.13      | 37.3  | 64.94     | 31554      | 110.3331 ng/ml |
| Noroxycodone         | 2.936 | 244581  | 1555.19    | 50.4  | 415.35    | 67008      | 111.1155 ng/ml |
| O-desmethyl-tramadol | 3.389 | 1396253 | 60206.99   | 6.7   | 627.72    | 707627     | 111.0221 ng/ml |
| Oxazepam             | 5.749 | 694721  | 7122.19    | 78.0  | 3629.57   | 299234     | 117.6118 ng/ml |
| Oxycodone            | 2.854 | 561558  | 6899.84    | 29.9  | 380.84    | 180079     | 113.1088 ng/ml |
| Oxymorphone          | 1.418 | 227832  | ∞          | 46.3  | ∞         | 63774      | 115.7325 ng/ml |
| Phentermine          | 3.797 | 163660  | 1284.99    | 7.0   | 136.07    | 208509     | 117.3746 ng/ml |
| Promethazine         | 5.545 | 99862   | 4037.28    | 31.4  | 233.55    | 41003      | 110.1646 ng/ml |
| Pseudoephedrine      | 2.616 | 1289577 | 34436.37   | 16.5  | 324007.15 | 592245     | 102.9663 ng/ml |
| Quetiapine           | 5.514 | 493129  | 303.74     | 56.0  | 12682.07  | 57931      | 113.7962 ng/ml |
| Sertraline           | 5.782 | 10171   | 482.30     | 105.2 | 9009.89   | 4604       | 94.2760 ng/ml  |
| Temazepam            | 5.816 | 1149626 | 10005.92   | 28.9  | 4460.20   | 575783     | 115.3530 ng/ml |
| Tramadol             | 4.252 | 1239640 | 54294.96   | 3.9   | 181.14    | 534736     | 117.4128 ng/ml |
| Trazodone            | 5.020 | 346412  | 789596.40  | 76.3  | 274696.29 | 116875     | 110.2190 ng/ml |
| Venlafaxine          | 5.050 | 919789  | 1639.87    | 38.9  | 742.11    | 422412     | 111.3570 ng/ml |
| Zolpidem             | 4.799 | 1494062 | 15654.49   | 31.2  | 3953.00   | 623876     | 114.1983 ng/ml |

TS

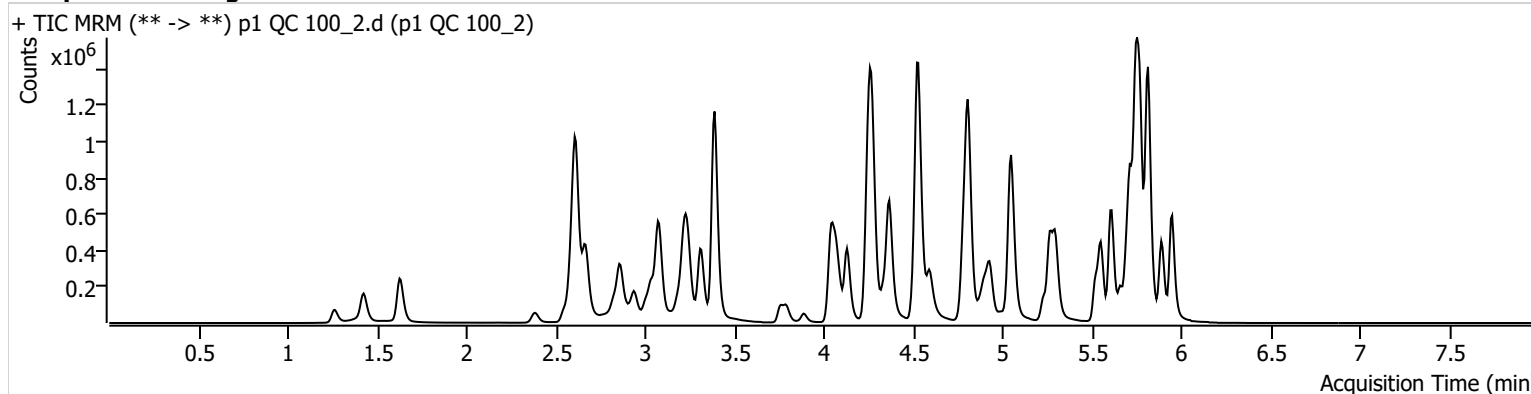


# AM #28 Multi-Drug Quant. Results

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28\_P1\_TS.batch.bin  
**Calibration Last Update** 11/10/2021 9:34:31 AM

|                         |                       |                  |                |
|-------------------------|-----------------------|------------------|----------------|
| <b>Instrument</b>       | Falco (069901)        | <b>Data File</b> | p1 QC 100_2.d  |
| <b>Type</b>             | QC                    | <b>Sample</b>    | p1 QC 100_2    |
| <b>Acq. Method</b>      | AM 28 MDQ P1.m        | <b>Operator</b>  | Tamara Salazar |
| <b>Sample Position</b>  | P6-G11                | <b>Comment</b>   |                |
| <b>Injection Volume</b> | 2                     |                  |                |
| <b>Acq. Date-Time</b>   | 11/10/2021 3:34:17 AM |                  |                |
| <b>Sample Info.</b>     |                       |                  |                |

**Sample Chromatogram**



| Name                | RT    | Resp.   | S/N        | Ratio | S/N        | ISTD Resp. | Final Conc.    |
|---------------------|-------|---------|------------|-------|------------|------------|----------------|
| 6-MAM               | 3.151 | 18508   | 1881.96    | 75.4  | 78842.37   | 44140      | 11.1255 ng/ml  |
| 7-aminoclonazepam   | 4.251 | 273443  | 52291.97   | 78.6  | 7736.67    | 161870     | 120.1103 ng/ml |
| a-hydroxyalprazolam | 5.692 | 163817  | 2096.18    | 77.5  | 380.35     | 250021     | 107.2962 ng/ml |
| alpha-PHP           | 4.930 | 170354  | 2567.65    | 267.1 | 3999.88    | 333234     | 91.8668 ng/ml  |
| alpha-PVP           | 4.370 | 845020  | 27013.82   | 49.3  | 12444.05   | 333234     | 110.1258 ng/ml |
| Alprazolam          | 5.775 | 739807  | 4600.80    | 113.2 | 1012.64    | 250021     | 111.6031 ng/ml |
| Amphetamine         | 3.076 | 969399  | 23238.69   | 44.3  | 3549.73    | 95395      | 110.4200 ng/ml |
| Benzoylcegonine     | 3.886 | 55784   | 2154.69    | 7.9   | 368.83     | 8142       | 178.7636 ng/ml |
| Buprenorphine       | 5.670 | 2854    | 161.24     | 18.1  | 1178.01    | 10069      | 10.9438 ng/ml  |
| Bupropion           | 4.781 | 359017  | 1604.64    | 67.0  | 1103.38    | 115006     | 109.3331 ng/ml |
| Carisoprodol        | 5.724 | 702169  | 925263.52  | 49.3  | 2838.08    | 266787     | 107.0647 ng/ml |
| Citalopram          | 5.232 | 179017  | 1801.01    | 36.6  | 61476.15   | 75678      | 103.8133 ng/ml |
| Clonazepam          | 5.612 | 935402  | 35500.67   | 33.8  | 174535.63  | 108515     | 117.0623 ng/ml |
| Clonazepam          | 5.548 | 594316  | 1275976.38 | 32.5  | 504293.13  | 108515     | 121.8352 ng/ml |
| Cocaine             | 4.271 | 741306  | 1998.27    | 52.5  | 564.61     | 527004     | 111.8247 ng/ml |
| Codeine             | 2.600 | 96544   | 246.75     | 109.1 | 342.59     | 47775      | 117.3905 ng/ml |
| Cyclobenzaprine     | 5.628 | 31493   | 52548.74   | 9.6   | 107.58     | 15465      | 102.3264 ng/ml |
| Dextromethorphan    | 5.275 | 66626   | 247.95     | 81.7  | 702.09     | 29812      | 116.8534 ng/ml |
| Dextrophan          | 4.132 | 212196  | 17479.68   | 213.0 | 873.50     | 251819     | 116.0976 ng/ml |
| Diazepam            | 5.953 | 526450  | 20644.44   | 87.6  | 20450.52   | 233206     | 114.9130 ng/ml |
| Dihydrocodeine      | 2.579 | 286493  | 16832.05   | 58.2  | 903.09     | 159272     | 115.6789 ng/ml |
| Diphenhydramine     | 5.303 | 502102  | 149397.45  | 28.9  | 4146.98    | 237511     | 110.4752 ng/ml |
| Doxylamine          | 4.529 | 1754412 | 115076.38  | 103.3 | 138870.32  | 694383     | 107.1473 ng/ml |
| EDDP                | 5.268 | 520205  | 37357.47   | 43.3  | 9721.16    | 266793     | 112.7091 ng/ml |
| Etizolam            | 5.813 | 339283  | 14819.05   | 28.6  | 310949.50  | 108515     | 107.0604 ng/ml |
| Fentanyl            | 5.082 | 4470    | 16.10      | 77.9  | 71.11      | 27122      | 10.8300 ng/ml  |
| Flualprazolam       | 5.698 | 252920  | 12782.61   | 99.9  | 35076.81   | 250021     | 116.5766 ng/ml |
| Fluoxetine          | 5.721 | 25326   | 121.28     | 7.1   | 1454.86    | 8405       | 105.2785 ng/ml |
| Hydrocodone         | 3.039 | 388129  | 2510.35    | 30.6  | ∞          | 203130     | 118.6158 ng/ml |
| Hydromorphone       | 1.635 | 340602  | 2894.25    | 73.8  | 1163435.94 | 102190     | 111.4353 ng/ml |
| Ketamine            | 4.044 | 783133  | 84572.71   | 39.5  | 595.77     | 292431     | 116.8955 ng/ml |
| Lamotrigine         | 4.287 | 68220   | 830.41     | 85.3  | 628.81     | 292431     | 111.8495 ng/ml |
| Levetiracetam       | 2.670 | 410283  | 9617.18    | 143.2 | 513.10     | 750395     | 124.8210 ng/ml |

TS



# AM #28 Multi-Drug Quant. Results

| Name                 | RT    | Resp.   | S/N        | Ratio | S/N       | ISTD Resp. | Final Conc.    |
|----------------------|-------|---------|------------|-------|-----------|------------|----------------|
| Lorazepam            | 5.747 | 614970  | 11626.29   | 49.0  | 1955.16   | 108515     | 91.1117 ng/ml  |
| MDA                  | 3.223 | 741465  | 6003.19    | 29.4  | 582.28    | 201105     | 118.0935 ng/ml |
| MDMA                 | 3.316 | 503929  | 1262466.49 | 93.3  | 5688.82   | 57746      | 108.6602 ng/ml |
| Meprobamate          | 4.904 | 371951  | 78622.42   | 25.0  | 6812.14   | 200395     | 121.9468 ng/ml |
| Methadone            | 5.659 | 160756  | 589.12     | 55.5  | 328.46    | 67005      | 107.3193 ng/ml |
| Methamphetamine      | 3.244 | 549229  | 1130.79    | 40.8  | 2839.83   | 252177     | 113.8144 ng/ml |
| Metoprolol           | 4.333 | 182018  | 430728.84  | 85.6  | 1744.88   | 667751     | 118.3668 ng/ml |
| Mirtazapine          | 4.597 | 364284  | 71950.42   | 46.6  | 4346.25   | 333234     | 52.2237 ng/ml  |
| Mitragynine          | 5.216 | 25447   | 233.63     | 30.0  | 14595.60  | 67005      | 87.2571 ng/ml  |
| Morphine             | 1.267 | 56533   | 1094.68    | 20.6  | 366.20    | 8285       | 113.0227 ng/ml |
| Norbuprenorphine     | 5.006 | 386     | 1277.04    | 87.7  | 1869.02   | 1818       | 11.8770 ng/ml  |
| Nordiazepam          | 5.893 | 466913  | 998.86     | 59.6  | 5480.48   | 140810     | 113.6923 ng/ml |
| Norfentanyl          | 4.093 | 162496  | 26398.74   | 33.0  | 895.93    | 676028     | 10.8476 ng/ml  |
| Norhydrocodone       | 3.093 | 36181   | ∞          | 35.0  | 52.13     | 37883      | 114.7201 ng/ml |
| Noroxycodone         | 2.936 | 311178  | 1393.33    | 48.5  | 5497.10   | 85009      | 111.4391 ng/ml |
| O-desmethyl-tramadol | 3.389 | 1831733 | 120825.52  | 6.7   | 452.32    | 931888     | 110.5959 ng/ml |
| Oxazepam             | 5.749 | 824867  | 7434.25    | 76.2  | 11920.46  | 352805     | 118.4513 ng/ml |
| Oxycodone            | 2.854 | 738493  | 1996.15    | 29.5  | 2113.51   | 237650     | 112.7091 ng/ml |
| Oxymorphone          | 1.425 | 291995  | 2444.20    | 45.0  | 1811.89   | 83209      | 113.6593 ng/ml |
| Phentermine          | 3.797 | 182600  | 295.25     | 7.3   | 159.20    | 235387     | 115.9863 ng/ml |
| Promethazine         | 5.545 | 59540   | 3545.88    | 30.7  | 106.06    | 25848      | 104.1649 ng/ml |
| Pseudoephedrine      | 2.616 | 1663961 | 29993.54   | 16.4  | 42203.88  | 750395     | 104.8449 ng/ml |
| Quetiapine           | 5.521 | 341681  | 984241.84  | 53.3  | 319.02    | 39950      | 114.3398 ng/ml |
| Sertraline           | 5.789 | 9347    | 587.73     | 108.8 | 1092.59   | 3861       | 103.4209 ng/ml |
| Temazepam            | 5.816 | 1434674 | 804.86     | 28.7  | 360.79    | 696572     | 119.0381 ng/ml |
| Tramadol             | 4.252 | 1560547 | ∞          | 3.8   | 220.31    | 667751     | 118.3737 ng/ml |
| Trazodone            | 5.034 | 246055  | 175578.42  | 75.8  | 293234.83 | 85041      | 107.5844 ng/ml |
| Venlafaxine          | 5.050 | 1090210 | 88879.00   | 38.6  | 1289.18   | 493945     | 112.8814 ng/ml |
| Zolpidem             | 4.806 | 1899511 | 12467.09   | 30.8  | 4020.16   | 789028     | 114.8047 ng/ml |



# AM #28 Multi-Drug Quant. Results

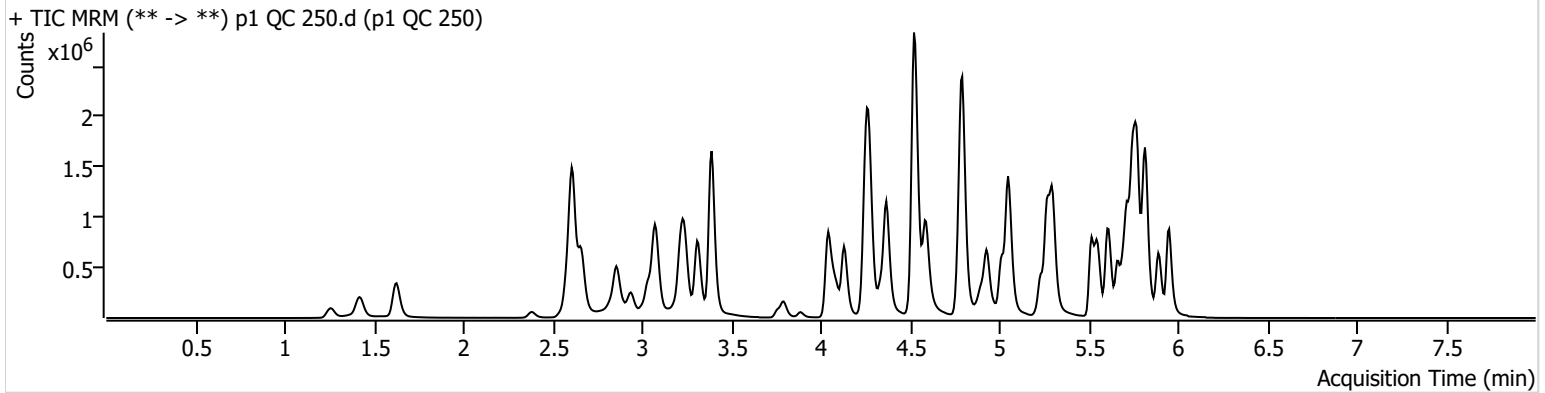
TS



**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28\_P1\_TS.batch.bin  
**Calibration Last Update** 11/10/2021 9:34:31 AM

|                         |                      |                  |                |
|-------------------------|----------------------|------------------|----------------|
| <b>Instrument</b>       | Falco (069901)       | <b>Data File</b> | p1 QC 250.d    |
| <b>Type</b>             | QC                   | <b>Sample</b>    | p1 QC 250      |
| <b>Acq. Method</b>      | AM 28 MDQ P1.m       | <b>Operator</b>  | Tamara Salazar |
| <b>Sample Position</b>  | P6-F11               | <b>Comment</b>   |                |
| <b>Injection Volume</b> | 2                    |                  |                |
| <b>Acq. Date-Time</b>   | 11/8/2021 7:13:34 PM |                  |                |

**Sample Chromatogram**



| Name                | RT    | Resp.   | S/N       | Ratio | S/N       | ISTD Resp. | Final Conc.    |
|---------------------|-------|---------|-----------|-------|-----------|------------|----------------|
| 6-MAM               | 3.151 | 34432   | 999.79    | 71.7  | 34398.47  | 34406      | 26.6246 ng/ml  |
| 7-aminoclonazepam   | 4.244 | 431128  | 13105.49  | 79.2  | 19803.09  | 116391     | 265.2641 ng/ml |
| a-hydroxyalprazolam | 5.692 | 219606  | 233.39    | 75.8  | 2812.41   | 161583     | 224.2460 ng/ml |
| alpha-PHP           | 4.930 | 390567  | 27921.45  | 265.4 | 47079.26  | 261662     | 269.3033 ng/ml |
| alpha-PVP           | 4.370 | 1629959 | 24153.78  | 50.0  | 58302.55  | 261662     | 271.2726 ng/ml |
| Alprazolam          | 5.775 | 1212979 | 1813.98   | 114.5 | 1351.61   | 161583     | 282.9325 ng/ml |
| Amphetamine         | 3.076 | 1744932 | 873.17    | 43.8  | 430.60    | 72446      | 263.9586 ng/ml |
| Benzoylecgonine     | 3.886 | 59798   | 3104.71   | 8.2   | 311.74    | 5532       | 281.0212 ng/ml |
| Buprenorphine       | 5.643 | 9996    | 1408.44   | 17.3  | 3614.99   | 14668      | 26.5034 ng/ml  |
| Bupropion           | 4.781 | 965204  | 41516.11  | 66.5  | 15748.95  | 123425     | 276.7561 ng/ml |
| Carisoprodol        | 5.724 | 999060  | 56850.87  | 50.4  | 7163.90   | 153267     | 265.7112 ng/ml |
| Citalopram          | 5.232 | 619860  | 743.77    | 36.0  | 3144.54   | 99913      | 273.1997 ng/ml |
| Clonazepam          | 5.605 | 1417829 | 20988.75  | 34.6  | 30215.90  | 71671      | 270.0362 ng/ml |
| Clonazepam          | 5.548 | 890546  | 61548.97  | 33.5  | 376841.54 | 71671      | 277.8614 ng/ml |
| Cocaine             | 4.271 | 1345834 | 13444.98  | 53.5  | 1189.82   | 398436     | 270.7095 ng/ml |
| Codeine             | 2.593 | 151856  | 89502.91  | 108.4 | 20494.58  | 34292      | 258.5504 ng/ml |
| Cyclobenzaprine     | 5.628 | 111986  | 424.98    | 8.6   | 4142.16   | 21720      | 257.5465 ng/ml |
| Dextromethorphan    | 5.282 | 232850  | 21680.22  | 79.6  | 299.37    | 44793      | 272.8745 ng/ml |
| Dextrophan          | 4.132 | 447561  | 61182.95  | 218.4 | 62571.57  | 220866     | 279.5704 ng/ml |
| Diazepam            | 5.953 | 904411  | 1281.00   | 89.1  | 646.15    | 161659     | 286.1606 ng/ml |
| Dihydrocodeine      | 2.579 | 487931  | 11746.48  | 59.0  | 231345.84 | 117375     | 268.8291 ng/ml |
| Diphenhydramine     | 5.303 | 1552056 | 41573.42  | 29.0  | 10504.22  | 297463     | 272.7220 ng/ml |
| Doxylamine          | 4.522 | 3756645 | 220807.42 | 100.0 | 3208.85   | 578028     | 276.4993 ng/ml |
| EDDP                | 5.268 | 1395000 | 1656.52   | 43.1  | 15660.94  | 296354     | 272.7694 ng/ml |
| Etizolam            | 5.813 | 562118  | 13649.13  | 28.1  | 22712.15  | 71671      | 269.1129 ng/ml |
| Fentanyl            | 5.082 | 15581   | 764.61    | 80.1  | 218.10    | 36257      | 28.2182 ng/ml  |
| Flualprazolam       | 5.698 | 396964  | 14582.08  | 100.7 | 8803.28   | 161583     | 284.2432 ng/ml |
| Fluoxetine          | 5.721 | 60572   | 6589.42   | 8.1   | 6047.96   | 7855       | 269.8463 ng/ml |
| Hydrocodone         | 3.032 | 671716  | 152.36    | 30.8  | 1219.59   | 154301     | 271.8860 ng/ml |
| Hydromorphone       | 1.628 | 603070  | 3770.33   | 74.0  | 915085.98 | 74151      | 272.8372 ng/ml |
| Ketamine            | 4.044 | 1402272 | 971.73    | 39.0  | 6095.31   | 221991     | 277.5403 ng/ml |
| Lamotrigine         | 4.287 | 119033  | 397.91    | 83.3  | 4994.41   | 221991     | 258.0253 ng/ml |
| Levetiracetam       | 2.663 | 639098  | 15813.32  | 143.7 | 844.57    | 529967     | 277.1075 ng/ml |

TS



# AM #28 Multi-Drug Quant. Results

| Name                 | RT    | Resp.             | S/N                 | Ratio | S/N                | ISTD Resp.       | Final Conc.               |
|----------------------|-------|-------------------|---------------------|-------|--------------------|------------------|---------------------------|
| * Lorazepam          | 5.740 | <del>736867</del> | <del>82976.72</del> | 48.5  | <del>1925.61</del> | <del>71671</del> | <del>166.9633 ng/ml</del> |
| MDA                  | 3.223 | 1257865           | 13325.67            | 28.8  | 329.76             | 150633           | 269.8629 ng/ml            |
| MDMA                 | 3.310 | 994373            | 148426.47           | 92.6  | 2494.45            | 44412            | 280.1247 ng/ml            |
| Meprobamate          | 4.904 | 531785            | 250816.35           | 25.1  | 376.14             | 132637           | 265.9110 ng/ml            |
| Methadone            | 5.666 | 605155            | 3153.66             | 56.5  | 43124.29           | 101731           | 267.1030 ng/ml            |
| Methamphetamine      | 3.244 | 1019623           | 1303.72             | 41.1  | 11121.75           | 198298           | 273.2040 ng/ml            |
| Metoprolol           | 4.340 | 326289            | 382258.06           | 84.8  | 9285.37            | 493424           | 289.0191 ng/ml            |
| Mirtazapine          | 4.590 | 1421197           | 9490.25             | 45.5  | 1244.97            | 261662           | 261.5201 ng/ml            |
| Mitragynine          | 5.210 | 117497            | 363.44              | 35.0  | 49753.05           | 101731           | 267.8319 ng/ml            |
| Morphine             | 1.261 | 101751            | 1814.80             | 19.9  | 490.69             | 6043             | 280.1402 ng/ml            |
| Norbuprenorphine     | 5.006 | 1224              | 117.25              | 98.3  | 1973.09            | 2659             | 26.1583 ng/ml             |
| Nordiazepam          | 5.893 | 790717            | 694.43              | 58.4  | 2936.14            | 96479            | 282.4837 ng/ml            |
| Norfentanyl          | 4.093 | 311021            | 374.97              | 32.4  | 685.75             | 532515           | 26.3956 ng/ml             |
| Norhydrocodone       | 3.086 | 65975             | 442.96              | 34.2  | 364.05             | 24957            | 317.3155 ng/ml            |
| Noroxycodone         | 2.936 | 499182            | 1920.43             | 48.5  | 342.15             | 55864            | 273.4245 ng/ml            |
| O-desmethyl-tramadol | 3.389 | 3241845           | 130861.80           | 6.9   | 26936.70           | 666306           | 274.6401 ng/ml            |
| Oxazepam             | 5.749 | 1061784           | 1766.71             | 74.8  | 4872.08            | 189697           | 285.6437 ng/ml            |
| Oxycodone            | 2.854 | 1283482           | 4852.65             | 29.9  | 6451.59            | 171871           | 272.3771 ng/ml            |
| Oxymorphone          | 1.418 | 477607            | 719.54              | 46.4  | ∞                  | 55812            | 278.8631 ng/ml            |
| Phentermine          | 3.797 | 360673            | 793.88              | 6.7   | 824.95             | 195588           | 277.8328 ng/ml            |
| Promethazine         | 5.545 | 206743            | 479.39              | 32.1  | 8337.73            | 35426            | 264.6761 ng/ml            |
| Pseudoephedrine      | 2.616 | 2860657           | 14351.13            | 16.6  | 108509.89          | 529967           | 254.1769 ng/ml            |
| Quetiapine           | 5.514 | 1108627           | 37035.02            | 57.0  | 581866.12          | 53009            | 280.9285 ng/ml            |
| Sertraline           | 5.789 | 19438             | 1617.48             | 95.8  | 123.05             | 2882             | 290.2557 ng/ml            |
| Temazepam            | 5.816 | 1999239           | 74568.35            | 28.7  | 378.82             | 418236           | 278.1977 ng/ml            |
| Tramadol             | 4.259 | 2765316           | 154868.27           | 3.9   | 632.04             | 493424           | 285.4569 ng/ml            |
| Trazodone            | 5.013 | 813442            | 2787.07             | 77.4  | 97416.41           | 112193           | 270.2379 ng/ml            |
| Venlafaxine          | 5.050 | 2064415           | 115590.25           | 38.6  | 13446.59           | 392393           | 269.7224 ng/ml            |
| Zolpidem             | 4.792 | 3533741           | 17310.44            | 29.8  | 180995.99          | 607942           | 278.6839 ng/ml            |

\*Outside curve range.

TS

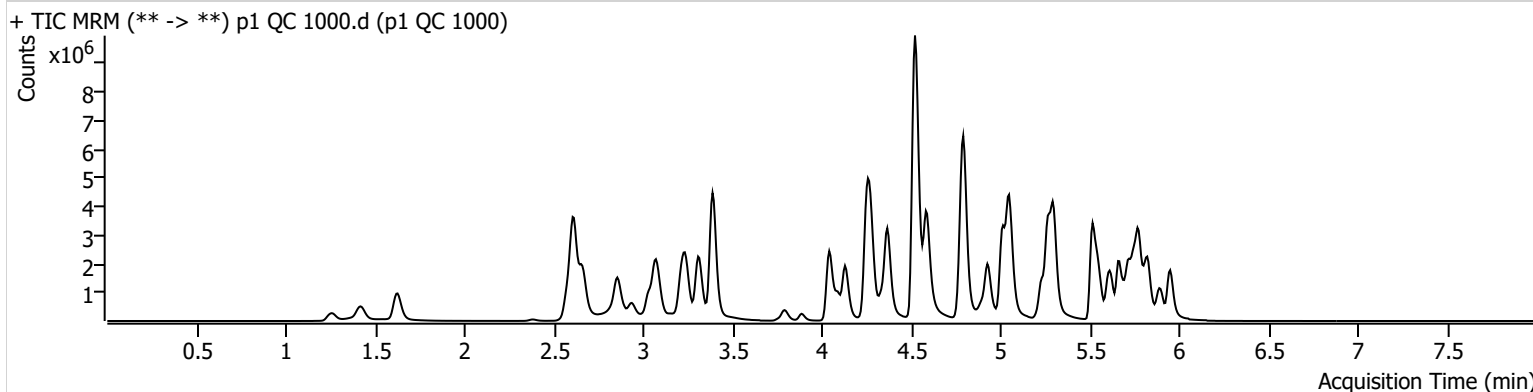


# AM #28 Multi-Drug Quant. Results

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28\_P1\_TS.batch.bin  
**Calibration Last Update** 11/10/2021 9:34:31 AM

|                         |                      |                  |                |
|-------------------------|----------------------|------------------|----------------|
| <b>Instrument</b>       | Falco (069901)       | <b>Data File</b> | p1 QC 1000.d   |
| <b>Type</b>             | QC                   | <b>Sample</b>    | p1 QC 1000     |
| <b>Acq. Method</b>      | AM 28 MDQ P1.m       | <b>Operator</b>  | Tamara Salazar |
| <b>Sample Position</b>  | P6-E11               | <b>Comment</b>   |                |
| <b>Injection Volume</b> | 2                    |                  |                |
| <b>Acq. Date-Time</b>   | 11/8/2021 7:34:46 PM |                  |                |

**Sample Chromatogram**



| Name                  | RT    | Resp.    | S/N         | Ratio | S/N        | ISTD Resp. | Final Conc.     |
|-----------------------|-------|----------|-------------|-------|------------|------------|-----------------|
| 6-MAM                 | 3.151 | 132217   | 3090.78     | 71.4  | 2915.12    | 32654      | 107.8761 ng/ml  |
| * 7-aminoclonazepam   | 4.244 | 914140   | 1772.61     | 79.1  | 11696.60   | 91148      | 720.9358 ng/ml  |
| * a-hydroxyalprazolam | 5.685 | 323979   | 653.52      | 74.9  | 489.51     | 98607      | 544.3316 ng/ml  |
| alpha-PHP             | 4.930 | 1240848  | 3713.07     | 266.0 | 213209.83  | 200727     | 1117.0753 ng/ml |
| alpha-PVP             | 4.370 | 5079508  | 1699.18     | 49.4  | 203123.28  | 200727     | 1103.5829 ng/ml |
| Alprazolam            | 5.775 | 2963755  | 2181.03     | 110.1 | 26775.46   | 98607      | 1132.4249 ng/ml |
| * Amphetamine         | 3.076 | 4266317  | 71315.06    | 45.0  | 32814.36   | 56156      | 836.1078 ng/ml  |
| Benzoylcegonine       | 3.886 | 281814   | 412.06      | 8.3   | 7147.39    | 5878       | 1240.1684 ng/ml |
| Buprenorphine         | 5.643 | 33219    | 1931.29     | 16.3  | 5144.17    | 12742      | 101.7677 ng/ml  |
| * Bupropion           | 4.781 | 1994721  | 224005.97   | 65.3  | 9279.82    | 78596      | 902.4616 ng/ml  |
| Carisoprodol          | 5.724 | 1911224  | 2870352.40  | 50.3  | 7574.69    | 70787      | 1101.7608 ng/ml |
| Citalopram            | 5.232 | 2249238  | 128680.94   | 36.2  | 3745.62    | 86548      | 1146.2497 ng/ml |
| * Clonazepam          | 5.612 | 2934098  | 41767.19    | 34.2  | 1760579.80 | 42807      | 938.2593 ng/ml  |
| Clonazepam            | 5.548 | 1862449  | 33262.20    | 34.5  | 988516.89  | 42807      | 975.7937 ng/ml  |
| Cocaine               | 4.271 | 3916274  | 1290.67     | 53.1  | 128432.23  | 296717     | 1062.3226 ng/ml |
| * Codeine             | 2.593 | 356784   | 327.49      | 105.5 | 606.32     | 26951      | 775.1170 ng/ml  |
| Cyclobenzaprine       | 5.628 | 595981   | 1775.68     | 8.3   | 1007.05    | 26090      | 1137.6640 ng/ml |
| Dextromethorphan      | 5.275 | 775686   | 6769.21     | 78.6  | 508.79     | 36943      | 1104.6183 ng/ml |
| Dextrophan            | 4.132 | 1402207  | 98885.71    | 216.7 | 1581.78    | 165623     | 1168.9116 ng/ml |
| Diazepam              | 5.953 | 2196417  | 26944.09    | 87.9  | 21461.46   | 107001     | 1052.4422 ng/ml |
| * Dihydrocodeine      | 2.572 | 1446038  | 83250.89    | 60.9  | 27701.78   | 117306     | 799.4007 ng/ml  |
| Diphenhydramine       | 5.303 | 5691202  | 397889.58   | 29.0  | 1283.19    | 267799     | 1110.9279 ng/ml |
| Doxylamine            | 4.522 | 14275432 | 592424.75   | 98.4  | 672868.18  | 544453     | 1117.2167 ng/ml |
| EDDP                  | 5.268 | 5020636  | 107640.20   | 42.0  | 42661.73   | 253633     | 1148.5868 ng/ml |
| Etizolam              | 5.813 | 1425653  | 7598.70     | 28.3  | 536152.88  | 42807      | 1143.9358 ng/ml |
| * Fentanyl            | 5.082 | 75037    | 67966.35    | 79.9  | 260186.21  | 36504      | 134.9262 ng/ml  |
| Flualprazolam         | 5.698 | 821150   | 205059.61   | 110.0 | 2076763.93 | 98607      | 965.3856 ng/ml  |
| Fluoxetine            | 5.721 | 276095   | 15448.24    | 8.3   | 864.04     | 8855       | 1091.8968 ng/ml |
| * Hydrocodone         | 3.032 | 2144251  | 1096.04     | 32.5  | 905.16     | 138208     | 972.2682 ng/ml  |
| Hydromorphone         | 1.628 | 1920254  | 15418853.03 | 74.2  | 10289778.4 | 59323      | 1087.8156 ng/ml |
|                       |       |          |             |       | 6          |            |                 |
| Ketamine              | 4.044 | 4673532  | 6185.68     | 37.8  | ∞          | 201415     | 1023.0554 ng/ml |
| * Lamotrigine         | 4.287 | 267724   | 12760.26    | 89.9  | 859.83     | 201415     | 640.6967 ng/ml  |

p1 QC 1000

\*Outside curve range.

Generated at 12:19 PM on 11/10/2021

TS



# AM #28 Multi-Drug Quant. Results

| Name                 | RT               | Resp.              | S/N                  | Ratio           | S/N                   | ISTD Resp.        | Final Conc.                |
|----------------------|------------------|--------------------|----------------------|-----------------|-----------------------|-------------------|----------------------------|
| Levetiracetam        | 2.663            | 1813544            | 86183.75             | 146.6           | 103223.24             | 360130            | 1161.9241 ng/ml            |
| * Lorazepam          | <del>5.740</del> | <del>867981</del>  | <del>55790.85</del>  | <del>48.7</del> | <del>3270.79</del>    | <del>42807</del>  | <del>331.2775 ng/ml</del>  |
| MDA                  | 3.216            | 3059580            | 10521.72             | 27.6            | 597.00                | 112262            | 885.0492 ng/ml             |
| MDMA                 | 3.310            | 3116891            | 254744.83            | 92.3            | 4488.66               | 37031             | 1055.4283 ng/ml            |
| * Meprobamate        | <del>4.904</del> | <del>1182445</del> | <del>85664.20</del>  | <del>24.7</del> | <del>290.09</del>     | <del>102697</del> | <del>767.6629 ng/ml</del>  |
| Methadone            | 5.666            | 2542376            | 110352.58            | 54.3            | 77620.57              | 98256             | 1164.1395 ng/ml            |
| Methamphetamine      | 3.244            | 2923727            | 887.57               | 40.7            | 2647.18               | 165493            | 946.7543 ng/ml             |
| Metoprolol           | 4.340            | 919989             | 1008863.02           | 88.2            | 42750.08              | 416398            | 968.7090 ng/ml             |
| * Mirtazapine        | <del>4.590</del> | <del>6031600</del> | <del>322808.76</del> | <del>44.0</del> | <del>2435711.06</del> | <del>200727</del> | <del>1449.1740 ng/ml</del> |
| Mitragynine          | 5.210            | 444777             | 5150.51              | 34.8            | 549.39                | 98256             | 1053.2514 ng/ml            |
| Morphine             | 1.261            | 318653             | 12946.96             | 20.3            | 153.20                | 4907              | 1082.8523 ng/ml            |
| Norbuprenorphine     | 5.006            | 3698               | 2691.63              | 98.0            | 6535.54               | 1815              | 117.1676 ng/ml             |
| Nordiazepam          | 5.893            | 1563178            | 2647.52              | 61.6            | 467.15                | 54133             | 997.8245 ng/ml             |
| Norfentanyl          | 4.099            | 1224039            | 319.72               | 33.0            | 46.96                 | 503943            | 109.8540 ng/ml             |
| * Norhydrocodone     | <del>3.086</del> | <del>253317</del>  | <del>458.08</del>    | <del>38.3</del> | <del>219.29</del>     | <del>19435</del>  | <del>1564.0269 ng/ml</del> |
| Noroxycodone         | 2.936            | 1284022            | 4257.98              | 48.9            | 5599.15               | 38580             | 1021.0410 ng/ml            |
| O-desmethyl-tramadol | 3.389            | 10758556           | 140651.12            | 6.8             | 29952.62              | 546278            | 1113.5269 ng/ml            |
| Oxazepam             | 5.749            | 1177463            | 10267.73             | 74.5            | 3558.96               | 61193             | 985.5851 ng/ml             |
| Oxycodone            | 2.854            | 4357713            | ∞                    | 30.1            | 2466.24               | 158487            | 1005.7852 ng/ml            |
| Oxymorphone          | 1.418            | 1410510            | 422.36               | 46.4            | 721.91                | 42623             | 1081.7598 ng/ml            |
| Phentermine          | 3.797            | 1004287            | 6490.32              | 6.3             | 110.04                | 167551            | 906.5290 ng/ml             |
| Promethazine         | 5.545            | 1093823            | 35757.32             | 32.4            | 49596.57              | 44984             | 1104.3663 ng/ml            |
| Pseudoephedrine      | 2.616            | 8755288            | 96190.07             | 15.8            | 190937.73             | 360130            | 1142.2559 ng/ml            |
| Quetiapine           | 5.514            | 4867790            | 170215.31            | 59.2            | 195797.68             | 64586             | 1014.8157 ng/ml            |
| Sertraline           | 5.789            | 97925              | 538.86               | 100.8           | 6488.80               | 3600              | 1173.9602 ng/ml            |
| Temazepam            | 5.823            | 2885703            | 38997.66             | 28.4            | 220.52                | 157067            | 1073.3862 ng/ml            |
| Tramadol             | 4.252            | 8231836            | 1425.91              | 3.9             | 779.43                | 416398            | 1009.8112 ng/ml            |
| Trazodone            | 5.013            | 4493624            | 1276.00              | 79.0            | 995.83                | 166772            | 1005.4548 ng/ml            |
| Venlafaxine          | 5.050            | 7398102            | 165837.69            | 36.2            | 3391.07               | 331997            | 1143.9490 ng/ml            |
| Zolpidem             | 4.792            | 12009899           | 13820.65             | 28.0            | 293895.92             | 563241            | 1025.1256 ng/ml            |

\*Outside curve range.

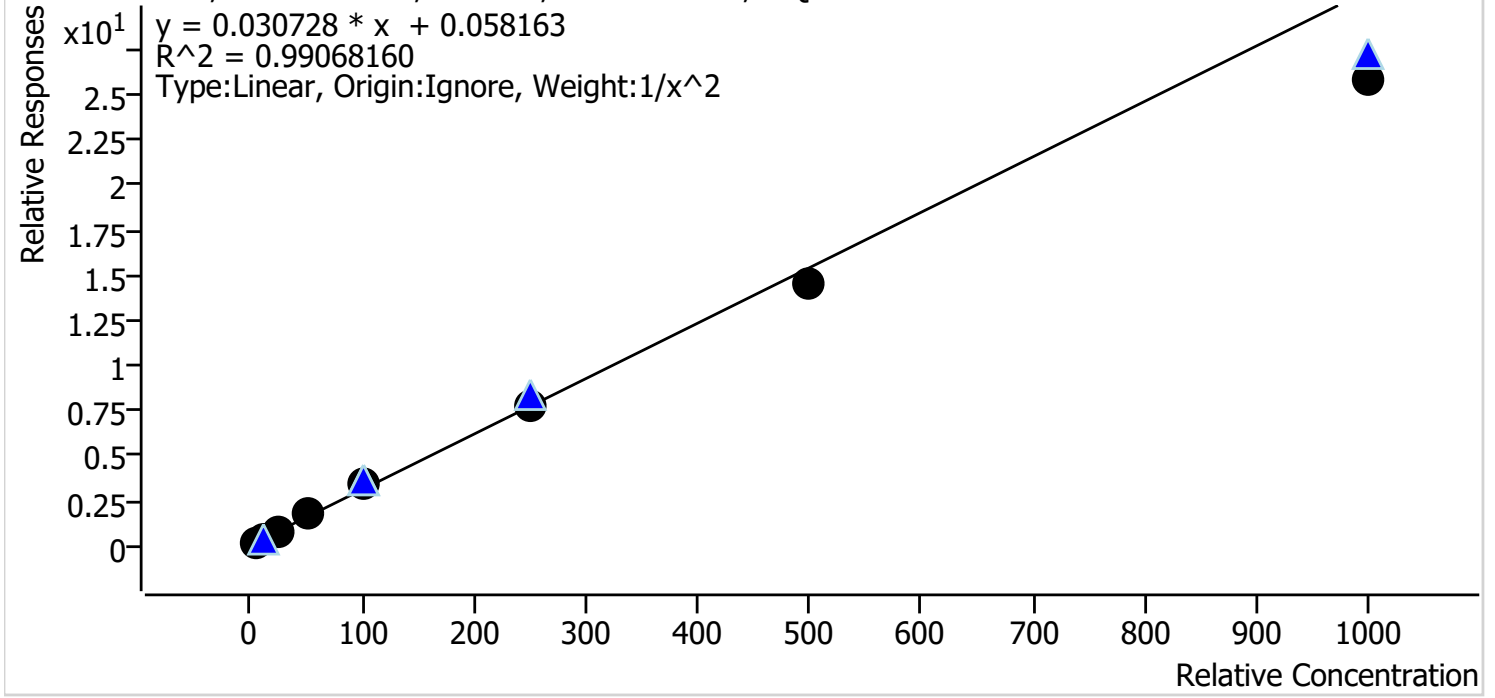
TS



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28\_P1\_TS.batch.bin  
**Last Cal. Update** 11/10/2021 9:34 AM  
**Analyst Name** ISP\tsalazar  
**Analyte** MDA **Internal Standard** MDA-D5

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



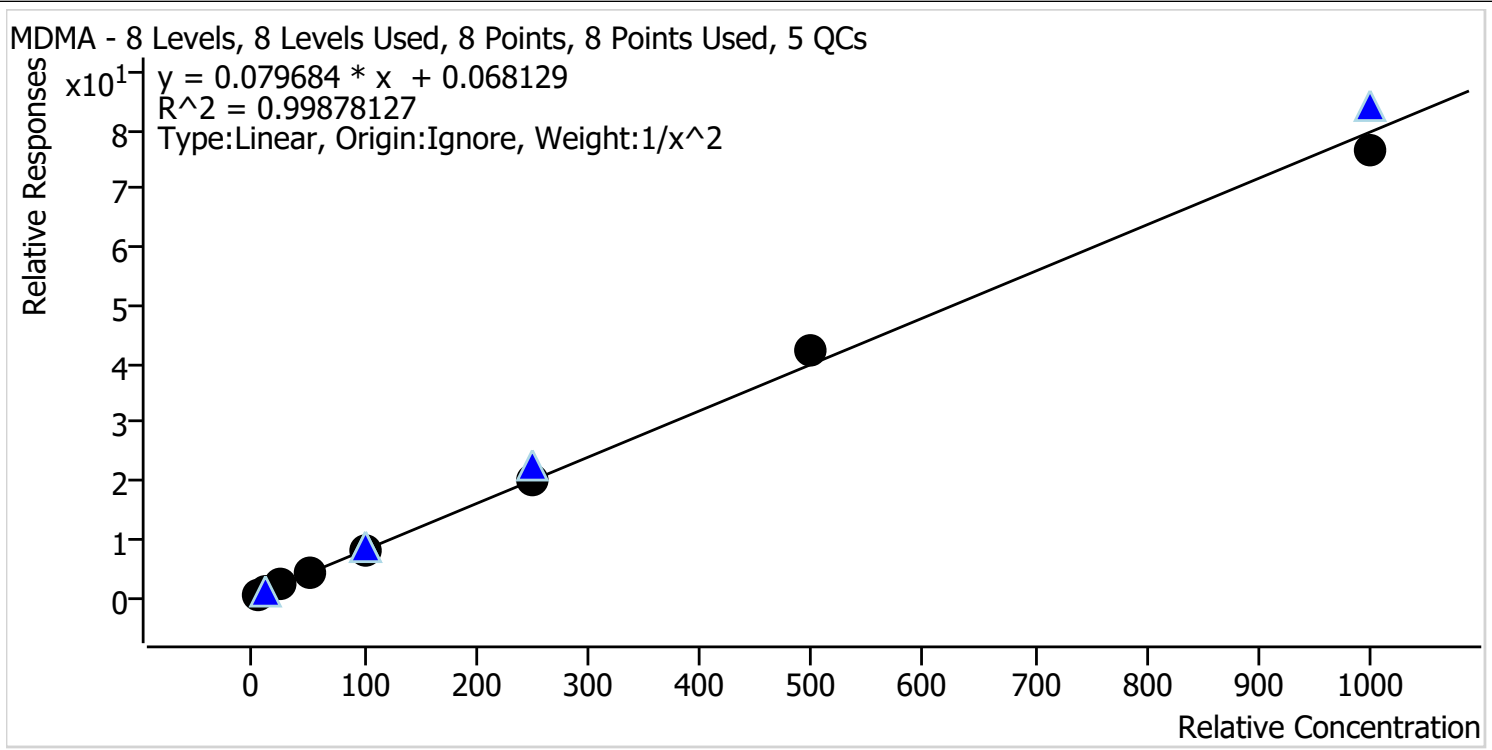
| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 4.8                 | 95.9     |
| p1 Cal 2-10ng   | 2     | ✓       | 10.0                   | 10.4                | 103.6    |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 26.4                | 105.8    |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 54.6                | 109.2    |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 107.9               | 107.9    |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 248.5               | 99.4     |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 470.2               | 94.0     |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 841.9               | 84.2     |

TS



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28\_P1\_TS.batch.bin  
**Last Cal. Update** 11/10/2021 9:34 AM  
**Analyst Name** ISP\tsalazar  
**Analyte** MDMA **Internal Standard** MDMA-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                   | 10.0                | 100.1    |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 24.3                | 97.1     |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 50.4                | 100.8    |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 98.3                | 98.3     |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 252.7               | 101.1    |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 530.0               | 106.0    |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 961.0               | 96.1     |

