











REVIEWED
By Tamara Salazar at 1:14 pm, Jun 28, 2021



6/22/2021

Worklist: 5062

| <u>LAB CASE</u> | <u>ITEM</u> | <u>ITEM TYPE</u> | <u>DESCRIPTION</u> | |
|-----------------|-------------|------------------|--|--|
| M2021-2240 | 3 | UCK | AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ |  |
| M2021-2241 | 3 | UCK | AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ |  |
| M2021-2266 | 2 | UCK | AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ |  |
| M2021-2350 | 5 | UCK | AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ |  |
| M2021-2516 | 3 | UCK | AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ |  |
| P2021-1726 | 1 | UCK | AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ |  |
| P2021-1762 | 1 | UCK | AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ |  |
| P2021-1860 | 1 | UCK | AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ |  |
| P2021-1861 | 3 | UCK | AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ |  |
| P2021-1983 | 1 | UCK | AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ |  |

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

Extraction Date: 6/16/2021

Analyst: Amber Gerheart

Plate lot#: 201207

Plate Retest Date: 6/7/2021

Mobile phase A: 5mM Amm Form + 0.01% FA **Mobile phase B:** 0.01% Formic Acid in MeOH

Blank Blood Lot: 20L20723

Blank Urine Lot: POC031319

Column: Agilent 120 EC-C18 (2.1x 100-2.7um) **LCMS-QQQ ID:** 069901

Pre-Analytic:

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

Analytic:

- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. Urine hydrolysis pipette 250 ul urine in blank well, add 40 ul BG Turbo, add 100 ul 500 mm sodium phosphate buffer, mix for at least 5 minutes at ambient temperature. Pipette **250µL blood (calibrated pipette) or 250µL hydrolyzed urine** in wells of analytical (standards) plate. **Pipette ID: 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 R² values ≥0.98 for each analyte.
- 4. For unknown samples and controls: response ratio within 20% of average of controls and standards, RT within +/- 5% (tramadol RT +/-2%), S/N for primary transition >10 and secondary transitions >5.
- 5. Did all QCs pass for each analyte? Yes, see comments Add Control data to QC tracking spreadsheet.
- 6. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports.

COMMENTS: *Calibration Curve Range:* alpha-hydroxyalprazolam 5-250 ng/mL, codeine 5-500 ng/mL, dihydrocodeine 5-500 ng/mL, lamotrigine 5-500 ng/mL, levetiracetam 5-500 ng/mL, lorazepam 5-100 ng/mL, meprobamate 5-250 ng/mL, mitragynine 5-500 ng/mL, norbuprenorphine 2.5-100 ng/mL, sertraline 10-1000 ng/mL

Plate re-tested using external controls as per the analytical method.

Analytical Plate Map

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|-------------|----------------|--------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| A | IS + Cal. 1 | IS + QC_1 | Urine External P2021-1860-1 | | IS + Cal. 1 | IS + QC_1 | IS + Sample | IS + Sample | IS + Sample | IS + Sample | IS + Sample | IS + Cal. 8 |
| B | IS + Cal. 2 | IS + QC_2 | M2021-2240-3 P2021-1861-3 | | IS + Cal. 2 | IS + QC_2 | IS + Sample | IS + Sample | IS + Sample | IS + Sample | IS + Sample | IS + Cal. 7 |
| C | IS + Cal. 3 | IS + QC_3 | M2021-2241-3 P2021-1983-1 | | IS + Cal. 3 | IS + QC_3 | IS + Sample | IS + Sample | IS + Sample | IS + Sample | IS + Sample | IS + Cal. 6 |
| D | IS + Cal. 4 | IS + QC_4 | M2021-2266-2 | IS + Sample | IS + Cal. 4 | IS + QC_4 | IS + Sample | IS + Sample | IS + Sample | IS + Sample | IS + QC_2 | IS + Cal. 5 |
| E | IS + Cal. 5 | IS + QC_2 | M2021-2350-5 | IS + Sample | IS + Cal. 5 | IS + QC_2 | IS + Sample | IS + Sample | IS + Sample | IS + Sample | IS + QC_4 | IS + Cal. 4 |
| F | IS + Cal. 6 | Negative Blood | M2021-2516-3 | IS + Sample | IS + Cal. 6 | IS + Sample | IS + Sample | IS + Sample | IS + Sample | IS + Sample | IS + QC_3 | IS + Cal. 3 |
| G | IS + Cal. 7 | Blood External | P2021-1726-1 | IS + Sample | IS + Cal. 7 | IS + Sample | IS + Sample | IS + Sample | IS + Sample | IS + Sample | IS + QC_2 | IS + Cal. 2 |
| H | IS + Cal. 8 | Negative Urine | P2021-1762-1 | IS + Sample | IS + Cal. 8 | IS + Sample | IS + Sample | IS + Sample | IS + Sample | IS + Sample | IS + QC_1 | IS + Cal. 1 |