TS



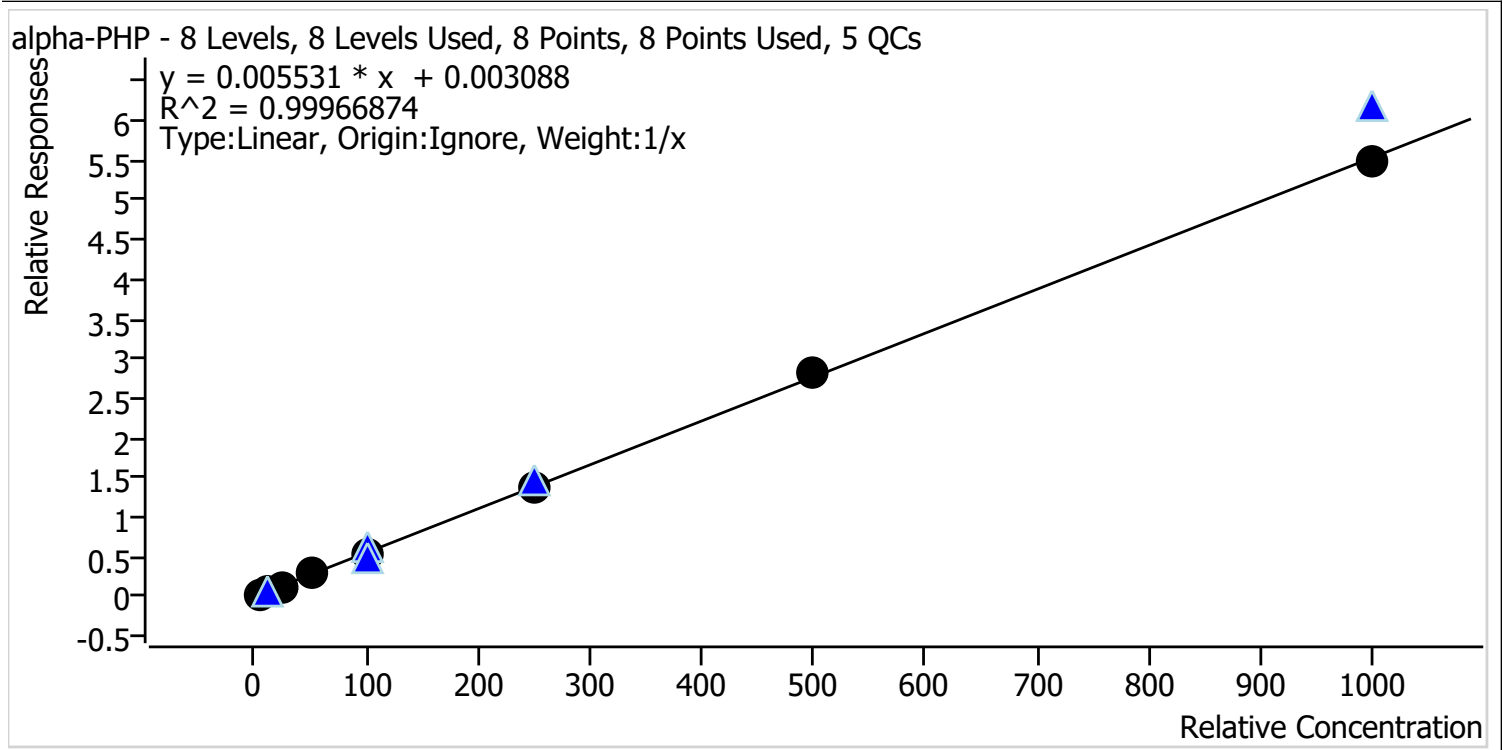
# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28\_P1\_TS.batch.bin

**Last Cal. Update** 11/10/2021 9:34 AM

**Analyst Name** ISP\tsalazar

**Analyte** alpha-PHP **Internal Standard** alpha-PVP-d8



| 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                   | 10.1                | 100.7    |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 24.4                | 97.4     |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 51.0                | 102.1    |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 97.8                | 97.8     |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 246.7               | 98.7     |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 513.7               | 102.7    |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 991.2               | 99.1     |

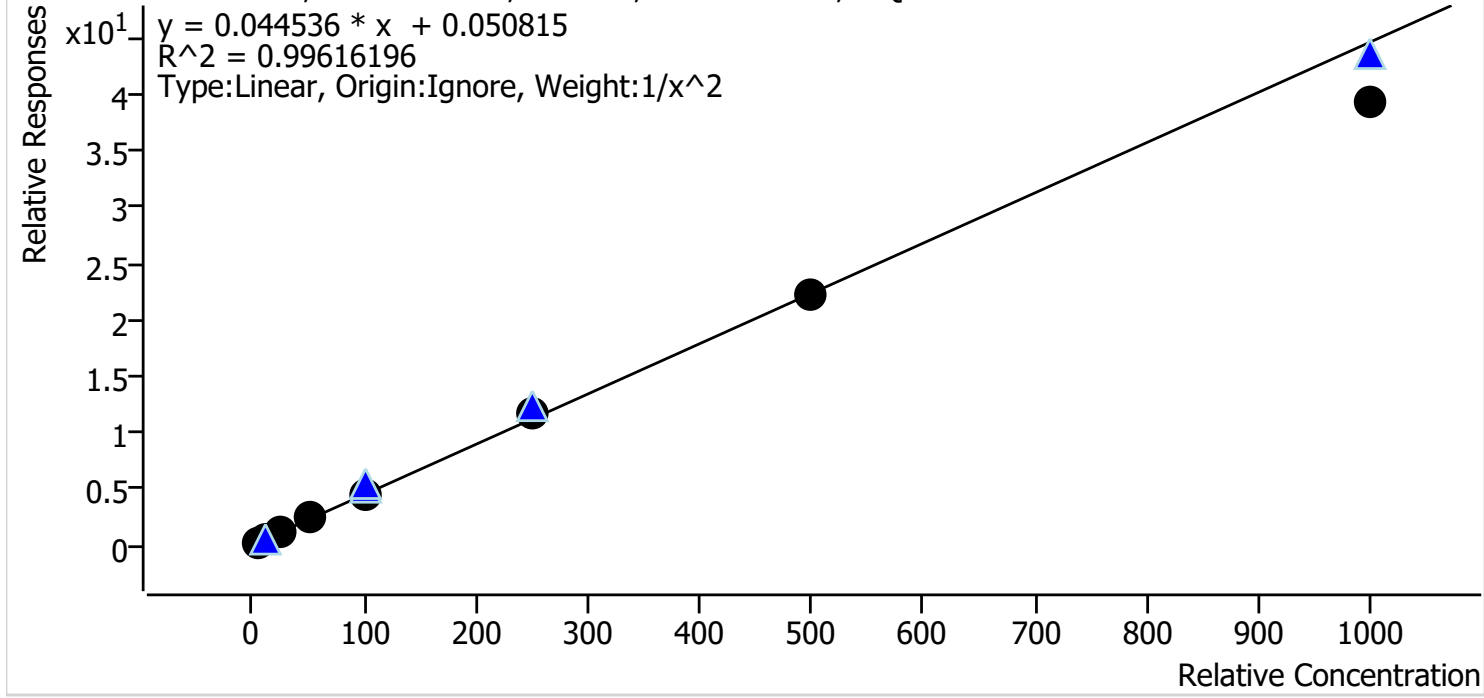
TS



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28\_P1\_TS.batch.bin  
**Last Cal. Update** 11/10/2021 9:34 AM  
**Analyst Name** ISP\tsalazar  
**Analyte** Clonazolam **Internal Standard** Clonazepam-D4

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



| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 5.0                 | 99.0     |
| p1 Cal 2-10ng   | 2     | ✓       | 10.0                   | 10.0                | 100.1    |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 25.5                | 101.9    |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 52.0                | 103.9    |
| 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                  | 495.7               | 99.1     |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 879.1               | 87.9     |

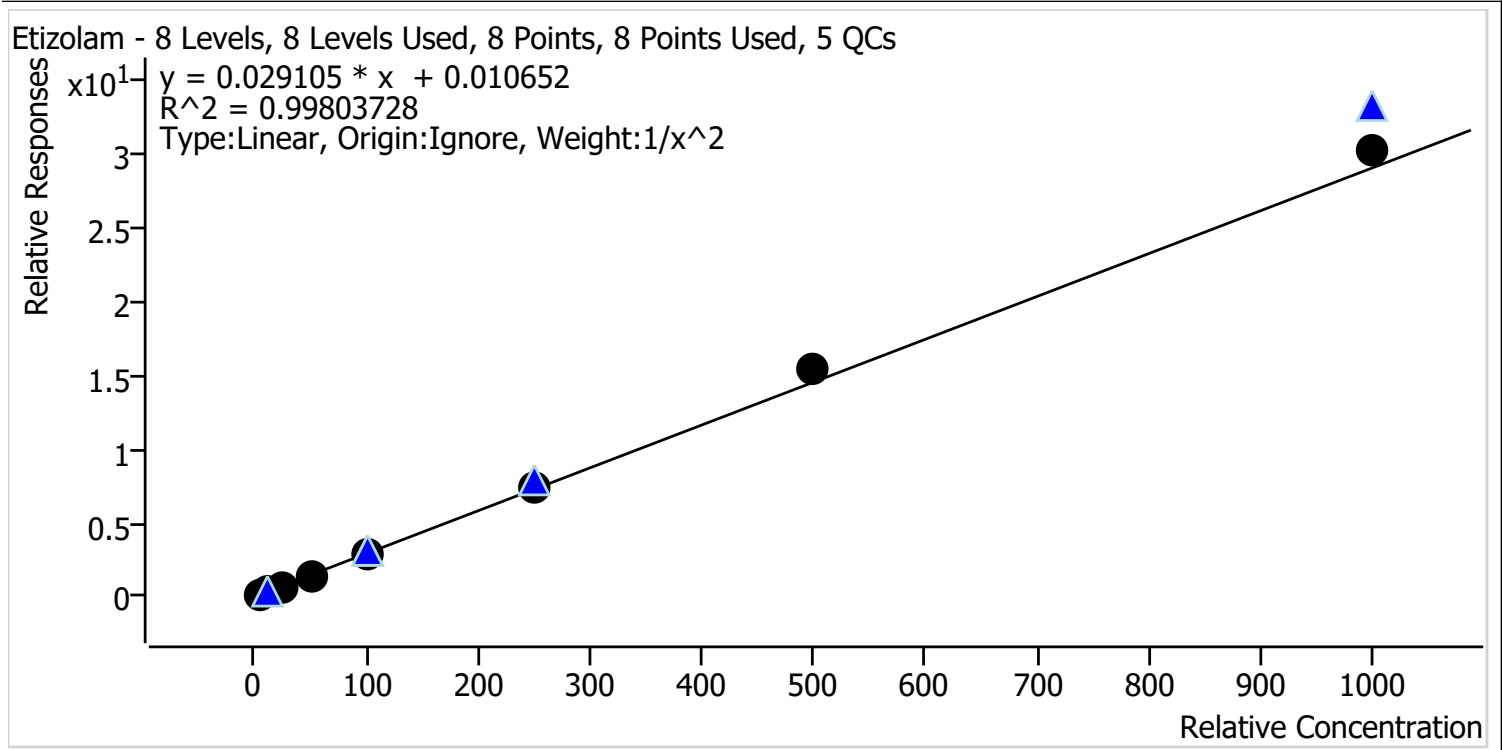




TS

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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28\_P1\_TS.batch.bin  
**Last Cal. Update** 11/10/2021 9:34 AM  
**Analyst Name** ISP\tsalazar  
**Analyte** Etizolam **Internal Standard** Clonazepam-D4



| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 5.0                 | 100.3    |
| p1 Cal 2-10ng   | 2     | ✓       | 10.0                   | 10.2                | 101.8    |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 24.2                | 96.7     |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 47.9                | 95.8     |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 95.1                | 95.1     |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 251.6               | 100.6    |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 528.7               | 105.7    |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 1038.5              | 103.9    |

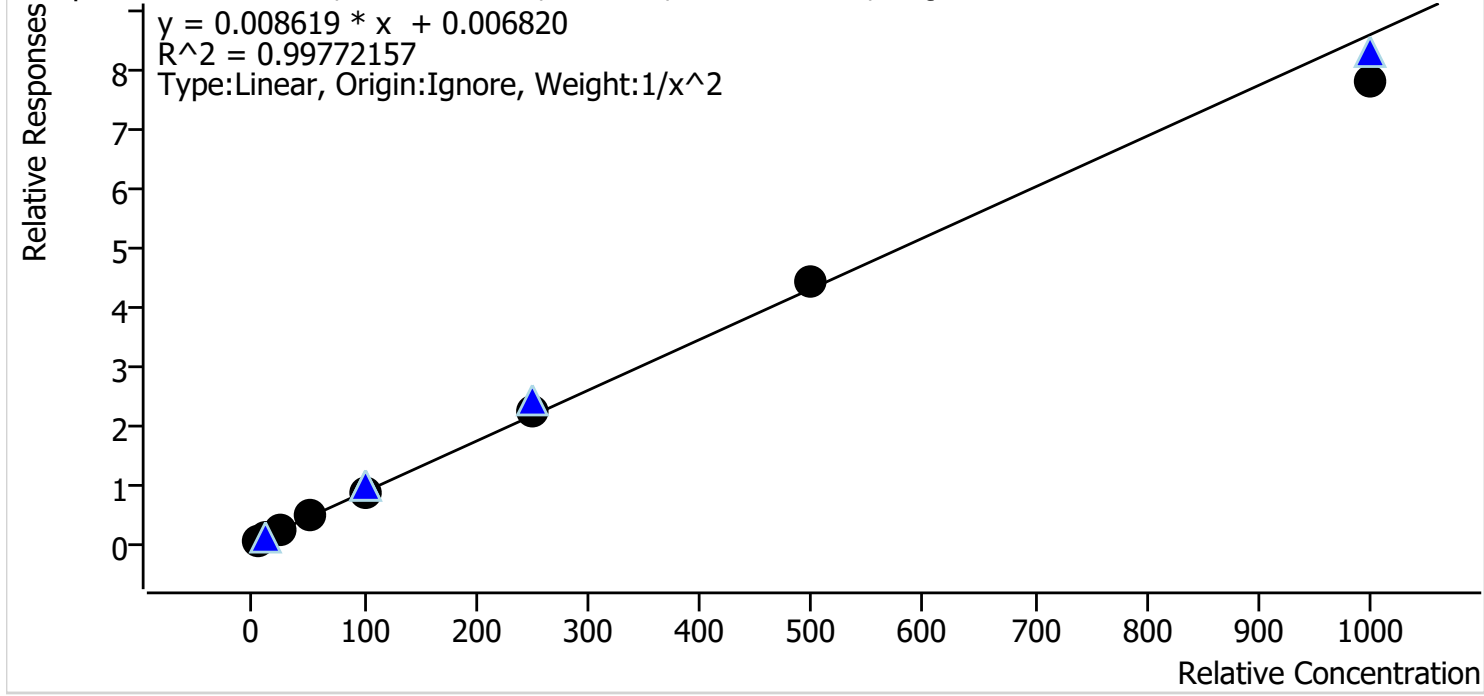
TS



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28\_P1\_TS.batch.bin  
**Last Cal. Update** 11/10/2021 9:34 AM  
**Analyst Name** ISP\tsalazar  
**Analyte** Flualprazolam **Internal Standard** Alprazolam-D5

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



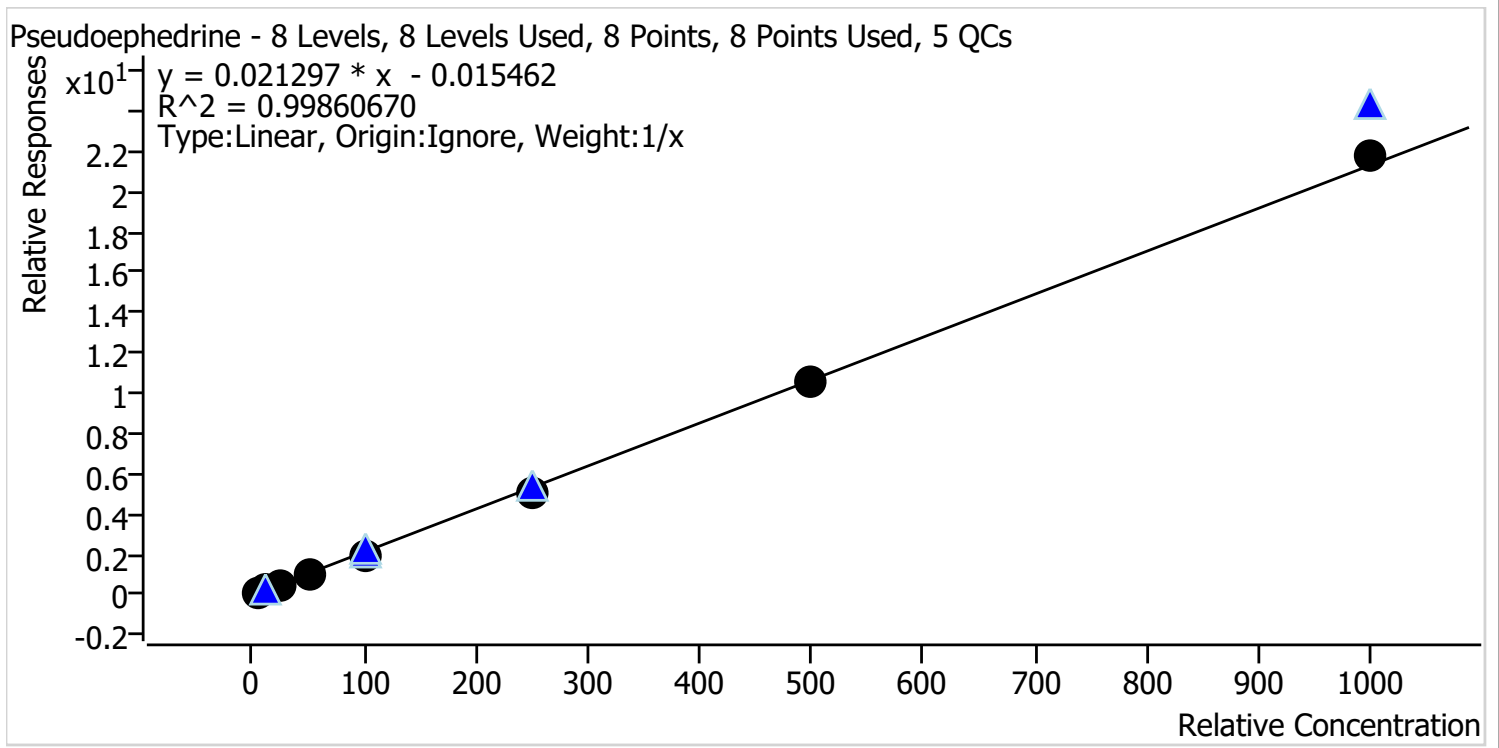
| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 5.0                 | 100.4    |
| p1 Cal 2-10ng   | 2     | ✓       | 10.0                   | 9.9                 | 98.7     |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 24.8                | 99.2     |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 51.3                | 102.6    |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 101.3               | 101.3    |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 261.5               | 104.6    |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 511.8               | 102.4    |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 909.1               | 90.9     |



TS

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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28\_P1\_TS.batch.bin  
**Last Cal. Update** 11/10/2021 9:34 AM  
**Analyst Name** ISP\tsalazar  
**Analyte** Pseudoephedrine **Internal Standard** Pseudoephedrine-D3



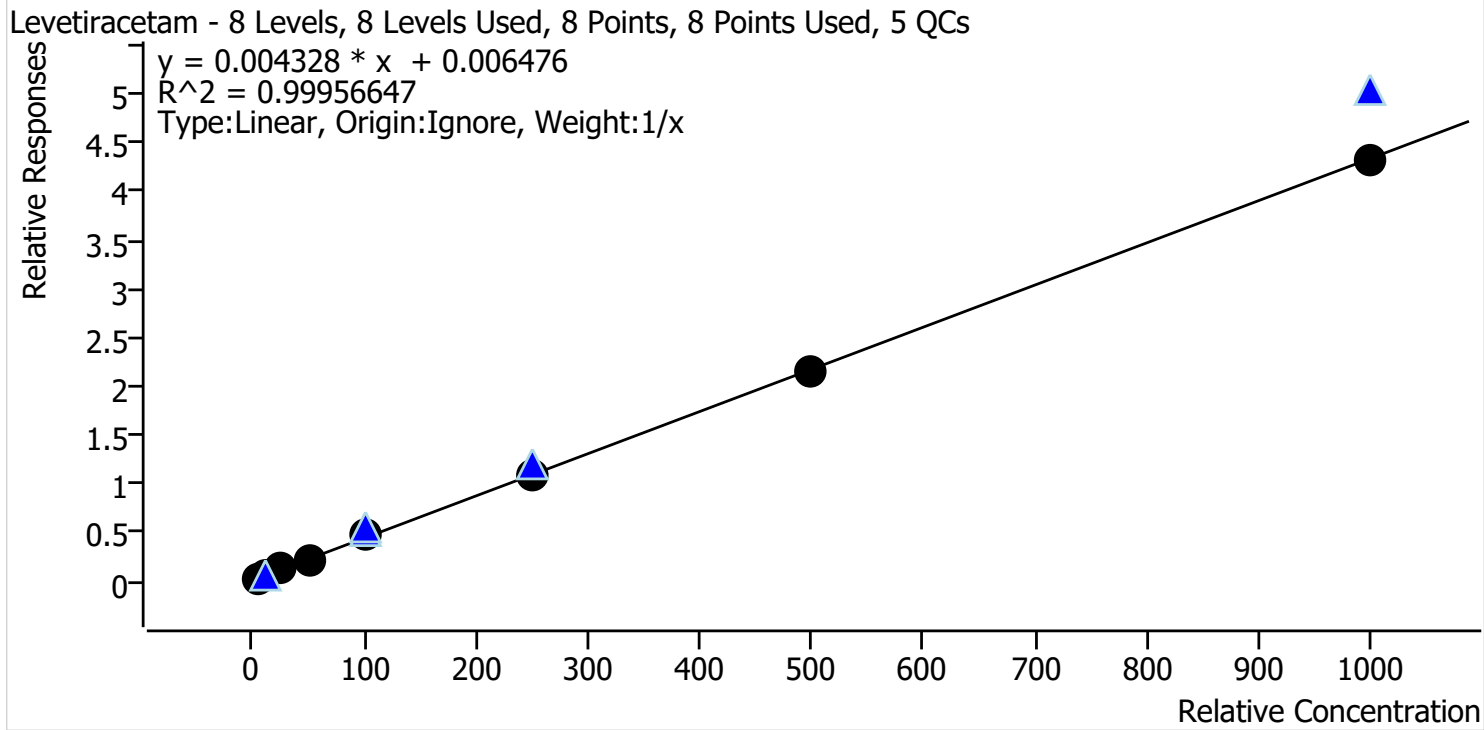
| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 5.9                 | 118.8    |
| p1 Cal 2-10ng   | 2     | ✓       | 10.0                   | 10.5                | 105.0    |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 23.5                | 94.1     |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 46.6                | 93.1     |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 91.8                | 91.8     |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 237.8               | 95.1     |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 498.0               | 99.6     |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 1025.8              | 102.6    |

TS



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28\_P1\_TS.batch.bin  
**Last Cal. Update** 11/10/2021 9:34 AM  
**Analyst Name** ISP\tsalazar  
**Analyte** Levetiracetam **Internal Standard** Pseudoephedrine-D3



| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 4.5                 | 90.7     |
| p1 Cal 2-10ng   | 2     | ✓       | 10.0                   | 9.8                 | 98.3     |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 27.5                | 110.2    |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 47.9                | 95.8     |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 106.0               | 106.0    |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 249.4               | 99.8     |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 498.2               | 99.6     |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 996.6               | 99.7     |

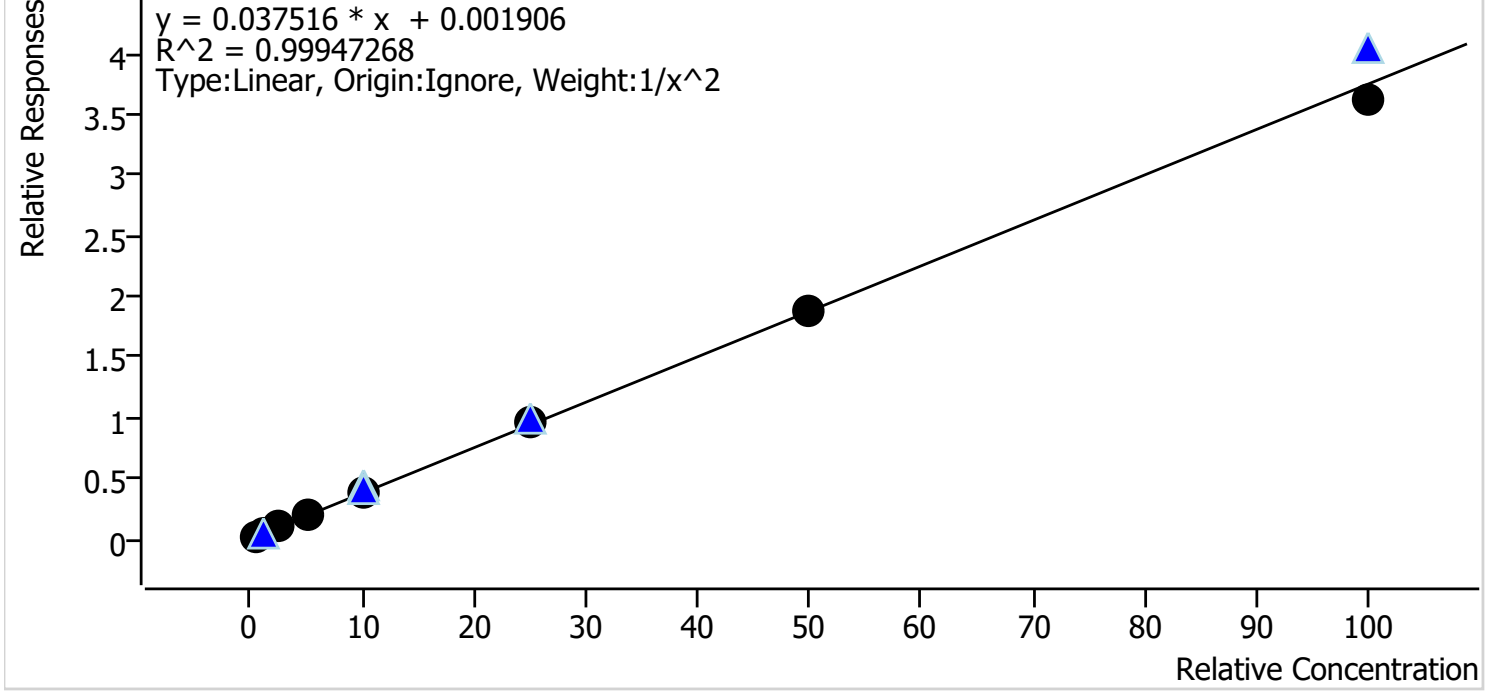


TS

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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28\_P1\_TS.batch.bin  
**Last Cal. Update** 11/10/2021 9:34 AM  
**Analyst Name** ISP\tsalazar  
**Analyte** 6-MAM **Internal Standard** 6-MAM-D6

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



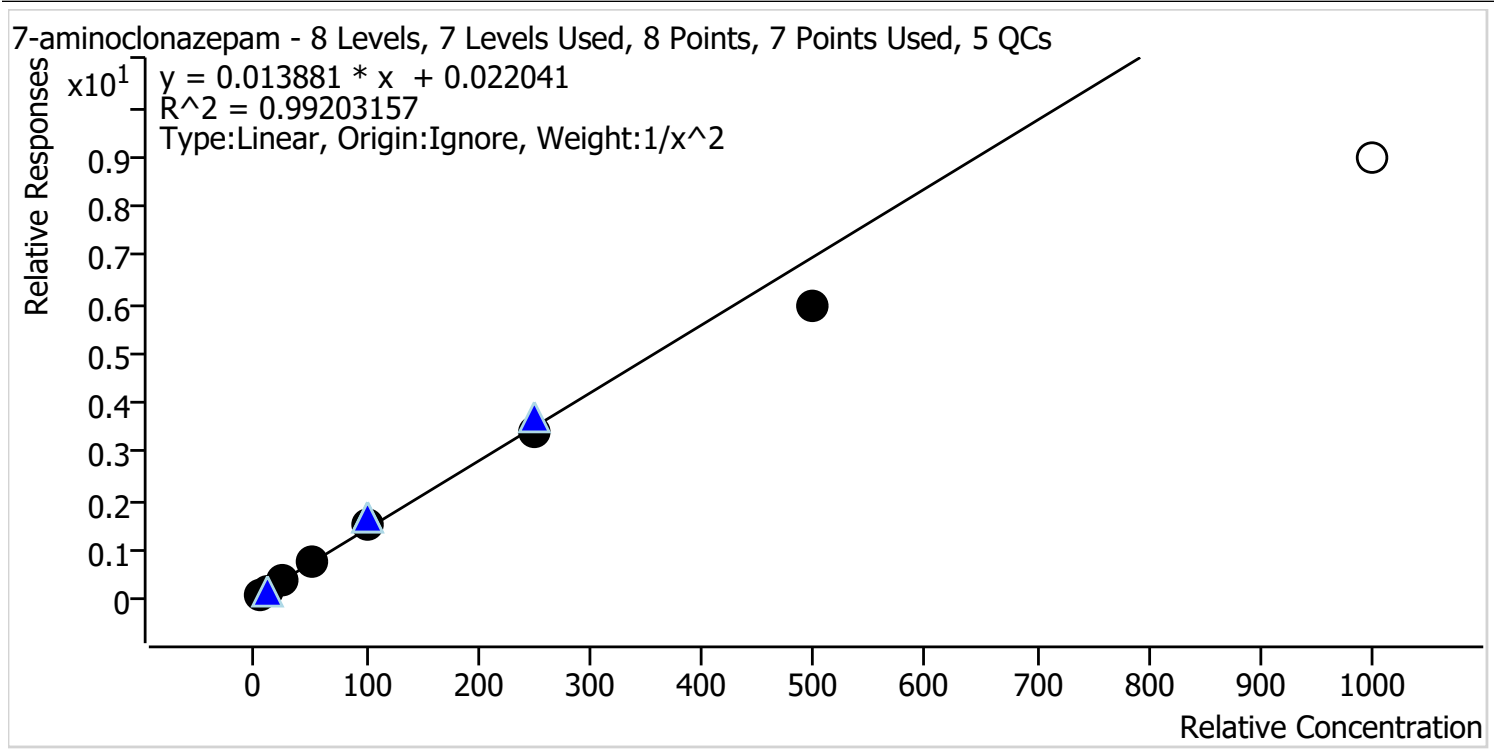
| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 0.5                    | 0.5                 | 100.4    |
| p1 Cal 2-10ng   | 2     | ✓       | 1.0                    | 1.0                 | 99.8     |
| p1 Cal 3 -25ng  | 3     | ✓       | 2.5                    | 2.5                 | 98.3     |
| p1 Cal 4-50ng   | 4     | ✓       | 5.0                    | 5.0                 | 99.5     |
| p1 Cal 5-100ng  | 5     | ✓       | 10.0                   | 10.1                | 100.7    |
| p1 Cal 6-250ng  | 6     | ✓       | 25.0                   | 25.9                | 103.6    |
| p1 Cal 7-500ng  | 7     | ✓       | 50.0                   | 50.5                | 100.9    |
| p1 Cal 8-1000ng | 8     | ✓       | 100.0                  | 96.8                | 96.8     |

TS



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28\_P1\_TS.batch.bin  
**Last Cal. Update** 11/10/2021 9:34 AM  
**Analyst Name** ISP\tsalazar  
**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                 | 96.5     |
| p1 Cal 2-10ng   | 2     | ✓       | 10.0                   | 10.3                | 103.4    |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 26.4                | 105.7    |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 53.0                | 106.0    |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 106.1               | 106.1    |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 241.7               | 96.7     |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 428.6               | 85.7     |
| p1 Cal 8-1000ng | 8     | x       | 1000.0                 | 647.2               | 64.7     |

Cal 8 dropped due to linearity.

TS



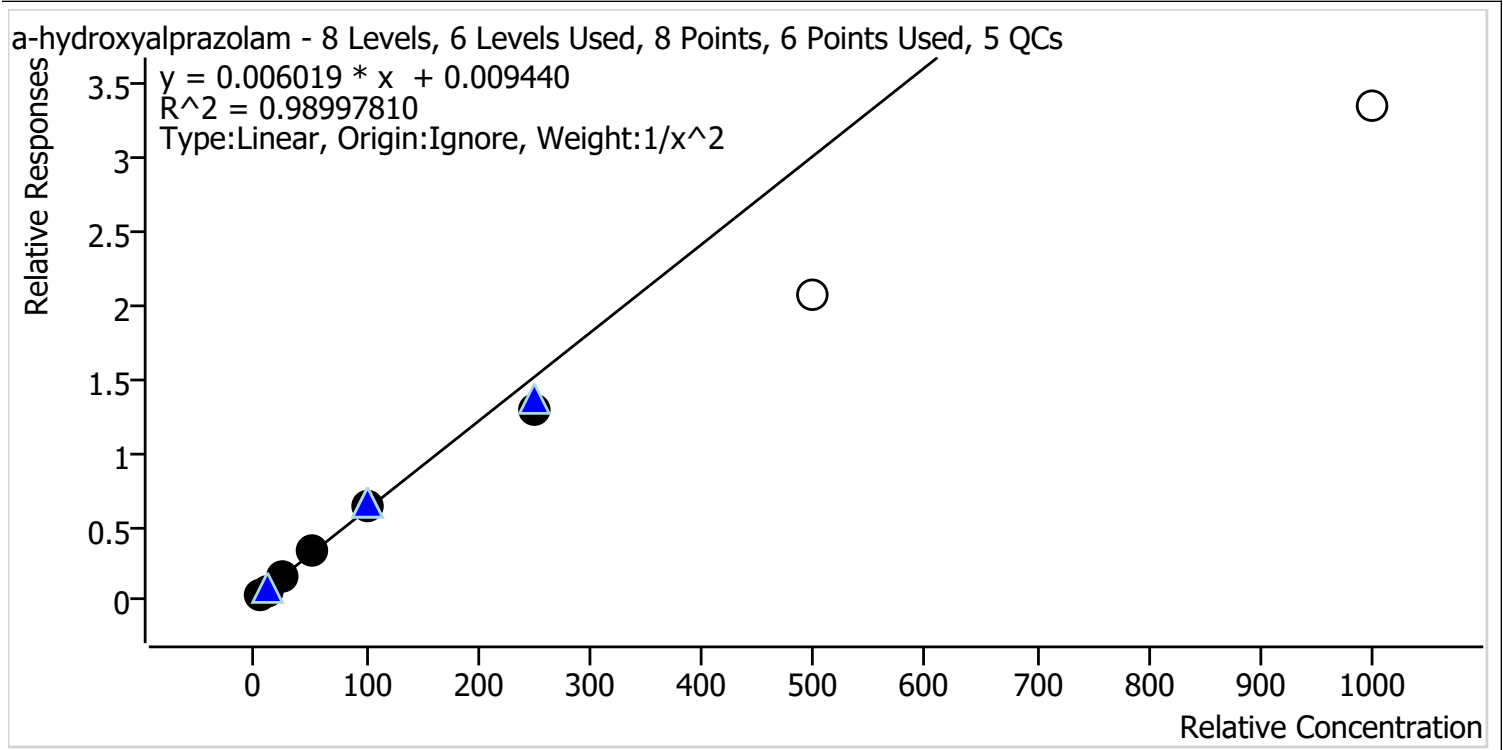
# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28\_P1\_TS.batch.bin

**Last Cal. Update** 11/10/2021 9:34 AM

**Analyst Name** ISP\tsalazar

**Analyte** a-hydroxyalprazolam **Internal Standard** Alprazolam-D5



| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 4.9                 | 97.7     |
| p1 Cal 2-10ng   | 2     | ✓       | 10.0                   | 10.1                | 100.8    |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 26.9                | 107.4    |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 52.7                | 105.4    |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 103.9               | 103.9    |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 212.0               | 84.8     |
| p1 Cal 7-500ng  | 7     | x       | 500.0                  | 342.5               | 68.5     |
| p1 Cal 8-1000ng | 8     | x       | 1000.0                 | 556.0               | 55.6     |

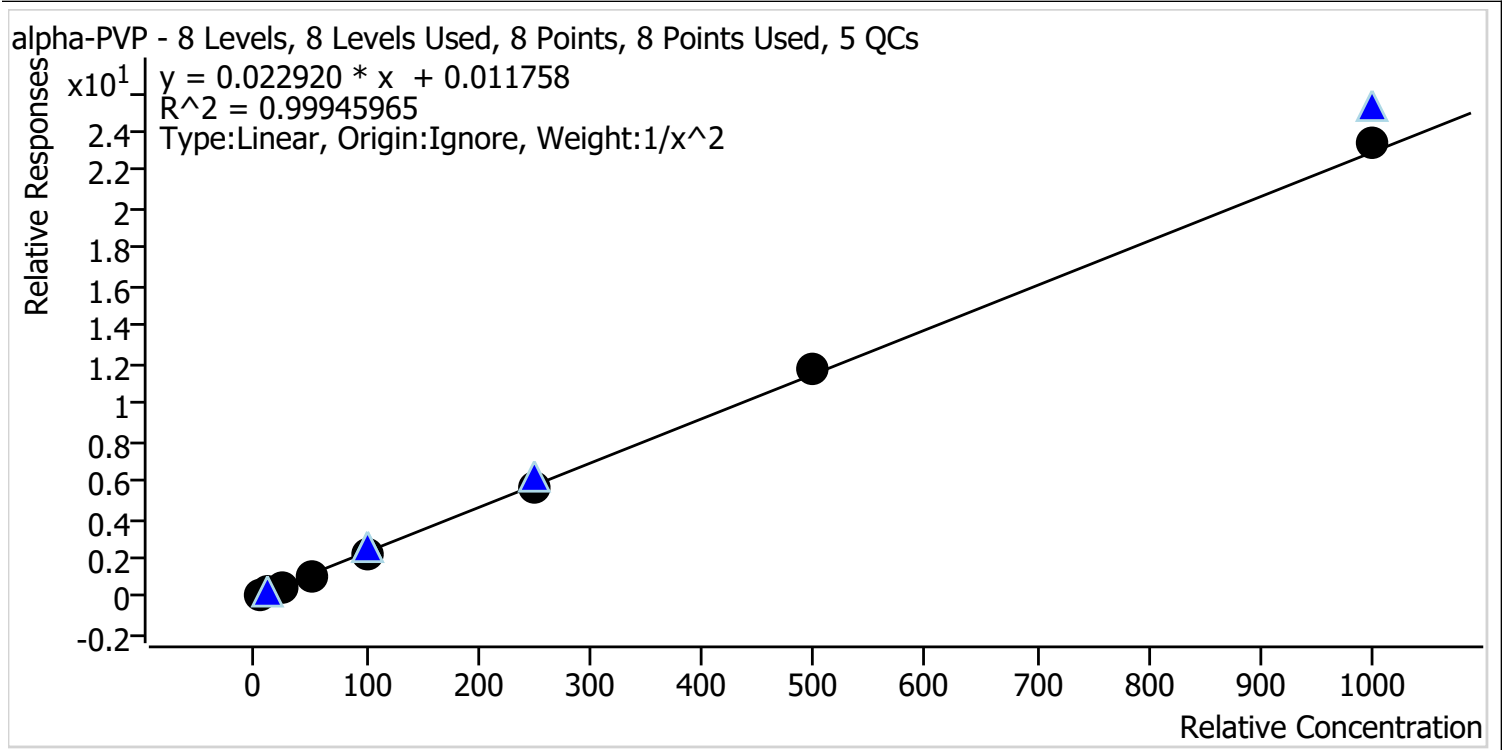
Cal 7 and 8 dropped due to linearity.



TS

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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28\_P1\_TS.batch.bin  
**Last Cal. Update** 11/10/2021 9:34 AM  
**Analyst Name** ISP\tsalazar  
**Analyte** alpha-PVP **Internal Standard** alpha-PVP-d8



| 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                   | 10.0                | 100.5    |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 24.4                | 97.6     |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 48.8                | 97.5     |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 99.0                | 99.0     |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 248.9               | 99.6     |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 516.1               | 103.2    |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 1021.1              | 102.1    |



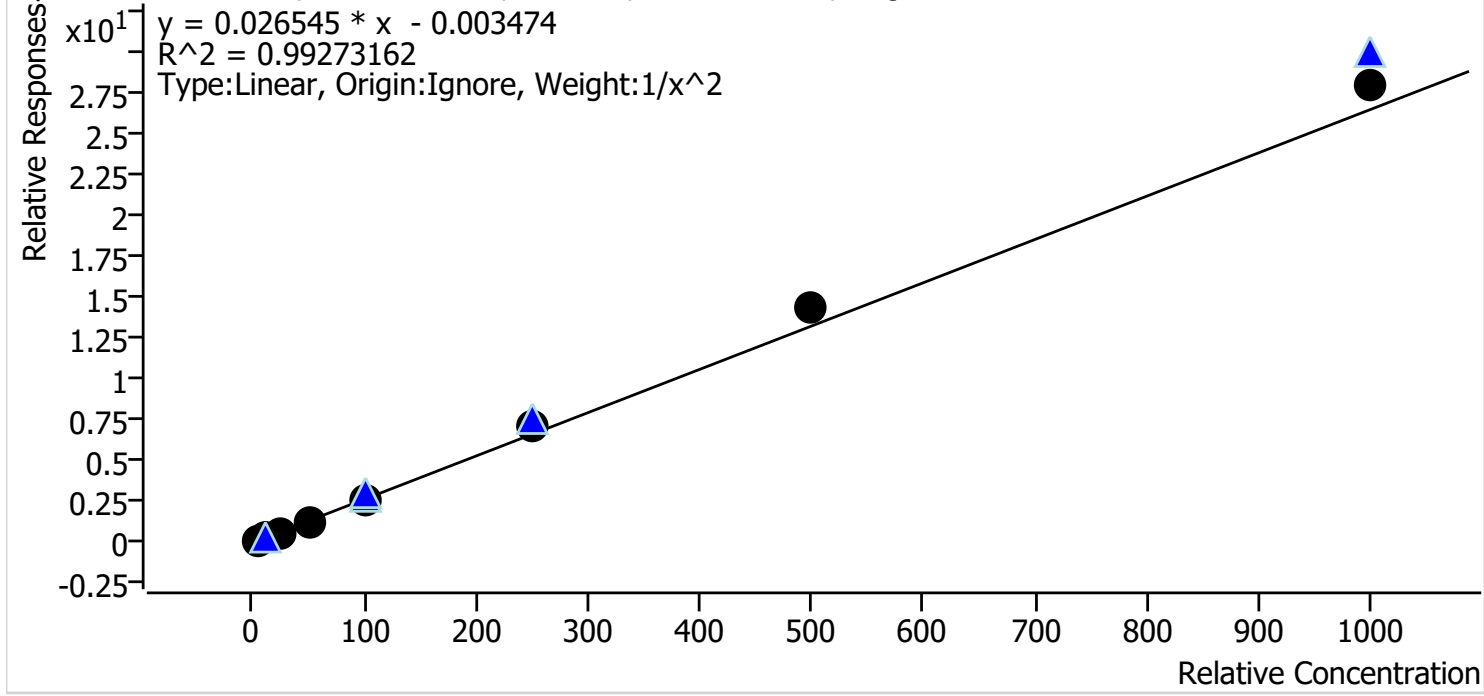
TS



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28\_P1\_TS.batch.bin  
**Last Cal. Update** 11/10/2021 9:34 AM  
**Analyst Name** ISP\tsalazar  
**Analyte** Alprazolam **Internal Standard** Alprazolam-D5

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



| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 5.2                 | 105.0    |
| p1 Cal 2-10ng   | 2     | ✓       | 10.0                   | 9.5                 | 95.4     |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 22.6                | 90.3     |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 46.3                | 92.7     |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 94.7                | 94.7     |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 268.5               | 107.4    |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 544.0               | 108.8    |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 1057.4              | 105.7    |

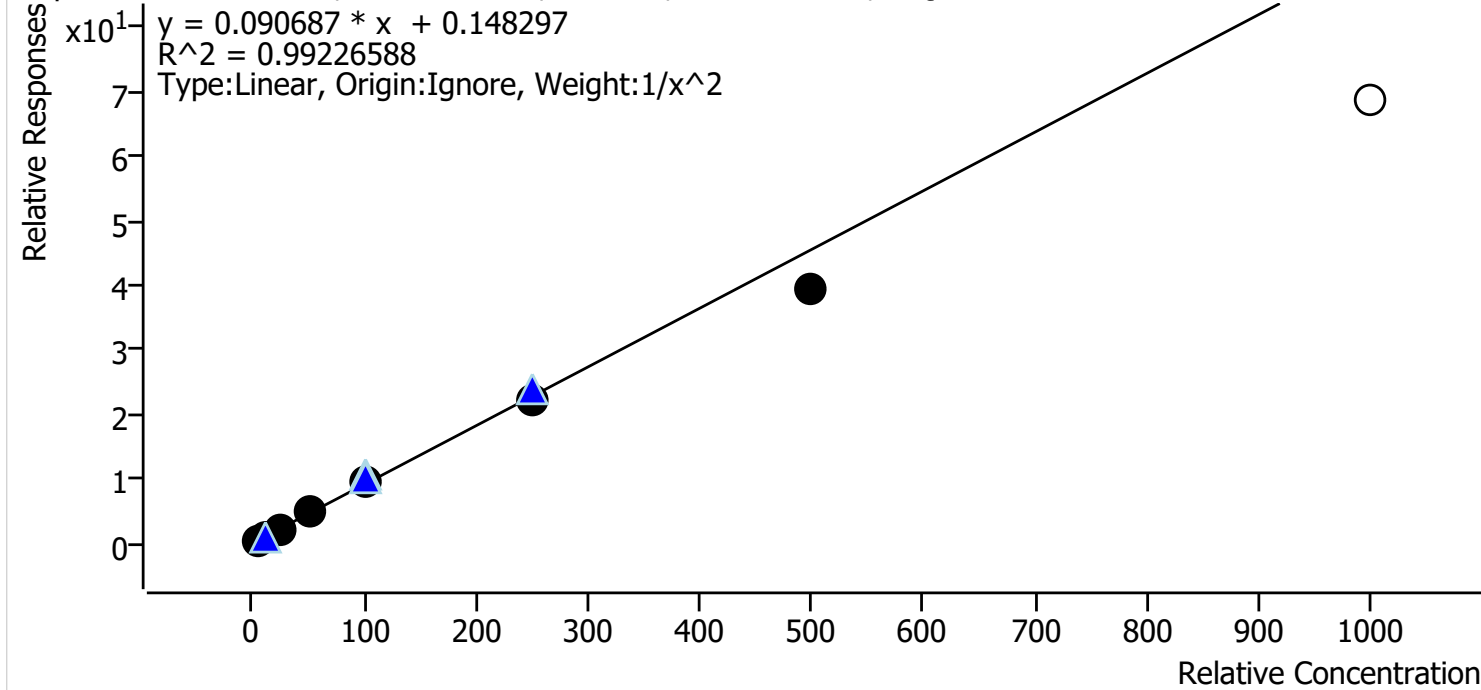
TS



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28\_P1\_TS.batch.bin  
**Last Cal. Update** 11/10/2021 9:34 AM  
**Analyst Name** ISP\tsalazar  
**Analyte** Amphetamine **Internal Standard** Amphetamine-D11

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



| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 4.8                 | 96.4     |
| p1 Cal 2-10ng   | 2     | ✓       | 10.0                   | 10.4                | 104.4    |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 25.8                | 103.0    |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 53.3                | 106.5    |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 106.9               | 106.9    |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 241.5               | 96.6     |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 430.8               | 86.2     |
| p1 Cal 8-1000ng | 8     | x       | 1000.0                 | 757.8               | 75.8     |



TS

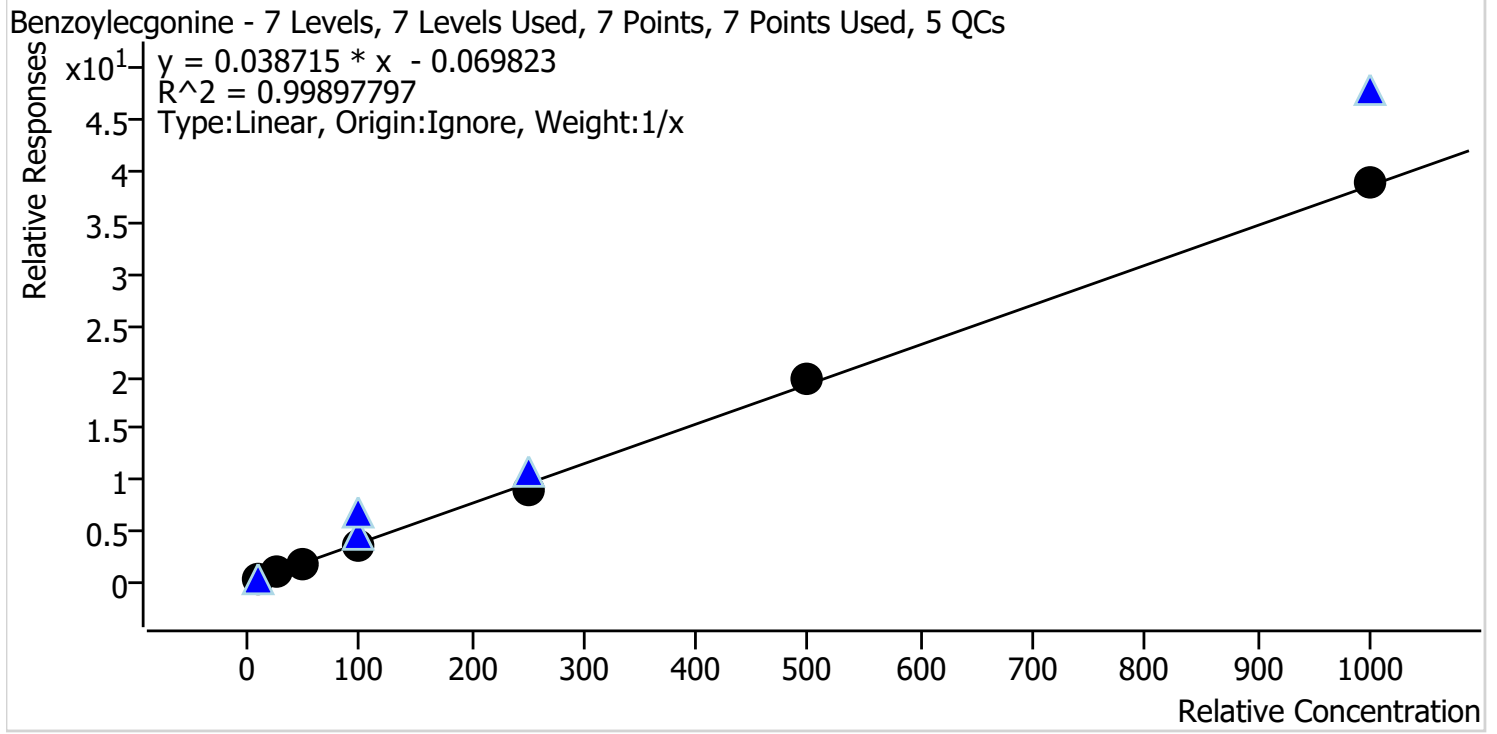
# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28\_P1\_TS.batch.bin

**Last Cal. Update** 11/10/2021 9:34 AM

**Analyst Name** ISP\tsalazar

**Analyte** Benzoylecgonine **Internal Standard** Benzoylecgonine-d8



| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 2-10ng   | 2     | ✓       | 10.0                   | 11.6                | 115.8    |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 24.1                | 96.3     |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 46.8                | 93.7     |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 96.1                | 96.1     |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 237.0               | 94.8     |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 513.2               | 102.6    |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 1006.2              | 100.6    |

Cal 1 dropped due to poor response.