All wells to contain 60 µl of Trapping Solution

SLE and Sample Plate Map

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|-------------|----------------|--------------------------------|--------------|-------------|----------------|--------------|---|---|----|----|----|
| A | IS + Cal. 1 | IS + QC_1 | Urine External P2021-1860-1 | P2021-1860-1 | IS + Cal. 1 | IS + QC_1 | P2021-1726-1 | | | | | |
| B | IS + Cal. 2 | IS + QC_2 | M2021-2240-3 P2021-1861-3 | P2021-1861-3 | IS + Cal. 2 | IS + QC_2 | P2021-1861-3 | | | | | |
| C | IS + Cal. 3 | IS + QC_3 | M2021-2241-3 P2021-1983-1 | P2021-1983-1 | IS + Cal. 3 | IS + QC_3 | | | | | | |
| D | IS + Cal. 4 | IS + QC_4 | M2021-2266-2 | | IS + Cal. 4 | IS + QC_4 | | | | | | |
| E | IS + Cal. 5 | IS + QC_2 | M2021-2350-5 | | IS + Cal. 5 | Negative Blood | | | | | | |
| F | IS + Cal. 6 | Negative Blood | M2021-2516-3 | | IS + Cal. 6 | Blood External | | | | | | |
| G | IS + Cal. 7 | Blood External | P2021-1726-1 | | IS + Cal. 7 | Negative Urine | | | | | | |
| H | IS + Cal. 8 | Negative Urine | P2021-1762-1 | | IS + Cal. 8 | Urine External | | | | | | |

All wells to contain 60 µl of Trapping Solution

AG

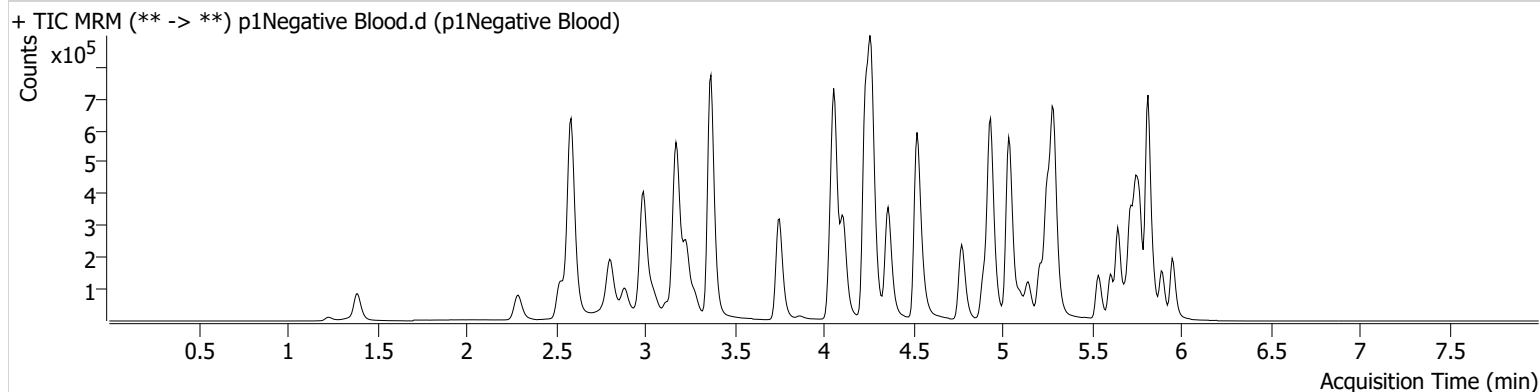


AM #28 Multi-Drug Quant. Results

Batch results C:\Users\agerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Calibration Last Update 6/28/2021 7:43:16 AM

| | | | |
|-------------------------|-----------------------|------------------|--------------------|
| Instrument | Falco (069901) | Data File | p1Negative Blood.d |
| Type | Sample | Sample | p1Negative Blood |
| Acq. Method | AM 28 MDQ P1.m | Operator | Amber Gerheart |
| Sample Position | P2-F2 | Comment | |
| Injection Volume | 2 | | |
| Acq. Date-Time | 6/16/2021 11:48:07 PM | | |
| Sample Info. | | | |

Sample Chromatogram



AK



Idaho State Police Forensic Services

AM #25 Blood Multi-Drug Screen by LCMS-QQQ And AM #28 Blood Multi-Drug Confirmatory Analysis by LCMS-QQQ---Panel 1