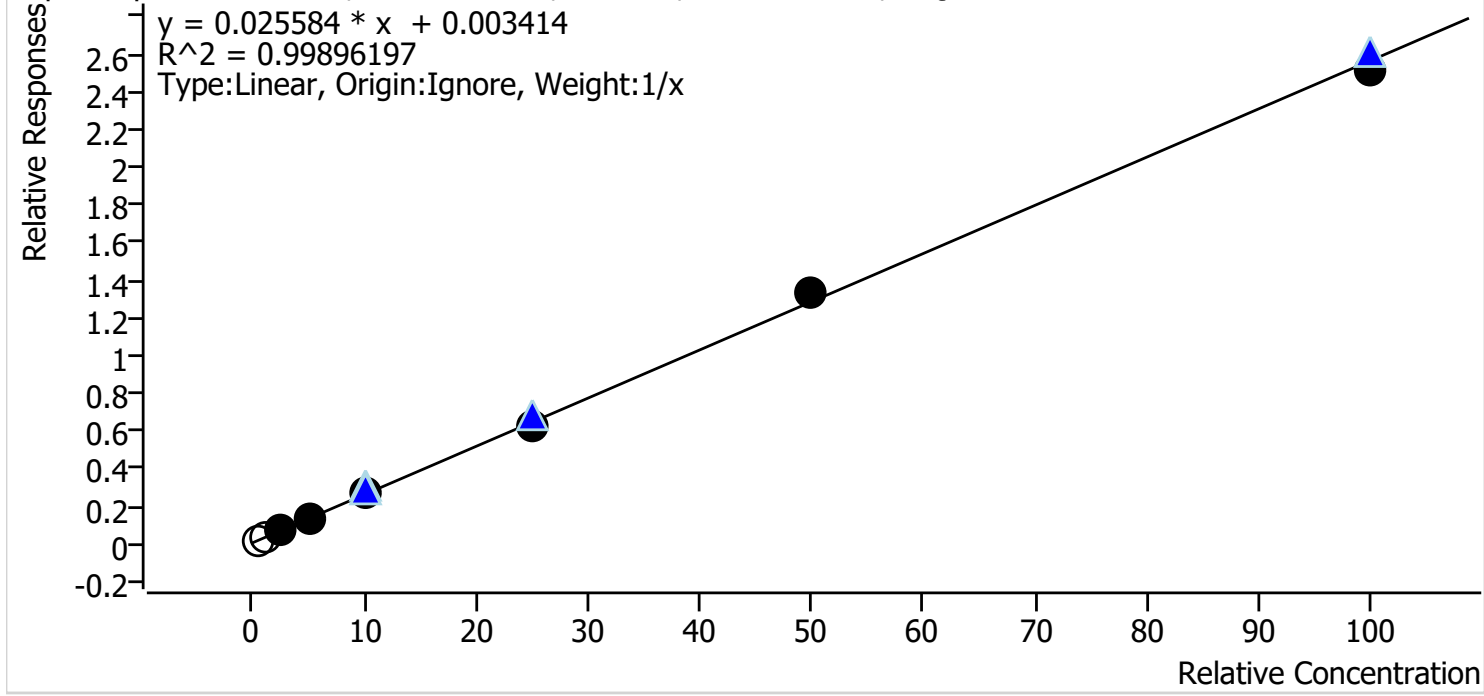
TS



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28\_P1\_TS.batch.bin  
**Last Cal. Update** 11/10/2021 9:34 AM  
**Analyst Name** ISP\tsalazar  
**Analyte** Buprenorphine **Internal Standard** Buprenorphine-D4

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



| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | x       | 0.5                    | 0.5                 | 101.6    |
| p1 Cal 2-10ng   | 2     | x       | 1.0                    | 1.2                 | 119.8    |
| p1 Cal 3 -25ng  | 3     | ✓       | 2.5                    | 2.4                 | 95.9     |
| p1 Cal 4-50ng   | 4     | ✓       | 5.0                    | 4.9                 | 98.9     |
| p1 Cal 5-100ng  | 5     | ✓       | 10.0                   | 10.5                | 105.2    |
| p1 Cal 6-250ng  | 6     | ✓       | 25.0                   | 24.5                | 97.9     |
| p1 Cal 7-500ng  | 7     | ✓       | 50.0                   | 52.0                | 103.9    |
| p1 Cal 8-1000ng | 8     | ✓       | 100.0                  | 98.2                | 98.2     |

Cal 1 and 2 dropped due to ratios.

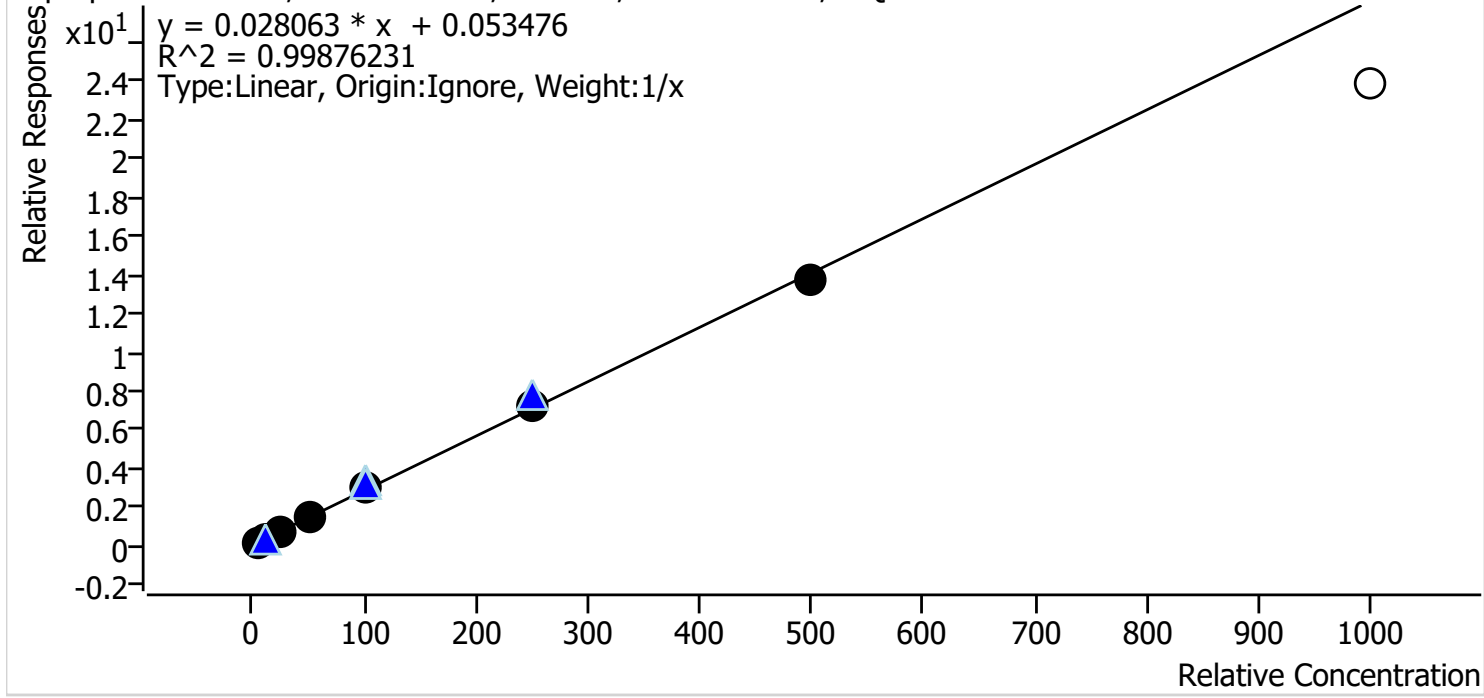
TS



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28\_P1\_TS.batch.bin  
**Last Cal. Update** 11/10/2021 9:34 AM  
**Analyst Name** ISP\tsalazar  
**Analyte** Bupropion **Internal Standard** Bupropion-D9

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



| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 4.5                 | 90.6     |
| p1 Cal 2-10ng   | 2     | ✓       | 10.0                   | 9.8                 | 97.5     |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 25.2                | 101.0    |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 53.2                | 106.4    |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 104.9               | 104.9    |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 255.9               | 102.4    |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 486.5               | 97.3     |
| p1 Cal 8-1000ng | 8     | x       | 1000.0                 | 846.6               | 84.7     |

Cal 8 dropped due to linearity.

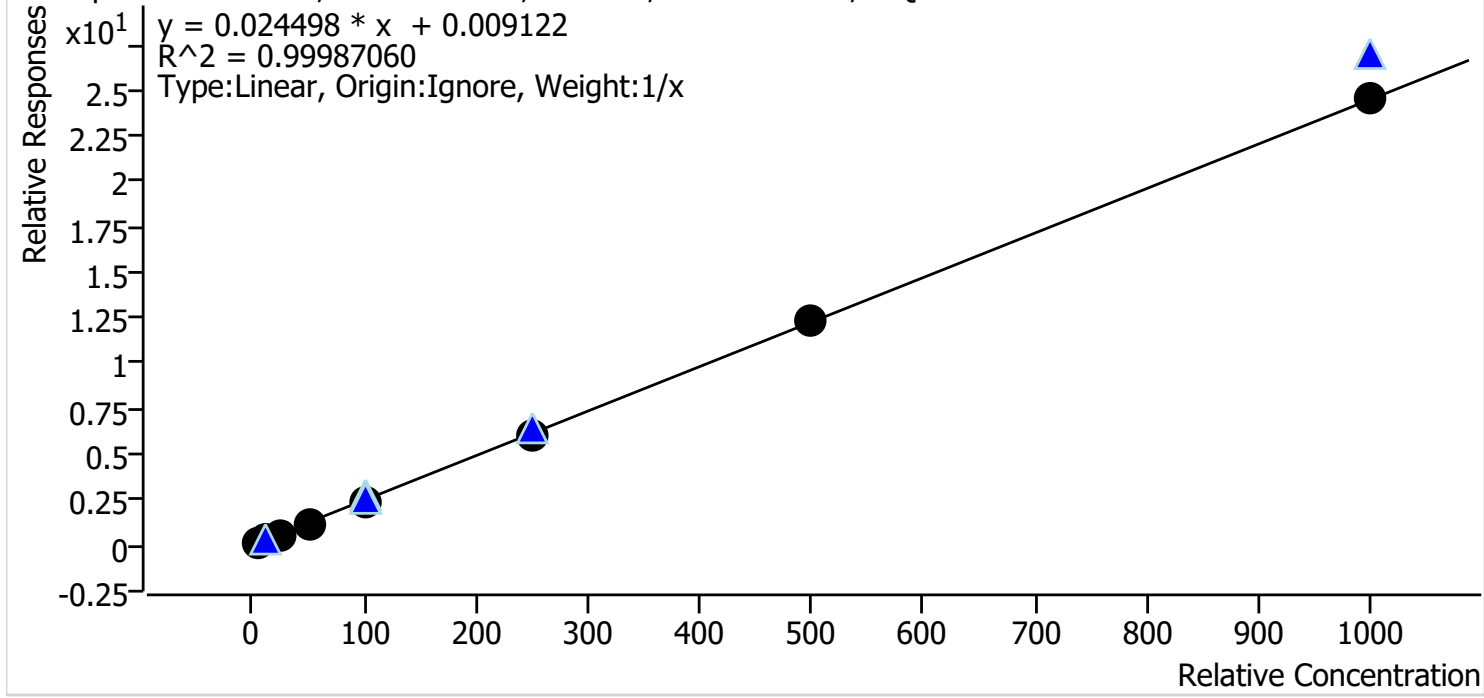
TS



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28\_P1\_TS.batch.bin  
**Last Cal. Update** 11/10/2021 9:34 AM  
**Analyst Name** ISP\tsalazar  
**Analyte** Carisoprodol **Internal Standard** Carisoprodol-D7

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



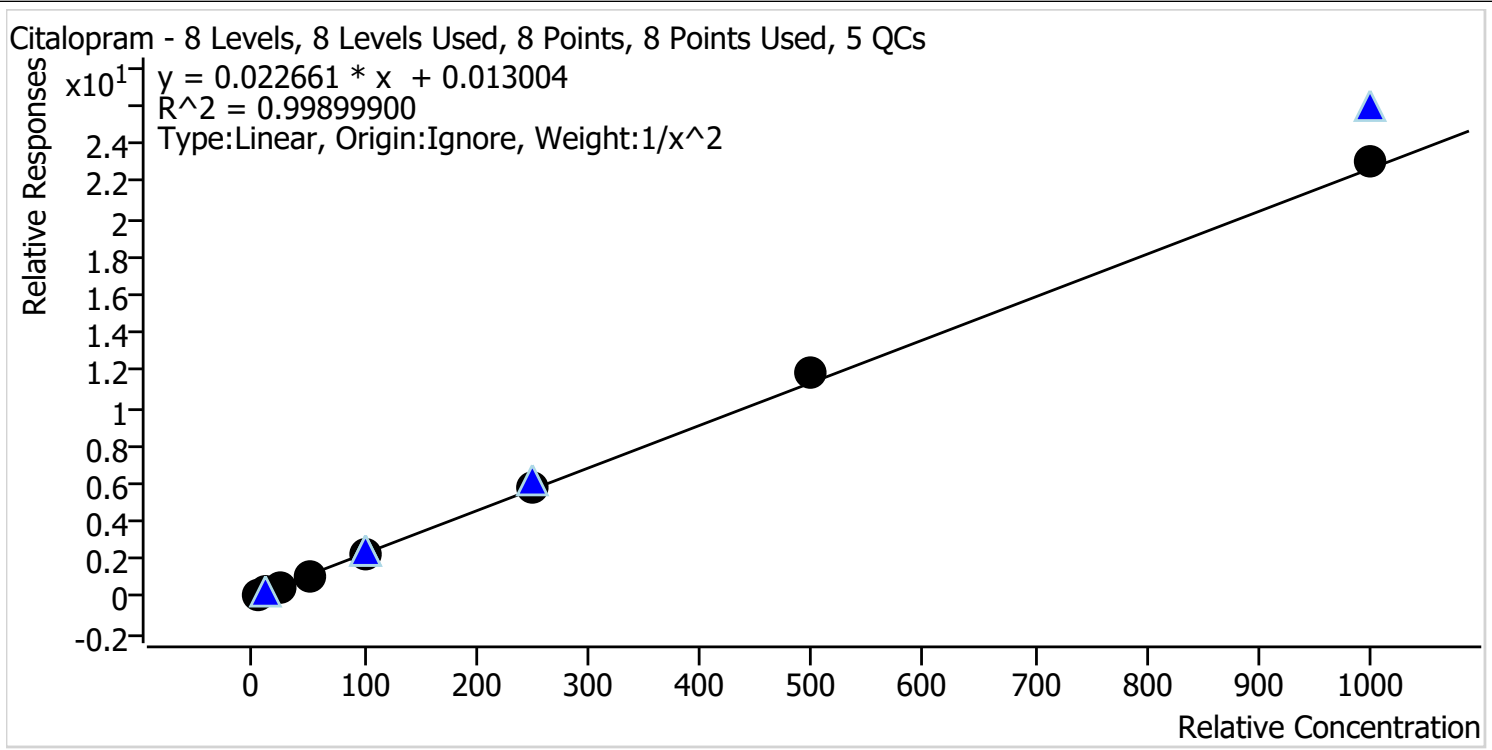
| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 5.2                 | 103.9    |
| p1 Cal 2-10ng   | 2     | ✓       | 10.0                   | 10.3                | 103.2    |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 24.1                | 96.5     |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 49.1                | 98.1     |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 98.4                | 98.4     |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 246.3               | 98.5     |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 506.4               | 101.3    |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 1000.2              | 100.0    |

TS



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28\_P1\_TS.batch.bin  
**Last Cal. Update** 11/10/2021 9:34 AM  
**Analyst Name** ISP\tsalazar  
**Analyte** Citalopram **Internal Standard** Citalopram-D6



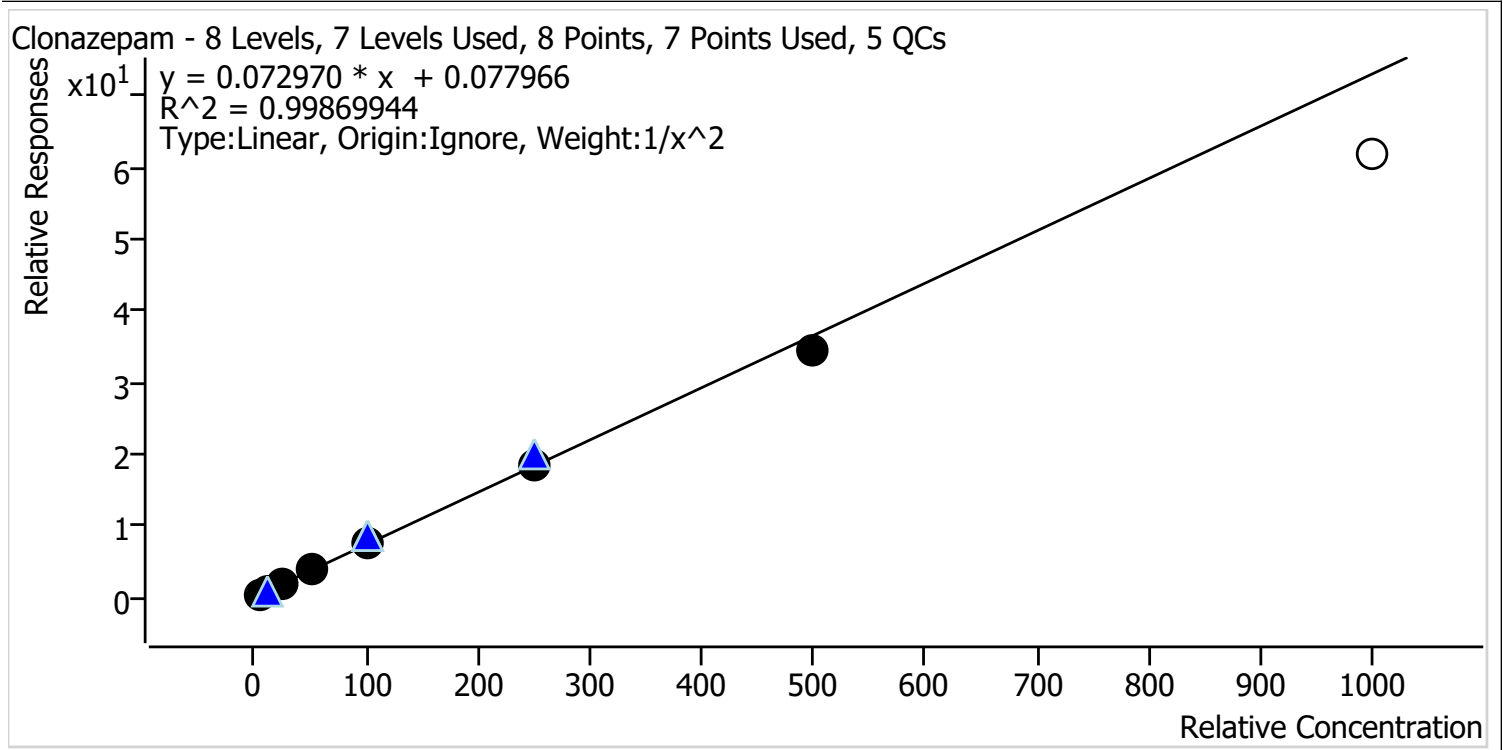
| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 5.1                 | 101.1    |
| p1 Cal 2-10ng   | 2     | ✓       | 10.0                   | 9.9                 | 99.5     |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 24.2                | 96.7     |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 49.3                | 98.7     |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 96.2                | 96.2     |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 255.0               | 102.0    |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 520.5               | 104.1    |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 1017.3              | 101.7    |

TS



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28\_P1\_TS.batch.bin  
**Last Cal. Update** 11/10/2021 9:34 AM  
**Analyst Name** ISP\tsalazar  
**Analyte** Clonazepam **Internal Standard** Clonazepam-D4



| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 4.9                 | 98.1     |
| p1 Cal 2-10ng   | 2     | ✓       | 10.0                   | 10.3                | 103.1    |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 25.1                | 100.4    |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 51.3                | 102.5    |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 101.7               | 101.7    |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 250.1               | 100.0    |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 471.0               | 94.2     |
| p1 Cal 8-1000ng | 8     | x       | 1000.0                 | 844.3               | 84.4     |

Cal 8 dropped due to linearity.

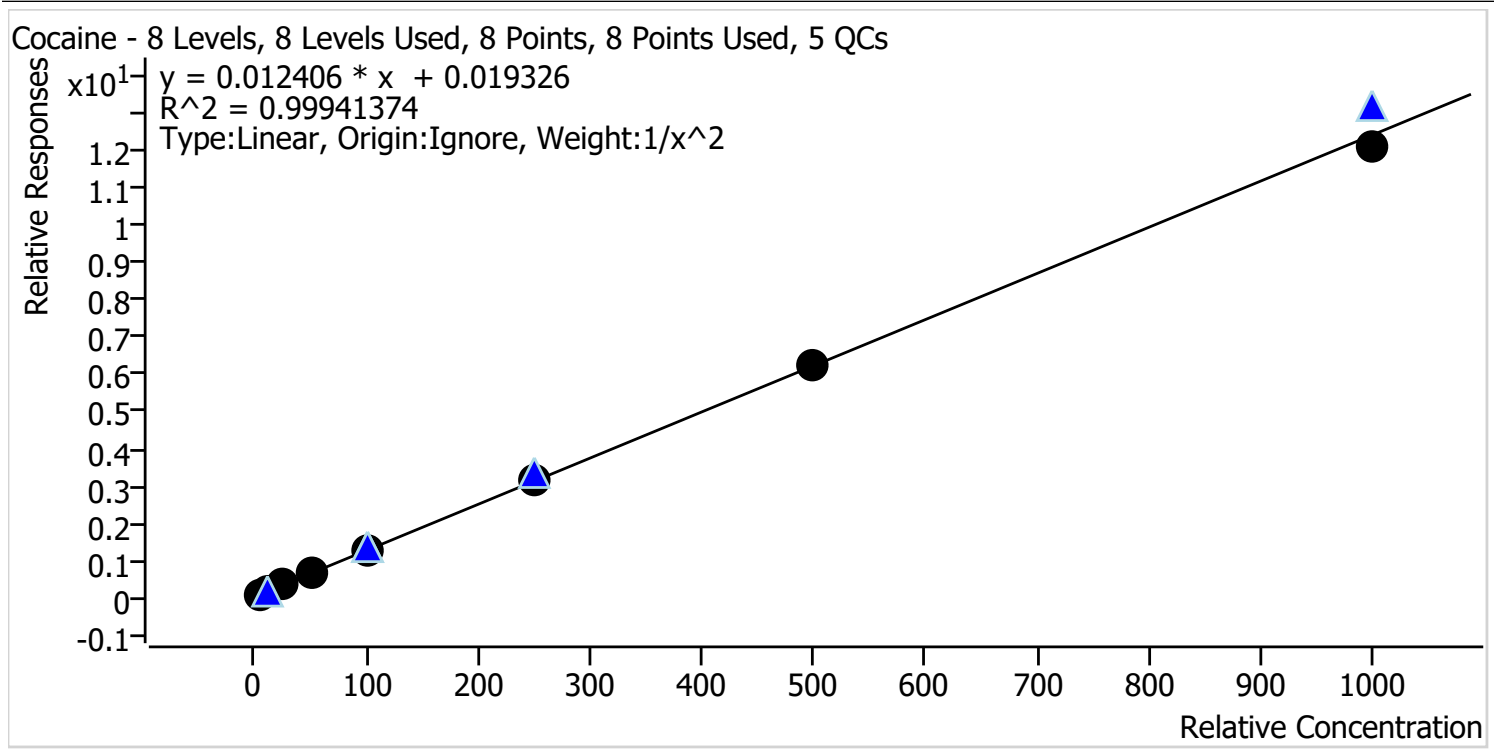


TS



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28\_P1\_TS.batch.bin  
**Last Cal. Update** 11/10/2021 9:34 AM  
**Analyst Name** ISP\tsalazar  
**Analyte** Cocaine **Internal Standard** Cocaine-d3



| 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                 | 96.3     |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 25.1                | 100.6    |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 50.8                | 101.7    |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 102.7               | 102.7    |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 249.2               | 99.7     |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 498.9               | 99.8     |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 978.3               | 97.8     |

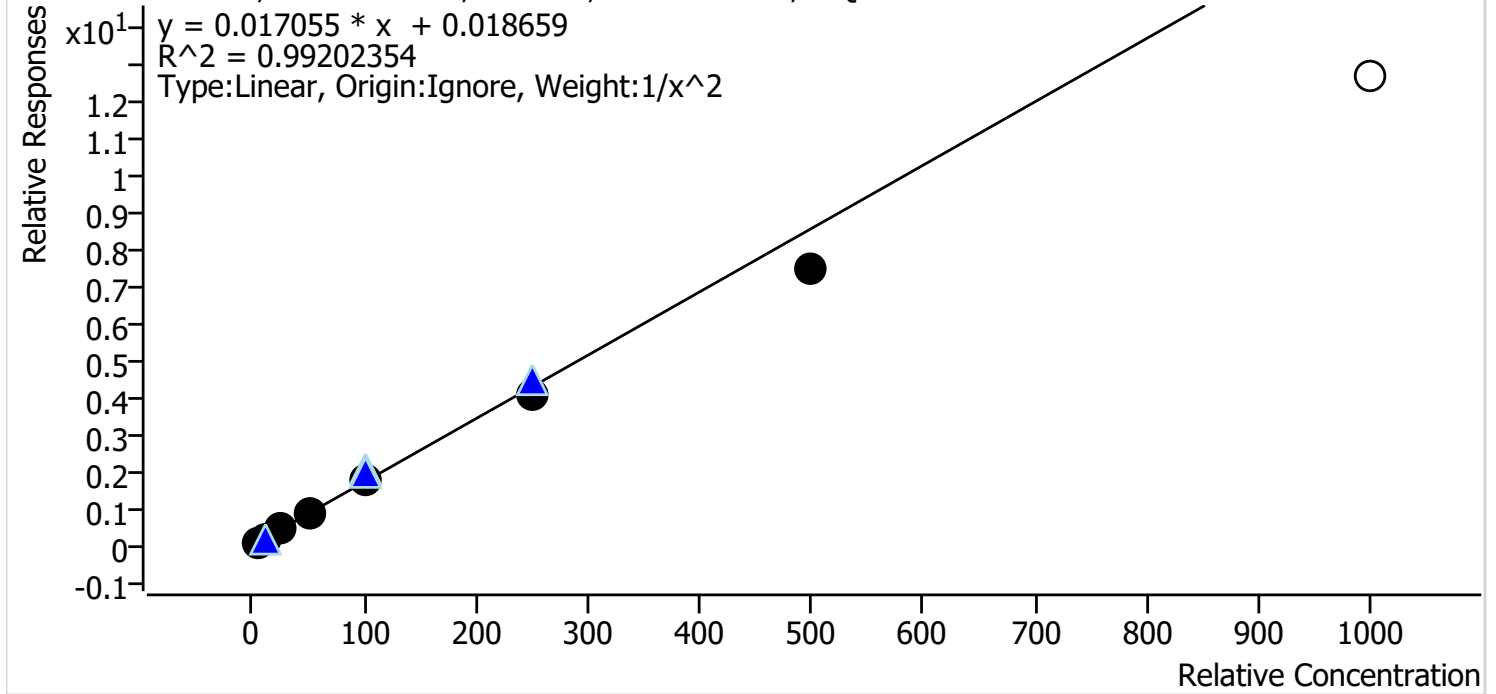
TS



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28\_P1\_TS.batch.bin  
**Last Cal. Update** 11/10/2021 9:34 AM  
**Analyst Name** ISP\tsalazar  
**Analyte** Codeine **Internal Standard** Codeine-D6

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



| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 4.7                 | 94.6     |
| p1 Cal 2-10ng   | 2     | ✓       | 10.0                   | 10.7                | 107.2    |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 26.6                | 106.6    |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 52.9                | 105.9    |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 102.7               | 102.7    |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 239.2               | 95.7     |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 436.9               | 87.4     |
| p1 Cal 8-1000ng | 8     | x       | 1000.0                 | 742.1               | 74.2     |

Cal 8 dropped due to linearity.

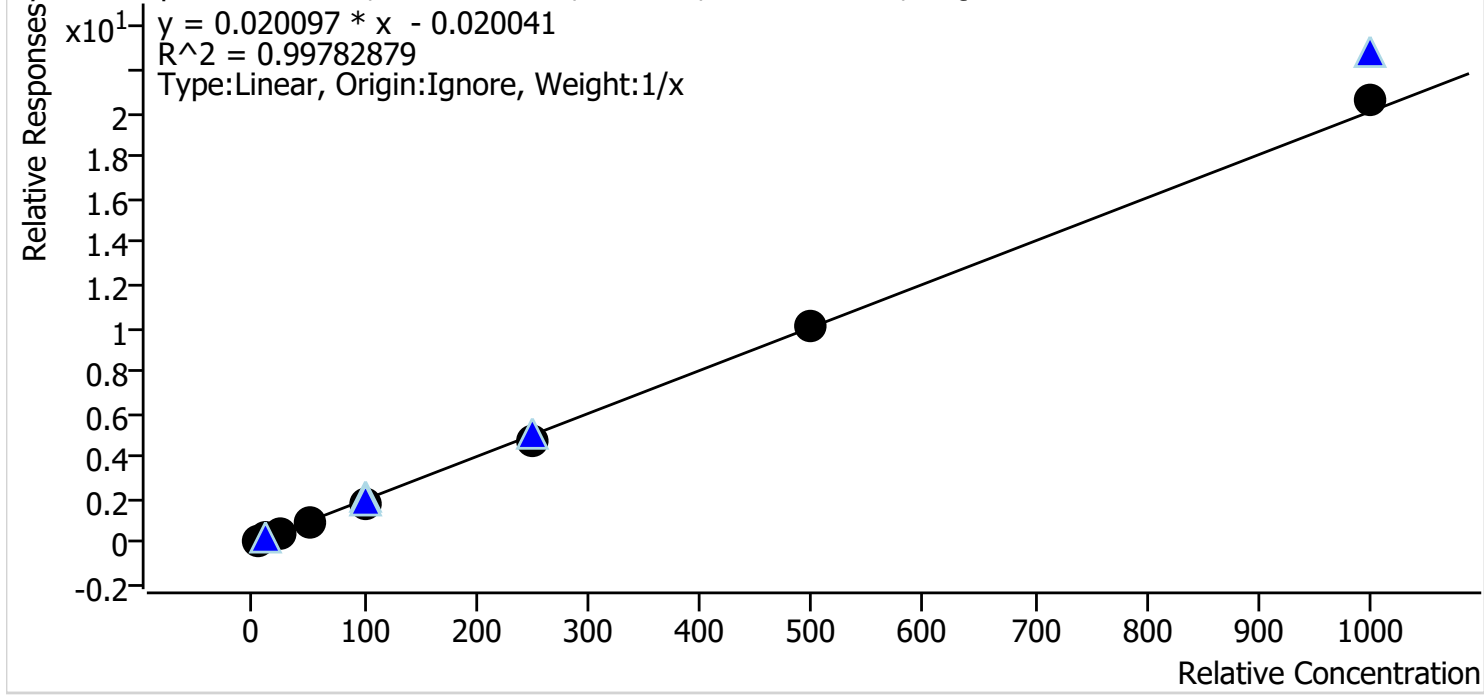
TS



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28\_P1\_TS.batch.bin  
**Last Cal. Update** 11/10/2021 9:34 AM  
**Analyst Name** ISP\tsalazar  
**Analyte** Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3

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



| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 6.3                 | 126.0    |
| p1 Cal 2-10ng   | 2     | ✓       | 10.0                   | 10.6                | 105.8    |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 23.2                | 92.7     |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 44.6                | 89.3     |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 87.8                | 87.8     |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 238.4               | 95.4     |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 501.8               | 100.4    |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 1027.2              | 102.7    |

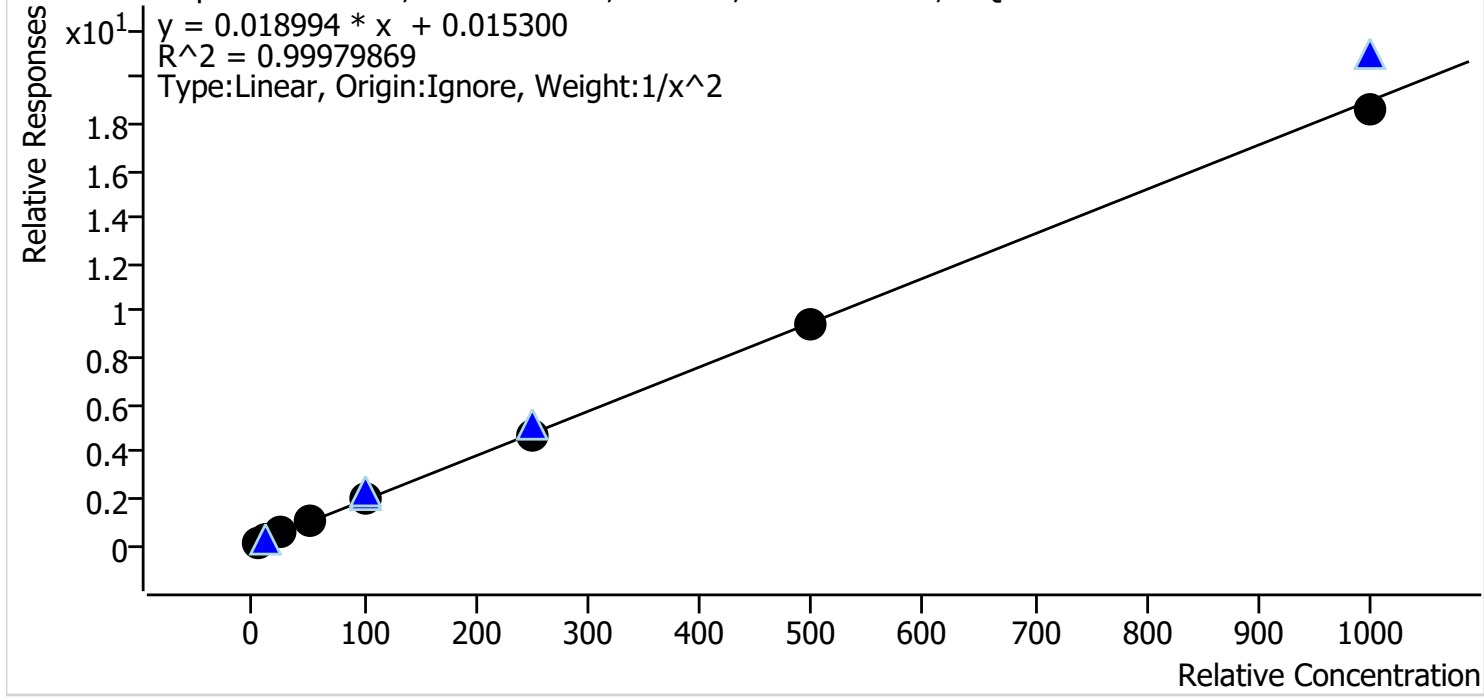
TS



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28\_P1\_TS.batch.bin  
**Last Cal. Update** 11/10/2021 9:34 AM  
**Analyst Name** ISP\tsalazar  
**Analyte** Dextromethorphan **Internal Standard** Dextromethorphan-D3

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



| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 5.0                 | 99.9     |
| p1 Cal 2-10ng   | 2     | ✓       | 10.0                   | 10.0                | 99.6     |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 25.0                | 100.1    |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 50.9                | 101.9    |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 101.3               | 101.3    |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 249.7               | 99.9     |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 497.9               | 99.6     |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 977.5               | 97.7     |

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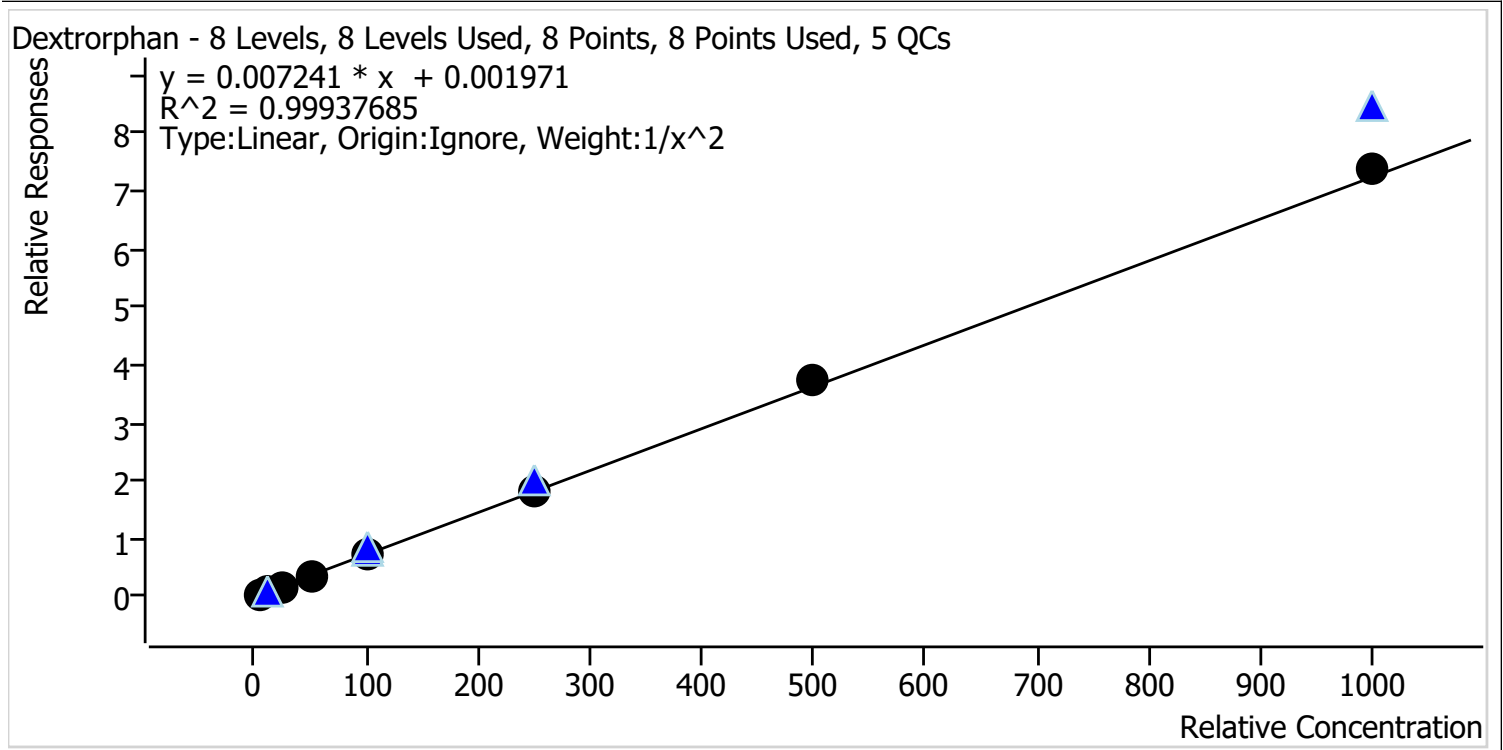
# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28\_P1\_TS.batch.bin

**Last Cal. Update** 11/10/2021 9:34 AM

**Analyst Name** ISP\tsalazar

**Analyte** Dextrorphan **Internal Standard** Dextrorphan-D3



| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 5.1                 | 101.2    |
| p1 Cal 2-10ng   | 2     | ✓       | 10.0                   | 9.9                 | 99.5     |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 24.0                | 95.9     |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 49.1                | 98.1     |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 100.3               | 100.3    |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 251.1               | 100.4    |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 512.9               | 102.6    |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 1019.7              | 102.0    |

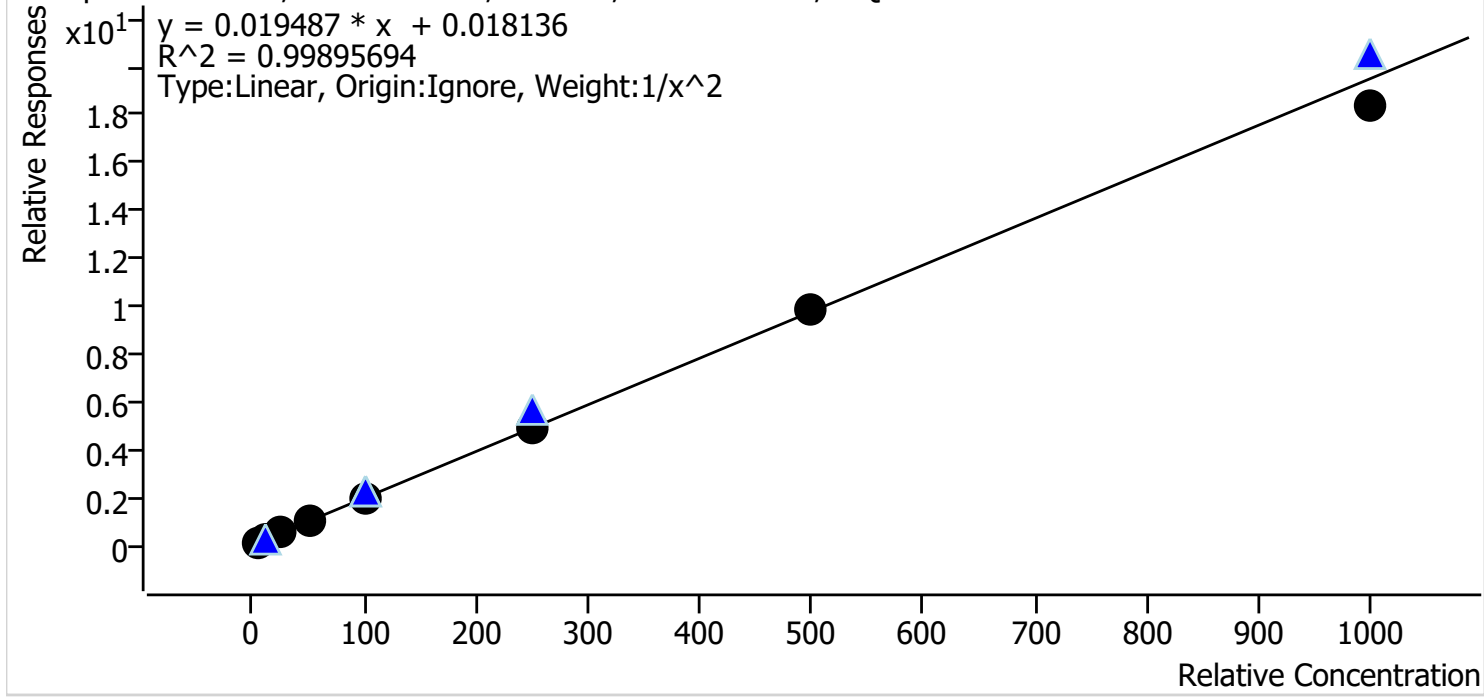
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28\_P1\_TS.batch.bin  
**Last Cal. Update** 11/10/2021 9:34 AM  
**Analyst Name** ISP\tsalazar  
**Analyte** Diazepam **Internal Standard** Diazepam-D5

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



| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 5.0                 | 99.2     |
| p1 Cal 2-10ng   | 2     | ✓       | 10.0                   | 10.2                | 101.6    |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 24.6                | 98.3     |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 51.4                | 102.9    |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 101.2               | 101.2    |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 253.7               | 101.5    |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 506.6               | 101.3    |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 940.6               | 94.1     |



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

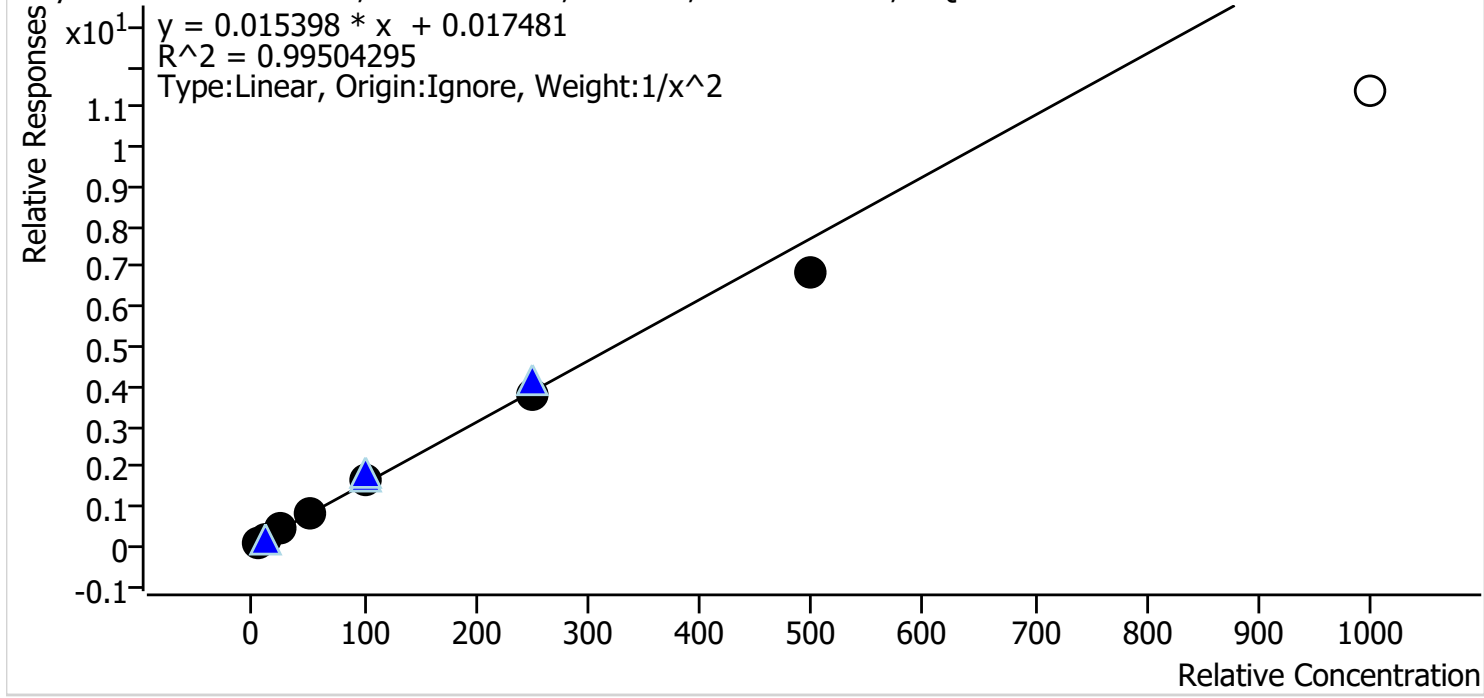
**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28\_P1\_TS.batch.bin

**Last Cal. Update** 11/10/2021 9:34 AM

**Analyst Name** ISP\tsalazar

**Analyte** Dihydrocodeine **Internal Standard** Dihydrocodeine-D6

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



| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 4.9                 | 97.1     |
| p1 Cal 2-10ng   | 2     | ✓       | 10.0                   | 10.4                | 104.1    |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 25.1                | 100.3    |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 53.5                | 107.0    |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 103.9               | 103.9    |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 246.3               | 98.5     |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 444.9               | 89.0     |
| p1 Cal 8-1000ng | 8     | x       | 1000.0                 | 739.8               | 74.0     |

Cal 8 dropped due to linearity.