Methanol External Control Solution (Lot: 120320)

100 μ L of 1mg/mL stock was added to each drug to 9700 μ L of LC MeOH.

| <i>Component</i> | <i>Source</i> | <i>Source Lot Number</i> | <i>Expiration Date</i> |
|----------------------|---------------|--------------------------|------------------------|
| Methanol (LCMS) | Fisher | 197468 | |
| O-desmethyl Tramadol | Cerilliant | FN01241702 | 04/30/2022 |
| Amphetamine | Cerilliant | FE04061701 | 06/30/2022 |
| Alprazolam | Cerilliant | FE07061604 | 07/31/2021 |
| Prepared: | 12/03/2020 | | |
| Prepared By: | Celena Shrum | | |
| Expires: | 07/31/2021 | | |

Blood External Control Solution (Lot: WS060421)

100 μ L of methanol external control solution was added to 9900 μ L of blood.

Approximately 100 ng/mL of each compound.

| <i>Component</i> | <i>Source</i> | <i>Source Lot Number</i> |
|------------------------------------|---------------|--------------------------|
| Negative Blood | Lampire | 20L20723 |
| Methanol External Control Solution | | 120320 |
| Prepared: | 06/04/2021 | |
| Prepared by: | Celena Shrum | |
| Expires: | 07/31/2021 | |

AG

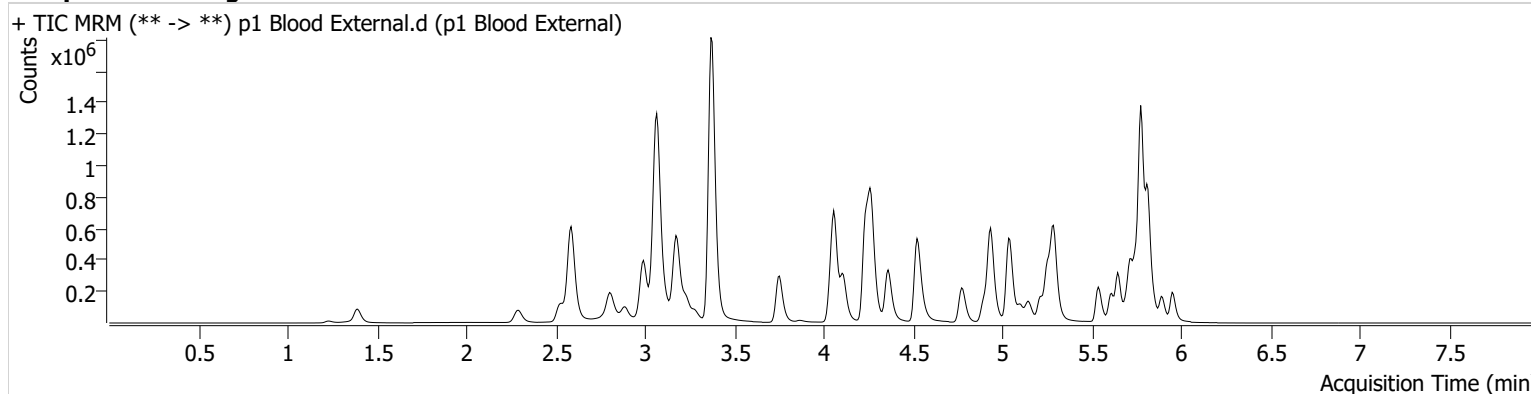


AM #28 Multi-Drug Quant. Results

Batch results C:\Users\agerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Calibration Last Update 6/28/2021 7:43:16 AM

| | | | |
|-------------------------|-----------------------|------------------|---------------------|
| Instrument | Falco (069901) | Data File | p1 Blood External.d |
| Type | Sample | Sample | p1 Blood External |
| Acq. Method | AM 28 MDQ P1.m | Operator | Amber Gerheart |
| Sample Position | P2-G2 | Comment | |
| Injection Volume | 2 | | |
| Acq. Date-Time | 6/17/2021 12:09:19 AM | | |
| Sample Info. | | | |

Sample Chromatogram



| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|----------------------|-------|---------|----------|-------|---------|------------|---------------|
| Alprazolam | 5.775 | 1148828 | 1618.08 | 112.4 | 2677.54 | 486815 | 83.8384 ng/ml |
| Amphetamine | 3.069 | 2775228 | 3770.37 | 48.8 | 1695.40 | 388562 | 88.2801 ng/ml |
| O-desmethyl-tramadol | 3.376 | 2834724 | 32105.80 | 6.7 | 719.08 | 1972958 | 84.5081 ng/ml |