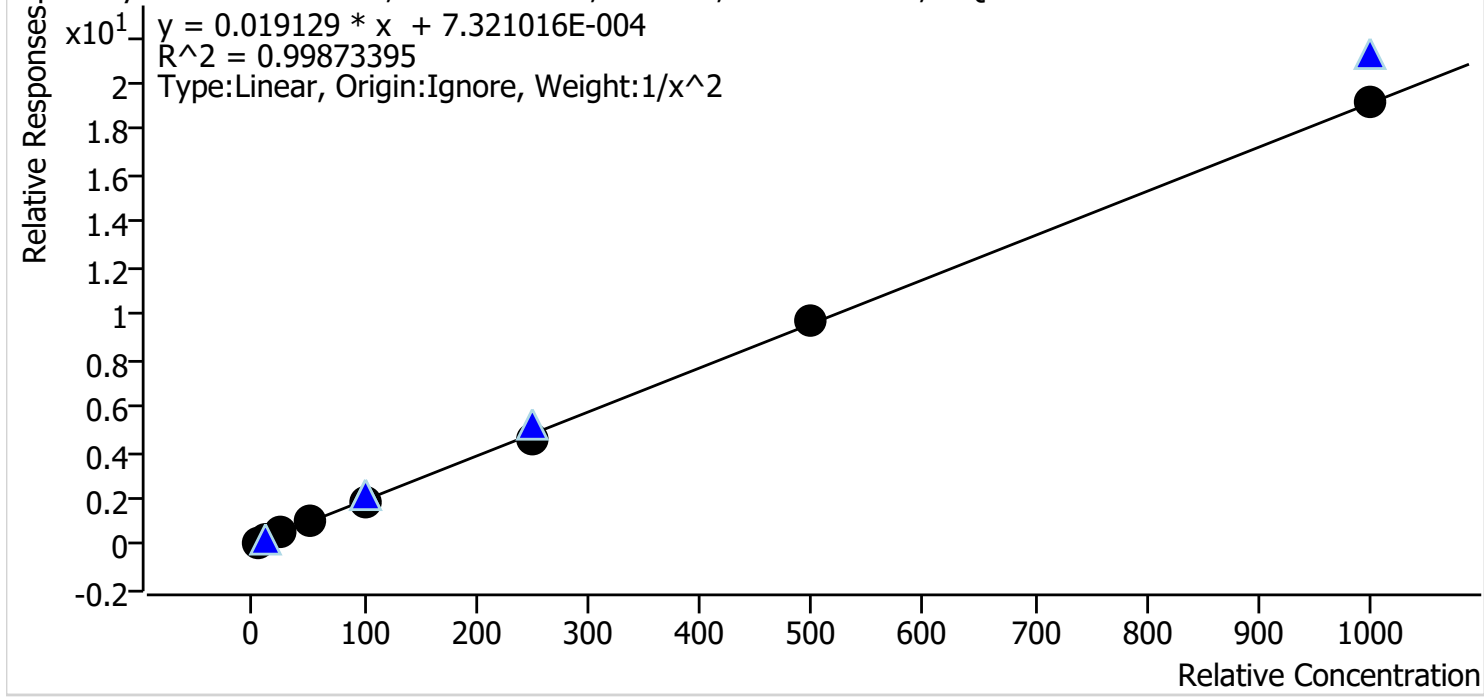
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28\_P1\_TS.batch.bin  
**Last Cal. Update** 11/10/2021 9:34 AM  
**Analyst Name** ISP\tsalazar  
**Analyte** Diphenhydramine **Internal Standard** Diphenhydramine-D3

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



| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 4.8                 | 96.9     |
| p1 Cal 2-10ng   | 2     | ✓       | 10.0                   | 10.6                | 105.8    |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 25.5                | 101.9    |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 49.8                | 99.7     |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 97.1                | 97.1     |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 242.6               | 97.0     |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 507.7               | 101.5    |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 1000.3              | 100.0    |



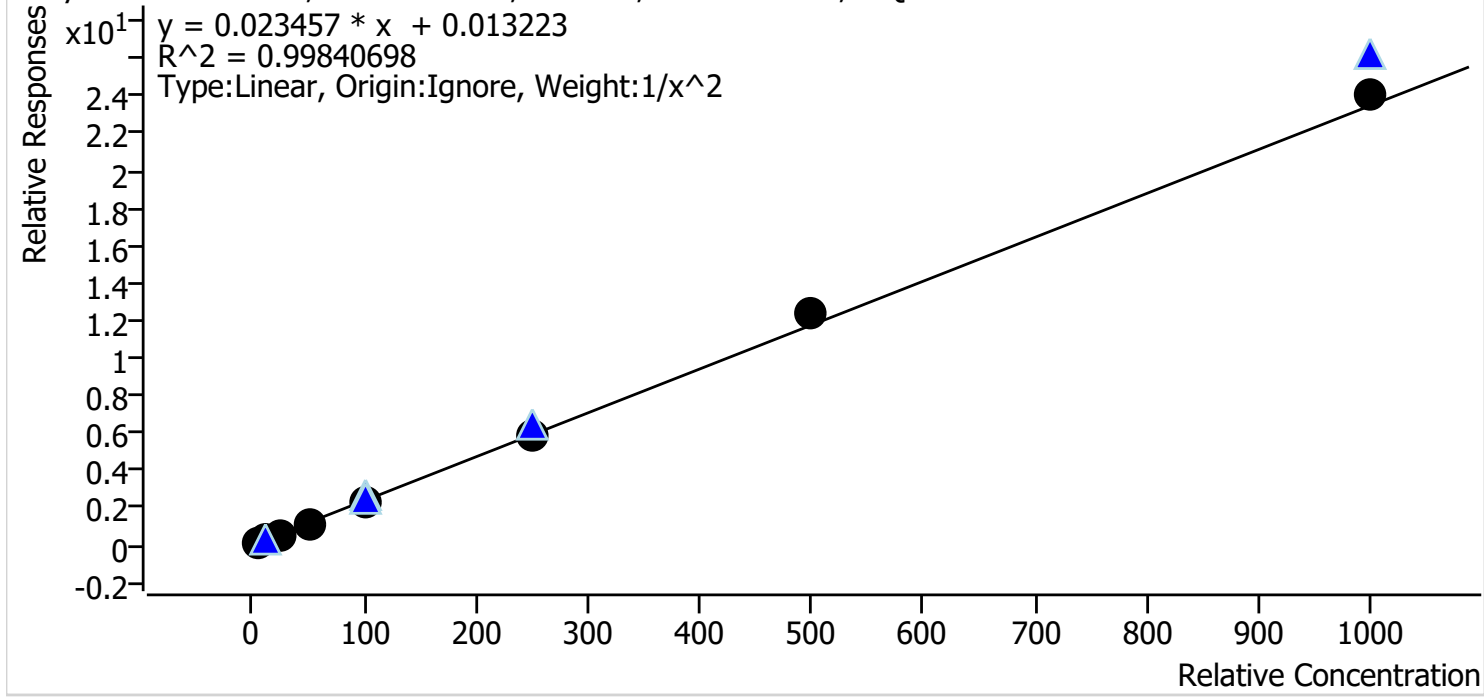
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28\_P1\_TS.batch.bin  
**Last Cal. Update** 11/10/2021 9:34 AM  
**Analyst Name** ISP\tsalazar  
**Analyte** Doxylamine **Internal Standard** Doxylamine-D5

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



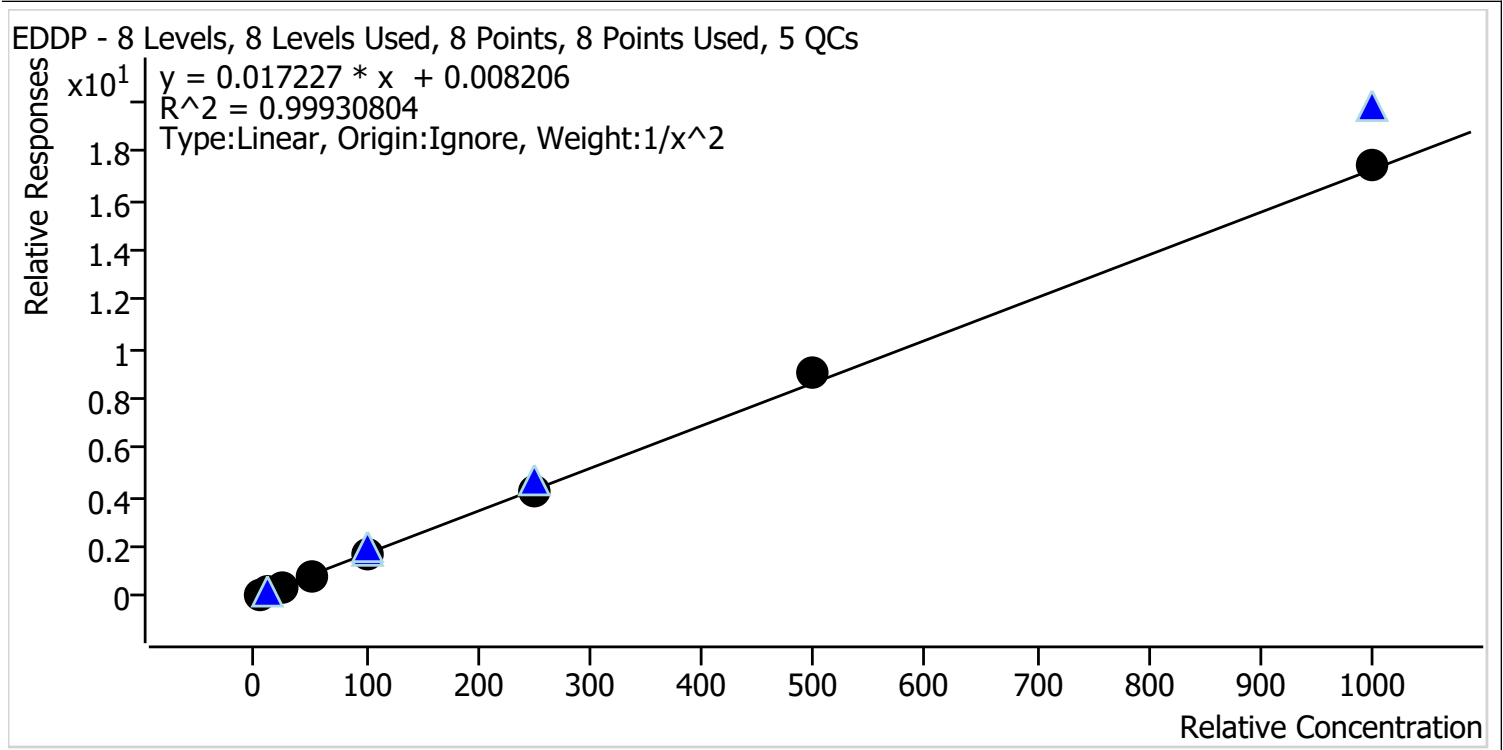
| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 5.1                 | 102.0    |
| p1 Cal 2-10ng   | 2     | ✓       | 10.0                   | 9.8                 | 98.4     |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 24.0                | 95.9     |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 48.6                | 97.1     |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 97.2                | 97.2     |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 251.5               | 100.6    |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 530.3               | 106.1    |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 1027.6              | 102.8    |

TS



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**Last Cal. Update** 11/10/2021 9:34 AM  
**Analyst Name** ISP\tsalazar  
**Analyte** EDDP **Internal Standard** EDDP-D3



| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 5.0                 | 100.4    |
| p1 Cal 2-10ng   | 2     | ✓       | 10.0                   | 10.1                | 100.8    |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 24.2                | 96.8     |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 49.1                | 98.2     |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 98.4                | 98.4     |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 249.3               | 99.7     |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 521.1               | 104.2    |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 1014.0              | 101.4    |



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

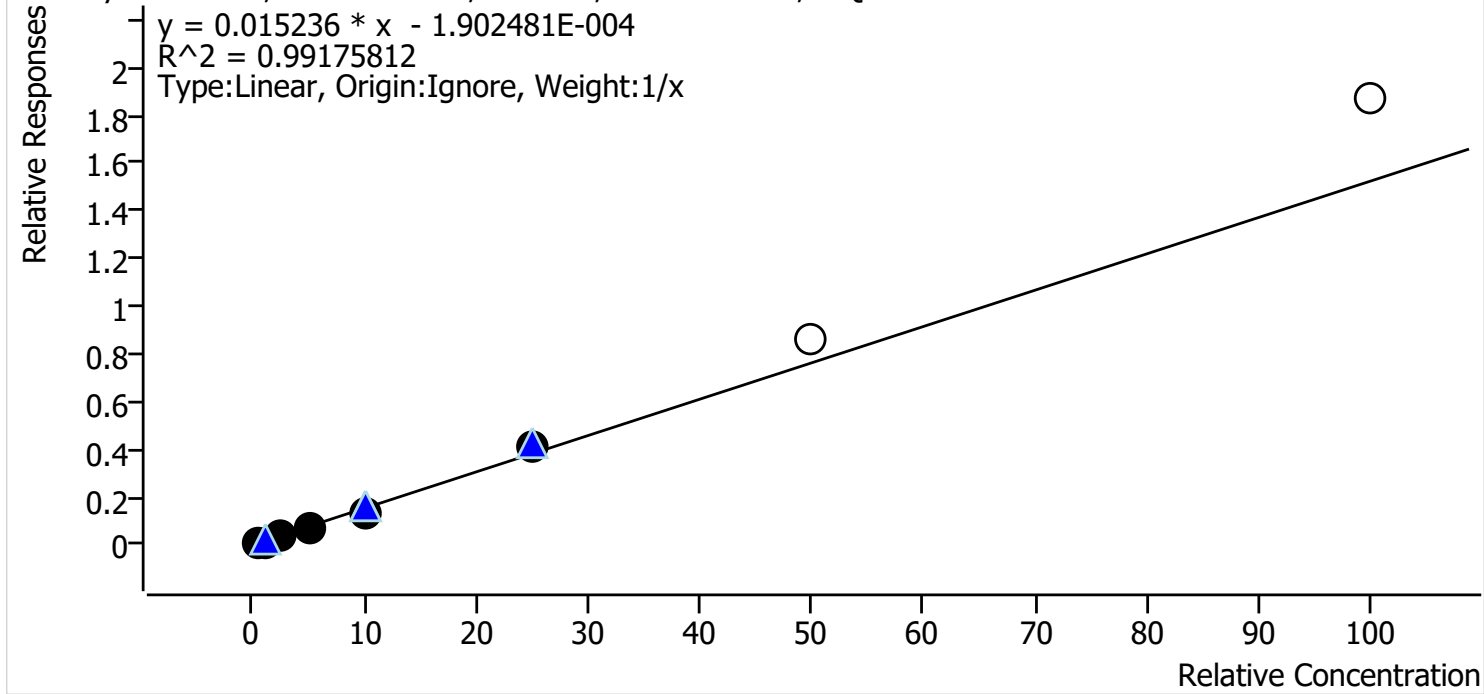
**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28\_P1\_TS.batch.bin

**Last Cal. Update** 11/10/2021 9:34 AM

**Analyst Name** ISP\tsalazar

**Analyte** Fentanyl **Internal Standard** Fentanyl-D5

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



| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 0.5                    | 0.6                 | 127.2    |
| p1 Cal 2-10ng   | 2     | ✓       | 1.0                    | 1.0                 | 95.2     |
| p1 Cal 3 -25ng  | 3     | ✓       | 2.5                    | 2.3                 | 90.5     |
| p1 Cal 4-50ng   | 4     | ✓       | 5.0                    | 4.5                 | 89.8     |
| p1 Cal 5-100ng  | 5     | ✓       | 10.0                   | 9.1                 | 91.2     |
| p1 Cal 6-250ng  | 6     | ✓       | 25.0                   | 26.5                | 106.2    |
| p1 Cal 7-500ng  | 7     | x       | 50.0                   | 56.8                | 113.6    |
| p1 Cal 8-1000ng | 8     | x       | 100.0                  | 123.0               | 123.0    |

Cal 7 and 8 dropped due to linearity.



TS

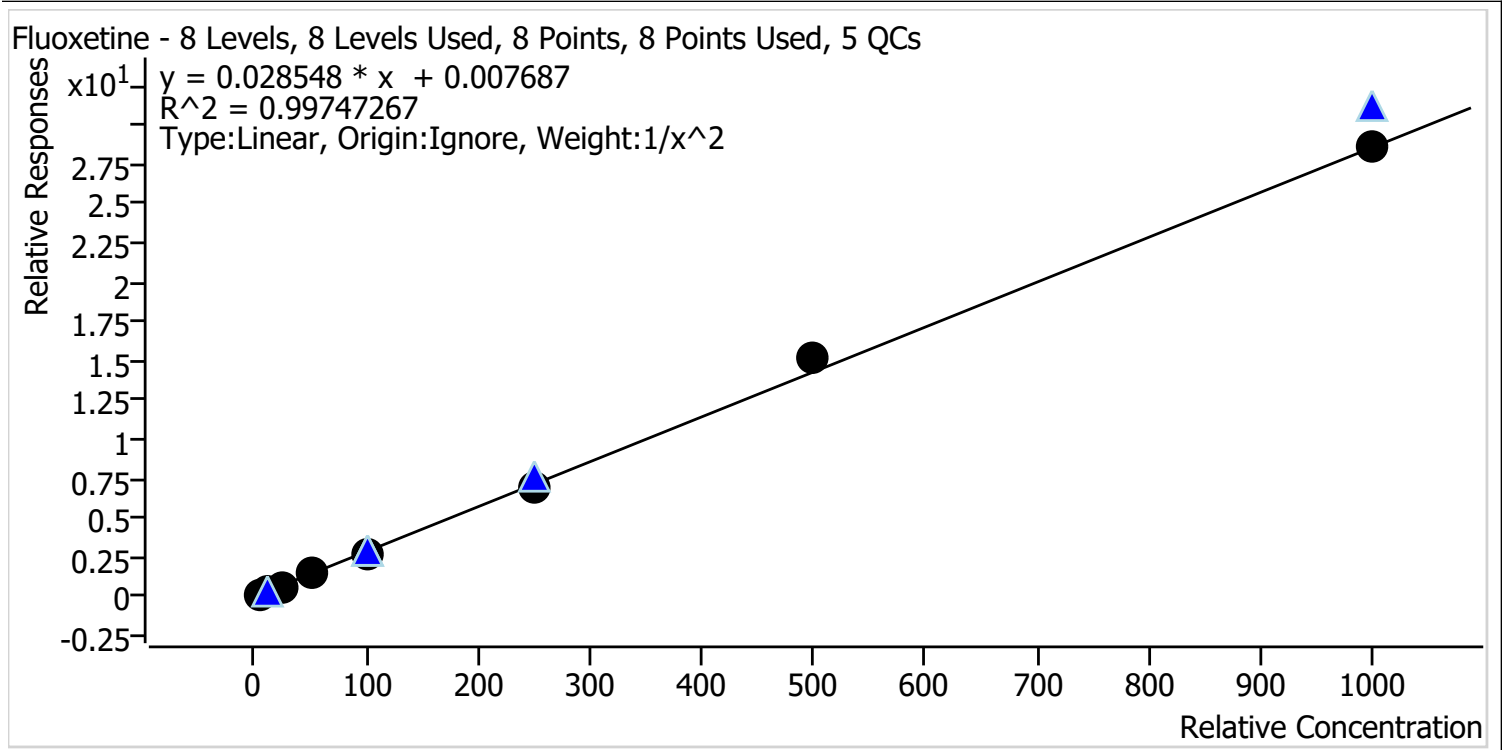
# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28\_P1\_TS.batch.bin

**Last Cal. Update** 11/10/2021 9:34 AM

**Analyst Name** ISP\tsalazar

**Analyte** Fluoxetine **Internal Standard** Fluoxetine-D6



| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 4.9                 | 97.9     |
| p1 Cal 2-10ng   | 2     | ✓       | 10.0                   | 10.6                | 106.3    |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 23.7                | 94.8     |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 50.6                | 101.2    |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 97.3                | 97.3     |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 240.2               | 96.1     |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 531.2               | 106.2    |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 1001.9              | 100.2    |



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

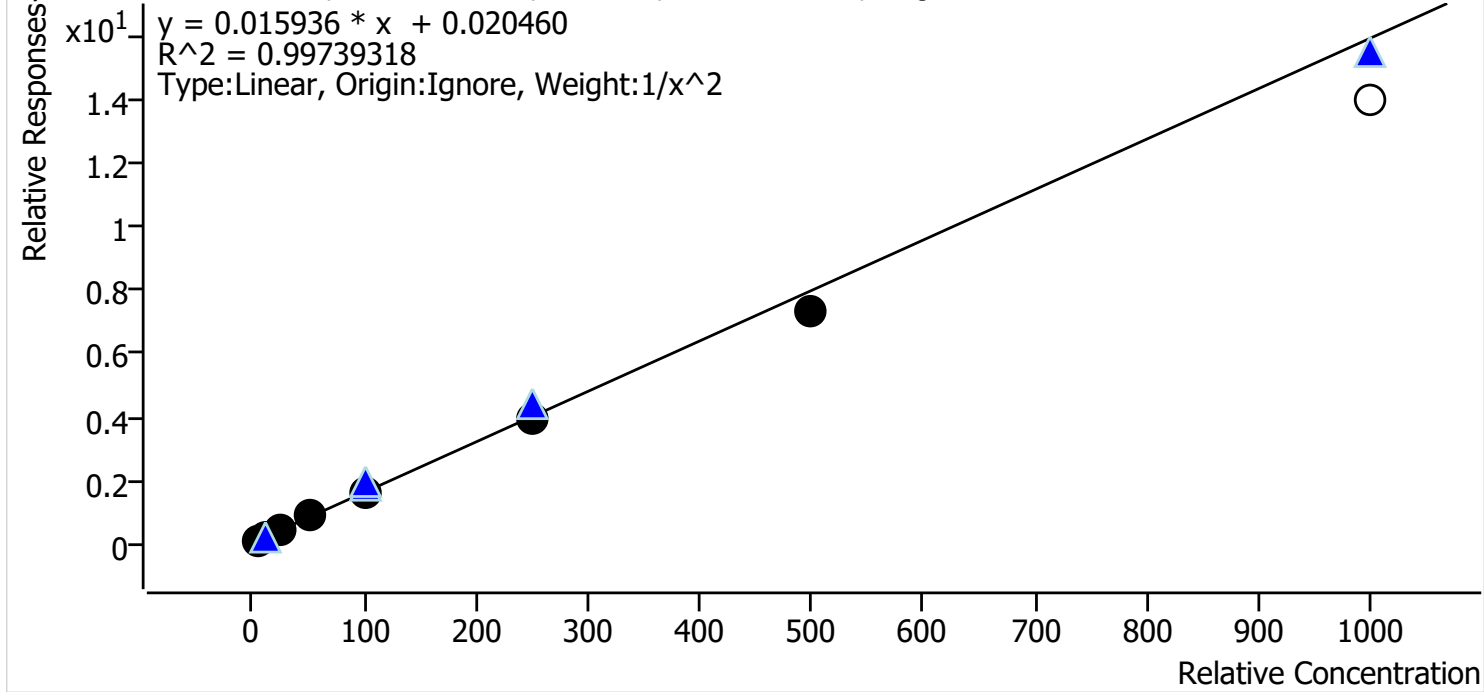
**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28\_P1\_TS.batch.bin

**Last Cal. Update** 11/10/2021 9:34 AM

**Analyst Name** ISP\tsalazar

**Analyte** Hydrocodone **Internal Standard** Hydrocodone-D6

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



| 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                | 101.6    |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 25.6                | 102.3    |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 52.7                | 105.3    |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 102.9               | 102.9    |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 243.0               | 97.2     |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 462.5               | 92.5     |
| p1 Cal 8-1000ng | 8     | x       | 1000.0                 | 875.6               | 87.6     |

Cal 8 dropped due to linearity affecting the accuracy of 100ng QC.

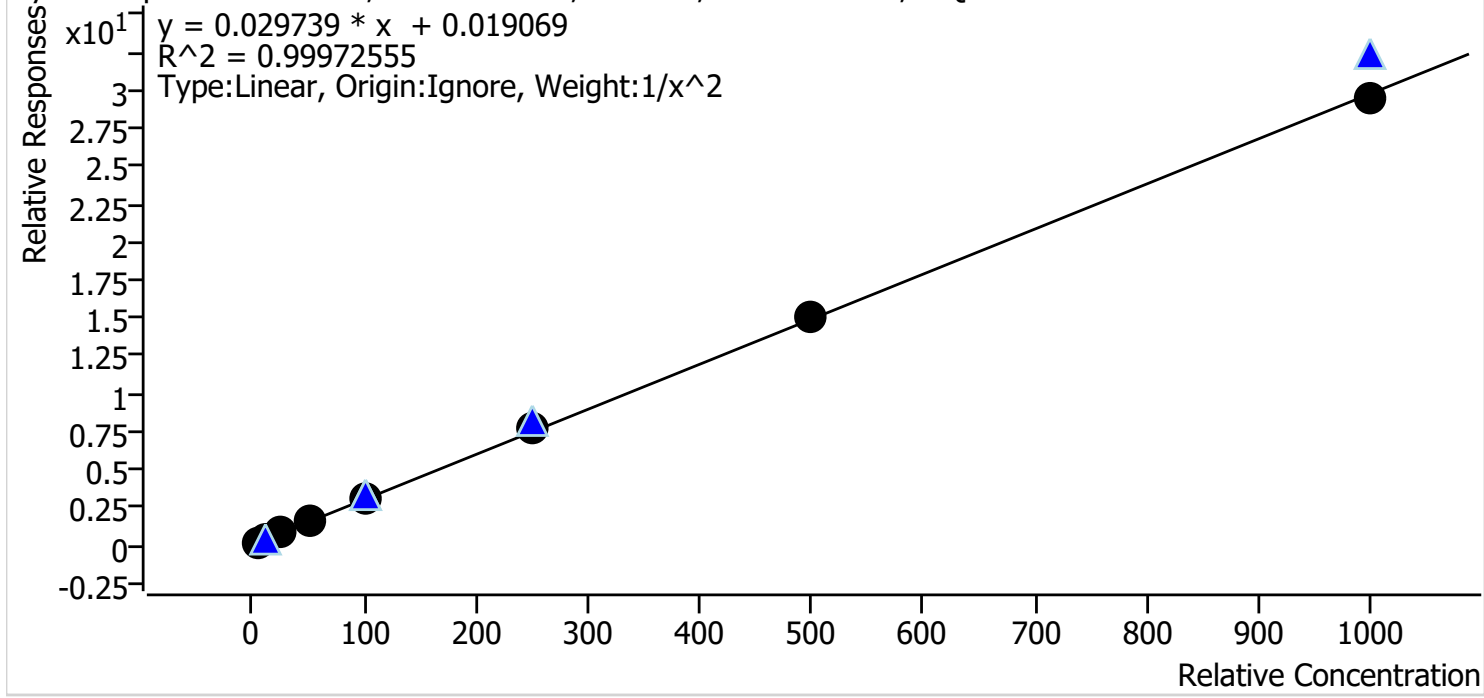
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**Last Cal. Update** 11/10/2021 9:34 AM  
**Analyst Name** ISP\tsalazar  
**Analyte** Hydromorphone **Internal Standard** Hydromorphone-D6

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



| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 5.0                 | 100.6    |
| p1 Cal 2-10ng   | 2     | ✓       | 10.0                   | 9.9                 | 99.2     |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 24.8                | 99.4     |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 49.7                | 99.4     |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 98.4                | 98.4     |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 257.0               | 102.8    |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 505.8               | 101.2    |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 990.4               | 99.0     |

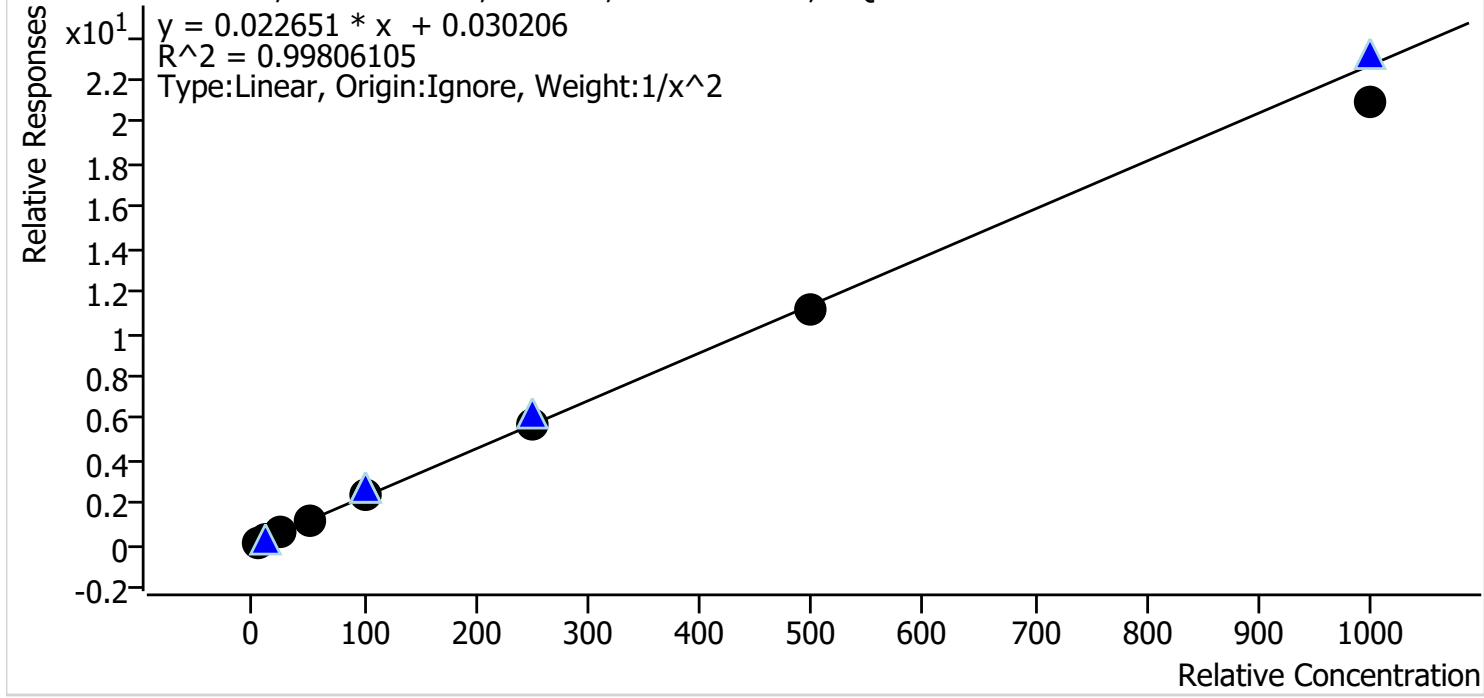
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**Last Cal. Update** 11/10/2021 9:34 AM  
**Analyst Name** ISP\tsalazar  
**Analyte** Ketamine **Internal Standard** Ketamine-D4

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



| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 4.9                 | 97.9     |
| p1 Cal 2-10ng   | 2     | ✓       | 10.0                   | 10.2                | 102.5    |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 25.4                | 101.7    |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 51.8                | 103.6    |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 103.5               | 103.5    |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 250.4               | 100.2    |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 492.2               | 98.4     |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 921.7               | 92.2     |



TS

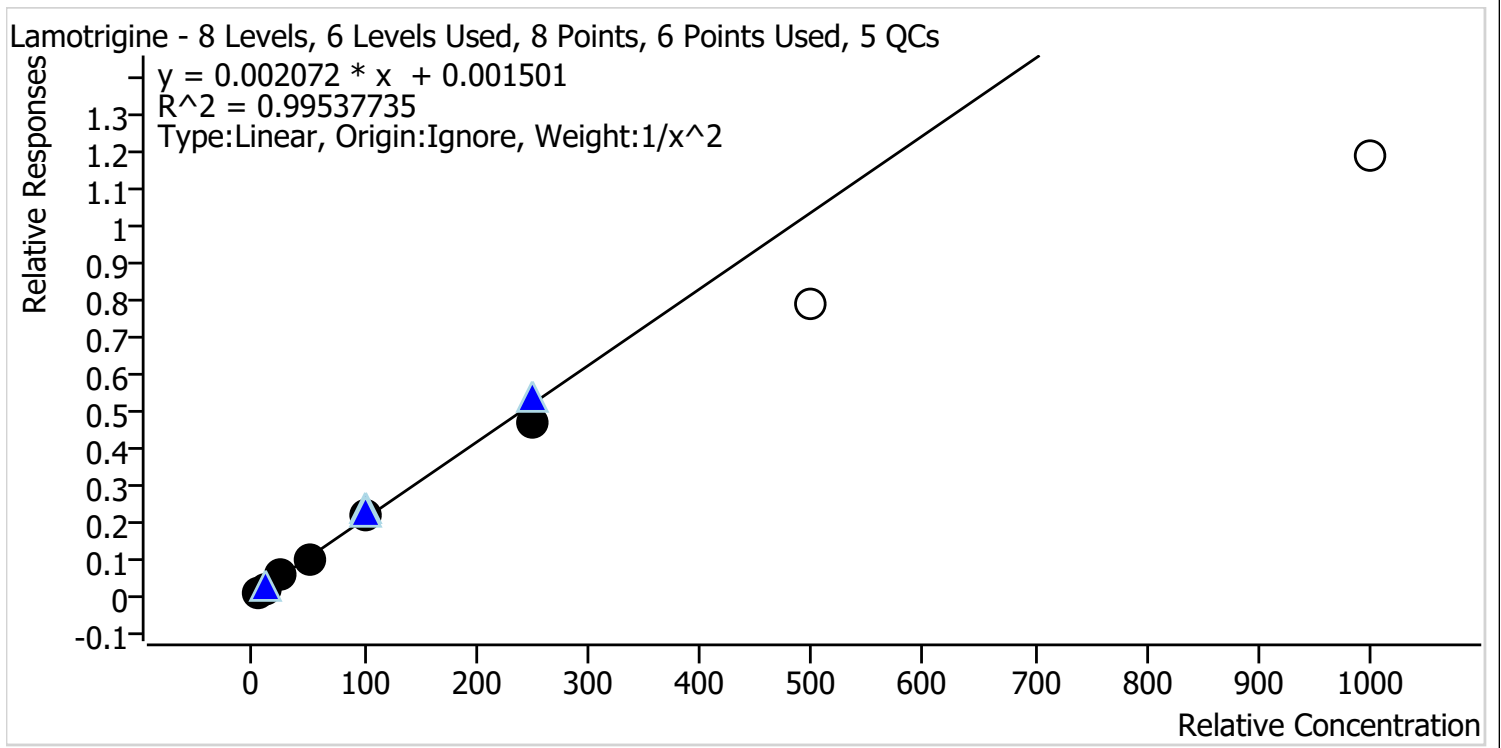
# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28\_P1\_TS.batch.bin

**Last Cal. Update** 11/10/2021 9:34 AM

**Analyst Name** ISP\tsalazar

**Analyte** Lamotrigine **Internal Standard** Ketamine-D4



| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 4.9                 | 97.2     |
| p1 Cal 2-10ng   | 2     | ✓       | 10.0                   | 10.3                | 103.3    |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 26.7                | 106.6    |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 49.3                | 98.5     |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 103.3               | 103.3    |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 227.8               | 91.1     |
| p1 Cal 7-500ng  | 7     | ✗       | 500.0                  | 380.9               | 76.2     |
| p1 Cal 8-1000ng | 8     | ✗       | 1000.0                 | 574.7               | 57.5     |

Cal 7 and 8 dropped due to linearity.

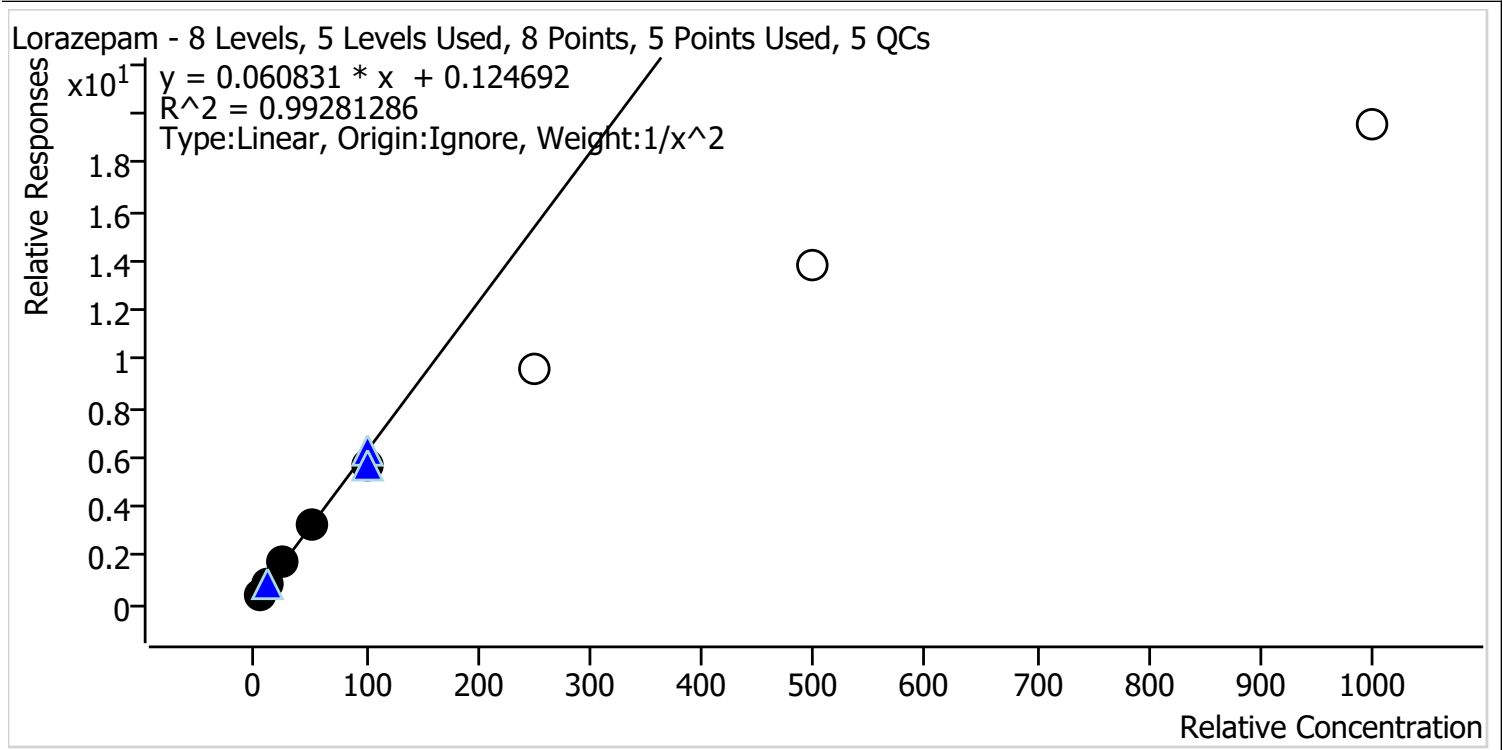




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**Last Cal. Update** 11/10/2021 9:34 AM  
**Analyst Name** ISP\tsalazar  
**Analyte** Lorazepam **Internal Standard** Clonazepam-D4



| 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                   | 10.7                | 106.5    |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 26.3                | 105.1    |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 50.8                | 101.6    |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 90.8                | 90.8     |
| p1 Cal 6-250ng  | 6     | ✗       | 250.0                  | 154.8               | 61.9     |
| p1 Cal 7-500ng  | 7     | ✗       | 500.0                  | 225.1               | 45.0     |
| p1 Cal 8-1000ng | 8     | ✗       | 1000.0                 | 319.4               | 31.9     |

Cal 6, 7, and 8 dropped due to linearity.



TS

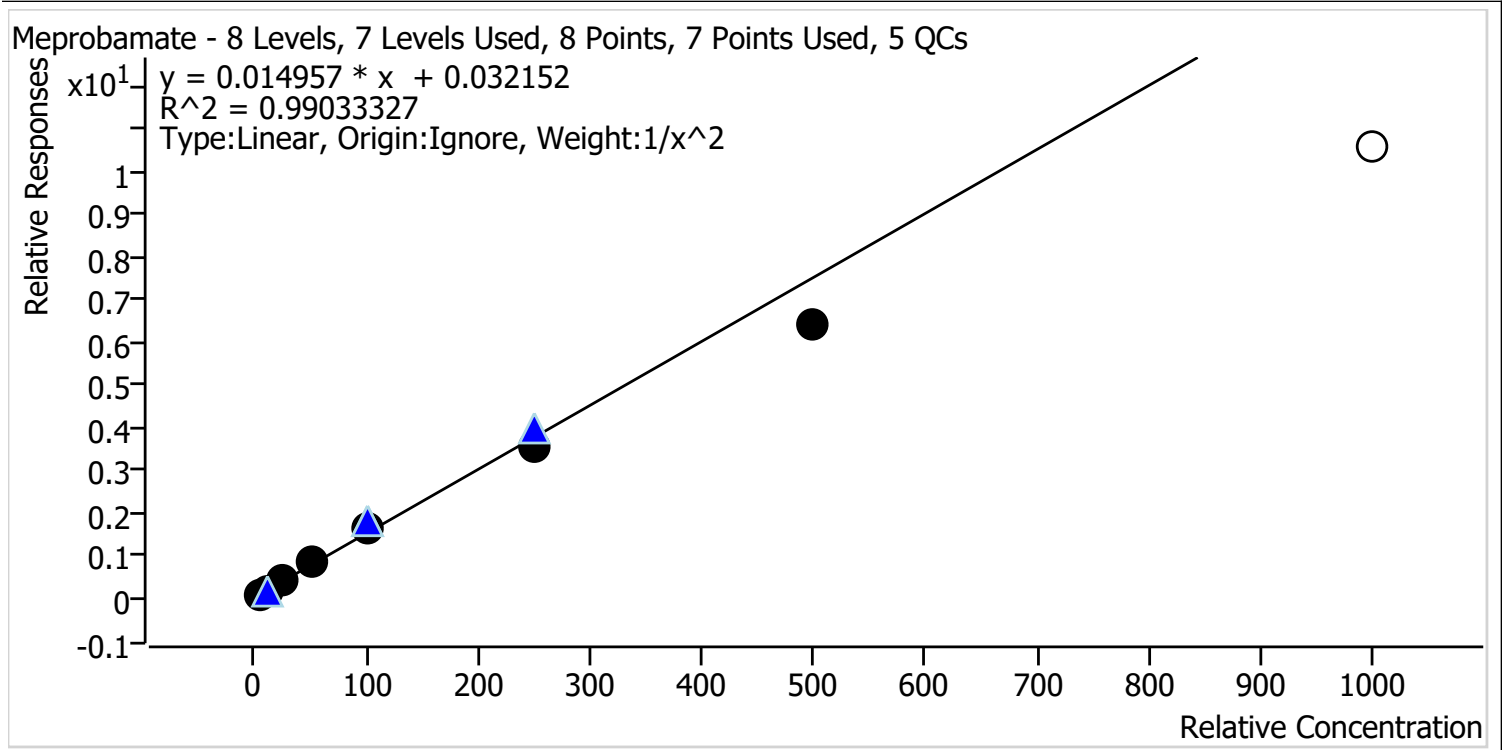
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**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28\_P1\_TS.batch.bin

**Last Cal. Update** 11/10/2021 9:34 AM

**Analyst Name** ISP\tsalazar

**Analyte** Meprobamate **Internal Standard** Meprobamate-D7



| 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                   | 10.3                | 103.3    |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 26.8                | 107.3    |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 53.7                | 107.5    |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 105.7               | 105.7    |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 238.2               | 95.3     |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 424.4               | 84.9     |
| p1 Cal 8-1000ng | 8     | x       | 1000.0                 | 703.5               | 70.4     |

Cal 8 dropped due to linearity.

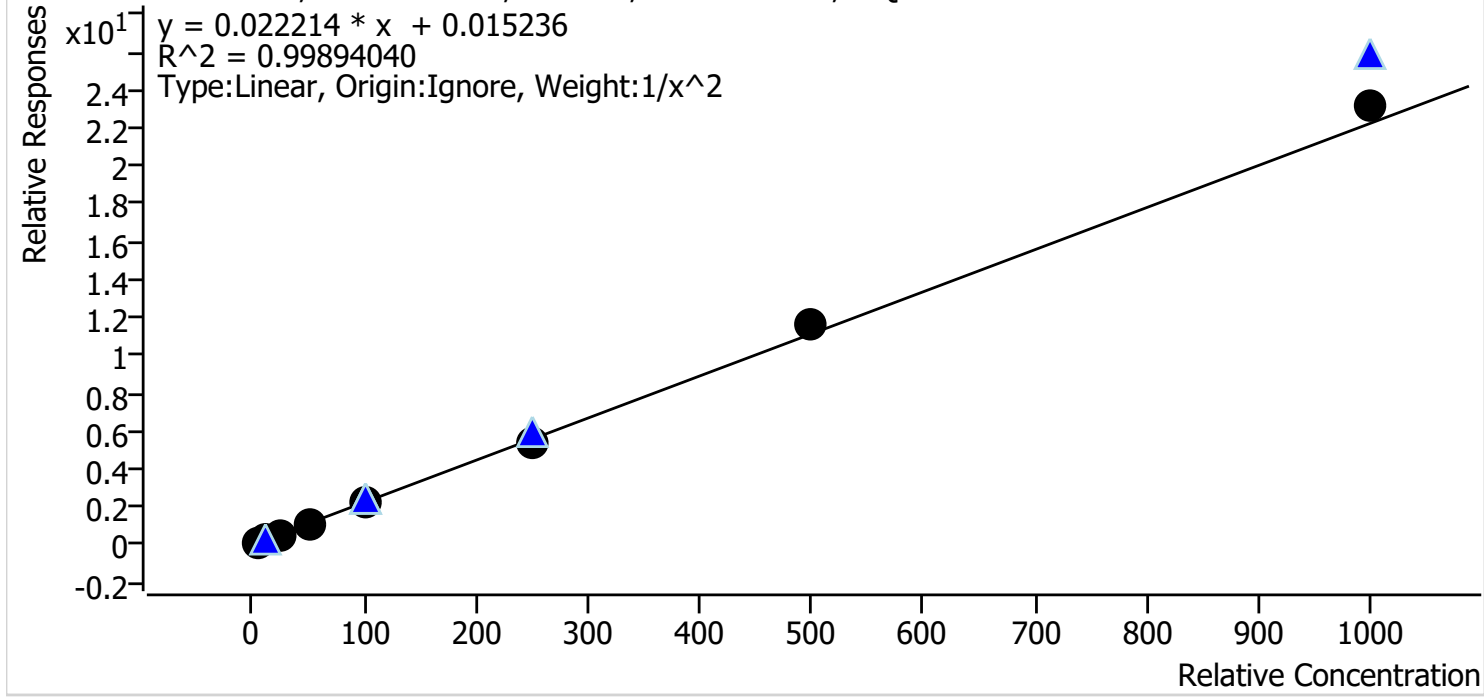
TS



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28\_P1\_TS.batch.bin  
**Last Cal. Update** 11/10/2021 9:34 AM  
**Analyst Name** ISP\tsalazar  
**Analyte** Methadone **Internal Standard** Methadone-D9

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



| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 5.1                 | 101.2    |
| p1 Cal 2-10ng   | 2     | ✓       | 10.0                   | 9.9                 | 99.1     |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 24.5                | 98.0     |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 49.1                | 98.2     |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 97.4                | 97.4     |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 244.7               | 97.9     |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 520.8               | 104.2    |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 1041.9              | 104.2    |

TS



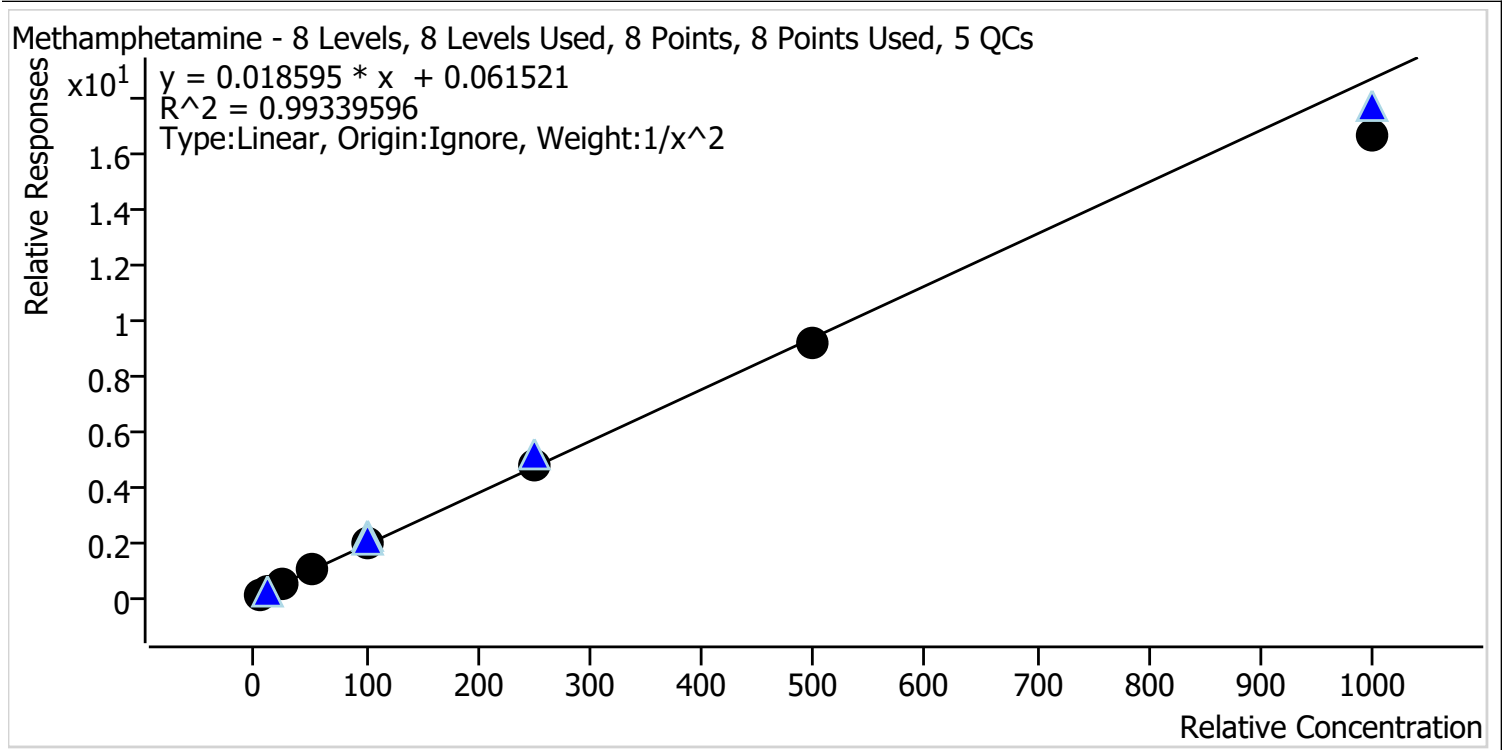
# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28\_P1\_TS.batch.bin

**Last Cal. Update** 11/10/2021 9:34 AM

**Analyst Name** ISP\tsalazar

**Analyte** Methamphetamine **Internal Standard** Methamphetamine-D11



| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 4.7                 | 93.1     |
| p1 Cal 2-10ng   | 2     | ✓       | 10.0                   | 11.2                | 111.9    |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 25.6                | 102.2    |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 52.5                | 104.9    |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 101.2               | 101.2    |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 251.0               | 100.4    |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 486.9               | 97.4     |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 888.6               | 88.9     |

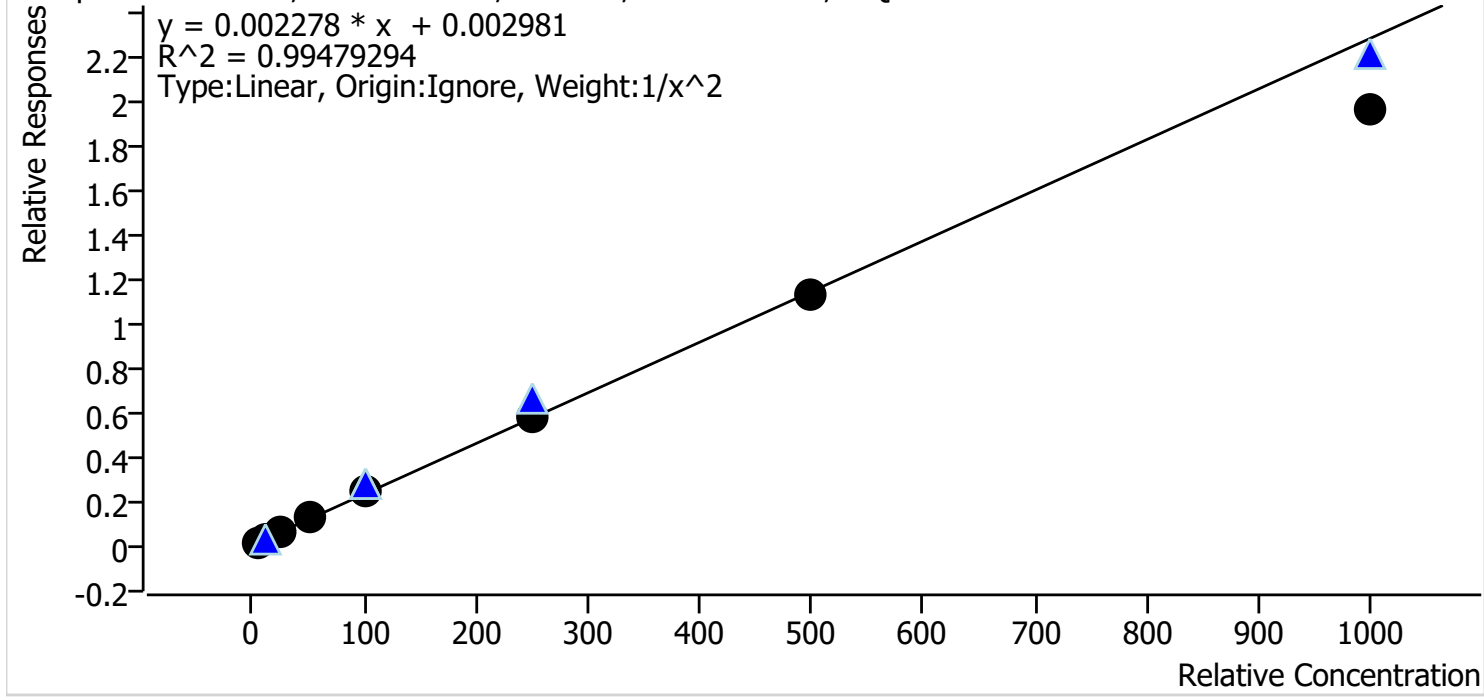
TS



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28\_P1\_TS.batch.bin  
**Last Cal. Update** 11/10/2021 9:34 AM  
**Analyst Name** ISP\tsalazar  
**Analyte** Metoprolol **Internal Standard** Tramadol-13C-D3

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



| 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                   | 10.3                | 103.4    |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 26.0                | 103.9    |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 52.3                | 104.6    |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 105.2               | 105.2    |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 253.2               | 101.3    |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 492.3               | 98.5     |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 863.1               | 86.3     |



TS

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

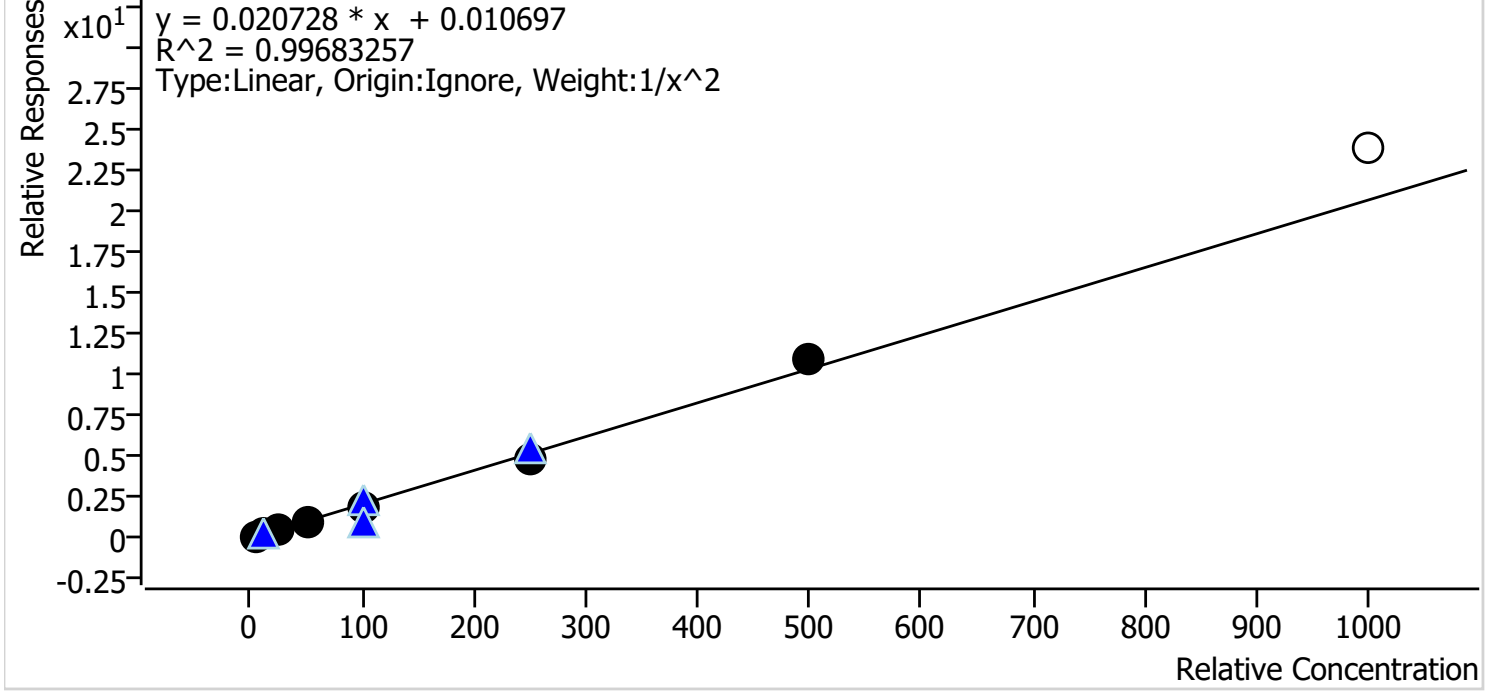
**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28\_P1\_TS.batch.bin

**Last Cal. Update** 11/10/2021 9:34 AM

**Analyst Name** ISP\tsalazar

**Analyte** Mirtazapine **Internal Standard** alpha-PVP-d8

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



| 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                | 104.4    |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 24.3                | 97.1     |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 51.8                | 103.5    |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 94.7                | 94.7     |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 238.4               | 95.4     |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 533.0               | 106.6    |
| p1 Cal 8-1000ng | 8     | x       | 1000.0                 | 1151.9              | 115.2    |

Cal 8 dropped due to linearity.

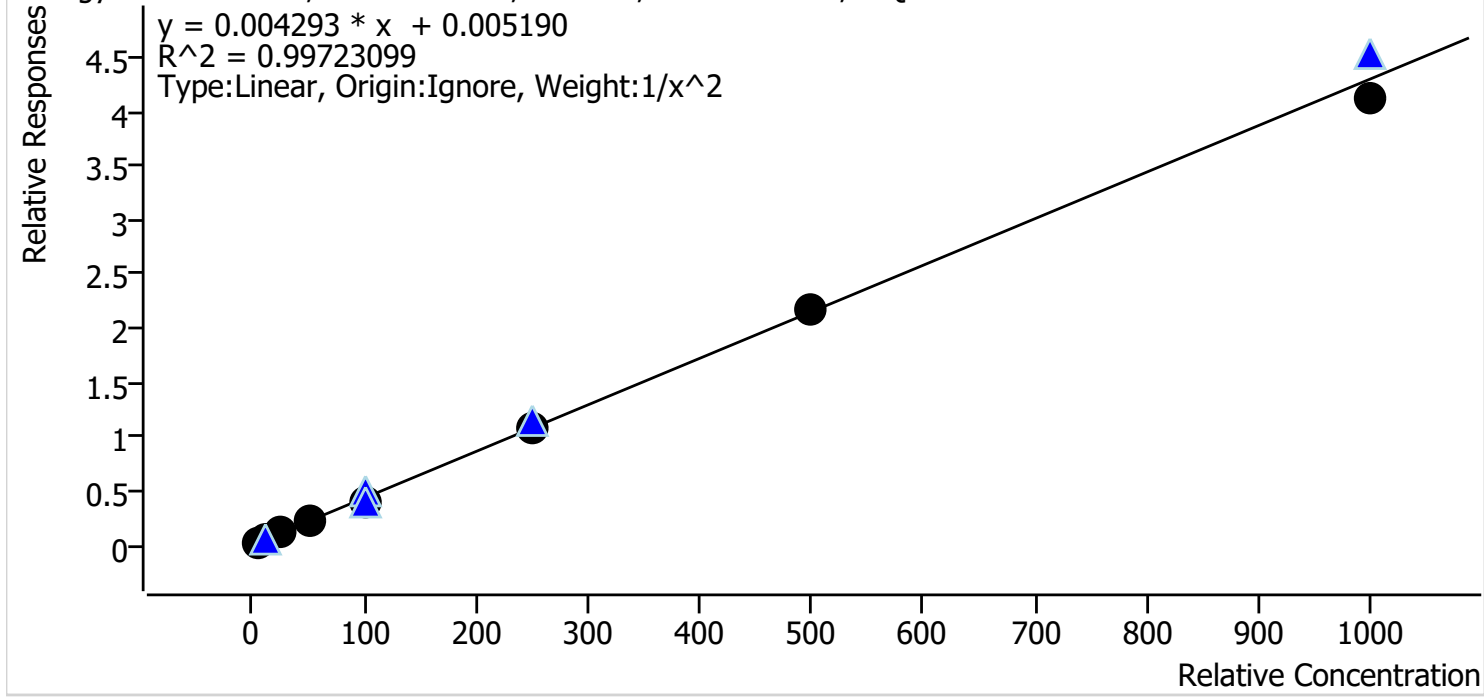
TS



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28\_P1\_TS.batch.bin  
**Last Cal. Update** 11/10/2021 9:34 AM  
**Analyst Name** ISP\tsalazar  
**Analyte** Mitragynine **Internal Standard** Methadone-D9

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



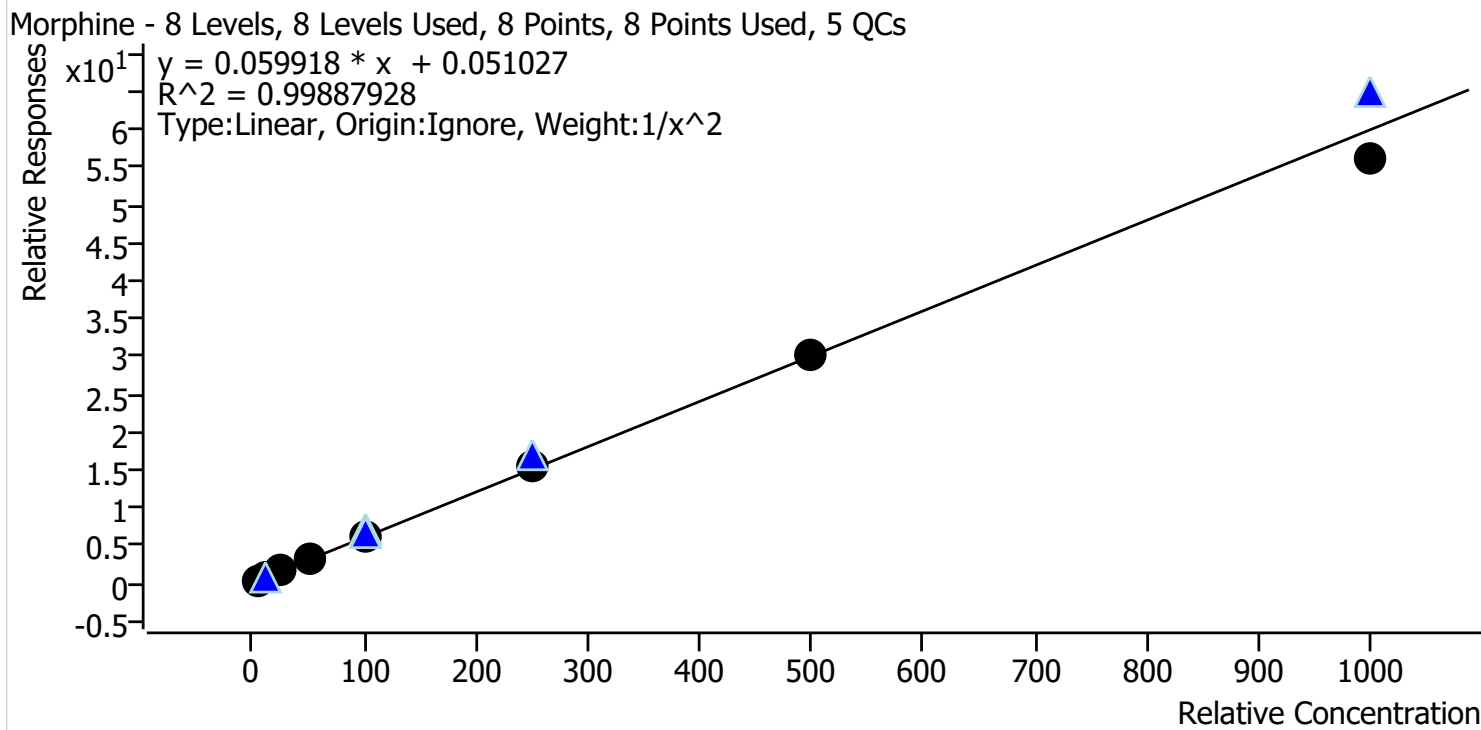
| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 4.8                 | 96.6     |
| p1 Cal 2-10ng   | 2     | ✓       | 10.0                   | 10.5                | 105.0    |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 26.0                | 104.1    |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 52.5                | 105.1    |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 93.2                | 93.2     |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 249.0               | 99.6     |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 504.9               | 101.0    |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 955.8               | 95.6     |

TS



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28\_P1\_TS.batch.bin  
**Last Cal. Update** 11/10/2021 9:34 AM  
**Analyst Name** ISP\tsalazar  
**Analyte** Morphine **Internal Standard** Morphine-D6



| 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                | 100.1    |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 24.6                | 98.4     |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 50.5                | 101.0    |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 104.0               | 104.0    |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 253.4               | 101.4    |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 506.5               | 101.3    |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 939.7               | 94.0     |





TS

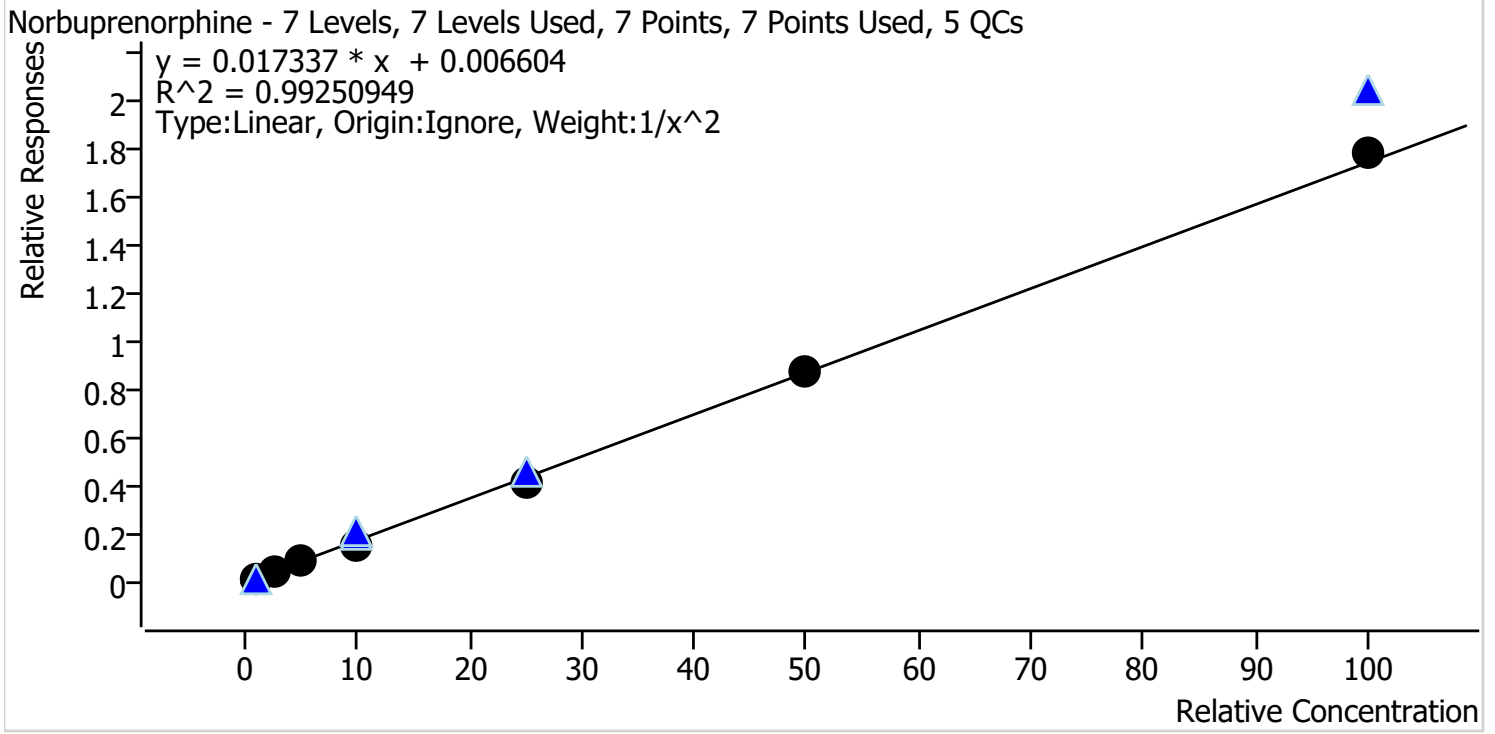
# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28\_P1\_TS.batch.bin

**Last Cal. Update** 11/10/2021 9:34 AM

**Analyst Name** ISP\tsalazar

**Analyte** Norbuprenorphine **Internal Standard** Norbuprenorphine-D3



| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 2-10ng   | 2     | ✓       | 1.0                    | 1.0                 | 97.6     |
| p1 Cal 3 -25ng  | 3     | ✓       | 2.5                    | 2.6                 | 102.6    |
| p1 Cal 4-50ng   | 4     | ✓       | 5.0                    | 5.7                 | 113.1    |
| p1 Cal 5-100ng  | 5     | ✓       | 10.0                   | 9.0                 | 89.7     |
| p1 Cal 6-250ng  | 6     | ✓       | 25.0                   | 23.5                | 93.9     |
| p1 Cal 7-500ng  | 7     | ✓       | 50.0                   | 50.6                | 101.3    |
| p1 Cal 8-1000ng | 8     | ✓       | 100.0                  | 101.9               | 101.9    |

Cal 1 dropped due to poor peak shape.

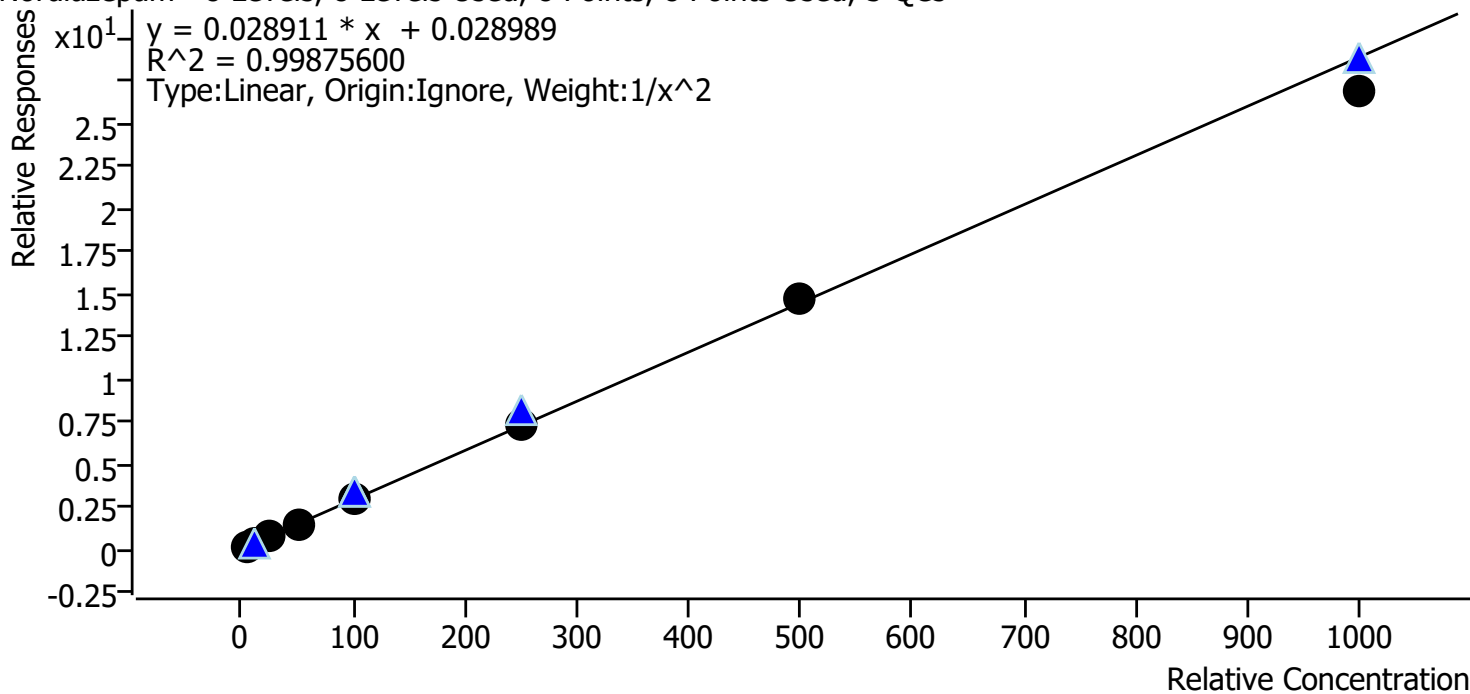
TS



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28\_P1\_TS.batch.bin  
**Last Cal. Update** 11/10/2021 9:34 AM  
**Analyst Name** ISP\tsalazar  
**Analyte** Nordiazepam **Internal Standard** Nordiazepam-D5

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



| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 4.9                 | 98.3     |
| p1 Cal 2-10ng   | 2     | ✓       | 10.0                   | 10.3                | 103.0    |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 25.0                | 100.0    |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 50.1                | 100.3    |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 102.9               | 102.9    |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 252.2               | 100.9    |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 506.2               | 101.2    |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 934.1               | 93.4     |



TS

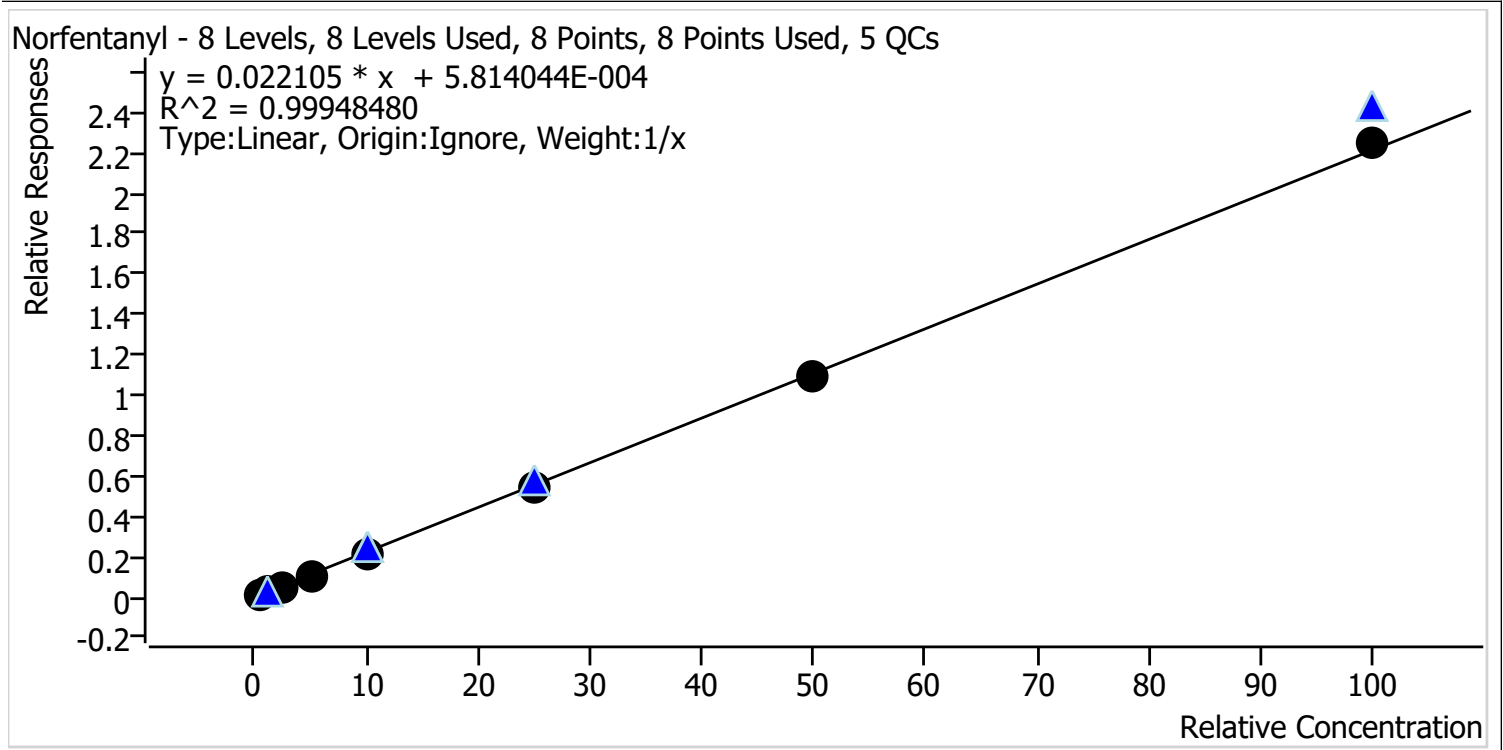
# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28\_P1\_TS.batch.bin

**Last Cal. Update** 11/10/2021 9:34 AM

**Analyst Name** ISP\tsalazar

**Analyte** Norfentanyl **Internal Standard** Norfentanyl-D5



| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 0.5                    | 0.5                 | 106.8    |
| p1 Cal 2-10ng   | 2     | ✓       | 1.0                    | 1.1                 | 105.5    |
| p1 Cal 3 -25ng  | 3     | ✓       | 2.5                    | 2.4                 | 97.0     |
| p1 Cal 4-50ng   | 4     | ✓       | 5.0                    | 4.8                 | 96.7     |
| p1 Cal 5-100ng  | 5     | ✓       | 10.0                   | 9.6                 | 96.3     |
| p1 Cal 6-250ng  | 6     | ✓       | 25.0                   | 24.3                | 97.3     |
| p1 Cal 7-500ng  | 7     | ✓       | 50.0                   | 49.3                | 98.6     |
| p1 Cal 8-1000ng | 8     | ✓       | 100.0                  | 101.9               | 101.9    |



TS

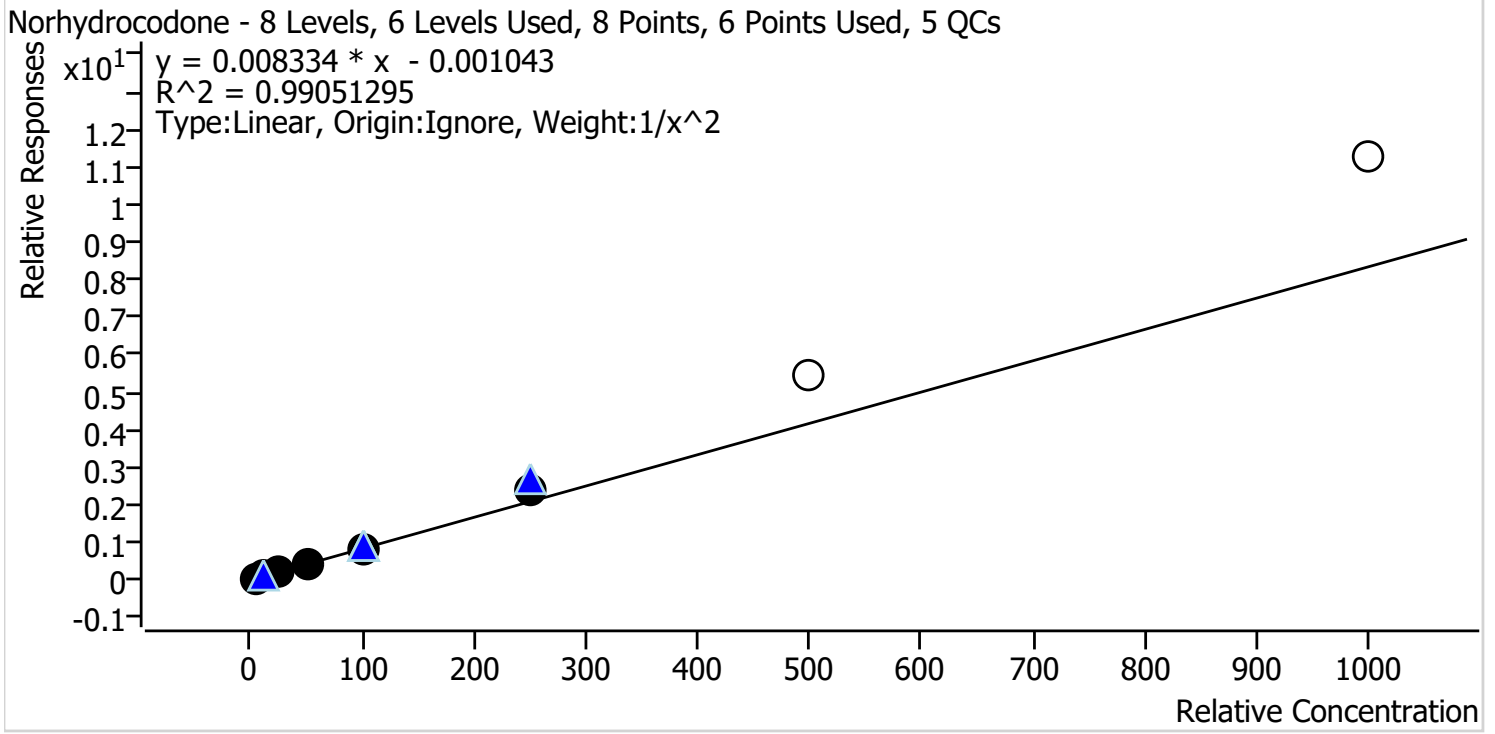
# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28\_P1\_TS.batch.bin

**Last Cal. Update** 11/10/2021 9:34 AM

**Analyst Name** ISP\tsalazar

**Analyte** Norhydrocodone **Internal Standard** Norhydrocodone-D3



| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 5.1                 | 103.0    |
| p1 Cal 2-10ng   | 2     | ✓       | 10.0                   | 9.7                 | 96.9     |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 24.0                | 96.0     |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 46.5                | 93.0     |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 96.4                | 96.4     |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 287.1               | 114.8    |
| p1 Cal 7-500ng  | 7     | ✗       | 500.0                  | 652.9               | 130.6    |
| p1 Cal 8-1000ng | 8     | ✗       | 1000.0                 | 1355.1              | 135.5    |

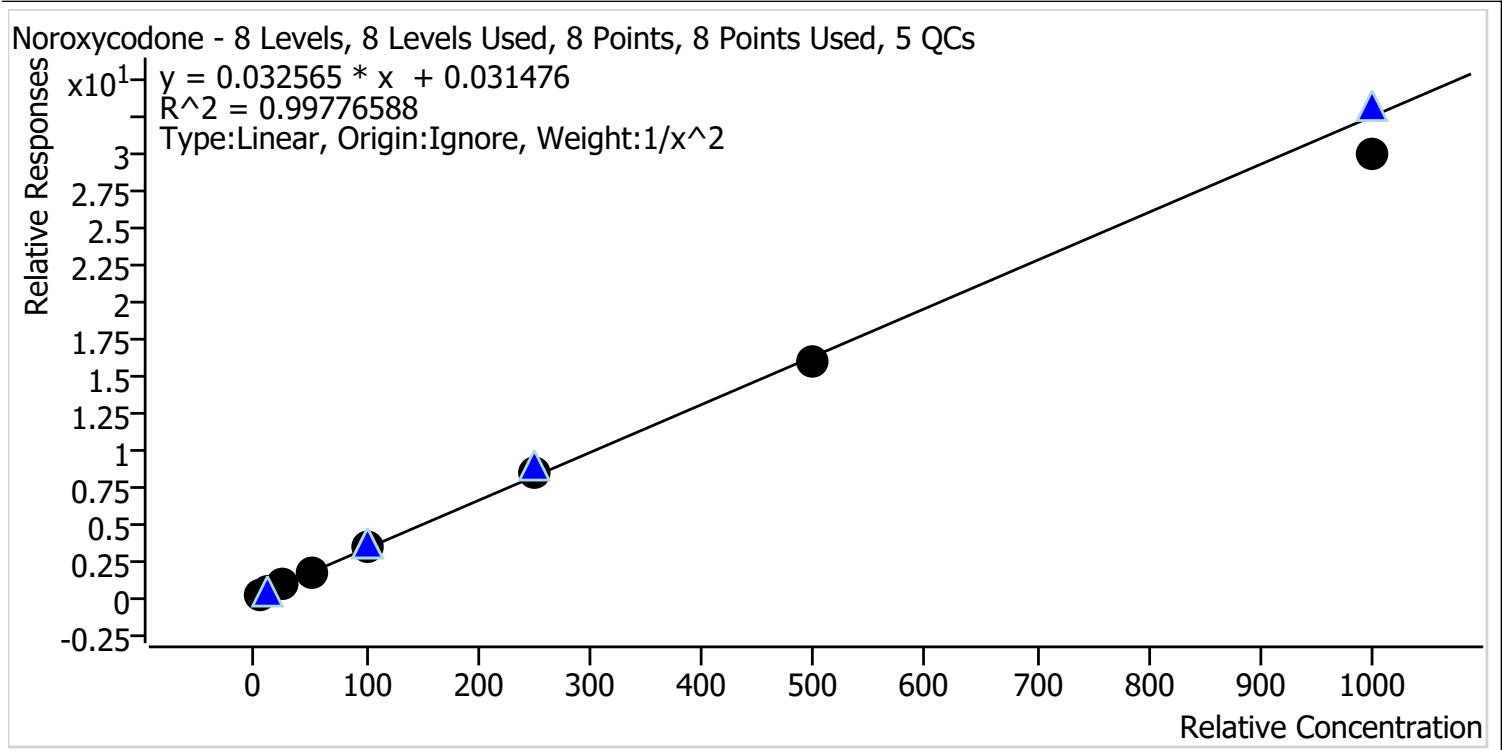
Cal 7 and 8 dropped due to linearity.