AG

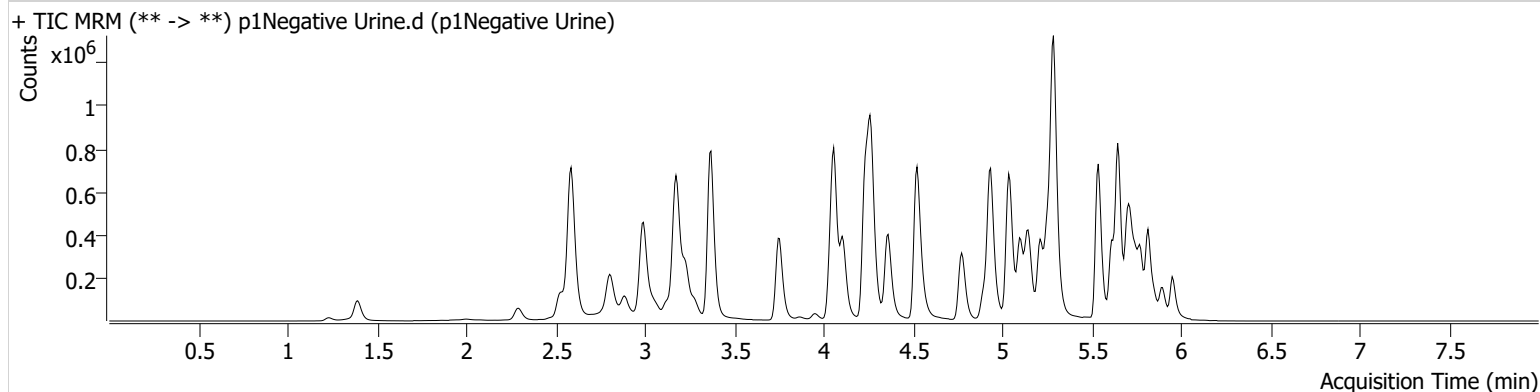


AM #28 Multi-Drug Quant. Results

Batch results C:\Users\agerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Calibration Last Update 6/28/2021 7:43:16 AM

| | | | |
|-------------------------|-----------------------|------------------|--------------------|
| Instrument | Falco (069901) | Data File | p1Negative Urine.d |
| Type | Sample | Sample | p1Negative Urine |
| Acq. Method | AM 28 MDQ P1.m | Operator | Amber Gerheart |
| Sample Position | P2-H2 | Comment | |
| Injection Volume | 2 | | |
| Acq. Date-Time | 6/17/2021 12:30:33 AM | | |
| Sample Info. | | | |

Sample Chromatogram



AK



Idaho State Police Forensic Services

AM #25 Urine Multi-Drug Screen by LCMS-QQQ And AM #28 Urine Multi-Drug Confirmatory Analysis by LCMS-QQQ---Panel 1

Methanol External Control Solution (Lot: 120320)

100 μ L of 1mg/mL stock was added to each drug to 9700 μ L of LC MeOH.

| <i>Component</i> | <i>Source</i> | <i>Source Lot Number</i> | <i>Expiration Date</i> |
|----------------------|---------------|--------------------------|------------------------|
| Methanol (LCMS) | Fisher | 197468 | |
| O-desmethyl Tramadol | Cerilliant | FN01241702 | 04/30/2022 |
| Amphetamine | Cerilliant | FE04061701 | 06/30/2022 |
| Alprazolam | Cerilliant | FE07061604 | 07/31/2021 |
| Prepared: | 12/03/2020 | | |
| Prepared By: | Celena Shrum | | |
| Expires: | 07/31/2021 | | |

Urine External Control Solution (Lot: WS061521)

100 μ L of methanol external control solution was added to 9900 μ L of urine.

| <i>Component</i> | <i>Source</i> | <i>Source Lot Number</i> |
|------------------------------------|----------------|--------------------------|
| Negative Urine | Pocatello Lab | POC031319 |
| Methanol External Control Solution | | 120320 |
| Prepared: | 06/15/2021 | |
| Prepared by: | Amber Gerheart | |
| Expires: | 07/31/2021 | |

AG

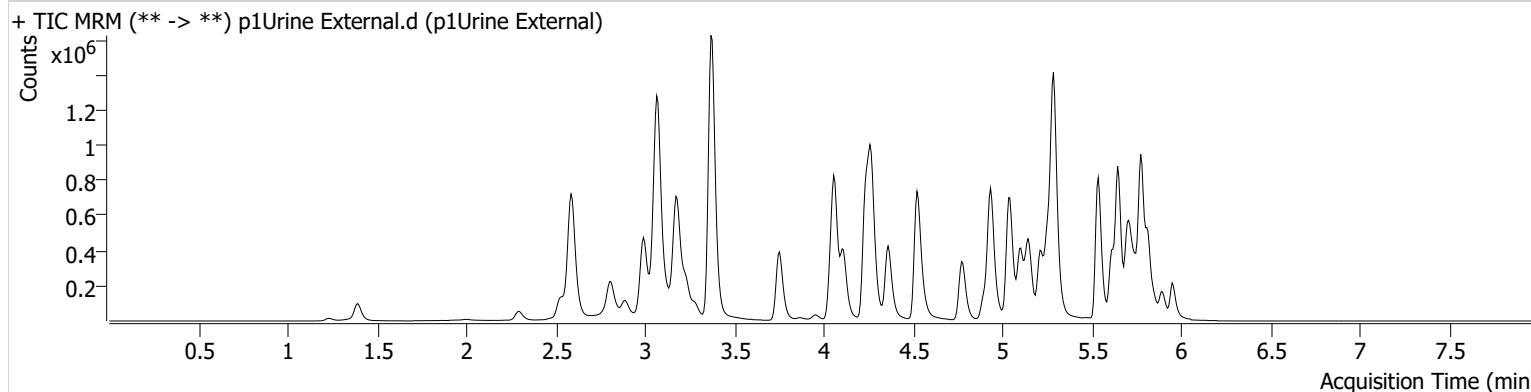


AM #28 Multi-Drug Quant. Results

Batch results C:\Users\agerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Calibration Last Update 6/28/2021 7:43:16 AM

| | | | |
|-------------------------|-----------------------|------------------|--------------------|
| Instrument | Falco (069901) | Data File | p1Urine External.d |
| Type | Sample | Sample | p1Urine External |
| Acq. Method | AM 28 MDQ P1.m | Operator | Amber Gerheart |
| Sample Position | P2-A3 | Comment | |
| Injection Volume | 2 | | |
| Acq. Date-Time | 6/17/2021 12:51:47 AM | | |
| Sample Info. | | | |

Sample Chromatogram



| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|----------------------|-------|---------|---------|-------|---------|------------|---------------|
| Alprazolam | 5.775 | 677911 | 1022.03 | 115.2 | 2668.31 | 384520 | 62.7046 ng/ml |
| Amphetamine | 3.069 | 2634768 | 1072.69 | 49.2 | 710.00 | 510136 | 63.4947 ng/ml |
| O-desmethyl-tramadol | 3.376 | 2233466 | 1157.47 | 6.7 | 1883.03 | 2116492 | 62.1487 ng/ml |

AK

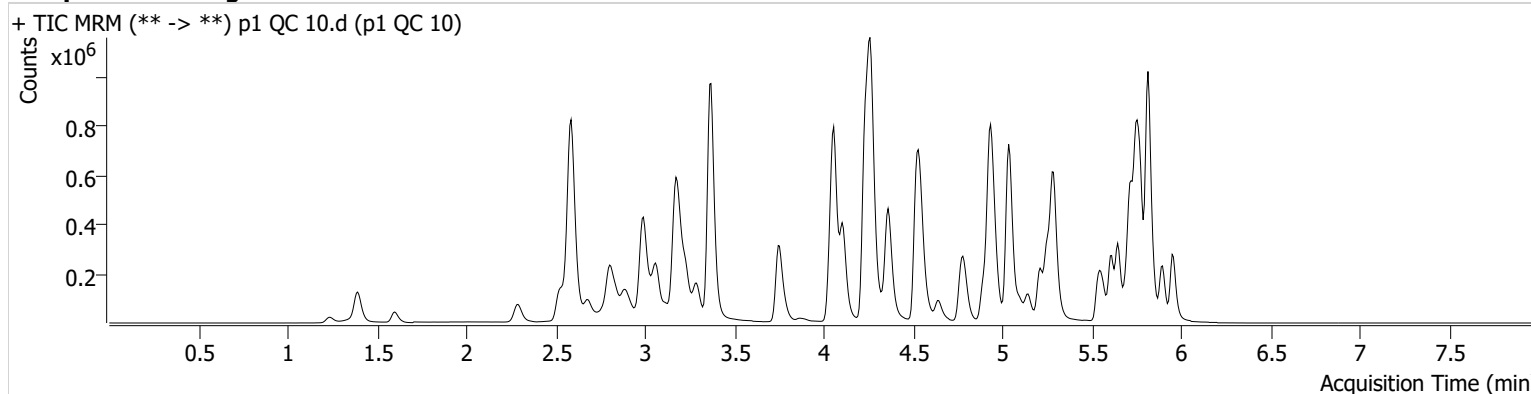


AM #28 Multi-Drug Quant. Results

Batch results C:\Users\agerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Calibration Last Update 6/28/2021 7:43:16 AM