TS



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28\_P1\_TS.batch.bin  
**Last Cal. Update** 11/10/2021 9:34 AM  
**Analyst Name** ISP\tsalazar  
**Analyte** Noroxycodone **Internal Standard** Noroxycodone-D3



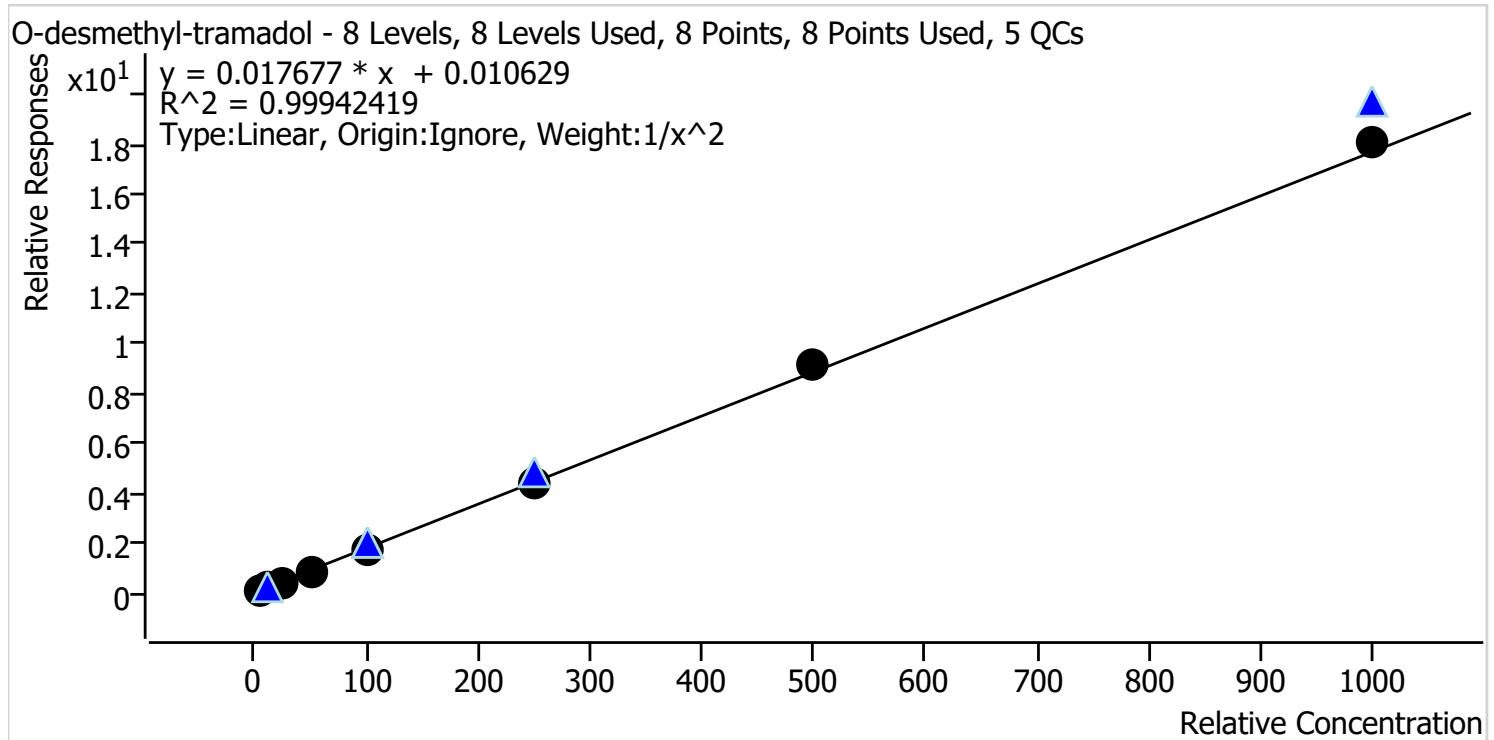
| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 4.9                 | 97.4     |
| p1 Cal 2-10ng   | 2     | ✓       | 10.0                   | 10.4                | 104.2    |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 25.0                | 99.9     |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 52.3                | 104.6    |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 101.5               | 101.5    |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 256.3               | 102.5    |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 488.0               | 97.6     |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 923.5               | 92.4     |

TS



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28\_P1\_TS.batch.bin  
**Last Cal. Update** 11/10/2021 9:34 AM  
**Analyst Name** ISP\tsalazar  
**Analyte** O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6



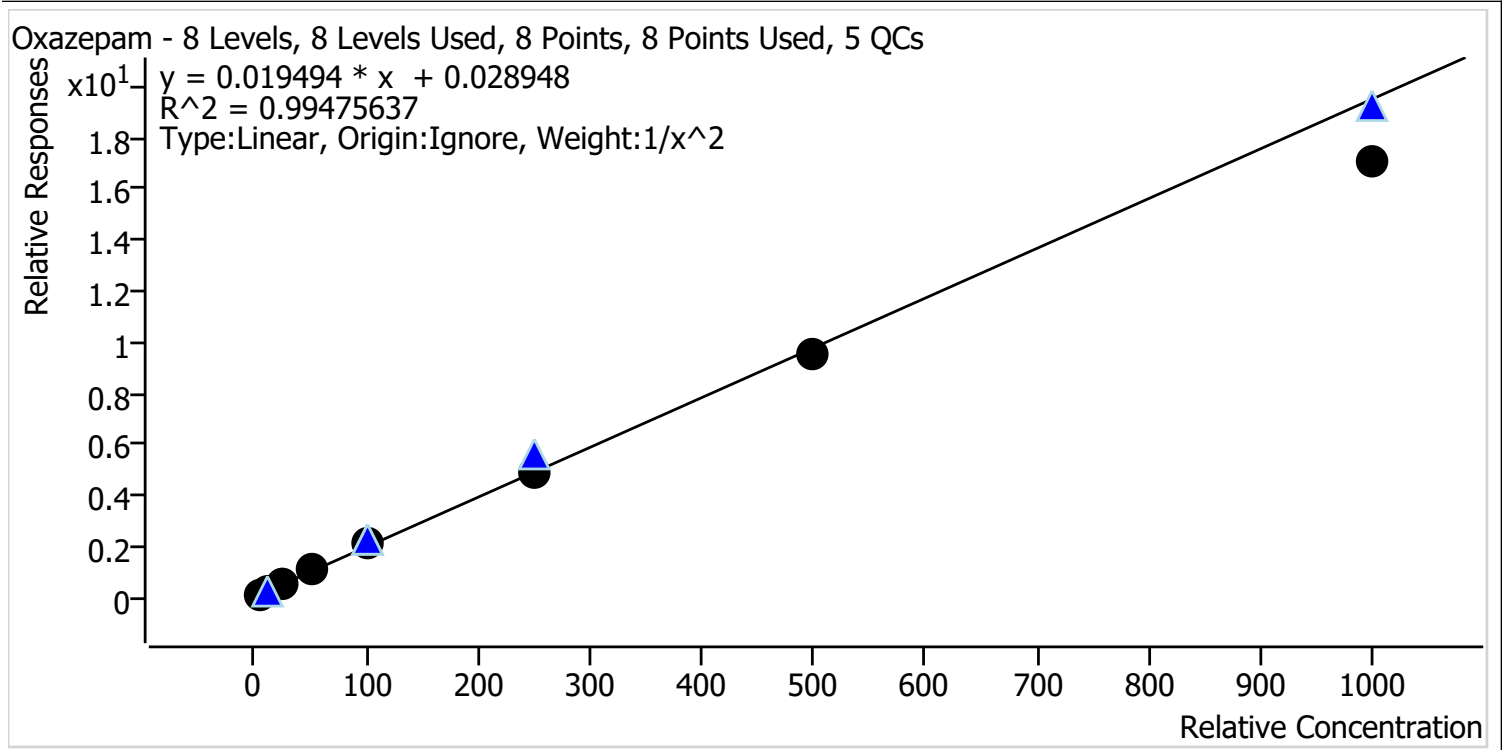
| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 5.0                 | 100.4    |
| p1 Cal 2-10ng   | 2     | ✓       | 10.0                   | 10.1                | 100.7    |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 24.4                | 97.8     |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 48.8                | 97.7     |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 97.9                | 97.9     |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 250.0               | 100.0    |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 515.0               | 103.0    |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 1025.1              | 102.5    |

TS



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28\_P1\_TS.batch.bin  
**Last Cal. Update** 11/10/2021 9:34 AM  
**Analyst Name** ISP\tsalazar  
**Analyte** Oxazepam **Internal Standard** Oxazepam-D5



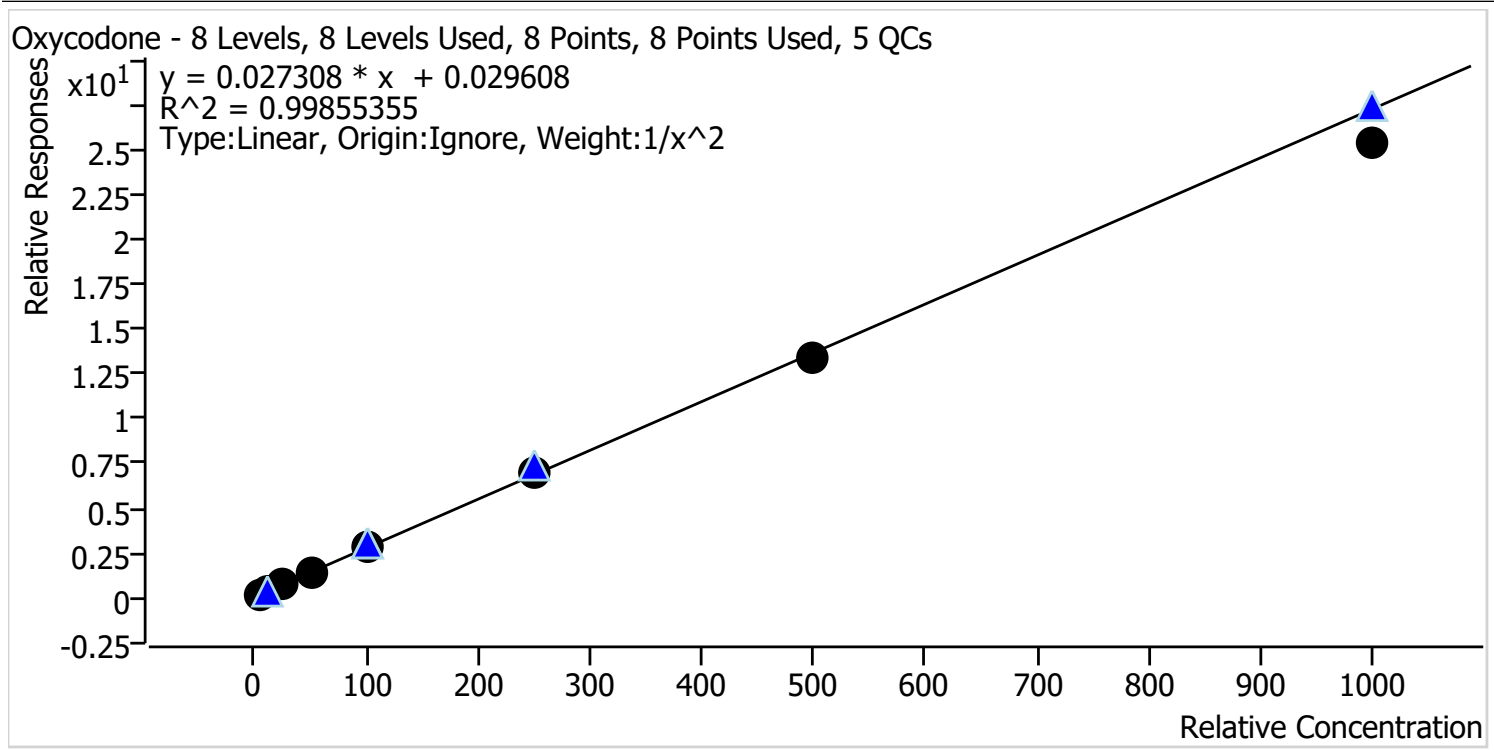
| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 4.9                 | 97.1     |
| p1 Cal 2-10ng   | 2     | ✓       | 10.0                   | 10.3                | 103.0    |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 25.7                | 103.0    |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 52.7                | 105.4    |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 107.7               | 107.7    |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 246.8               | 98.7     |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 487.8               | 97.6     |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 875.3               | 87.5     |

TS



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28\_P1\_TS.batch.bin  
**Last Cal. Update** 11/10/2021 9:34 AM  
**Analyst Name** ISP\tsalazar  
**Analyte** Oxycodone **Internal Standard** Oxycodone-D6



| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 4.9                 | 98.4     |
| p1 Cal 2-10ng   | 2     | ✓       | 10.0                   | 10.2                | 101.7    |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 25.5                | 102.2    |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 51.1                | 102.1    |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 102.5               | 102.5    |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 253.9               | 101.6    |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 493.4               | 98.7     |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 928.4               | 92.8     |



TS



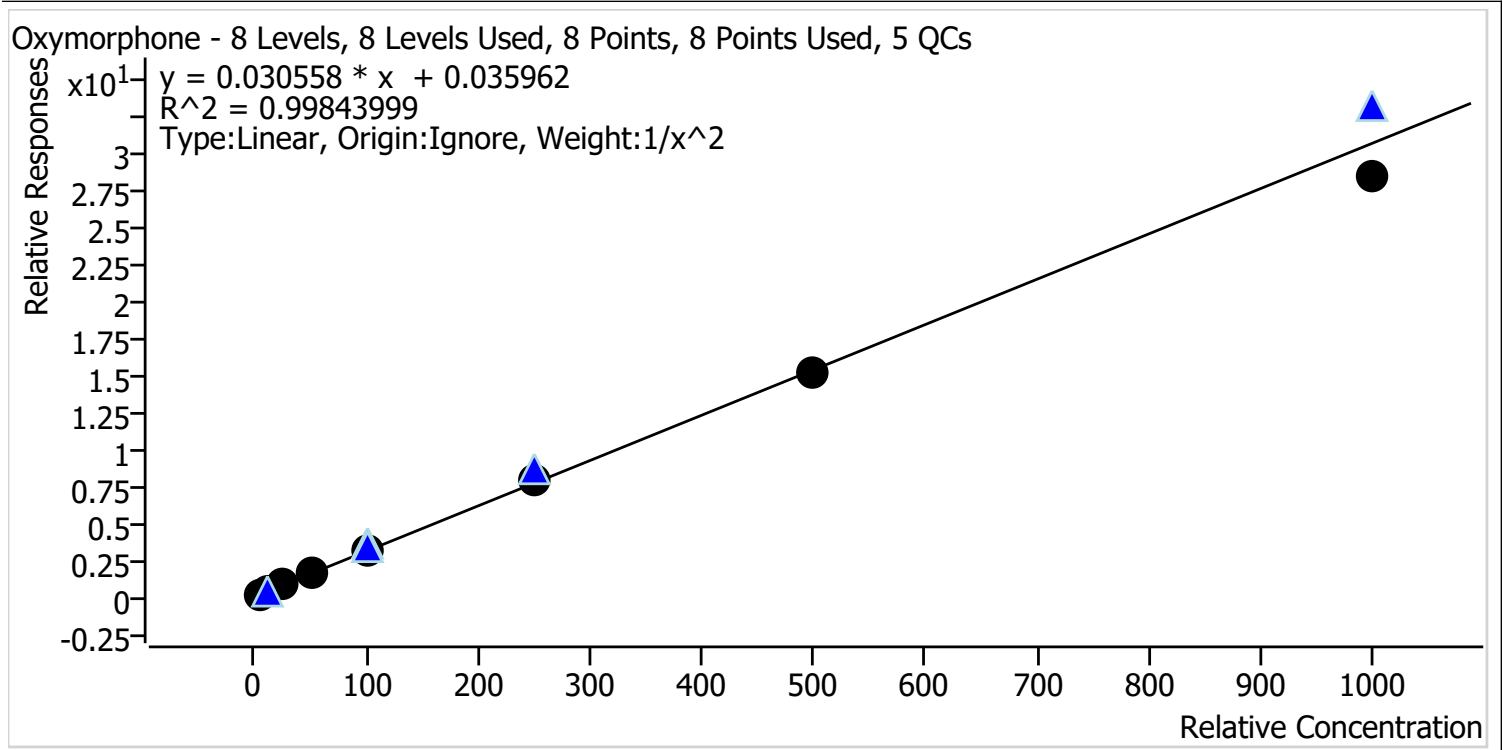
# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28\_P1\_TS.batch.bin

**Last Cal. Update** 11/10/2021 9:34 AM

**Analyst Name** ISP\tsalazar

**Analyte** Oxymorphone **Internal Standard** Oxymorphone-D3



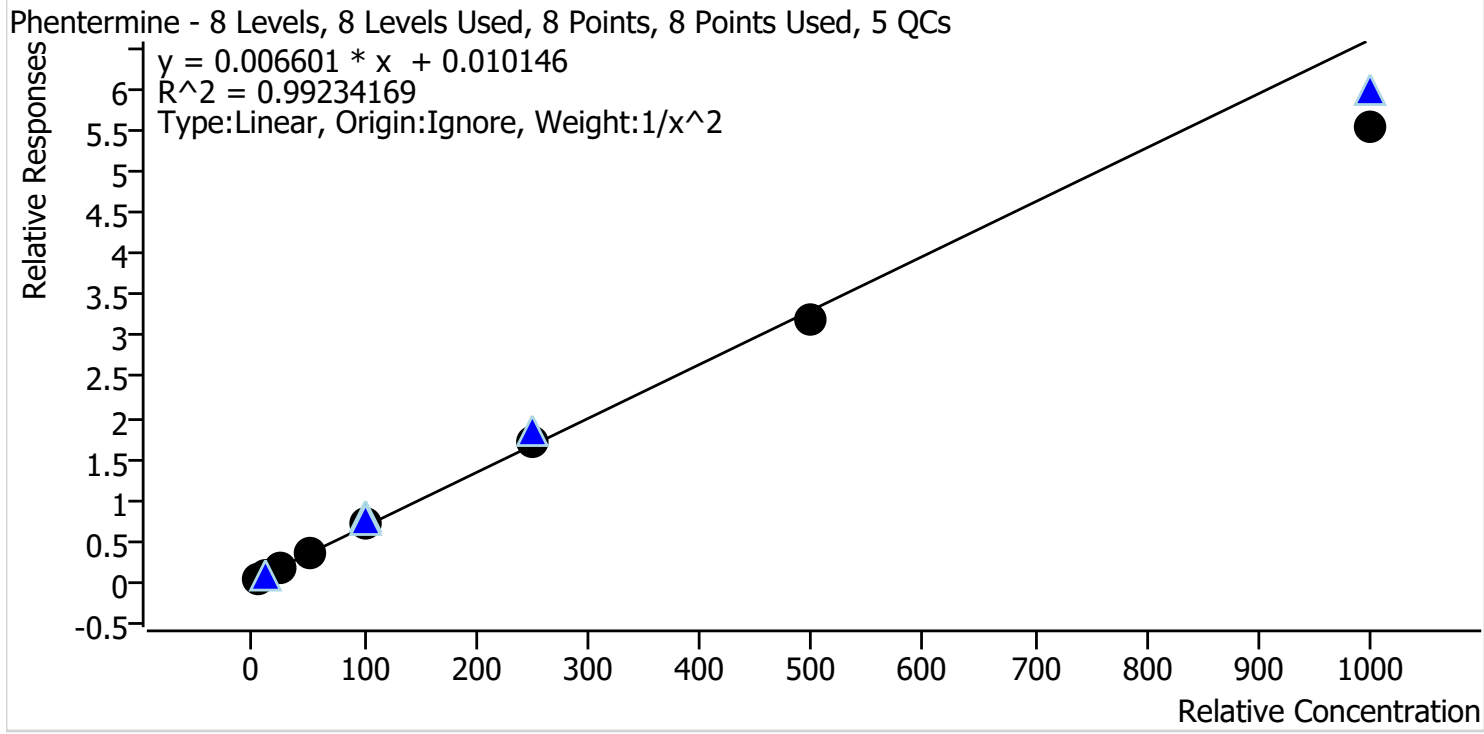
| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 4.9                 | 98.2     |
| p1 Cal 2-10ng   | 2     | ✓       | 10.0                   | 10.3                | 102.7    |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 25.1                | 100.4    |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 51.6                | 103.3    |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 101.9               | 101.9    |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 253.9               | 101.6    |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 497.5               | 99.5     |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 925.8               | 92.6     |

TS



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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28\_P1\_TS.batch.bin  
**Last Cal. Update** 11/10/2021 9:34 AM  
**Analyst Name** ISP\tsalazar  
**Analyte** Phentermine **Internal Standard** Phentermine-D5



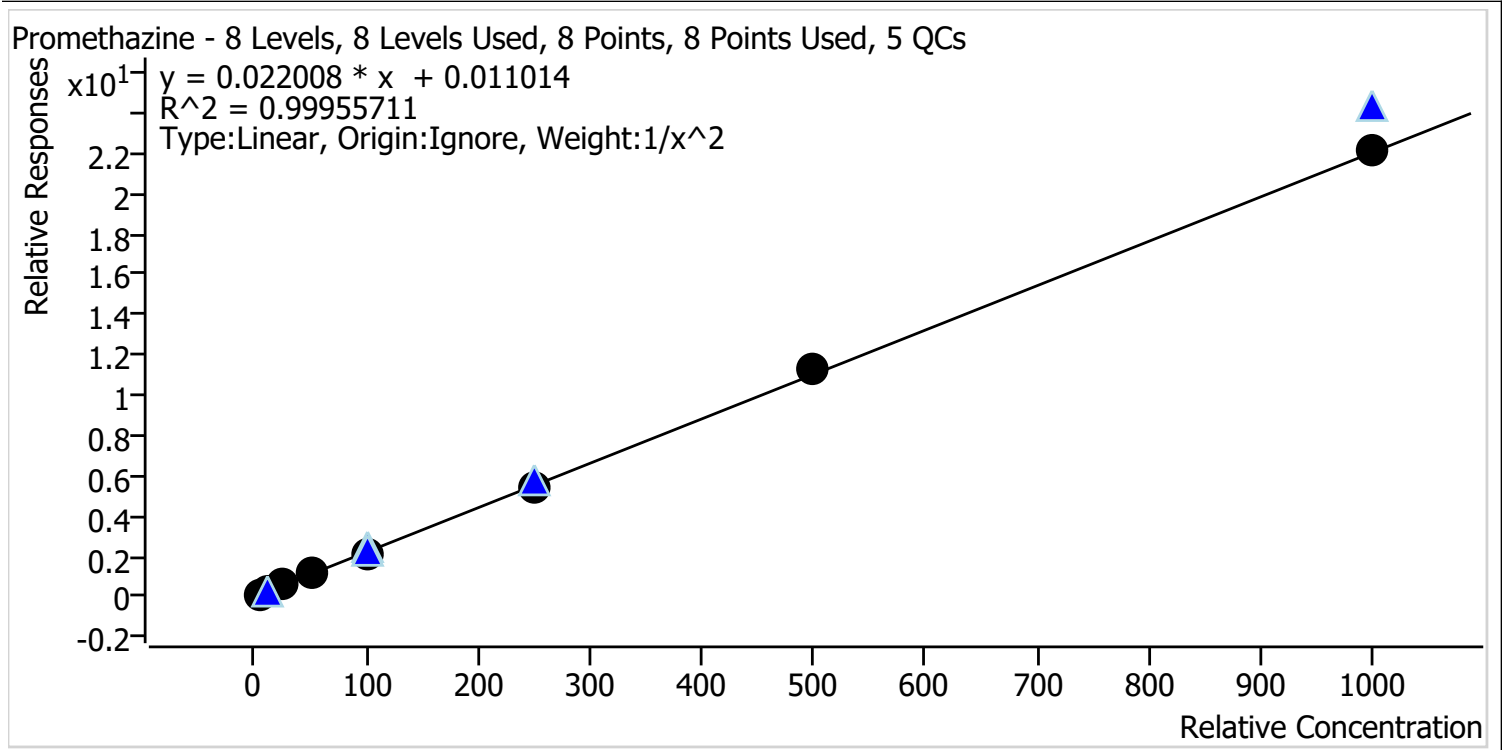
| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 4.8                 | 96.4     |
| p1 Cal 2-10ng   | 2     | ✓       | 10.0                   | 10.3                | 103.4    |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 26.3                | 105.1    |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 53.6                | 107.3    |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 105.1               | 105.1    |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 256.0               | 102.4    |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 482.2               | 96.4     |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 839.2               | 83.9     |

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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28\_P1\_TS.batch.bin  
**Last Cal. Update** 11/10/2021 9:34 AM  
**Analyst Name** ISP\tsalazar  
**Analyte** Promethazine **Internal Standard** Promethazine-D3



| 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                   | 10.0                | 100.0    |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 24.9                | 99.6     |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 50.9                | 101.8    |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 96.8                | 96.8     |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 246.7               | 98.7     |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 514.0               | 102.8    |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 1003.2              | 100.3    |

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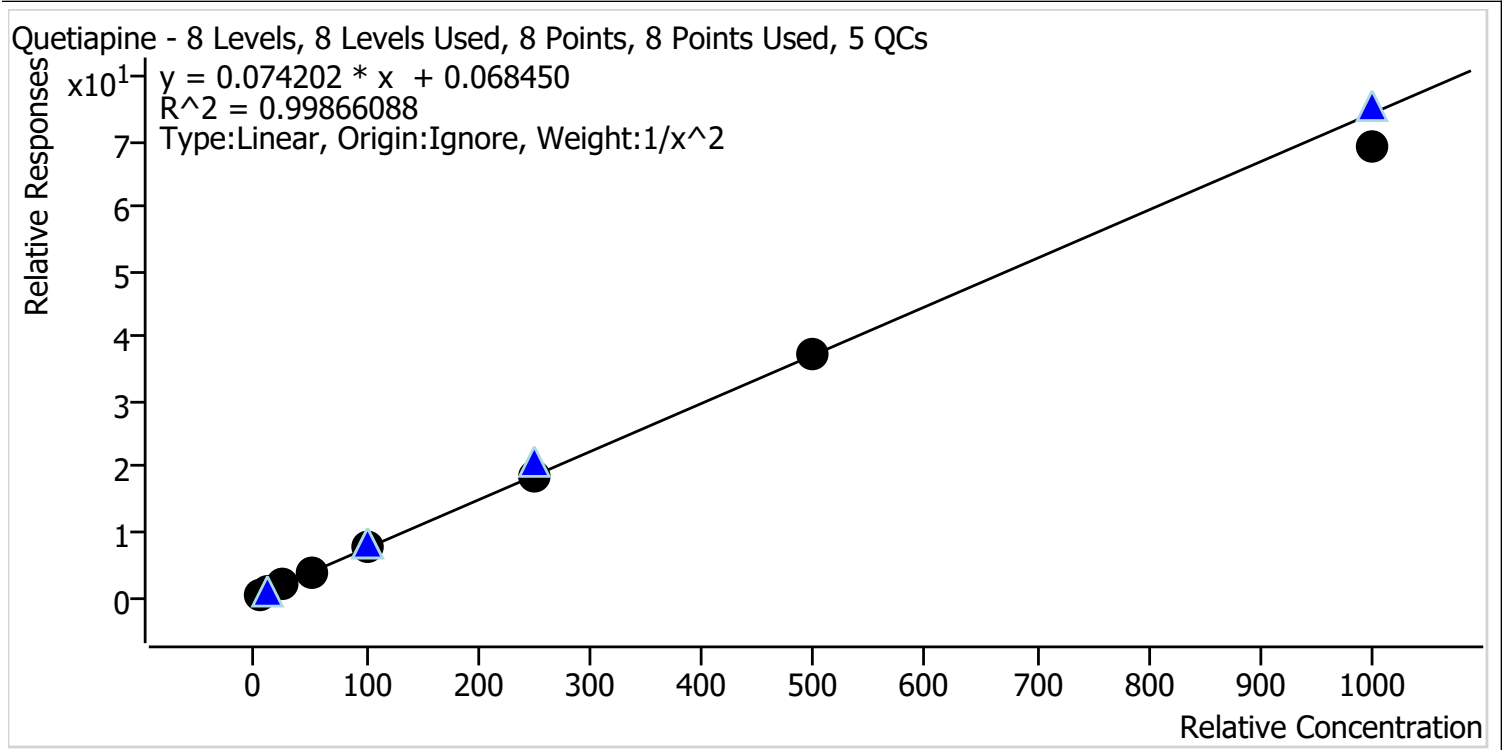
# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28\_P1\_TS.batch.bin

**Last Cal. Update** 11/10/2021 9:34 AM

**Analyst Name** ISP\tsalazar

**Analyte** Quetiapine **Internal Standard** Quetiapine-D8



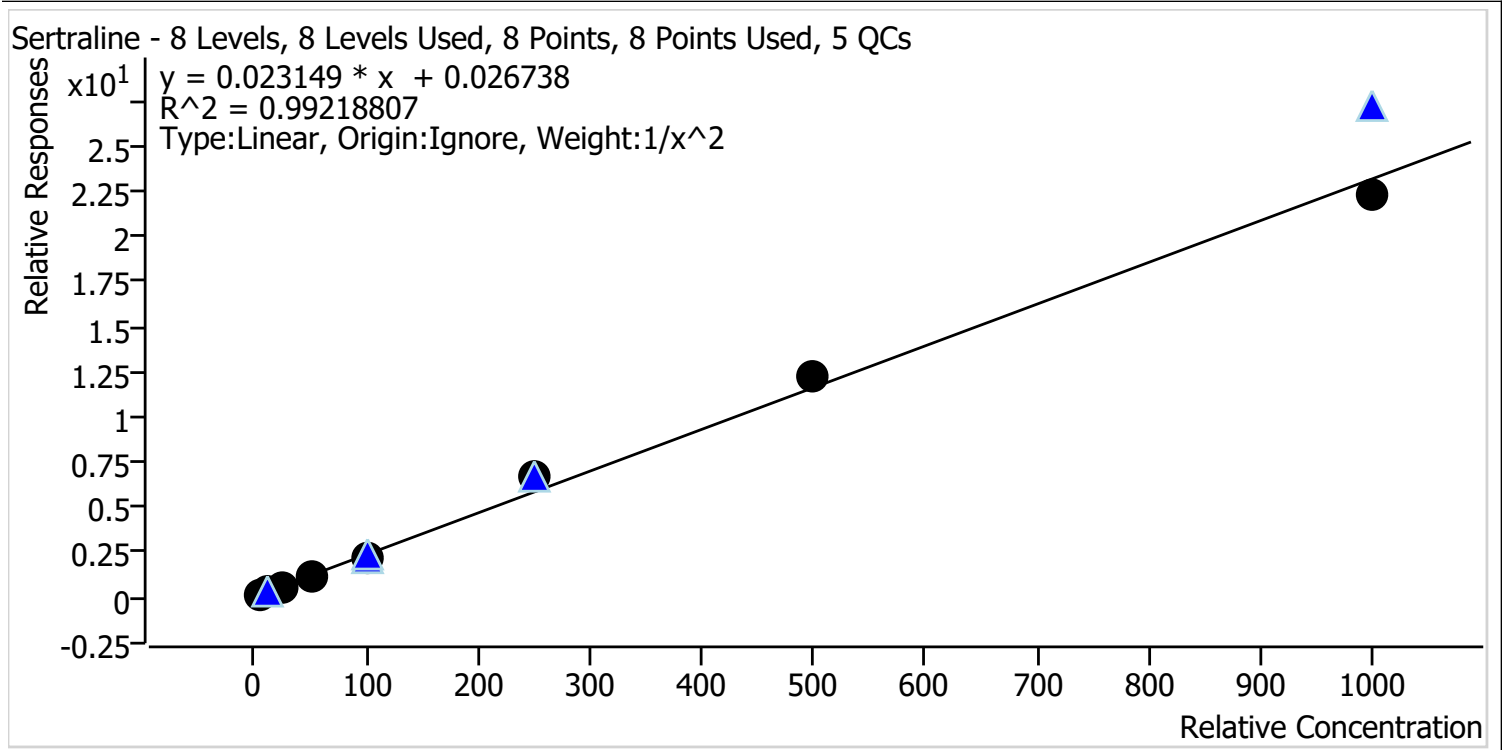
| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 5.0                 | 99.2     |
| p1 Cal 2-10ng   | 2     | ✓       | 10.0                   | 10.0                | 100.0    |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 25.5                | 101.9    |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 52.2                | 104.4    |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 99.9                | 99.9     |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 252.9               | 101.1    |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 500.9               | 100.2    |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 932.5               | 93.3     |

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

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28\_P1\_TS.batch.bin  
**Last Cal. Update** 11/10/2021 9:34 AM  
**Analyst Name** ISP\tsalazar  
**Analyte** Sertraline **Internal Standard** Sertraline-D3



| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 5.0                 | 101.0    |
| p1 Cal 2-10ng   | 2     | ✓       | 10.0                   | 10.3                | 102.8    |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 22.2                | 88.8     |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 49.9                | 99.9     |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 92.4                | 92.4     |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 283.3               | 113.3    |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 527.9               | 105.6    |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 963.9               | 96.4     |

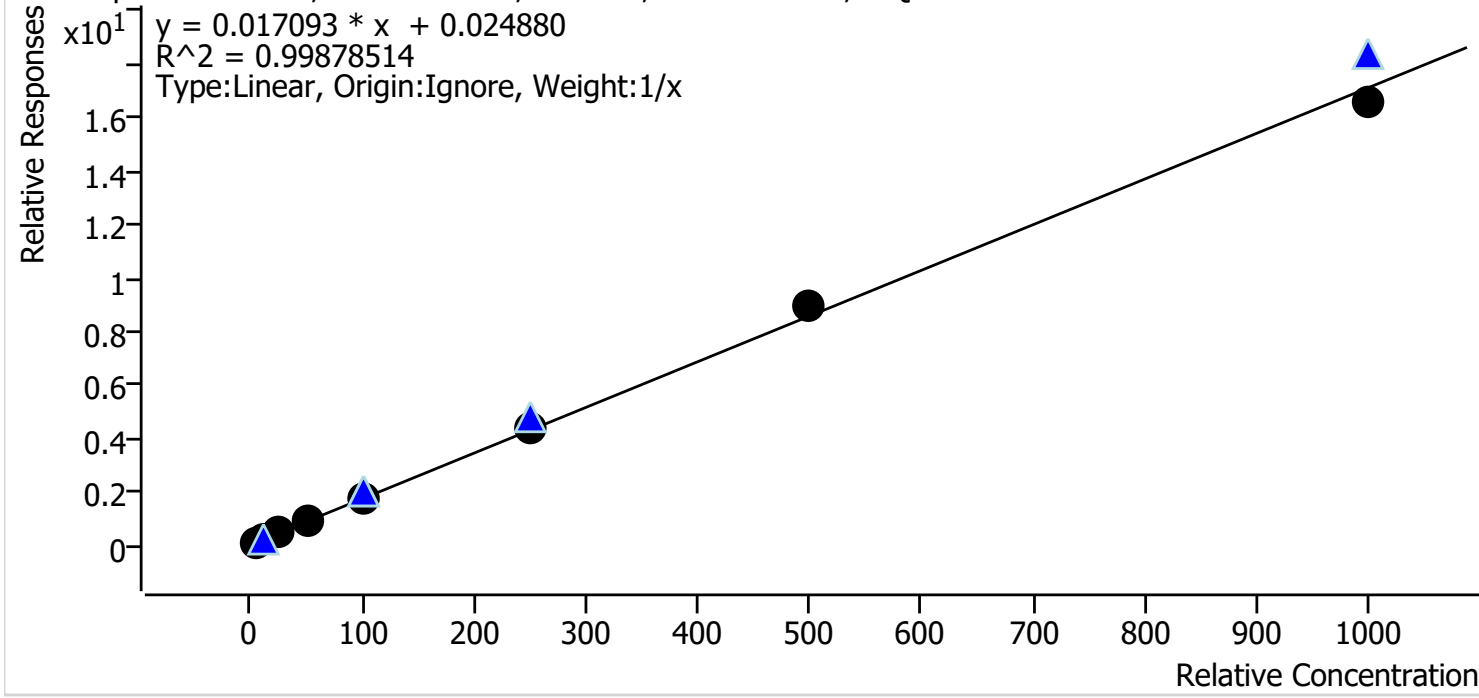
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28\_P1\_TS.batch.bin  
**Last Cal. Update** 11/10/2021 9:34 AM  
**Analyst Name** ISP\tsalazar  
**Analyte** Temazepam **Internal Standard** Temazepam-D5

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



| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 4.6                 | 92.4     |
| p1 Cal 2-10ng   | 2     | ✓       | 10.0                   | 9.7                 | 96.8     |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 25.4                | 101.5    |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 50.8                | 101.7    |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 103.9               | 103.9    |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 257.4               | 103.0    |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 519.4               | 103.9    |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 968.8               | 96.9     |



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

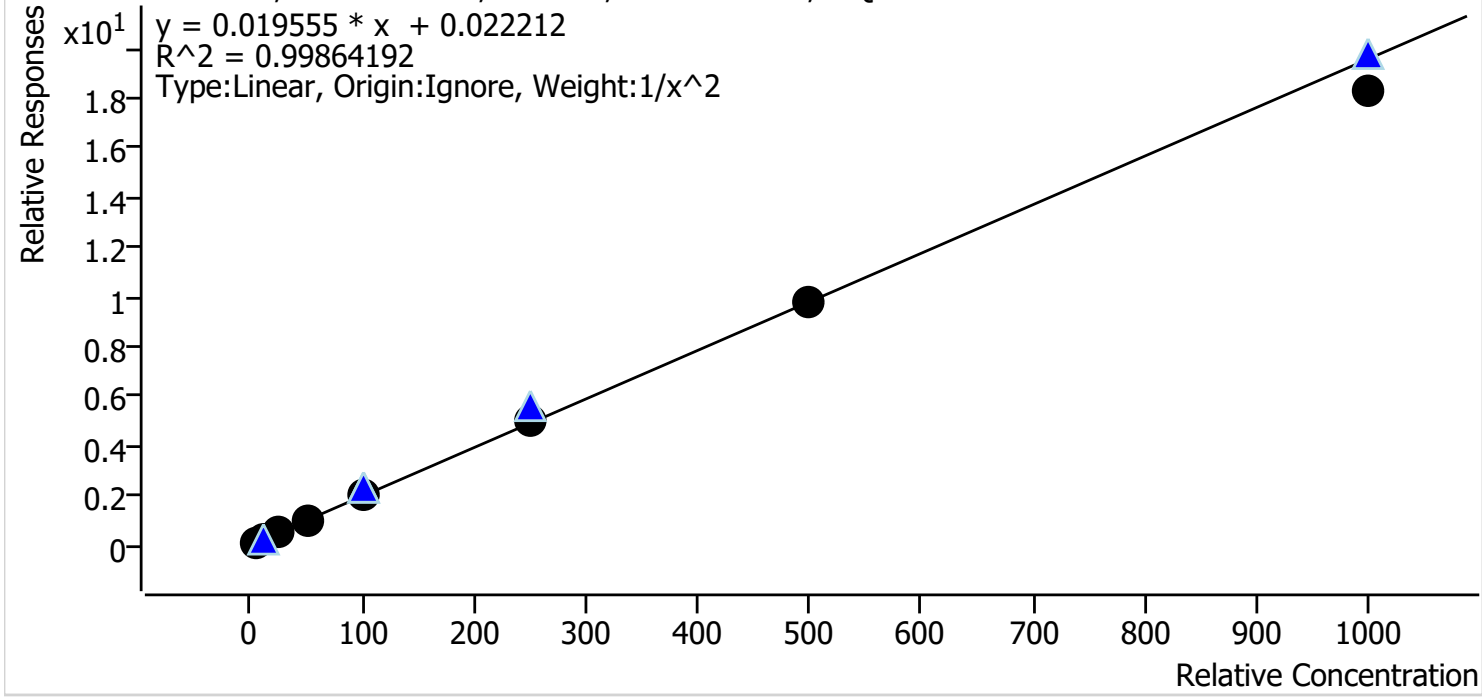
**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28\_P1\_TS.batch.bin

**Last Cal. Update** 11/10/2021 9:34 AM

**Analyst Name** ISP\tsalazar

**Analyte** Tramadol **Internal Standard** Tramadol-13C-D3

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



| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 4.9                 | 98.6     |
| p1 Cal 2-10ng   | 2     | ✓       | 10.0                   | 10.2                | 102.2    |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 25.1                | 100.6    |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 50.0                | 100.1    |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 103.3               | 103.3    |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 256.4               | 102.6    |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 497.4               | 99.5     |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 931.8               | 93.2     |

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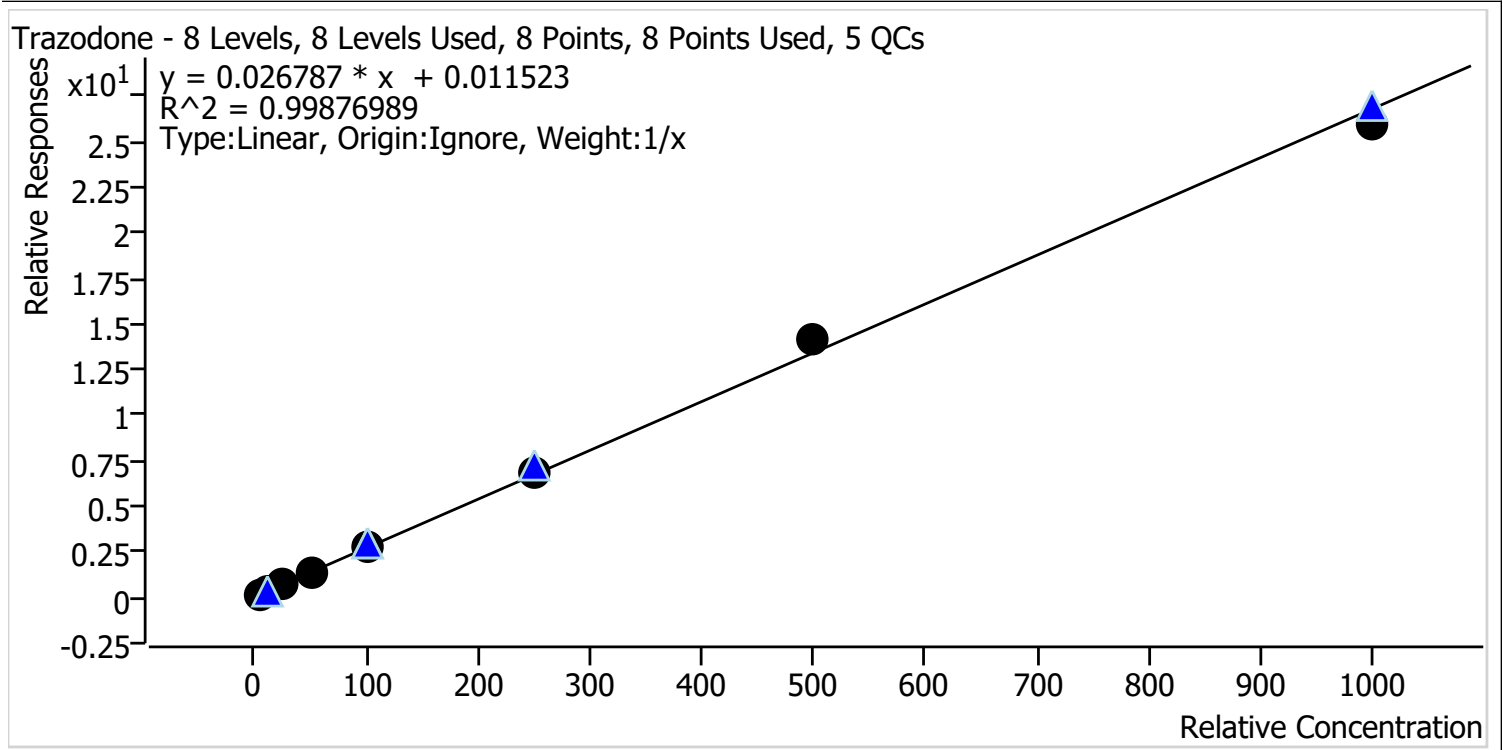
# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28\_P1\_TS.batch.bin

**Last Cal. Update** 11/10/2021 9:34 AM

**Analyst Name** ISP\tsalazar

**Analyte** Trazodone **Internal Standard** Trazodone-D6



| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 5.0                 | 99.5     |
| p1 Cal 2-10ng   | 2     | ✓       | 10.0                   | 10.1                | 100.7    |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 24.4                | 97.6     |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 49.3                | 98.6     |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 99.4                | 99.4     |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 254.7               | 101.9    |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 525.2               | 105.0    |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 971.9               | 97.2     |



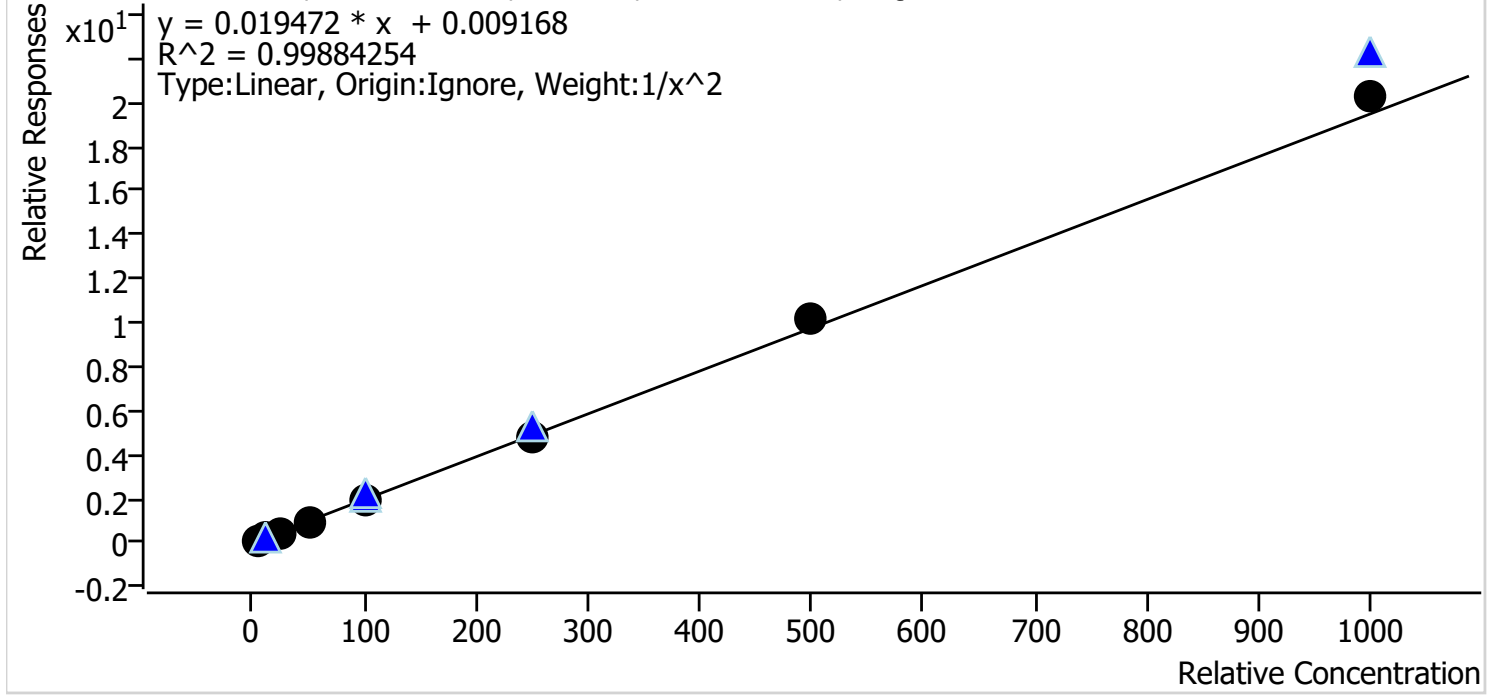
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28\_P1\_TS.batch.bin  
**Last Cal. Update** 11/10/2021 9:34 AM  
**Analyst Name** ISP\tsalazar  
**Analyte** Venlafaxine **Internal Standard** Venlafaxine-D6

Venlafaxine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 5 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                   | 9.8                 | 97.9     |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 24.2                | 96.9     |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 49.5                | 99.0     |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 97.1                | 97.1     |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 247.7               | 99.1     |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 521.5               | 104.3    |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 1038.4              | 103.8    |

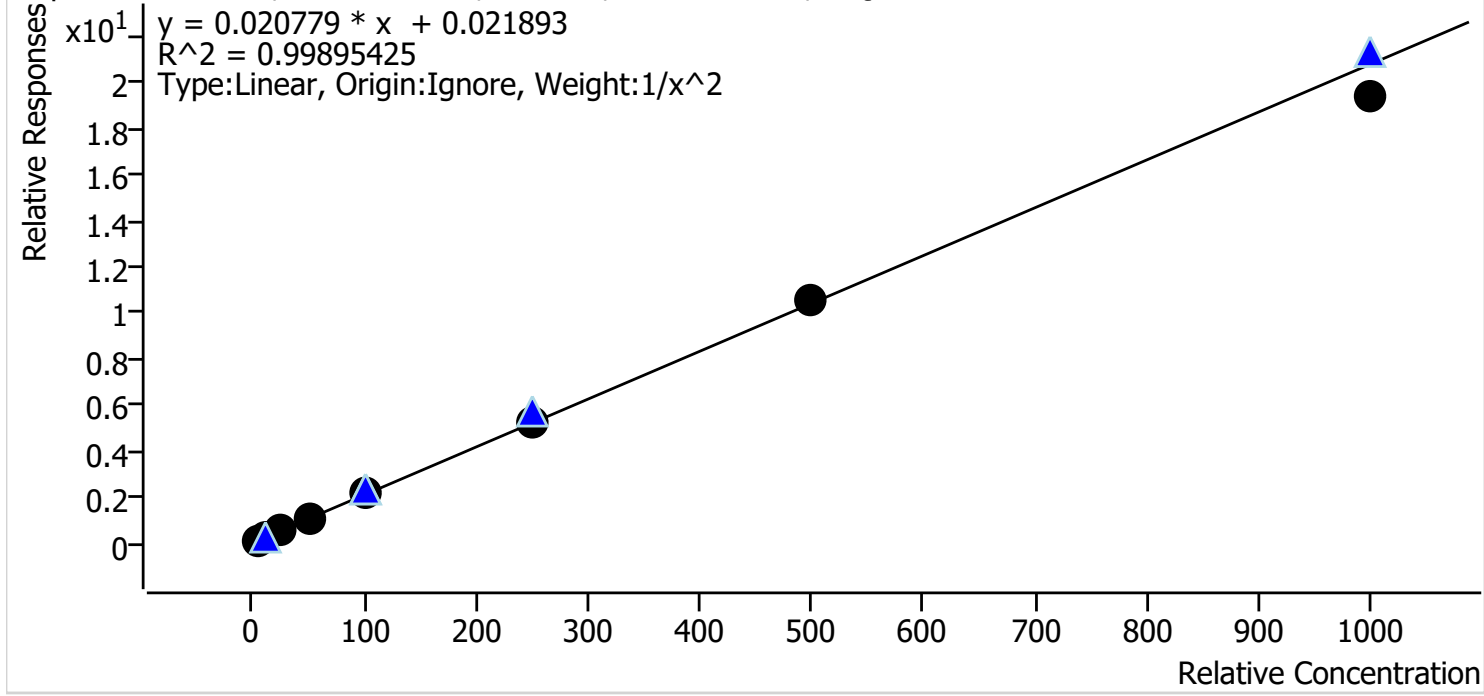
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# AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28\_P1\_TS.batch.bin  
**Last Cal. Update** 11/10/2021 9:34 AM  
**Analyst Name** ISP\tsalazar  
**Analyte** Zolpidem **Internal Standard** Zolpidem-D6

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



| Sample          | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng    | 1     | ✓       | 5.0                    | 5.0                 | 99.7     |
| p1 Cal 2-10ng   | 2     | ✓       | 10.0                   | 10.0                | 100.0    |
| p1 Cal 3 -25ng  | 3     | ✓       | 25.0                   | 25.1                | 100.3    |
| p1 Cal 4-50ng   | 4     | ✓       | 50.0                   | 50.4                | 100.9    |
| p1 Cal 5-100ng  | 5     | ✓       | 100.0                  | 102.3               | 102.3    |
| p1 Cal 6-250ng  | 6     | ✓       | 250.0                  | 254.6               | 101.8    |
| p1 Cal 7-500ng  | 7     | ✓       | 500.0                  | 508.1               | 101.6    |
| p1 Cal 8-1000ng | 8     | ✓       | 1000.0                 | 934.3               | 93.4     |

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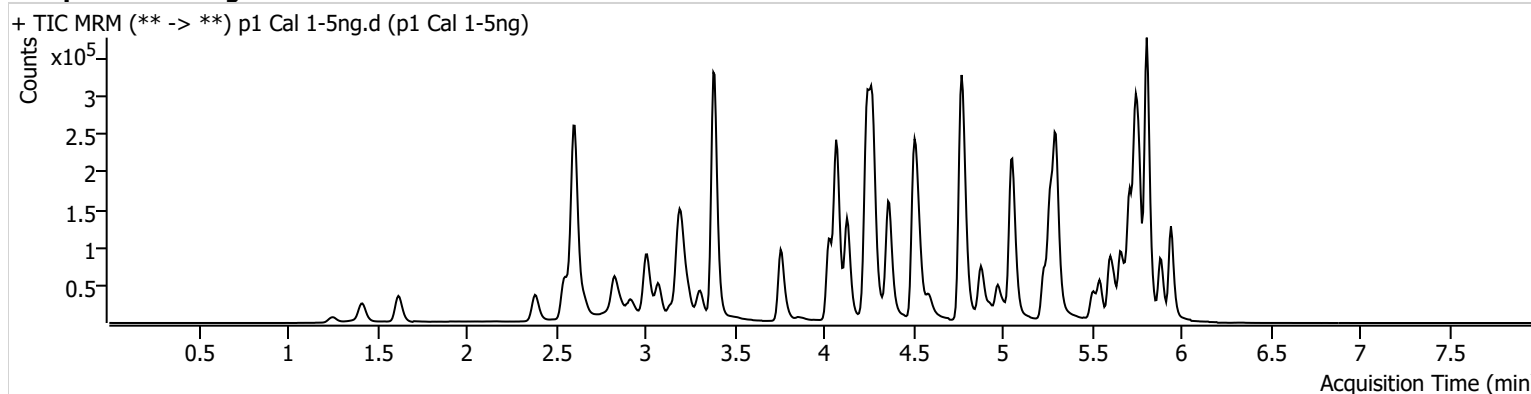


# AM #28 Multi-Drug Quant. Results

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28\_P1\_TS.batch.bin  
**Calibration Last Update** 11/10/2021 9:34:31 AM

|                         |                      |                  |                |
|-------------------------|----------------------|------------------|----------------|
| <b>Instrument</b>       | Falco (069901)       | <b>Data File</b> | p1 Cal 1-5ng.d |
| <b>Type</b>             | Cal                  | <b>Sample</b>    | p1 Cal 1-5ng   |
| <b>Acq. Method</b>      | AM 28 MDQ P1.m       | <b>Operator</b>  | Tamara Salazar |
| <b>Sample Position</b>  | P6-H12               | <b>Comment</b>   |                |
| <b>Injection Volume</b> | 2                    |                  |                |
| <b>Acq. Date-Time</b>   | 11/8/2021 4:55:28 PM |                  |                |

**Sample Chromatogram**



| Name                | RT    | Resp. | S/N       | Ratio            | S/N             | ISTD Resp. | Final Conc.  |
|---------------------|-------|-------|-----------|------------------|-----------------|------------|--------------|
| 6-MAM               | 3.158 | 758   | 1072.98   | 76.7             | 3016.85         | 36538      | 0.5020 ng/ml |
| 7-aminoclonazepam   | 4.244 | 11403 | 47.87     | 77.0             | ∞               | 128142     | 4.8229 ng/ml |
| a-hydroxyalprazolam | 5.692 | 8944  | 117.64    | 73.8             | 358.59          | 230296     | 4.8845 ng/ml |
| alpha-PHP           | 4.937 | 10212 | 182.05    | 261.4            | 2493.79         | 327997     | 5.0706 ng/ml |
| alpha-PVP           | 4.376 | 41635 | 1028.79   | 48.3             | 300.68          | 327997     | 5.0253 ng/ml |
| Alprazolam          | 5.768 | 31279 | 173.44    | 116.0            | 492.55          | 230296     | 5.2476 ng/ml |
| Amphetamine         | 3.083 | 54551 | 701.90    | 45.3             | 242.94          | 93184      | 4.8201 ng/ml |
| Buprenorphine       | 5.643 | 368   | 56.48     | 28.2 <b>High</b> | 126.52          | 22442      | 0.5080 ng/ml |
| Bupropion           | 4.788 | 31165 | 332.45    | 65.6             | 2290.43         | 172589     | 4.5290 ng/ml |
| Carisoprodol        | 5.724 | 32852 | 53404.86  | 49.3             | 235.81          | 240795     | 5.1969 ng/ml |
| Citalopram          | 5.232 | 17975 | 365.43    | 38.2             | 1729.68         | 140861     | 5.0575 ng/ml |
| Clonazepam          | 5.605 | 41288 | 151.20    | 34.8             | 23153.76        | 94711      | 4.9056 ng/ml |
| Clonazolam          | 5.548 | 25697 | 25962.02  | 32.3             | 11424.61        | 94711      | 4.9513 ng/ml |
| Cocaine             | 4.271 | 37913 | 157103.52 | 53.7             | 155.10          | 460948     | 5.0720 ng/ml |
| Codeine             | 2.600 | 4028  | 267.39    | 113.2            | 249.25          | 40563      | 4.7286 ng/ml |
| Cyclobenzaprine     | 5.628 | 3710  | 9760.64   | 8.8              | 14.30           | 34807      | 6.3012 ng/ml |
| Dextromethorphan    | 5.282 | 7517  | 2061.40   | 82.9             | 123.14          | 68205      | 4.9969 ng/ml |
| Dextrophan          | 4.132 | 10216 | 2816.33   | 220.3            | 399.16          | 264555     | 5.0607 ng/ml |
| Diazepam            | 5.953 | 23222 | 385.47    | 88.2             | 342.29          | 202308     | 4.9597 ng/ml |
| Dihydrocodeine      | 2.579 | 11549 | 3159.59   | 54.3             | 7697.66         | 125164     | 4.8570 ng/ml |
| Diphenhydramine     | 5.303 | 40077 | 10021.33  | 32.8             | 108.23          | 428920     | 4.8462 ng/ml |
| Doxylamine          | 4.529 | 82356 | 2074.63   | 103.0            | 260485.92       | 620016     | 5.0989 ng/ml |
| EDDP                | 5.275 | 27220 | 413.40    | 45.9             | 16744.58        | 287350     | 5.0224 ng/ml |
| Etizolam            | 5.813 | 14837 | 28021.84  | 29.1             | 400.82          | 94711      | 5.0164 ng/ml |
| Fentanyl            | 5.082 | 591   | 49.80     | 70.5             | 1113.72         | 62265      | 0.6359 ng/ml |
| Flualprazolam       | 5.698 | 11540 | 1521.48   | 89.8             | 3214.22         | 230296     | 5.0223 ng/ml |
| Fluoxetine          | 5.721 | 2626  | 3750.68   | 6.4              | 8.69 <b>Low</b> | 17806      | 4.8974 ng/ml |
| Hydrocodone         | 3.039 | 16548 | 57.02     | 29.8             | 57.32           | 167668     | 4.9092 ng/ml |
| Hydromorphone       | 1.628 | 14480 | 8191.51   | 73.0             | 28649.13        | 85867      | 5.0291 ng/ml |
| Ketamine            | 4.044 | 34199 | 727.21    | 39.2             | 54.90           | 242346     | 4.8966 ng/ml |
| Lamotrigine         | 4.280 | 2805  | 17.12     | 85.6             | 168.34          | 242346     | 4.8600 ng/ml |
| Levetiracetam       | 2.663 | 16993 | 452.29    | 144.7            | 338.18          | 651019     | 4.5342 ng/ml |
| Lorazepam           | 5.747 | 39474 | 1207.69   | 46.2             | 52.29           | 94711      | 4.8016 ng/ml |

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# AM #28 Multi-Drug Quant. Results

| Name                 | RT    | Resp. | S/N      | Ratio | S/N             | ISTD Resp. | Final Conc.  |
|----------------------|-------|-------|----------|-------|-----------------|------------|--------------|
| MDA                  | 3.223 | 41278 | 437.10   | 28.9  | 48.04           | 200895     | 4.7939 ng/ml |
| MDMA                 | 3.316 | 25068 | 43741.98 | 88.6  | 540.39          | 53507      | 5.0244 ng/ml |
| Meprobamate          | 4.904 | 16571 | 2224.72  | 25.0  | 190.59          | 159284     | 4.8061 ng/ml |
| Methadone            | 5.666 | 18576 | 17286.62 | 54.4  | 128.31          | 145584     | 5.0581 ng/ml |
| Methamphetamine      | 3.251 | 36112 | 275.74   | 41.6  | 96.17           | 243821     | 4.6565 ng/ml |
| Metoprolol           | 4.340 | 7864  | 242.88   | 85.6  | 210.14          | 561152     | 4.8442 ng/ml |
| Mirtazapine          | 4.590 | 36929 | 606.08   | 47.0  | 2369.28         | 327997     | 4.9157 ng/ml |
| Mitragynine          | 5.210 | 3773  | 11449.56 | 32.0  | 138.87          | 145584     | 4.8276 ng/ml |
| Morphine             | 1.261 | 2347  | 254.04   | 20.1  | 7.33 <b>Low</b> | 6695       | 4.9993 ng/ml |
| Nordiazepam          | 5.893 | 21609 | 498.77   | 61.1  | 1052.55         | 126270     | 4.9168 ng/ml |
| Norfentanyl          | 4.099 | 6835  | 157.38   | 34.0  | 8.44 <b>Low</b> | 551986     | 0.5339 ng/ml |
| Norhydrocodone       | 3.093 | 1545  | 64.46    | 36.0  | 164.28          | 36906      | 5.1478 ng/ml |
| Noroxycodone         | 2.936 | 13277 | 168.30   | 49.9  | 867.55          | 69857      | 4.8696 ng/ml |
| O-desmethyl-tramadol | 3.389 | 74242 | 700.10   | 6.7   | 117.22          | 747256     | 5.0192 ng/ml |
| Oxazepam             | 5.749 | 44548 | 232.04   | 74.6  | 67.31           | 360530     | 4.8536 ng/ml |
| Oxycodone            | 2.861 | 29792 | 204.61   | 30.1  | 304.39          | 181681     | 4.9205 ng/ml |
| Oxymorphone          | 1.418 | 12555 | 186.46   | 46.9  | 136.11          | 67513      | 4.9090 ng/ml |
| Phentermine          | 3.797 | 10355 | 76.26    | 6.9   | 12.89           | 246858     | 4.8176 ng/ml |
| Promethazine         | 5.545 | 7384  | 164.73   | 31.8  | 95.19           | 60961      | 5.0032 ng/ml |
| Pseudoephedrine      | 2.616 | 72265 | 364.41   | 16.3  | 693.89          | 651019     | 5.9380 ng/ml |
| Quetiapine           | 5.514 | 25219 | 14989.98 | 54.6  | 28966.39        | 57783      | 4.9594 ng/ml |
| Sertraline           | 5.789 | 920   | 21.89    | 106.0 | 25.25           | 6410       | 5.0481 ng/ml |
| Temazepam            | 5.816 | 67352 | 1470.64  | 29.5  | 27.32           | 648703     | 4.6185 ng/ml |
| Tramadol             | 4.259 | 66555 | 245.83   | 3.4   | 51.30           | 561152     | 4.9293 ng/ml |
| Trazodone            | 5.013 | 16657 | 262.14   | 79.2  | 349.54          | 115040     | 4.9753 ng/ml |
| Venlafaxine          | 5.050 | 48166 | 465.33   | 37.5  | 154.19          | 444560     | 5.0935 ng/ml |
| Zolpidem             | 4.792 | 76144 | 175.54   | 30.6  | 554.09          | 606650     | 4.9869 ng/ml |

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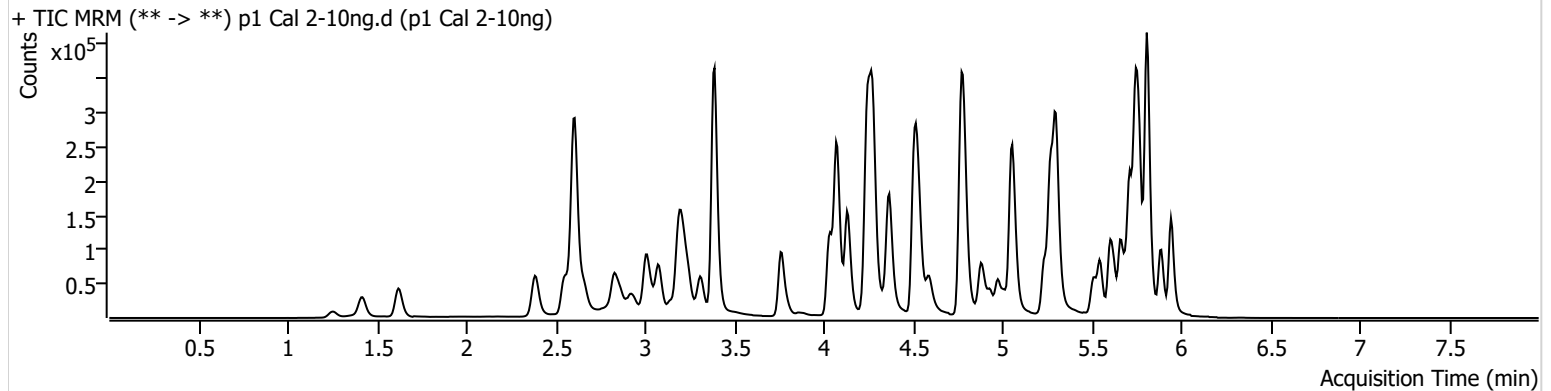


# AM #28 Multi-Drug Quant. Results

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28\_P1\_TS.batch.bin  
**Calibration Last Update** 11/10/2021 9:34:31 AM

|                         |                      |                  |                 |
|-------------------------|----------------------|------------------|-----------------|
| <b>Instrument</b>       | Falco (069901)       | <b>Data File</b> | p1 Cal 2-10ng.d |
| <b>Type</b>             | Cal                  | <b>Sample</b>    | p1 Cal 2-10ng   |
| <b>Acq. Method</b>      | AM 28 MDQ P1.m       | <b>Operator</b>  | Tamara Salazar  |
| <b>Sample Position</b>  | P6-G12               | <b>Comment</b>   |                 |
| <b>Injection Volume</b> | 2                    |                  |                 |
| <b>Acq. Date-Time</b>   | 11/8/2021 5:06:14 PM |                  |                 |

**Sample Chromatogram**



| Name                | RT    | Resp.  | S/N       | Ratio            | S/N      | ISTD Resp. | Final Conc.   |
|---------------------|-------|--------|-----------|------------------|----------|------------|---------------|
| 6-MAM               | 3.151 | 1431   | 1378.80   | 73.1             | 102.07   | 36383      | 0.9979 ng/ml  |
| 7-aminoclonazepam   | 4.251 | 22042  | 23741.00  | 79.2             | 24815.73 | 133088     | 10.3434 ng/ml |
| a-hydroxyalprazolam | 5.692 | 16116  | 284.60    | 81.1             | 156.23   | 229889     | 10.0791 ng/ml |
| alpha-PHP           | 4.937 | 18893  | 880.93    | 271.0            | 15601.03 | 321441     | 10.0682 ng/ml |
| alpha-PVP           | 4.376 | 77811  | 68828.97  | 49.4             | 283.05   | 321441     | 10.0486 ng/ml |
| Alprazolam          | 5.768 | 57441  | 432.91    | 122.0            | 563.73   | 229889     | 9.5439 ng/ml  |
| Amphetamine         | 3.083 | 102046 | 2937.66   | 44.0             | 301.33   | 93173      | 10.4418 ng/ml |
| Benzoylecgonine     | 3.886 | 2188   | 82.51     | 9.4              | 169.91   | 5778       | 11.5842 ng/ml |
| Buprenorphine       | 5.636 | 784    | 1051.37   | 22.2 <b>High</b> | 892.06   | 23006      | 1.1984 ng/ml  |
| Bupropion           | 4.788 | 56901  | 2142.69   | 65.3             | 655.74   | 173942     | 9.7513 ng/ml  |
| Carisoprodol        | 5.724 | 63071  | 990605.89 | 47.2             | 754.23   | 240847     | 10.3173 ng/ml |
| Citalopram          | 5.239 | 35680  | 201.09    | 34.8             | 2259.87  | 149623     | 9.9493 ng/ml  |
| Clonazepam          | 5.612 | 79951  | 4356.11   | 35.1             | 639.45   | 96334      | 10.3051 ng/ml |
| Clonazepam          | 5.548 | 47827  | 36693.69  | 31.8             | 46157.08 | 96334      | 10.0066 ng/ml |
| Cocaine             | 4.277 | 64637  | 305.18    | 53.8             | 707.99   | 465595     | 9.6324 ng/ml  |
| Codeine             | 2.600 | 8135   | 23495.60  | 111.3            | ∞        | 40376      | 10.7196 ng/ml |
| Cyclobenzaprine     | 5.628 | 9079   | 27872.65  | 9.2              | 200.59   | 47153      | 10.5779 ng/ml |
| Dextromethorphan    | 5.282 | 15071  | 88.70     | 88.2             | 13002.81 | 73680      | 9.9632 ng/ml  |
| Dextrophan          | 4.139 | 20324  | 217.07    | 219.9            | 1766.36  | 274657     | 9.9466 ng/ml  |
| Diazepam            | 5.953 | 44030  | 450.74    | 86.8             | 629.08   | 203777     | 10.1572 ng/ml |
| Dihydrocodeine      | 2.579 | 22173  | 206.85    | 57.0             | 45954.01 | 124756     | 10.4070 ng/ml |
| Diphenhydramine     | 5.303 | 90979  | 31964.99  | 28.4             | 2325.07  | 447704     | 10.5850 ng/ml |
| Doxylamine          | 4.529 | 157969 | 279.29    | 102.4            | 987.39   | 647496     | 9.8370 ng/ml  |
| EDDP                | 5.275 | 63106  | 909.32    | 42.4             | 189.07   | 346995     | 10.0806 ng/ml |
| Etizolam            | 5.813 | 29573  | 55348.57  | 28.4             | 17657.27 | 96334      | 10.1818 ng/ml |
| Fentanyl            | 5.082 | 1019   | 68.20     | 84.5             | 11.43    | 71244      | 0.9516 ng/ml  |
| Flualprazolam       | 5.698 | 21115  | 1093.95   | 95.5             | 1150.74  | 229889     | 9.8654 ng/ml  |
| Fluoxetine          | 5.721 | 8540   | 958.76    | 7.5              | 185.09   | 27457      | 10.6261 ng/ml |
| Hydrocodone         | 3.039 | 31091  | 179.86    | 28.8             | 42.72    | 170453     | 10.1621 ng/ml |
| Hydromorphone       | 1.628 | 27566  | 3652.99   | 73.9             | 26259.35 | 87733      | 9.9242 ng/ml  |
| Ketamine            | 4.044 | 64365  | 413.47    | 39.1             | 317.73   | 245347     | 10.2483 ng/ml |
| Lamotrigine         | 4.287 | 5619   | 302.14    | 80.2             | 499.43   | 245347     | 10.3275 ng/ml |
| Levetiracetam       | 2.663 | 32120  | 764.30    | 142.9            | 236.19   | 655359     | 9.8269 ng/ml  |

TS



# AM #28 Multi-Drug Quant. Results

| Name                 | RT    | Resp.  | S/N       | Ratio | S/N      | ISTD Resp. | Final Conc.   |
|----------------------|-------|--------|-----------|-------|----------|------------|---------------|
| Lorazepam            | 5.747 | 74426  | 2258.21   | 45.8  | 84.31    | 96334      | 10.6505 ng/ml |
| MDA                  | 3.223 | 76980  | 882.23    | 30.6  | 81.38    | 204460     | 10.3599 ng/ml |
| MDMA                 | 3.316 | 47742  | 3863.19   | 89.9  | 1282.73  | 55169      | 10.0052 ng/ml |
| Meprobamate          | 4.904 | 30669  | 74948.57  | 25.7  | 865.49   | 164368     | 10.3255 ng/ml |
| Methadone            | 5.666 | 36424  | 657.60    | 56.8  | 110.37   | 154791     | 9.9071 ng/ml  |
| Methamphetamine      | 3.251 | 66246  | 273.70    | 41.1  | 504.07   | 245715     | 11.1901 ng/ml |
| Metoprolol           | 4.340 | 15515  | 408.49    | 82.8  | 754.44   | 584957     | 10.3359 ng/ml |
| Mirtazapine          | 4.590 | 73010  | 668.90    | 45.5  | 1501.39  | 321441     | 10.4419 ng/ml |
| Mitragynine          | 5.216 | 7779   | 219.62    | 35.1  | 157.34   | 154791     | 10.4968 ng/ml |
| Morphine             | 1.261 | 4288   | 1803.52   | 20.8  | 378.97   | 6591       | 10.0064 ng/ml |
| Norbuprenorphine     | 5.013 | 83     | 205.46    | 116.3 | 271.08   | 3515       | 0.9757 ng/ml  |
| Nordiazepam          | 5.893 | 41434  | 623.35    | 57.3  | 452.94   | 126814     | 10.2987 ng/ml |
| Norfentanyl          | 4.099 | 13633  | 91.64     | 33.0  | 22.00    | 570576     | 1.0546 ng/ml  |
| Norhydrocodone       | 3.093 | 3001   | 40.68     | 37.0  | 190.73   | 37659      | 9.6870 ng/ml  |
| Noroxycodone         | 2.936 | 26723  | 931.15    | 45.9  | 12.81    | 72057      | 10.4217 ng/ml |
| O-desmethyl-tramadol | 3.389 | 142372 | 6934.73   | 6.7   | 159.45   | 754778     | 10.0696 ng/ml |
| Oxazepam             | 5.749 | 82607  | 2414.44   | 75.0  | 46.66    | 359448     | 10.3041 ng/ml |
| Oxycodone            | 2.861 | 56639  | 712.24    | 29.7  | 458.02   | 184360     | 10.1658 ng/ml |
| Oxymorphone          | 1.418 | 23969  | 234.04    | 46.3  | 192.53   | 68549      | 10.2658 ng/ml |
| Phentermine          | 3.797 | 19405  | 111.80    | 6.8   | 15.32    | 247424     | 10.3445 ng/ml |
| Promethazine         | 5.545 | 18201  | 102.77    | 30.3  | 42.99    | 78758      | 10.0003 ng/ml |
| Pseudoephedrine      | 2.616 | 136362 | 183.94    | 16.4  | 1596.76  | 655359     | 10.4959 ng/ml |
| Quetiapine           | 5.514 | 50408  | 764.99    | 52.3  | 82430.24 | 62185      | 10.0020 ng/ml |
| Sertraline           | 5.789 | 3062   | 196.97    | 97.1  | 141.19   | 11571      | 10.2756 ng/ml |
| Temazepam            | 5.816 | 123123 | 1058.83   | 29.4  | 108.40   | 646714     | 9.6823 ng/ml  |
| Tramadol             | 4.259 | 129933 | 536.97    | 3.8   | 124.74   | 584957     | 10.2230 ng/ml |
| Trazodone            | 5.013 | 35332  | 126021.56 | 75.0  | 57528.86 | 125579     | 10.0732 ng/ml |
| Venlafaxine          | 5.057 | 91820  | 192220.38 | 39.3  | 417.39   | 459581     | 9.7898 ng/ml  |
| Zolpidem             | 4.792 | 143315 | 2632.64   | 32.0  | 4748.99  | 624093     | 9.9978 ng/ml  |

# AM #28 Multi-Drug Quant. Results

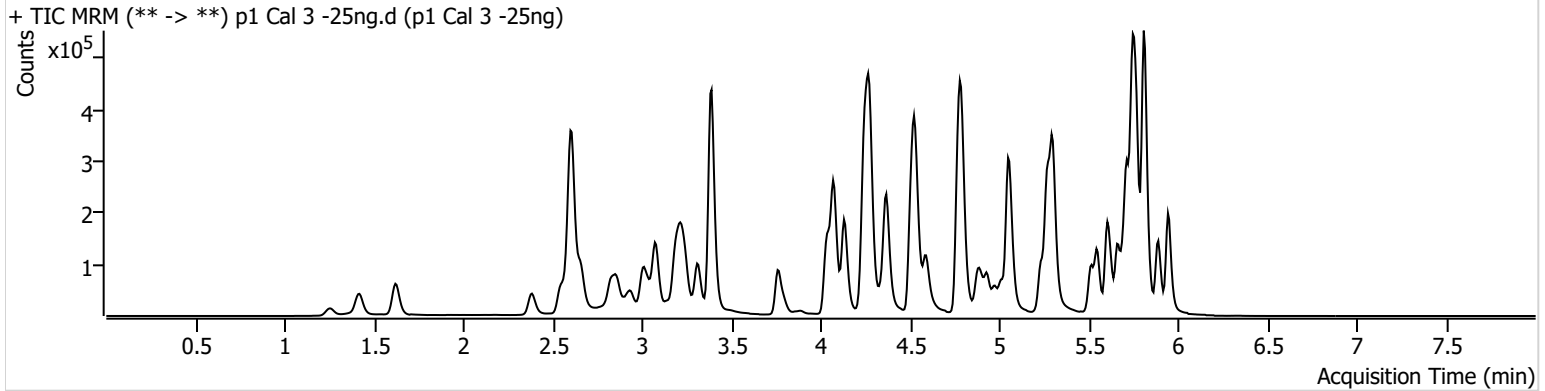
TS



**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28\_P1\_TS.batch.bin  
**Calibration Last Update** 11/10/2021 9:34:31 AM

|                         |                      |                  |                  |
|-------------------------|----------------------|------------------|------------------|
| <b>Instrument</b>       | Falco (069901)       | <b>Data File</b> | p1 Cal 3 -25ng.d |
| <b>Type</b>             | Cal                  | <b>Sample</b>    | p1 Cal 3 -25ng   |
| <b>Acq. Method</b>      | AM 28 MDQ P1.m       | <b>Operator</b>  | Tamara Salazar   |
| <b>Sample Position</b>  | P6-F12               | <b>Comment</b>   |                  |
| <b>Injection Volume</b> | 2                    |                  |                  |
| <b>Acq. Date-Time</b>   | 11/8/2021 5:16:50 PM |                  |                  |
| <b>Sample Info.</b>     |                      |                  |                  |

**Sample Chromatogram**



| Name                | RT    | Resp.  | S/N       | Ratio | S/N       | ISTD Resp. | Final Conc.   |
|---------------------|-------|--------|-----------|-------|-----------|------------|---------------|
| 6-MAM               | 3.151 | 3311   | 275.80    | 75.0  | 4871.17   | 35186      | 2.4577 ng/ml  |
| 7-aminoclonazepam   | 4.251 | 53722  | 288.59    | 79.4  | 110.77    | 138212     | 26.4143 ng/ml |
| a-hydroxyalprazolam | 5.692 | 39139  | ∞         | 75.0  | 1478.65   | 228756     | 26.8591 ng/ml |
| alpha-PHP           | 4.937 | 42074  | 849.71    | 268.7 | 5006.36   | 305247     | 24.3619 ng/ml |
| alpha-PVP           | 4.376 | 174221 | 9347.52   | 49.1  | 1961.13   | 305247     | 24.3893 ng/ml |
| Alprazolam          | 5.768 | 136304 | 409.44    | 123.3 | 471.35    | 228756     | 22.5780 ng/ml |
| Amphetamine         | 3.076 | 217719 | 3791.73   | 45.0  | 2738.91   | 87663      | 25.7512 ng/ml |
| Benzoylecgonine     | 3.886 | 5521   | 458.31    | 8.6   | 48.21     | 6401       | 24.0826 ng/ml |
| Buprenorphine       | 5.643 | 1362   | 47.37     | 16.5  | 164.44    | 21047      | 2.3966 ng/ml  |
| Bupropion           | 4.788 | 121682 | 546.98    | 67.5  | 3541.14   | 159741     | 25.2384 ng/ml |
| Carisoprodol        | 5.724 | 147284 | 72078.54  | 49.8  | 375.49    | 245370     | 24.1301 ng/ml |
| Citalopram          | 5.232 | 76214  | 2754.45   | 35.5  | 11659.02  | 135893     | 24.1754 ng/ml |
| Clonazepam          | 5.605 | 186186 | 40700.85  | 35.0  | 7823.64   | 97489      | 25.1041 ng/ml |
| Clonazepam          | 5.548 | 115544 | 56201.28  | 32.8  | 89477.78  | 97489      | 25.4715 ng/ml |
| Cocaine             | 4.271 | 151186 | 1098.96   | 53.6  | 601.30    | 456394     | 25.1437 ng/ml |
| Codeine             | 2.600 | 18605  | 446.71    | 111.1 | 89.32     | 39320      | 26.6495 ng/ml |
| Cyclobenzaprine     | 5.628 | 15894  | 32157.11  | 10.3  | 1811.70   | 35680      | 23.1635 ng/ml |
| Dextromethorphan    | 5.282 | 31297  | 150.43    | 80.7  | 249.63    | 63814      | 25.0144 ng/ml |
| Dextrophan          | 4.139 | 46045  | 314470.49 | 223.0 | 403.87    | 262219     | 23.9778 ng/ml |
| Diazepam            | 5.953 | 101667 | 567.00    | 89.3  | 8501.92   | 204575     | 24.5719 ng/ml |
| Dihydrocodeine      | 2.579 | 50306  | 378.68    | 58.4  | 6761.17   | 124615     | 25.0811 ng/ml |
| Diphenhydramine     | 5.303 | 192044 | 5509.45   | 28.2  | 107.31    | 393682     | 25.4630 ng/ml |
| Doxylamine          | 4.529 | 351962 | 3923.26   | 103.4 | 1125.80   | 611618     | 23.9688 ng/ml |
| EDDP                | 5.275 | 142127 | 298.29    | 44.1  | 128.83    | 334226     | 24.2083 ng/ml |
| Etizolam            | 5.813 | 69616  | 198829.26 | 27.9  | 2648.89   | 97489      | 24.1693 ng/ml |
| Fentanyl            | 5.082 | 1961   | 74.39     | 89.3  | 118.22    | 57215      | 2.2620 ng/ml  |
| Flualprazolam       | 5.698 | 50435  | 2508.83   | 94.0  | 11850.57  | 228756     | 24.7889 ng/ml |
| Fluoxetine          | 5.721 | 10608  | 499.57    | 6.2   | 802.46    | 15509      | 23.6908 ng/ml |
| Hydrocodone         | 3.039 | 70969  | 76.78     | 29.2  | 119.40    | 165800     | 25.5756 ng/ml |
| Hydromorphone       | 1.628 | 65165  | 580.55    | 72.9  | 200676.39 | 85984      | 24.8431 ng/ml |
| Ketamine            | 4.044 | 143961 | 810.45    | 39.1  | 609.76    | 237492     | 25.4278 ng/ml |
| Lamotrigine         | 4.287 | 13474  | 5150.20   | 80.8  | 1880.55   | 237492     | 26.6538 ng/ml |
| Levetiracetam       | 2.663 | 79044  | 2853.16   | 141.4 | 527.01    | 628899     | 27.5412 ng/ml |

TS



# AM #28 Multi-Drug Quant. Results

| Name                 | RT    | Resp.  | S/N       | Ratio | S/N      | ISTD Resp. | Final Conc.   |
|----------------------|-------|--------|-----------|-------|----------|------------|---------------|
| Lorazepam            | 5.747 | 167951 | 11147.44  | 48.4  | 155.14   | 97489      | 26.2707 ng/ml |
| MDA                  | 3.223 | 168354 | 939.24    | 29.8  | 157.35   | 193313     | 26.4490 ng/ml |
| MDMA                 | 3.316 | 103145 | 957.77    | 92.9  | 552.09   | 51500      | 24.2795 ng/ml |
| Meprobamate          | 4.904 | 72634  | 9481.19   | 25.3  | 812.26   | 167564     | 26.8316 ng/ml |
| Methadone            | 5.666 | 76453  | 8175.91   | 57.7  | 327.18   | 136677     | 24.4955 ng/ml |
| Methamphetamine      | 3.244 | 122861 | 533.63    | 41.1  | 713.72   | 228928     | 25.5524 ng/ml |
| Metoprolol           | 4.340 | 34593  | 2322.65   | 83.5  | 1756.91  | 556896     | 25.9635 ng/ml |
| Mirtazapine          | 4.590 | 156814 | 630.28    | 45.7  | 1508.80  | 305247     | 24.2685 ng/ml |
| Mitragynine          | 5.210 | 15977  | 941.01    | 32.8  | 1047.50  | 136677     | 26.0216 ng/ml |
| Morphine             | 1.261 | 10215  | 5074.26   | 21.3  | 2757.61  | 6700       | 24.5956 ng/ml |
| Norbuprenorphine     | 4.999 | 176    | 428.47    | 93.3  | 898.78   | 3441       | 2.5649 ng/ml  |
| Nordiazepam          | 5.893 | 96606  | 4314.23   | 59.1  | 501.84   | 128495     | 25.0025 ng/ml |
| Norfentanyl          | 4.099 | 29481  | 712.16    | 31.6  | 161.95   | 544209     | 2.4244 ng/ml  |
| Norhydrocodone       | 3.093 | 7186   | 56.59     | 32.1  | 37.88    | 36117      | 23.9972 ng/ml |
| Noroxycodone         | 2.936 | 60512  | 1017.11   | 46.3  | 532.76   | 71617      | 24.9792 ng/ml |
| O-desmethyl-tramadol | 3.389 | 327919 | 2291.71   | 6.6   | 86454.32 | 740522     | 24.4496 ng/ml |
| Oxazepam             | 5.749 | 190147 | ∞         | 77.6  | 1586.81  | 358277     | 25.7403 ng/ml |
| Oxycodone            | 2.854 | 132862 | 1999.26   | 29.9  | 2560.58  | 182672     | 25.5498 ng/ml |
| Oxymorphone          | 1.418 | 55632  | ∞         | 45.2  | 348.14   | 69272      | 25.1039 ng/ml |
| Phentermine          | 3.797 | 41453  | 150.92    | 7.1   | 42.04    | 225884     | 26.2648 ng/ml |
| Promethazine         | 5.545 | 30968  | 40507.25  | 30.8  | 27.36    | 55418      | 24.8911 ng/ml |
| Pseudoephedrine      | 2.616 | 305290 | 686.84    | 16.6  | 10003.09 | 628899     | 23.5193 ng/ml |
| Quetiapine           | 5.514 | 112619 | 113746.56 | 52.4  | 1070.10  | 57520      | 25.4639 ng/ml |
| Sertraline           | 5.782 | 3110   | 42.95     | 106.2 | 17068.11 | 5756       | 22.1877 ng/ml |
| Temazepam            | 5.816 | 300099 | 576.40    | 28.5  | 161.61   | 654255     | 25.3790 ng/ml |
| Tramadol             | 4.259 | 286181 | 522.79    | 3.9   | 363.46   | 556896     | 25.1431 ng/ml |
| Trazodone            | 5.013 | 76978  | 32856.62  | 75.7  | 699.16   | 115709     | 24.4057 ng/ml |
| Venlafaxine          | 5.050 | 206559 | 667.46    | 39.0  | 1955.62  | 429508     | 24.2278 ng/ml |
| Zolpidem             | 4.792 | 338389 | 4472.76   | 31.6  | 1399.10  | 623453     | 25.0674 ng/ml |



TS

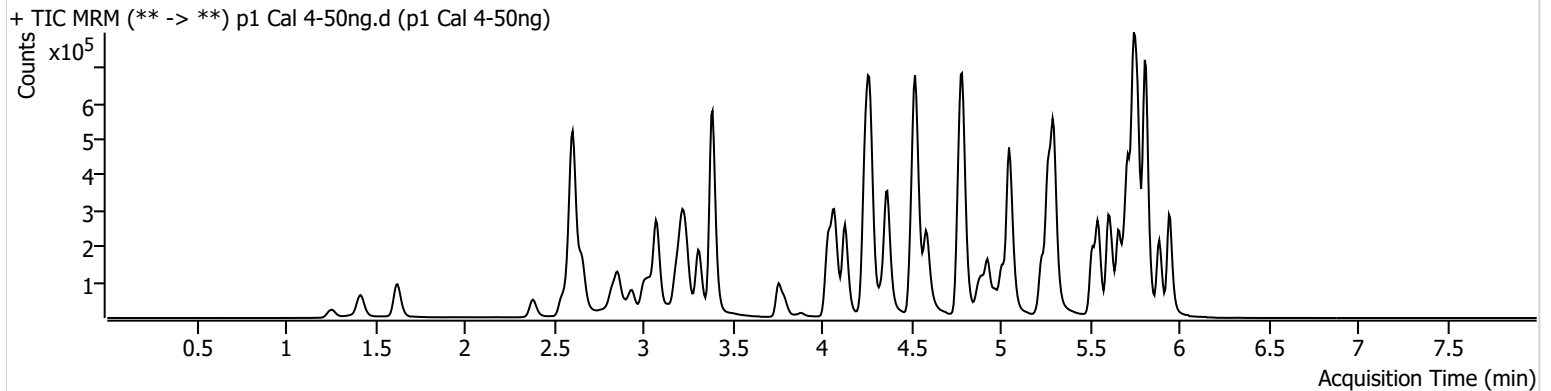


# AM #28 Multi-Drug Quant. Results

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28\_P1\_TS.batch.bin  
**Calibration Last Update** 11/10/2021 9:34:31 AM

**Instrument** Falco (069901) **Data File** p1 Cal 4-50ng.d  
**Type** Cal **Sample** p1 Cal 4-50ng  
**Acq. Method** AM 28 MDQ P1.m **Operator** Tamara Salazar  
**Sample Position** P6-E12 **Comment**  
**Injection Volume** 2  
**Acq. Date-Time** 11/8/2021 5:27:27 PM  
**Sample Info.**

## Sample Chromatogram



| Name                | RT    | Resp.  | S/N       | Ratio | S/N       | ISTD Resp. | Final Conc.   |
|---------------------|-------|--------|-----------|-------|-----------|------------|---------------|
| 6-MAM               | 3.151 | 6752   | 706.89    | 72.9  | 16859.55  | 35813      | 4.9746 ng/ml  |
| 7-aminoclonazepam   | 4.244 | 98784  | 3685.38   | 79.1  | 150.32    | 130372     | 52.9989 ng/ml |
| a-hydroxyalprazolam | 5.692 | 70479  | 240.41    | 74.6  | 293.53    | 215862     | 52.6800 ng/ml |
| alpha-PHP           | 4.930 | 90825  | 1114.16   | 266.7 | 2104.90   | 318197     | 51.0472 ng/ml |
| alpha-PVP           | 4.370 | 359440 | 11844.73  | 49.3  | 369.47    | 318197     | 48.7727 ng/ml |
| Alprazolam          | 5.768 | 264797 | 1130.21   | 119.9 | ∞         | 215862     | 46.3437 ng/ml |
| Amphetamine         | 3.076 | 458496 | 746.17    | 45.2  | 3446.46   | 92116      | 53.2501 ng/ml |
| Benzoylecgonine     | 3.886 | 9939   | 4945.78   | 7.7   | 71.72     | 5701       | 46.8317 ng/ml |
| Buprenorphine       | 5.636 | 3191   | 244.65    | 19.8  | 1483.46   | 24571      | 4.9434 ng/ml  |
| Bupropion           | 4.781 | 264039 | 1405.52   | 66.1  | 519.73    | 170725     | 53.2047 ng/ml |
| Carisoprodol        | 5.724 | 268366 | 88724.49  | 49.1  | 432.29    | 221592     | 49.0643 ng/ml |
| Citalopram          | 5.232 | 171298 | 25927.63  | 36.0  | 586.62    | 151467     | 49.3321 ng/ml |
| Clonazepam          | 5.605 | 348691 | 28198.74  | 34.9  | 1597.94   | 91315      | 51.2615 ng/ml |
| Clonazepam          | 5.548 | 215991 | 2298.76   | 31.4  | 132116.22 | 91315      | 51.9699 ng/ml |
| Cocaine             | 4.271 | 299297 | 10544.01  | 51.8  | 14179.86  | 460447     | 50.8367 ng/ml |
| Codeine             | 2.600 | 36075  | 77.94     | 113.7 | 162471.50 | 39143      | 52.9435 ng/ml |
| Cyclobenzaprine     | 5.628 | 58382  | 34406.49  | 8.8   | 413.60    | 66581      | 44.6283 ng/ml |
| Dextromethorphan    | 5.282 | 79038  | 122.41    | 81.6  | 1922.65   | 80406      | 50.9460 ng/ml |
| Dextrophan          | 4.132 | 97450  | 145826.31 | 218.3 | 4721.58   | 272814     | 49.0570 ng/ml |
| Diazepam            | 5.953 | 205437 | 1287.07   | 88.2  | 5375.32   | 201278     | 51.4459 ng/ml |
| Dihydrocodeine      | 2.579 | 102798 | 18935.78  | 59.1  | 187.88    | 122141     | 53.5214 ng/ml |
| Diphenhydramine     | 5.303 | 440266 | 1549.07   | 28.9  | 11499.17  | 461359     | 49.8482 ng/ml |
| Doxylamine          | 4.522 | 752289 | 51699.37  | 103.1 | 100235.46 | 652662     | 48.5750 ng/ml |
| EDDP                | 5.268 | 302541 | 300.84    | 43.9  | 367.67    | 354229     | 49.1018 ng/ml |
| Etizolam            | 5.813 | 128305 | 2352.56   | 28.3  | 96513.72  | 91315      | 47.9107 ng/ml |
| Fentanyl            | 5.082 | 5915   | 842.38    | 86.7  | 72.22     | 86720      | 4.4894 ng/ml  |
| Flualprazolam       | 5.698 | 96936  | 4094.76   | 95.0  | 16000.98  | 215862     | 51.3106 ng/ml |
| Fluoxetine          | 5.721 | 59489  | 368074.82 | 7.7   | 8495.30   | 40978      | 50.5820 ng/ml |
| Hydrocodone         | 3.039 | 146240 | 191.79    | 29.2  | ∞         | 170100     | 52.6645 ng/ml |
| Hydromorphone       | 1.628 | 124883 | 2202.04   | 73.9  | 2255.54   | 83429      | 49.6928 ng/ml |
| Ketamine            | 4.044 | 290226 | 618.78    | 39.2  | 2425.75   | 241106     | 51.8087 ng/ml |
| Lamotrigine         | 4.280 | 24980  | 4679.11   | 86.4  | 978.48    | 241106     | 49.2722 ng/ml |
| Levetiracetam       | 2.663 | 140668 | 2718.83   | 140.8 | 3093.75   | 657664     | 47.9189 ng/ml |

TS



# AM #28 Multi-Drug Quant. Results

| Name                 | RT    | Resp.  | S/N       | Ratio | S/N        | ISTD Resp. | Final Conc.   |
|----------------------|-------|--------|-----------|-------|------------|------------|---------------|
| Lorazepam            | 5.747 | 293609 | 2443.06   | 49.5  | 849.38     | 91315      | 50.8065 ng/ml |
| MDA                  | 3.223 | 347307 | 656.06    | 29.4  | 301.73     | 200068     | 54.6011 ng/ml |
| MDMA                 | 3.316 | 221616 | 4161.36   | 91.2  | 3266.94    | 54247      | 50.4137 ng/ml |
| Meprobamate          | 4.904 | 131996 | 5181.22   | 25.4  | 2914.76    | 157907     | 53.7390 ng/ml |
| Methadone            | 5.666 | 185841 | 16977.72  | 58.1  | 388.89     | 168083     | 49.0877 ng/ml |
| Methamphetamine      | 3.244 | 251303 | 462.52    | 41.6  | 941.99     | 242301     | 52.4662 ng/ml |
| Metoprolol           | 4.340 | 72240  | 85176.77  | 82.8  | 3527.48    | 591531     | 52.3086 ng/ml |
| Mirtazapine          | 4.590 | 344769 | 1708.19   | 46.7  | 2138.14    | 318197     | 51.7573 ng/ml |
| Mitragynine          | 5.210 | 38784  | 45289.35  | 34.1  | 88.86      | 168083     | 52.5407 ng/ml |
| Morphine             | 1.261 | 19668  | 3399.59   | 20.5  | 180.14     | 6394       | 50.4866 ng/ml |
| Norbuprenorphine     | 4.999 | 409    | 858.48    | 90.5  | 612.13     | 3912       | 5.6553 ng/ml  |
| Nordiazepam          | 5.893 | 187213 | 1453.07   | 58.2  | 3355.60    | 126614     | 50.1416 ng/ml |
| Norfentanyl          | 4.093 | 61525  | 237.32    | 32.7  | 153.10     | 572722     | 4.8334 ng/ml  |
| Norhydrocodone       | 3.093 | 13460  | 374.69    | 37.3  | 88.76      | 34839      | 46.4800 ng/ml |
| Noroxycodone         | 2.936 | 120406 | 280.55    | 48.7  | 362.75     | 69441      | 52.2779 ng/ml |
| O-desmethyl-tramadol | 3.389 | 652061 | 8745.14   | 6.7   | 8176.24    | 746044     | 48.8433 ng/ml |
| Oxazepam             | 5.749 | 346778 | 10806.00  | 76.7  | 360.94     | 328154     | 52.7245 ng/ml |
| Oxycodone            | 2.854 | 259489 | 3661.56   | 29.9  | 1085.88    | 182217     | 51.0638 ng/ml |
| Oxymorphone          | 1.418 | 105194 | ∞         | 45.7  | 184.96     | 65186      | 51.6327 ng/ml |
| Phentermine          | 3.797 | 86669  | 433.68    | 6.6   | 315.86     | 238005     | 53.6302 ng/ml |
| Promethazine         | 5.545 | 115564 | 2184.71   | 31.3  | 1371.88    | 102180     | 50.8897 ng/ml |
| Pseudoephedrine      | 2.616 | 641834 | 12632.03  | 16.4  | 11405.13   | 657664     | 46.5502 ng/ml |
| Quetiapine           | 5.514 | 247717 | 14802.24  | 55.3  | 1100762.76 | 62820      | 52.2204 ng/ml |
| Sertraline           | 5.789 | 21563  | 928.86    | 100.4 | 349.01     | 18233      | 49.9333 ng/ml |
| Temazepam            | 5.816 | 548341 | 5155.56   | 29.2  | 226.06     | 613473     | 50.8361 ng/ml |
| Tramadol             | 4.259 | 591945 | 3168.43   | 3.9   | 1708.60    | 591531     | 50.0375 ng/ml |
| Trazodone            | 5.007 | 187213 | 392813.57 | 77.2  | 2539.65    | 140543     | 49.2978 ng/ml |
| Venlafaxine          | 5.050 | 445885 | 4517.64   | 38.5  | 267.88     | 458155     | 49.5106 ng/ml |
| Zolpidem             | 4.792 | 679521 | 5489.91   | 31.2  | 4511.97    | 635235     | 50.4273 ng/ml |