| | | | |
|-------------------------|-----------------------|------------------|----------------|
| Instrument | Falco (069901) | Data File | p1 QC 10.d |
| Type | QC | Sample | p1 QC 10 |
| Acq. Method | AM 28 MDQ P1.m | Operator | Amber Gerheart |
| Sample Position | P2-A2 | Comment | |
| Injection Volume | 2 | | |
| Acq. Date-Time | 6/16/2021 10:12:35 PM | | |

Sample Chromatogram



| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|---------------------|-------|--------|-----------|-------|------------|------------|---------------|
| 6-MAM | 3.131 | 4552 | 234.97 | 70.4 | 367.63 | 114032 | 1.0161 ng/ml |
| 7-aminoclonazepam | 4.278 | 71099 | 269.14 | 78.5 | 136.81 | 276341 | 9.6488 ng/ml |
| a-hydroxyalprazolam | 5.699 | 51582 | 1036.51 | 56.8 | 147.13 | 564283 | 10.4865 ng/ml |
| alpha-PHP | 4.937 | 47166 | 985.44 | 270.6 | 955.08 | 926766 | 9.9260 ng/ml |
| alpha-PVP | 4.370 | 204196 | 315.25 | 52.8 | 248.84 | 926766 | 9.8094 ng/ml |
| Alprazolam | 5.775 | 155622 | 862.33 | 111.6 | 995.30 | 564283 | 10.0467 ng/ml |
| Amphetamine | 3.069 | 357368 | 1434.60 | 48.8 | 381.81 | 388161 | 10.2990 ng/ml |
| Benzoylecgonine | 3.892 | 6192 | 70.25 | 7.0 | 1379.83 | 23674 | 9.8673 ng/ml |
| Buprenorphine | 5.914 | 2090 | 79.54 | 16.5 | 1280.49 | 80392 | 0.9834 ng/ml |
| Bupropion | 4.795 | 164321 | 6605.62 | 61.7 | 395.12 | 601750 | 9.7859 ng/ml |
| Carisoprodol | 5.730 | 146351 | 528.92 | 57.9 | 147.24 | 755008 | 9.6054 ng/ml |
| Citalopram | 5.212 | 72026 | 594.16 | 41.2 | 1882226.29 | 349199 | 9.5420 ng/ml |
| Clonazepam | 5.612 | 176038 | 1774.99 | 31.5 | 153.89 | 207038 | 10.2510 ng/ml |
| Clonazepam | 5.555 | 113287 | 8085.98 | 39.3 | 6175.29 | 207038 | 9.7921 ng/ml |
| Cocaine | 4.264 | 174092 | 1098.10 | 52.4 | 1808.20 | 1674443 | 9.7564 ng/ml |
| Codeine | 2.580 | 21981 | 67.82 | 104.0 | 1013.63 | 109395 | 10.0458 ng/ml |
| Cyclobenzaprine | 5.615 | 22936 | 33071.77 | 10.0 | 39.13 | 97324 | 10.2070 ng/ml |
| Dextromethorphan | 5.262 | 33538 | 342571.93 | 80.2 | 356.49 | 164365 | 9.5281 ng/ml |
| Dextrophan | 4.111 | 56663 | 2543.59 | 206.6 | 2159.71 | 690784 | 9.9870 ng/ml |
| Diazepam | 5.960 | 91353 | 265.77 | 88.5 | 2560.54 | 432783 | 9.8597 ng/ml |
| Dihydrocodeine | 2.559 | 55325 | 1775.06 | 65.0 | 95.79 | 327585 | 10.2687 ng/ml |
| Diphenhydramine | 5.289 | 182725 | 317.63 | 33.4 | 341.74 | 1143003 | 9.6003 ng/ml |
| Doxylamine | 4.543 | 387121 | 2009.23 | 98.1 | 2415.64 | 1713337 | 9.9894 ng/ml |
| EDDP | 5.254 | 76790 | 526.64 | 40.3 | 568.88 | 428825 | 9.7095 ng/ml |
| Etizolam | 5.820 | 96355 | 225373.47 | 25.8 | 79834.94 | 207038 | 10.7162 ng/ml |
| Fentanyl | 5.109 | 3008 | 63.21 | 70.7 | 3271.22 | 158270 | 0.9260 ng/ml |
| Flualprazolam | 5.705 | 73284 | 1269.84 | 94.6 | 2331.31 | 564283 | 10.0661 ng/ml |
| Fluoxetine | 5.707 | 22893 | 72224.15 | 7.7 | 120.05 | 87744 | 10.9084 ng/ml |
| Hydrocodone | 3.018 | 78817 | 939.28 | 40.5 | 83.53 | 986435 | 9.7631 ng/ml |
| Hydromorphone | 1.601 | 75015 | 2652.96 | 77.1 | 1511.72 | 11479 | 10.7267 ng/ml |
| Ketamine | 4.059 | 158995 | 4275.73 | 36.5 | 281.47 | 778689 | 9.6336 ng/ml |
| Lamotrigine | 4.280 | 14693 | 577.12 | 75.3 | 244.93 | 778689 | 10.1141 ng/ml |
| Levetiracetam | 2.683 | 68454 | 125.39 | 166.4 | 352.07 | 2049309 | 9.6540 ng/ml |

AK



AM #28 Multi-Drug Quant. Results

| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|----------------------|-------|--------|----------|----------|----------|------------|---------------|
| Lorazepam | 5.747 | 173948 | 926.99 | 56.7 | 319.89 | 207038 | 10.3623 ng/ml |
| MDA | 3.203 | 239506 | 1075.86 | 26.5 | 60.74 | 631513 | 10.2032 ng/ml |
| MDMA | 3.296 | 147893 | 373.33 | 78.9 | 893.08 | 141736 | 10.0949 ng/ml |
| Meprobamate | 4.924 | 86049 | 6445.99 | 28.1 | 164.01 | 414641 | 9.8016 ng/ml |
| Methadone | 5.653 | 101187 | 789.35 | 47.9 | 142.88 | 478549 | 9.8262 ng/ml |
| Methamphetamine | 3.231 | 296726 | 69.52 | 39.4 | 281.79 | 1058268 | 10.3544 ng/ml |
| Metoprolol | 4.326 | 39549 | 30149.67 | 92.2 | 1109.83 | 1894086 | 10.0819 ng/ml |
| Mirtazapine | 4.644 | 131529 | 4360.18 | 51.7 | 1311.87 | 926766 | 9.1117 ng/ml |
| Mitragynine | 5.243 | 13931 | 359.17 | 41.7 | 15178.24 | 478549 | 9.8135 ng/ml |
| Morphine | 1.240 | 11079 | 568.69 | 34.5 | 187.07 | 11479 | 10.2279 ng/ml |
| * Norbuprenorphine | 4.992 | 302 | 253.82 | 78.5 Low | 213.56 | 12306 | 1.2500 ng/ml |
| Nordiazepam | 5.900 | 94254 | 1938.81 | 56.0 | 950.74 | 330995 | 9.5173 ng/ml |
| Norfentanyl | 4.086 | 31377 | 346.60 | 34.0 | 61.92 | 1405421 | 0.9540 ng/ml |
| Norhydrocodone | 3.059 | 12865 | 82.16 | 39.6 | 56.36 | 124194 | 9.5508 ng/ml |
| Noroxycodone | 2.909 | 90591 | 1241.87 | 42.4 | 423.14 | 313662 | 10.0731 ng/ml |
| O-desmethyl-tramadol | 3.369 | 355851 | 6459.21 | 6.9 | 176.08 | 2253669 | 9.5575 ng/ml |
| Oxazepam | 5.756 | 199804 | 178.80 | 71.7 | 586.38 | 796802 | 10.0028 ng/ml |
| Oxycodone | 2.834 | 166423 | 594.78 | 26.9 | 555.90 | 752129 | 9.6931 ng/ml |
| Oxymorphone | 1.398 | 85280 | 157.03 | 43.1 | 198.93 | 301259 | 10.2646 ng/ml |
| Phentermine | 3.783 | 74879 | 557.31 | 4.4 | 33.48 | 873138 | 10.2939 ng/ml |
| Promethazine | 5.538 | 53696 | 613.16 | 28.9 | 258.35 | 223876 | 10.2142 ng/ml |
| Pseudoephedrine | 2.596 | 411815 | 667.71 | 16.6 | 5550.39 | 2049309 | 9.6183 ng/ml |
| Quetiapine | 5.569 | 90263 | 505.08 | 57.2 | 668.80 | 119846 | 10.0827 ng/ml |
| Sertraline | 5.776 | 10854 | 151.60 | 98.2 | 41.04 | 45976 | 12.6129 ng/ml |
| Temazepam | 5.823 | 331762 | 274.65 | 28.8 | 60.25 | 1663682 | 9.7563 ng/ml |
| Tramadol | 4.246 | 374769 | 726.75 | 3.8 | 368.27 | 1894086 | 9.8989 ng/ml |
| Trazodone | 5.203 | 62862 | 504.21 | 83.3 | 1962.02 | 269725 | 9.8253 ng/ml |
| Venlafaxine | 5.037 | 291355 | 406.20 | 38.0 | 213.67 | 1541629 | 9.6514 ng/ml |
| Zolpidem | 4.955 | 344516 | 2056.71 | 32.0 | 143.89 | 1753013 | 9.5671 ng/ml |