TS

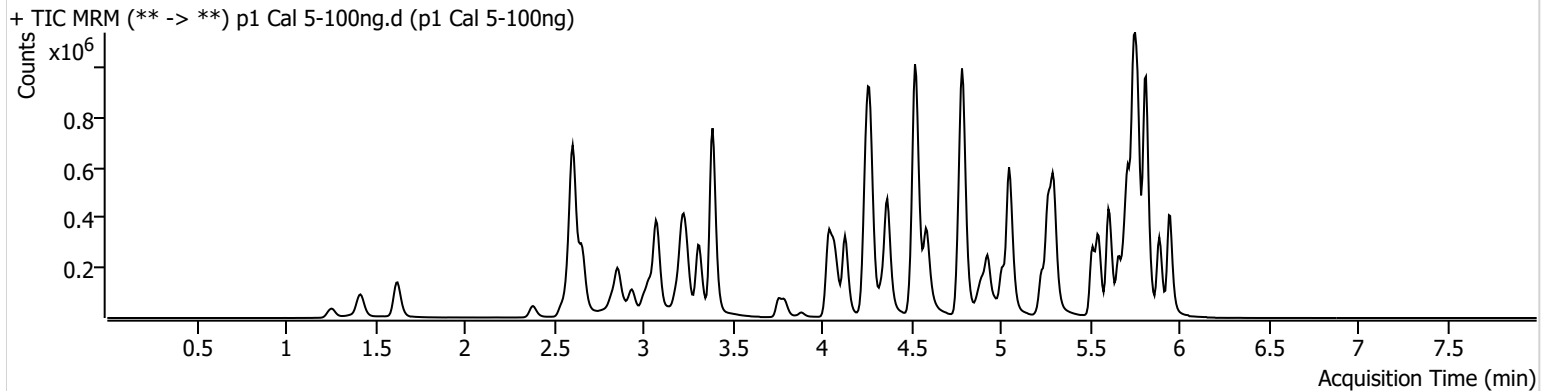


# AM #28 Multi-Drug Quant. Results

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28\_P1\_TS.batch.bin  
**Calibration Last Update** 11/10/2021 9:34:31 AM

|                         |                      |                  |                  |
|-------------------------|----------------------|------------------|------------------|
| <b>Instrument</b>       | Falco (069901)       | <b>Data File</b> | p1 Cal 5-100ng.d |
| <b>Type</b>             | Cal                  | <b>Sample</b>    | p1 Cal 5-100ng   |
| <b>Acq. Method</b>      | AM 28 MDQ P1.m       | <b>Operator</b>  | Tamara Salazar   |
| <b>Sample Position</b>  | P6-D12               | <b>Comment</b>   |                  |
| <b>Injection Volume</b> | 2                    |                  |                  |
| <b>Acq. Date-Time</b>   | 11/8/2021 5:38:03 PM |                  |                  |
| <b>Sample Info.</b>     |                      |                  |                  |

## Sample Chromatogram



| Name                | RT    | Resp.   | S/N      | Ratio | S/N       | ISTD Resp. | Final Conc.    |
|---------------------|-------|---------|----------|-------|-----------|------------|----------------|
| 6-MAM               | 3.151 | 11906   | 1510.52  | 70.8  | 12408.26  | 31358      | 10.0696 ng/ml  |
| 7-aminoclonazepam   | 4.244 | 163460  | 150.83   | 79.8  | 451.16    | 109378     | 106.0751 ng/ml |
| a-hydroxyalprazolam | 5.692 | 119932  | 393.79   | 76.0  | 1399.10   | 188930     | 103.9041 ng/ml |
| alpha-PHP           | 4.930 | 138319  | 1471.44  | 266.6 | 28834.56  | 254210     | 97.8146 ng/ml  |
| alpha-PVP           | 4.370 | 579780  | 32674.99 | 49.6  | 6040.94   | 254210     | 98.9955 ng/ml  |
| Alprazolam          | 5.768 | 474148  | ∞        | 120.1 | 2049.91   | 188930     | 94.6759 ng/ml  |
| Amphetamine         | 3.076 | 705823  | 8049.71  | 43.5  | 638.67    | 71715      | 106.8934 ng/ml |
| Benzoylecgonine     | 3.886 | 18880   | 252.54   | 8.3   | 6623.78   | 5172       | 96.0985 ng/ml  |
| Buprenorphine       | 5.643 | 3976    | 460.00   | 16.7  | 1296.25   | 14582      | 10.5238 ng/ml  |
| Bupropion           | 4.781 | 378246  | 523.20   | 66.3  | 549.88    | 126221     | 104.8781 ng/ml |
| Carisoprodol        | 5.724 | 467598  | 18524.33 | 49.2  | 379.90    | 193177     | 98.4358 ng/ml  |
| Citalopram          | 5.232 | 229357  | 6330.53  | 36.7  | 654315.55 | 104636     | 96.1535 ng/ml  |
| Clonazepam          | 5.605 | 615969  | 41776.17 | 34.6  | 1158.34   | 82167      | 101.6660 ng/ml |
| Clonazepam          | 5.548 | 379681  | 37089.44 | 32.5  | 6710.47   | 82167      | 102.6153 ng/ml |
| Cocaine             | 4.271 | 509692  | 27670.04 | 52.9  | ∞         | 394014     | 102.7118 ng/ml |
| Codeine             | 2.600 | 62760   | 2995.86  | 109.6 | 248745.27 | 35454      | 102.6956 ng/ml |
| Cyclobenzaprine     | 5.628 | 42640   | 67414.27 | 9.8   | 68.48     | 24435      | 87.8276 ng/ml  |
| Dextromethorphan    | 5.282 | 94085   | 260.98   | 79.8  | 33236.63  | 48521      | 101.2789 ng/ml |
| Dextrophan          | 4.132 | 162008  | 18116.69 | 214.8 | 874.48    | 222423     | 100.3155 ng/ml |
| Diazepam            | 5.953 | 355522  | 961.08   | 87.0  | 1154.23   | 178662     | 101.1840 ng/ml |
| Dihydrocodeine      | 2.579 | 177623  | 37386.03 | 59.4  | 17472.30  | 109804     | 103.9164 ng/ml |
| Diphenhydramine     | 5.303 | 568622  | 53706.38 | 29.0  | 427.84    | 306071     | 97.0815 ng/ml  |
| Doxylamine          | 4.522 | 1250751 | 2165.81  | 101.9 | 6797.61   | 545355     | 97.2093 ng/ml  |
| EDDP                | 5.268 | 454558  | 24536.60 | 42.5  | 14248.57  | 266913     | 98.3812 ng/ml  |
| Etizolam            | 5.813 | 228400  | 7957.20  | 27.9  | 49134.45  | 82167      | 95.1413 ng/ml  |
| Fentanyl            | 5.082 | 5749    | 237.94   | 83.2  | 241.32    | 41416      | 9.1230 ng/ml   |
| Flualprazolam       | 5.698 | 166196  | 11684.41 | 97.6  | 84336.98  | 188930     | 101.2704 ng/ml |
| Fluoxetine          | 5.721 | 26348   | 3339.53  | 7.3   | 43.98     | 9455       | 97.3444 ng/ml  |
| Hydrocodone         | 3.039 | 242066  | 134.36   | 29.5  | 84.88     | 145840     | 102.8695 ng/ml |
| Hydromorphone       | 1.628 | 218730  | 3410.85  | 74.8  | 617445.01 | 74263      | 98.3983 ng/ml  |
| Ketamine            | 4.044 | 495203  | 44562.16 | 39.2  | 1222.43   | 208565     | 103.4885 ng/ml |
| Lamotrigine         | 4.280 | 44940   | 2499.98  | 83.8  | 980.25    | 208565     | 103.2523 ng/ml |
| Levetiracetam       | 2.663 | 256582  | 1335.78  | 141.2 | 18695.33  | 551576     | 105.9741 ng/ml |

TS



# AM #28 Multi-Drug Quant. Results

| Name                 | RT    | Resp.   | S/N       | Ratio | S/N      | ISTD Resp. | Final Conc.    |
|----------------------|-------|---------|-----------|-------|----------|------------|----------------|
| Lorazepam            | 5.747 | 463933  | 2974.27   | 49.4  | 1205.46  | 82167      | 90.7678 ng/ml  |
| MDA                  | 3.223 | 535461  | 7035.94   | 29.2  | 180.20   | 158744     | 107.8799 ng/ml |
| MDMA                 | 3.316 | 358738  | 11074.15  | 92.5  | 2624.26  | 45382      | 98.3471 ng/ml  |
| Meprobamate          | 4.904 | 230630  | 7817.92   | 24.9  | 2425.15  | 143013     | 105.6710 ng/ml |
| Methadone            | 5.666 | 225350  | 11689.98  | 56.0  | 376.79   | 103466     | 97.3623 ng/ml  |
| Methamphetamine      | 3.244 | 358728  | 4987.11   | 41.5  | 3065.62  | 184631     | 101.1766 ng/ml |
| Metoprolol           | 4.340 | 118074  | 112068.73 | 84.4  | 569.43   | 486588     | 105.2275 ng/ml |
| Mirtazapine          | 4.590 | 501858  | 2031.81   | 46.3  | 2542.74  | 254210     | 94.7274 ng/ml  |
| Mitragynine          | 5.210 | 41920   | 79253.22  | 34.5  | 1931.24  | 103466     | 93.1680 ng/ml  |
| Morphine             | 1.261 | 36195   | 878.25    | 19.8  | 25.27    | 5763       | 103.9602 ng/ml |
| Norbuprenorphine     | 5.006 | 426     | 100.40    | 115.5 | 547.68   | 2629       | 8.9671 ng/ml   |
| Nordiazepam          | 5.893 | 326084  | 2413.77   | 59.9  | 13639.89 | 108585     | 102.8700 ng/ml |
| Norfentanyl          | 4.093 | 104868  | 3823.04   | 32.1  | 602.20   | 491196     | 9.6318 ng/ml   |
| Norhydrocodone       | 3.093 | 22823   | 194.18    | 36.0  | 75.69    | 28450      | 96.3820 ng/ml  |
| Noroxycodone         | 2.936 | 199781  | 725.28    | 48.9  | 8549.85  | 59888      | 101.4708 ng/ml |
| O-desmethyl-tramadol | 3.389 | 1146716 | 88060.25  | 6.8   | 395.79   | 658335     | 97.9368 ng/ml  |
| Oxazepam             | 5.749 | 582678  | 11667.36  | 75.9  | 167.47   | 273860     | 107.6594 ng/ml |
| Oxycodone            | 2.854 | 446411  | 4079.53   | 30.3  | 2177.93  | 157802     | 102.5089 ng/ml |
| Oxymorphone          | 1.418 | 183355  | 331.62    | 46.0  | ∞        | 58234      | 101.8599 ng/ml |
| Phentermine          | 3.797 | 134165  | 319.33    | 7.0   | 89.32    | 190542     | 105.1364 ng/ml |
| Promethazine         | 5.545 | 81598   | 6287.23   | 31.2  | 207.42   | 38106      | 96.7981 ng/ml  |
| Pseudoephedrine      | 2.616 | 1069543 | 1373.46   | 16.6  | 23290.90 | 551576     | 91.7738 ng/ml  |
| Quetiapine           | 5.514 | 381621  | 11523.02  | 54.7  | 20429.17 | 50995      | 99.9307 ng/ml  |
| Sertraline           | 5.789 | 7067    | 399.53    | 100.3 | 7722.10  | 3264       | 92.3680 ng/ml  |
| Temazepam            | 5.816 | 942254  | 19219.90  | 29.5  | 775.52   | 523187     | 103.9075 ng/ml |
| Tramadol             | 4.259 | 993864  | 1650.41   | 3.9   | 1235.50  | 486588     | 103.3135 ng/ml |
| Trazodone            | 5.007 | 266313  | 490075.93 | 76.5  | 49437.26 | 99572      | 99.4157 ng/ml  |
| Venlafaxine          | 5.050 | 727430  | 1737.07   | 39.0  | 4383.75  | 383002     | 97.0705 ng/ml  |
| Zolpidem             | 4.792 | 1217129 | 16310.31  | 30.7  | 583.84   | 566853     | 102.2807 ng/ml |

# AM #28 Multi-Drug Quant. Results

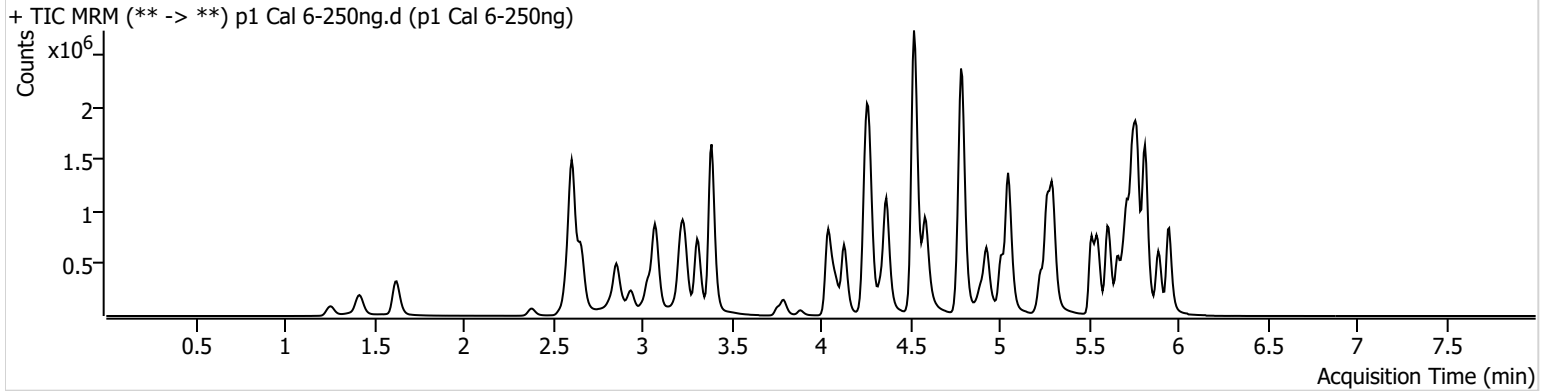
TS



**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28\_P1\_TS.batch.bin  
**Calibration Last Update** 11/10/2021 9:34:31 AM

|                         |                      |                  |                  |
|-------------------------|----------------------|------------------|------------------|
| <b>Instrument</b>       | Falco (069901)       | <b>Data File</b> | p1 Cal 6-250ng.d |
| <b>Type</b>             | Cal                  | <b>Sample</b>    | p1 Cal 6-250ng   |
| <b>Acq. Method</b>      | AM 28 MDQ P1.m       | <b>Operator</b>  | Tamara Salazar   |
| <b>Sample Position</b>  | P6-C12               | <b>Comment</b>   |                  |
| <b>Injection Volume</b> | 2                    |                  |                  |
| <b>Acq. Date-Time</b>   | 11/8/2021 5:48:39 PM |                  |                  |
| <b>Sample Info.</b>     |                      |                  |                  |

**Sample Chromatogram**



| Name                | RT    | Resp.   | S/N        | Ratio | S/N       | ISTD Resp. | Final Conc.    |
|---------------------|-------|---------|------------|-------|-----------|------------|----------------|
| 6-MAM               | 3.151 | 34503   | 2387.17    | 70.4  | 2070.14   | 35442      | 25.8979 ng/ml  |
| 7-aminoclonazepam   | 4.244 | 417123  | 1756.41    | 78.9  | 1884.05   | 123540     | 241.6559 ng/ml |
| a-hydroxyalprazolam | 5.692 | 212267  | 2505.92    | 75.1  | 274.44    | 165102     | 212.0476 ng/ml |
| alpha-PHP           | 4.930 | 380853  | 1788.38    | 266.6 | 2441.33   | 278472     | 246.7067 ng/ml |
| alpha-PVP           | 4.370 | 1592139 | 693.60     | 50.0  | 139005.14 | 278472     | 248.9408 ng/ml |
| Alprazolam          | 5.768 | 1176131 | 880.51     | 113.8 | 8870.60   | 165102     | 268.4969 ng/ml |
| Amphetamine         | 3.076 | 1636424 | 21706.68   | 44.2  | 640.50    | 74202      | 241.5488 ng/ml |
| Benzoylecgonine     | 3.886 | 55370   | 422.21     | 8.1   | 160.25    | 6080       | 237.0267 ng/ml |
| Buprenorphine       | 5.643 | 10230   | 249.20     | 17.4  | 3916.30   | 16245      | 24.4806 ng/ml  |
| Bupropion           | 4.781 | 960930  | 531.63     | 66.1  | 8184.27   | 132802     | 255.9333 ng/ml |
| Carisoprodol        | 5.724 | 953864  | 49856.17   | 49.0  | 6031.20   | 157880     | 246.2521 ng/ml |
| Citalopram          | 5.232 | 622137  | 686.71     | 35.4  | 1121.32   | 107404     | 255.0410 ng/ml |
| Clonazepam          | 5.605 | 1348999 | 1432398.10 | 34.4  | 17214.57  | 73610      | 250.0775 ng/ml |
| Clonazepam          | 5.548 | 867677  | 236144.99  | 32.8  | 402740.16 | 73610      | 263.5331 ng/ml |
| Cocaine             | 4.271 | 1321787 | 82249.14   | 53.2  | 1274.81   | 424958     | 249.1557 ng/ml |
| Codeine             | 2.593 | 147396  | 966.90     | 108.5 | 4707.66   | 35967      | 239.1860 ng/ml |
| Cyclobenzaprine     | 5.628 | 123180  | 499.17     | 8.3   | ∞         | 25817      | 238.4128 ng/ml |
| Dextromethorphan    | 5.282 | 236435  | 871.35     | 80.4  | 17671.06  | 49695      | 249.6767 ng/ml |
| Dextrophan          | 4.132 | 423299  | 1925.91    | 216.9 | 30758.06  | 232588     | 251.0610 ng/ml |
| Diazepam            | 5.953 | 863279  | 569.88     | 88.4  | 1397.44   | 173956     | 253.7334 ng/ml |
| Dihydrocodeine      | 2.579 | 473890  | 1004.70    | 59.1  | 36332.87  | 124356     | 246.3407 ng/ml |
| Diphenhydramine     | 5.303 | 1513307 | 305565.07  | 29.7  | 2840.92   | 326055     | 242.5909 ng/ml |
| Doxylamine          | 4.522 | 3621759 | 8892.41    | 99.9  | 112816.02 | 612519     | 251.5100 ng/ml |
| EDDP                | 5.268 | 1331740 | 2614.45    | 42.8  | 733.64    | 309516     | 249.2861 ng/ml |
| Etizolam            | 5.813 | 539722  | 20030.46   | 28.7  | 307452.77 | 73610      | 251.5577 ng/ml |
| Fentanyl            | 5.082 | 16173   | 400.70     | 75.6  | 19342.10  | 40017      | 26.5381 ng/ml  |
| Flualprazolam       | 5.698 | 373194  | 12166.00   | 102.9 | 4979.72   | 165102     | 261.4639 ng/ml |
| Fluoxetine          | 5.721 | 67187   | 391313.50  | 8.2   | 11126.83  | 9787       | 240.2063 ng/ml |
| Hydrocodone         | 3.032 | 629269  | ∞          | 31.2  | 266.89    | 161639     | 243.0064 ng/ml |
| Hydromorphone       | 1.628 | 581472  | 3213.73    | 73.4  | 29788.57  | 75877      | 257.0448 ng/ml |
| Ketamine            | 4.044 | 1357804 | 32030.05   | 39.4  | 1553.51   | 238136     | 250.3896 ng/ml |
| Lamotrigine         | 4.287 | 112766  | 4995.37    | 83.3  | 2935.53   | 238136     | 227.7824 ng/ml |
| Levetiracetam       | 2.663 | 629619  | 2979.14    | 143.4 | 2190.39   | 579660     | 249.4454 ng/ml |

TS



# AM #28 Multi-Drug Quant. Results

| Name                 | RT    | Resp.   | S/N        | Ratio | S/N       | ISTD Resp. | Final Conc.    |
|----------------------|-------|---------|------------|-------|-----------|------------|----------------|
| Lorazepam            | 5.740 | 702340  | 8467.13    | 48.8  | 1561.84   | 73610      | 154.7986 ng/ml |
| MDA                  | 3.223 | 1226069 | 3017.36    | 28.9  | 524.49    | 159335     | 248.5275 ng/ml |
| MDMA                 | 3.310 | 962332  | 73290.15   | 92.6  | 3879.41   | 47637      | 252.6629 ng/ml |
| Meprobamate          | 4.904 | 502483  | 23084.41   | 24.8  | 4077.33   | 139788     | 238.1823 ng/ml |
| Methadone            | 5.666 | 612289  | 22858.45   | 56.3  | 52654.50  | 112315     | 244.7284 ng/ml |
| Methamphetamine      | 3.244 | 879609  | 869.91     | 41.0  | 911.51    | 185989     | 251.0208 ng/ml |
| Metoprolol           | 4.340 | 307153  | 1771586.74 | 85.7  | 7045.53   | 529810     | 253.2220 ng/ml |
| Mirtazapine          | 4.590 | 1378923 | ∞          | 46.3  | 25881.30  | 278472     | 238.3787 ng/ml |
| Mitragynine          | 5.210 | 120632  | 144336.31  | 33.9  | 132207.28 | 112315     | 248.9817 ng/ml |
| Morphine             | 1.261 | 96473   | 86.03      | 20.5  | 2965.78   | 6333       | 253.3993 ng/ml |
| Norbuprenorphine     | 4.999 | 1141    | 1368.79    | 106.7 | 385.87    | 2758       | 23.4792 ng/ml  |
| Nordiazepam          | 5.893 | 745098  | 4845.43    | 58.8  | 3069.32   | 101806     | 252.1508 ng/ml |
| Norfentanyl          | 4.093 | 299039  | 279.64     | 32.2  | 568.45    | 555344     | 24.3334 ng/ml  |
| Norhydrocodone       | 3.086 | 62093   | 234.01     | 36.9  | 102.66    | 25960      | 287.1096 ng/ml |
| Noroxycodone         | 2.936 | 479356  | 980.76     | 49.0  | 413.45    | 57224      | 256.2624 ng/ml |
| O-desmethyl-tramadol | 3.389 | 3157621 | 96226.37   | 6.9   | 10341.23  | 712886     | 249.9722 ng/ml |
| Oxazepam             | 5.749 | 950184  | 383.32     | 80.1  | 4191.94   | 196293     | 246.8311 ng/ml |
| Oxycodone            | 2.854 | 1246629 | 11961.11   | 30.1  | 1210.63   | 179020     | 253.9176 ng/ml |
| Oxymorphone          | 1.418 | 458654  | 684.71     | 46.0  | ∞         | 58848      | 253.8755 ng/ml |
| Phentermine          | 3.797 | 336305  | 6273.08    | 6.7   | 811.13    | 197846     | 255.9837 ng/ml |
| Promethazine         | 5.545 | 224852  | 2582.25    | 32.8  | 380.00    | 41338      | 246.6578 ng/ml |
| Pseudoephedrine      | 2.610 | 2927272 | 1604.65    | 16.4  | 421941.97 | 579660     | 237.8450 ng/ml |
| Quetiapine           | 5.514 | 1055932 | 39878.42   | 57.8  | 132832.32 | 56075      | 252.8550 ng/ml |
| Sertraline           | 5.789 | 21192   | 115.88     | 101.5 | 2550.72   | 3218       | 283.3353 ng/ml |
| Temazepam            | 5.816 | 1911329 | 607.21     | 28.3  | 341.55    | 431996     | 257.3856 ng/ml |
| Tramadol             | 4.252 | 2668562 | 1391.26    | 4.0   | 4986.64   | 529810     | 256.4353 ng/ml |
| Trazodone            | 5.007 | 785184  | 57775.84   | 76.5  | 107390.13 | 114871     | 254.7433 ng/ml |
| Venlafaxine          | 5.050 | 2010186 | 953.44     | 38.4  | 5986.22   | 415967     | 247.7145 ng/ml |
| Zolpidem             | 4.792 | 3373468 | 89445.51   | 29.7  | 90634.02  | 635156     | 254.5545 ng/ml |



# AM #28 Multi-Drug Quant. Results

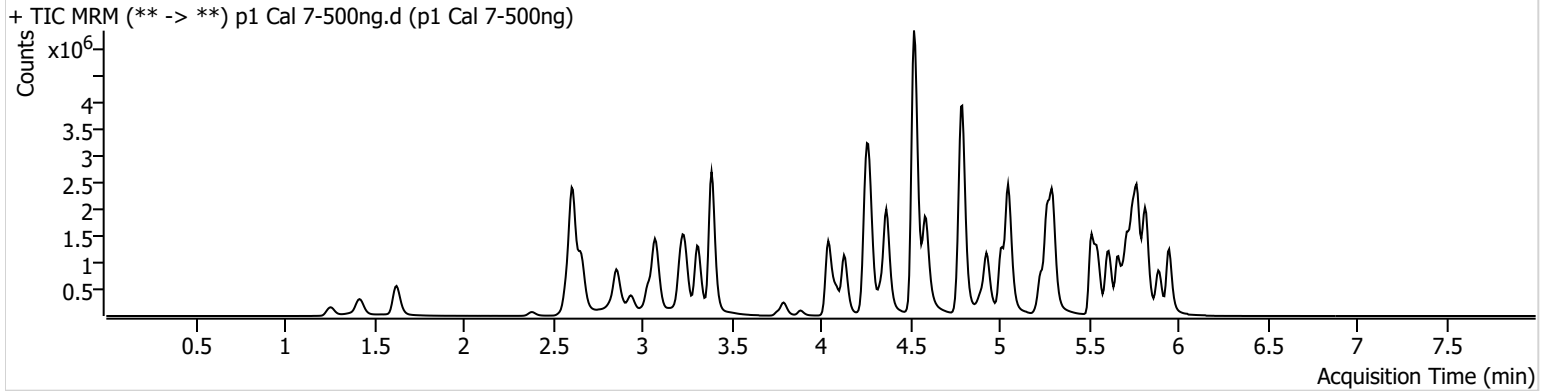
TS



**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28\_P1\_TS.batch.bin  
**Calibration Last Update** 11/10/2021 9:34:31 AM

|                         |                      |                  |                  |
|-------------------------|----------------------|------------------|------------------|
| <b>Instrument</b>       | Falco (069901)       | <b>Data File</b> | p1 Cal 7-500ng.d |
| <b>Type</b>             | Cal                  | <b>Sample</b>    | p1 Cal 7-500ng   |
| <b>Acq. Method</b>      | AM 28 MDQ P1.m       | <b>Operator</b>  | Tamara Salazar   |
| <b>Sample Position</b>  | P6-B12               | <b>Comment</b>   |                  |
| <b>Injection Volume</b> | 2                    |                  |                  |
| <b>Acq. Date-Time</b>   | 11/8/2021 5:59:16 PM |                  |                  |
| <b>Sample Info.</b>     |                      |                  |                  |

**Sample Chromatogram**



| Name                | RT    | Resp.   | S/N       | Ratio | S/N       | ISTD Resp. | Final Conc.    |
|---------------------|-------|---------|-----------|-------|-----------|------------|----------------|
| 6-MAM               | 3.151 | 64501   | 1714.69   | 72.3  | 1292.19   | 34034      | 50.4652 ng/ml  |
| 7-aminoclonazepam   | 4.244 | 658861  | 10867.47  | 79.9  | 409.50    | 110342     | 428.5808 ng/ml |
| a-hydroxyalprazolam | 5.685 | 271199  | 1062.25   | 76.8  | 193.30    | 130966     | 342.4918 ng/ml |
| alpha-PHP           | 4.930 | 716148  | 2830.80   | 264.5 | 154976.54 | 251749     | 513.7483 ng/ml |
| alpha-PVP           | 4.370 | 2980882 | 141194.13 | 50.2  | 40389.45  | 251749     | 516.1033 ng/ml |
| Alprazolam          | 5.775 | 1890696 | 7464.39   | 111.1 | 990.87    | 130966     | 543.9925 ng/ml |
| Amphetamine         | 3.076 | 2786047 | 929.94    | 44.2  | 31130.98  | 71041      | 430.8119 ng/ml |
| Benzoylecgonine     | 3.886 | 108851  | 4383.04   | 8.1   | 31273.20  | 5498       | 513.1743 ng/ml |
| Buprenorphine       | 5.643 | 20444   | 893.19    | 15.7  | 229.08    | 15343      | 51.9505 ng/ml  |
| Bupropion           | 4.781 | 1639465 | 102435.94 | 66.6  | 18883.77  | 119623     | 486.4653 ng/ml |
| Carisoprodol        | 5.724 | 1362085 | 50656.05  | 50.9  | 7688.82   | 109708     | 506.4349 ng/ml |
| Citalopram          | 5.232 | 1228561 | 22164.03  | 35.8  | 49696.93  | 104053     | 520.4584 ng/ml |
| Clonazepam          | 5.605 | 2000591 | 53044.56  | 34.1  | 16054.91  | 58078      | 470.9967 ng/ml |
| Clonazepam          | 5.548 | 1285196 | 334083.03 | 34.5  | 26388.02  | 58078      | 495.7392 ng/ml |
| Cocaine             | 4.271 | 2295153 | 107105.63 | 53.6  | 56517.45  | 369658     | 498.9067 ng/ml |
| Codeine             | 2.593 | 233145  | 309.99    | 104.0 | 788.85    | 31211      | 436.8871 ng/ml |
| Cyclobenzaprine     | 5.628 | 288599  | 165083.00 | 8.6   | 6683.89   | 28672      | 501.8424 ng/ml |
| Dextromethorphan    | 5.282 | 445609  | 18219.92  | 81.4  | 458.50    | 47040      | 497.9144 ng/ml |
| Dextrophan          | 4.132 | 772105  | 911.99    | 218.4 | 1940.70   | 207762     | 512.9455 ng/ml |
| Diazepam            | 5.953 | 1393920 | 27581.46  | 87.0  | 34275.29  | 140944     | 506.5818 ng/ml |
| Dihydrocodeine      | 2.579 | 809155  | 30162.57  | 60.2  | 15278.72  | 117824     | 444.8512 ng/ml |
| Diphenhydramine     | 5.303 | 3063246 | 89437.07  | 29.2  | 579.86    | 315415     | 507.6599 ng/ml |
| Doxylamine          | 4.522 | 7272240 | 1951.49   | 98.1  | 8707.62   | 584025     | 530.2773 ng/ml |
| EDDP                | 5.268 | 2631231 | 61376.16  | 42.0  | 195173.50 | 292865     | 521.0576 ng/ml |
| Etizolam            | 5.813 | 894310  | 17040.68  | 28.3  | 8996.73   | 58078      | 528.7075 ng/ml |
| Fentanyl            | 5.082 | 35559   | 333.88    | 76.3  | 59277.44  | 41088      | 56.8131 ng/ml  |
| Flualprazolam       | 5.698 | 578594  | 2182.23   | 106.1 | 630.57    | 130966     | 511.7846 ng/ml |
| Fluoxetine          | 5.721 | 162321  | 55121.89  | 8.0   | 150.93    | 10698      | 531.2174 ng/ml |
| Hydrocodone         | 3.032 | 1113952 | 3255.31   | 32.5  | 789.84    | 150732     | 462.4590 ng/ml |
| Hydromorphone       | 1.628 | 1029065 | 9122.42   | 71.7  | 7027.14   | 68323      | 505.8225 ng/ml |
| Ketamine            | 4.044 | 2502727 | 1381.54   | 38.5  | 8124.51   | 223860     | 492.2363 ng/ml |
| Lamotrigine         | 4.287 | 177040  | 4479.29   | 84.8  | 777.53    | 223860     | 380.9050 ng/ml |
| Levetiracetam       | 2.663 | 1069289 | 17590.81  | 146.1 | 981.96    | 494414     | 498.1612 ng/ml |

TS



# AM #28 Multi-Drug Quant. Results

| Name                 | RT    | Resp.   | S/N       | Ratio | S/N       | ISTD Resp. | Final Conc.    |
|----------------------|-------|---------|-----------|-------|-----------|------------|----------------|
| Lorazepam            | 5.740 | 802535  | 22883.94  | 48.8  | 2195.81   | 58078      | 225.1072 ng/ml |
| MDA                  | 3.223 | 1987401 | 3494.73   | 27.8  | 1175.98   | 137001     | 470.2007 ng/ml |
| MDMA                 | 3.310 | 1784305 | 5759.61   | 92.3  | 5782.82   | 42180      | 530.0129 ng/ml |
| Meprobamate          | 4.904 | 758913  | 513.28    | 25.3  | 1671.55   | 118962     | 424.3750 ng/ml |
| Methadone            | 5.666 | 1287444 | 4380.52   | 56.4  | 46014.74  | 111130     | 520.8441 ng/ml |
| Methamphetamine      | 3.244 | 1639921 | 19545.65  | 41.1  | 26694.74  | 179895     | 486.9186 ng/ml |
| Metoprolol           | 4.340 | 540894  | 5777.62   | 87.5  | 11370.88  | 481090     | 492.3101 ng/ml |
| Mirtazapine          | 4.590 | 2783953 | 28218.62  | 45.4  | 9837.30   | 251749     | 532.9941 ng/ml |
| Mitragynine          | 5.210 | 241429  | 5156.79   | 35.0  | 3548.23   | 111130     | 504.8566 ng/ml |
| Morphine             | 1.261 | 175958  | 1427.21   | 20.2  | ∞         | 5788       | 506.5230 ng/ml |
| Norbuprenorphine     | 5.006 | 2192    | 174.44    | 92.9  | 1565.19   | 2479       | 50.6268 ng/ml  |
| Nordiazepam          | 5.893 | 1124024 | 60181.92  | 58.7  | 893.83    | 76654      | 506.2020 ng/ml |
| Norfentanyl          | 4.099 | 576513  | 270.89    | 32.6  | 402.68    | 528950     | 49.2798 ng/ml  |
| Norhydrocodone       | 3.086 | 119548  | 261.22    | 36.9  | 353.13    | 21976      | 652.8556 ng/ml |
| Noroxycodone         | 2.936 | 784934  | 7726.12   | 47.6  | 1389.61   | 49299      | 487.9557 ng/ml |
| O-desmethyl-tramadol | 3.389 | 5807677 | 105663.09 | 6.8   | 19599.99  | 637212     | 515.0001 ng/ml |
| Oxazepam             | 5.749 | 1155573 | 9702.22   | 76.7  | 5910.71   | 121165     | 487.7561 ng/ml |
| Oxycodone            | 2.854 | 2295284 | 1448.30   | 29.8  | 1483.54   | 169962     | 493.4457 ng/ml |
| Oxymorphone          | 1.418 | 792044  | 909.96    | 45.6  | ∞         | 51981      | 497.4564 ng/ml |
| Phentermine          | 3.797 | 603653  | 8193.67   | 6.4   | 1907.88   | 189059     | 482.1875 ng/ml |
| Promethazine         | 5.545 | 547028  | 593.14    | 32.5  | 13018.78  | 48310      | 514.0172 ng/ml |
| Pseudoephedrine      | 2.616 | 5236433 | 141394.43 | 16.1  | 28545.18  | 494414     | 498.0289 ng/ml |
| Quetiapine           | 5.514 | 2123871 | 328582.90 | 59.9  | 145250.83 | 57042      | 500.8612 ng/ml |
| Sertraline           | 5.789 | 57337   | 217.80    | 96.6  | 172.86    | 4682       | 527.8504 ng/ml |
| Temazepam            | 5.823 | 2513715 | ∞         | 28.2  | 10057.49  | 282355     | 519.3764 ng/ml |
| Tramadol             | 4.259 | 4689643 | 1556.68   | 4.0   | 9079.29   | 481090     | 497.3511 ng/ml |
| Trazodone            | 5.007 | 1728331 | 88659.17  | 78.7  | 1895.12   | 122747     | 525.2121 ng/ml |
| Venlafaxine          | 5.050 | 3927216 | 244168.57 | 37.2  | 33153.88  | 386388     | 521.5160 ng/ml |
| Zolpidem             | 4.792 | 6172158 | 157229.11 | 29.1  | 3736.54   | 583360     | 508.1349 ng/ml |



TS

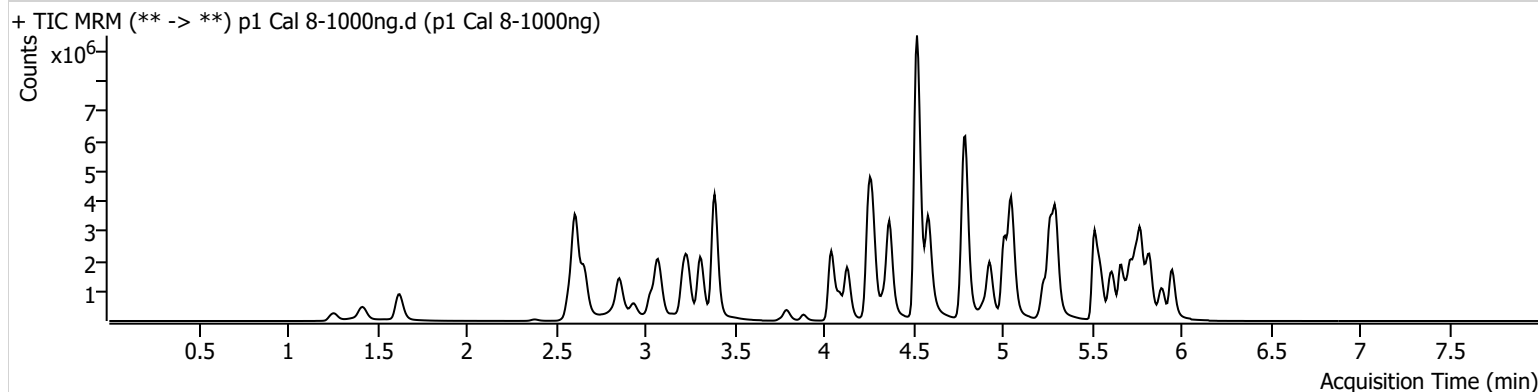


# AM #28 Multi-Drug Quant. Results

**Batch results** G:\TOX\Pocatello\Falco\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28\_P1\_TS.batch.bin  
**Calibration Last Update** 11/10/2021 9:34:31 AM

|                         |                      |                  |                   |
|-------------------------|----------------------|------------------|-------------------|
| <b>Instrument</b>       | Falco (069901)       | <b>Data File</b> | p1 Cal 8-1000ng.d |
| <b>Type</b>             | Cal                  | <b>Sample</b>    | p1 Cal 8-1000ng   |
| <b>Acq. Method</b>      | AM 28 MDQ P1.m       | <b>Operator</b>  | Tamara Salazar    |
| <b>Sample Position</b>  | P6-A12               | <b>Comment</b>   |                   |
| <b>Injection Volume</b> | 2                    |                  |                   |
| <b>Acq. Date-Time</b>   | 11/8/2021 6:09:52 PM |                  |                   |
| <b>Sample Info.</b>     |                      |                  |                   |

## Sample Chromatogram



| Name                | RT    | Resp.    | S/N         | Ratio | S/N        | ISTD Resp. | Final Conc.     |
|---------------------|-------|----------|-------------|-------|------------|------------|-----------------|
| 6-MAM               | 3.151 | 121102   | 2066.39     | 70.8  | 1175.61    | 33329      | 96.7997 ng/ml   |
| 7-aminoclonazepam   | 4.237 | 876316   | 28156.08    | 79.4  | 9695.51    | 97301      | 647.2376 ng/ml  |
| a-hydroxyalprazolam | 5.685 | 332091   | 108.84      | 73.1  | ∞          | 98960      | 556.0048 ng/ml  |
| alpha-PHP           | 4.930 | 1247904  | 1356.29     | 266.3 | 202946.80  | 227494     | 991.1825 ng/ml  |
| alpha-PVP           | 4.370 | 5326893  | 9844.40     | 49.7  | 46758.97   | 227494     | 1021.1206 ng/ml |
| Alprazolam          | 5.775 | 2777219  | 777.07      | 112.1 | 288.00     | 98960      | 1057.3771 ng/ml |
| Amphetamine         | 3.076 | 4115772  | 1884.60     | 44.5  | 3073.34    | 59761      | 757.7977 ng/ml  |
| Benzoylcegonine     | 3.886 | 232372   | 15597.17    | 8.4   | 4124.72    | 5976       | 1006.2019 ng/ml |
| Buprenorphine       | 5.643 | 31815    | 1549.44     | 15.5  | 7416.13    | 12646      | 98.2051 ng/ml   |
| Bupropion           | 4.781 | 2462269  | 76066.11    | 65.3  | 19425.67   | 103405     | 846.6027 ng/ml  |
| Carisoprodol        | 5.724 | 1813121  | 389310.17   | 49.6  | 19269.52   | 73972      | 1000.1685 ng/ml |
| Citalopram          | 5.232 | 2039018  | 832.84      | 36.1  | 1178.95    | 88399      | 1017.3015 ng/ml |
| Clonazepam          | 5.605 | 2770934  | 24076.89    | 34.1  | 45503.32   | 44920      | 844.2813 ng/ml  |
| Clonazepam          | 5.548 | 1760895  | 145758.85   | 34.8  | 569737.71  | 44920      | 879.0611 ng/ml  |
| Cocaine             | 4.271 | 3783537  | 4133.75     | 53.1  | 87962.12   | 311233     | 978.3267 ng/ml  |
| Codeine             | 2.593 | 337076   | 147.25      | 100.6 | 764.21     | 26593      | 742.1097 ng/ml  |
| Cyclobenzaprine     | 5.628 | 499353   | 34289.17    | 8.5   | 8330.36    | 24212      | 1027.2462 ng/ml |
| Dextromethorphan    | 5.282 | 683350   | 31994.40    | 78.8  | 314.14     | 36775      | 977.4857 ng/ml  |
| Dextrophan          | 4.132 | 1278255  | 39574.77    | 220.9 | 743212.63  | 173075     | 1019.6619 ng/ml |
| Diazepam            | 5.953 | 2101724  | 107157.96   | 87.5  | 24663.16   | 114550     | 940.6015 ng/ml  |
| Dihydrocodeine      | 2.572 | 1338026  | 20260.72    | 60.9  | 2050.67    | 117271     | 739.8275 ng/ml  |
| Diphenhydramine     | 5.303 | 5184293  | 282194.82   | 29.5  | 18800.07   | 270932     | 1000.2723 ng/ml |
| Doxylamine          | 4.522 | 13486005 | 163164.63   | 98.3  | 229081.96  | 559186     | 1027.5810 ng/ml |
| EDDP                | 5.268 | 4733439  | 86963.11    | 42.7  | 29502.36   | 270841     | 1014.0263 ng/ml |
| Etizolam            | 5.813 | 1358212  | 15190.11    | 28.0  | 58186.21   | 44920      | 1038.5057 ng/ml |
| Fentanyl            | 5.082 | 62886    | 3547.23     | 78.1  | 140791.81  | 33547      | 123.0437 ng/ml  |
| Flualprazolam       | 5.698 | 776080   | 21538.47    | 109.6 | 57925.65   | 98960      | 909.1004 ng/ml  |
| Fluoxetine          | 5.721 | 220764   | 12273.47    | 7.8   | 89782.70   | 7716       | 1001.9293 ng/ml |
| Hydrocodone         | 3.032 | 1957475  | 3205.40     | 32.4  | 587.86     | 140070     | 875.6497 ng/ml  |
| Hydromorphone       | 1.628 | 1758864  | 11832319.58 | 74.6  | 5595111.35 | 59680      | 990.3622 ng/ml  |
| Ketamine            | 4.044 | 4461539  | 103733.13   | 37.8  | 128169.16  | 213403     | 921.6539 ng/ml  |
| Lamotrigine         | 4.287 | 254491   | 636.78      | 82.4  | 62537.15   | 213403     | 574.7418 ng/ml  |
| Levetiracetam       | 2.663 | 1684069  | 2793.71     | 146.9 | 16850.54   | 389813     | 996.5981 ng/ml  |

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# AM #28 Multi-Drug Quant. Results

| Name                 | RT    | Resp.    | S/N       | Ratio | S/N       | ISTD Resp. | Final Conc.     |
|----------------------|-------|----------|-----------|-------|-----------|------------|-----------------|
| Lorazepam            | 5.740 | 878427   | 21358.62  | 48.3  | 3544.99   | 44920      | 319.4156 ng/ml  |
| MDA                  | 3.216 | 2980710  | 1157.26   | 27.0  | 829.27    | 114954     | 841.9450 ng/ml  |
| MDMA                 | 3.310 | 2928711  | 4089.89   | 92.9  | 1975.36   | 38212      | 960.9953 ng/ml  |
| Meprobamate          | 4.904 | 1070706  | 32740.76  | 24.5  | 229.12    | 101446     | 703.5140 ng/ml  |
| Methadone            | 5.666 | 2255582  | 35065.88  | 55.0  | 27385.63  | 97395      | 1041.8737 ng/ml |
| Methamphetamine      | 3.244 | 2555980  | 979.86    | 40.8  | 2424.82   | 154111     | 888.5924 ng/ml  |
| Metoprolol           | 4.340 | 852623   | 4486.69   | 89.1  | 81985.09  | 433071     | 863.0698 ng/ml  |
| Mirtazapine          | 4.583 | 5433999  | 3960.27   | 44.1  | 5906.90   | 227494     | 1151.8705 ng/ml |
| Mitragynine          | 5.210 | 400133   | 51389.69  | 34.8  | 4275.83   | 97395      | 955.7926 ng/ml  |
| Morphine             | 1.261 | 297263   | 827.69    | 20.6  | 4620.91   | 5275       | 939.6998 ng/ml  |
| Norbuprenorphine     | 5.006 | 3619     | 5265.92   | 87.2  | 2278.58   | 2041       | 101.8845 ng/ml  |
| Nordiazepam          | 5.893 | 1514954  | 303820.38 | 60.2  | 729.56    | 56036      | 934.1288 ng/ml  |
| Norfentanyl          | 4.093 | 1138622  | 366.83    | 32.6  | 15350.52  | 505315     | 101.9087 ng/ml  |
| Norhydrocodone       | 3.086 | 228855   | 235.02    | 39.0  | 146.39    | 20265      | 1355.1143 ng/ml |
| Noroxycodone         | 2.936 | 1197547  | ∞         | 49.1  | 856.88    | 39777      | 923.5249 ng/ml  |
| O-desmethyl-tramadol | 3.389 | 10044006 | 228796.12 | 6.7   | 7654.70   | 553970     | 1025.0877 ng/ml |
| Oxazepam             | 5.749 | 1171172  | 14535.06  | 76.3  | 6058.46   | 68519      | 875.3399 ng/ml  |
| Oxycodone            | 2.854 | 4072089  | ∞         | 29.7  | 3740.91   | 160430     | 928.3940 ng/ml  |
| Oxymorphone          | 1.418 | 1285634  | 460.68    | 46.2  | 540.50    | 45386      | 925.8020 ng/ml  |
| Phentermine          | 3.797 | 961834   | 5735.20   | 6.2   | 4546.46   | 173325     | 839.1724 ng/ml  |
| Promethazine         | 5.545 | 904427   | 2027.31   | 32.5  | 838.35    | 40943      | 1003.2374 ng/ml |
| Pseudoephedrine      | 2.616 | 8510515  | 179092.07 | 15.8  | 1220.92   | 389813     | 1025.8489 ng/ml |
| Quetiapine           | 5.514 | 4327842  | 158540.96 | 58.8  | 2022.50   | 62484      | 932.5135 ng/ml  |
| Sertraline           | 5.789 | 74311    | 701.83    | 97.8  | 608.66    | 3326       | 963.9205 ng/ml  |
| Temazepam            | 5.823 | 2914167  | 88051.04  | 28.4  | 9444.79   | 175711     | 968.8146 ng/ml  |
| Tramadol             | 4.252 | 7900752  | 2187.19   | 3.8   | 660.27    | 433071     | 931.7962 ng/ml  |
| Trazodone            | 5.007 | 3931770  | 95184.05  | 77.9  | 162963.40 | 150960     | 971.8769 ng/ml  |
| Venlafaxine          | 5.050 | 7015965  | 1687.56   | 36.4  | 28052.45  | 346832     | 1038.4126 ng/ml |
| Zolpidem             | 4.792 | 10896374 | 30108.95  | 28.1  | 11741.45  | 560639     | 934.3029 ng/ml  |