* Outside curve range

AK

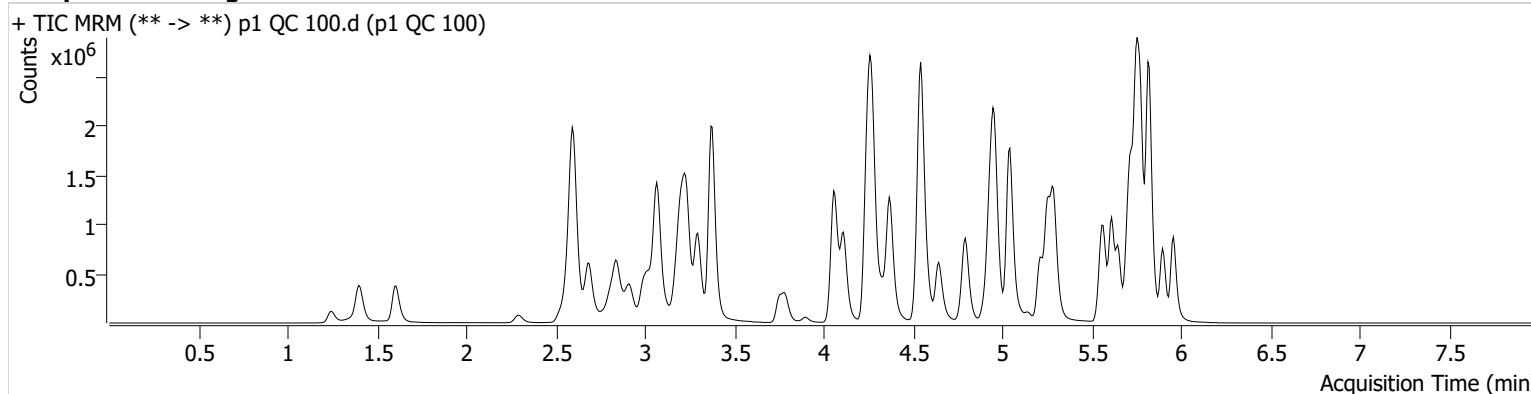


AM #28 Multi-Drug Quant. Results

Batch results C:\Users\agerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Calibration Last Update 6/28/2021 7:43:16 AM

| | | | |
|-------------------------|----------------------|------------------|----------------|
| Instrument | Falco (069901) | Data File | p1 QC 100.d |
| Type | QC | Sample | p1 QC 100 |
| Acq. Method | AM 28 MDQ P1.m | Operator | Amber Gerheart |
| Sample Position | P2-B2 | Comment | |
| Injection Volume | 2 | | |
| Acq. Date-Time | 6/17/2021 4:45:11 AM | | |

Sample Chromatogram



| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|---------------------|-------|---------|------------|-------|------------|------------|----------------|
| 6-MAM | 3.131 | 41075 | 823.71 | 68.1 | 66174.34 | 101801 | 10.5142 ng/ml |
| 7-aminoclonazepam | 4.278 | 630839 | 1447.23 | 79.4 | 10479.17 | 231093 | 101.8460 ng/ml |
| a-hydroxyalprazolam | 5.699 | 414989 | 501.89 | 58.2 | 1470.81 | 471019 | 106.1044 ng/ml |
| alpha-PHP | 4.937 | 384190 | 839.33 | 266.2 | 21109.33 | 754321 | 104.8822 ng/ml |
| alpha-PVP | 4.376 | 1747369 | 2752.50 | 52.7 | 560.67 | 754321 | 100.0920 ng/ml |
| Alprazolam | 5.775 | 1348878 | 5439.99 | 113.8 | 1398.45 | 471019 | 101.6783 ng/ml |
| Amphetamine | 3.069 | 2791506 | 10710.33 | 48.3 | 16431.62 | 316641 | 109.2578 ng/ml |
| Benzoylecgonine | 3.899 | 58144 | 1615.28 | 8.0 | 199.13 | 20473 | 108.3718 ng/ml |
| Buprenorphine | 5.914 | 13456 | 428.13 | 15.4 | 3027.48 | 51225 | 9.8281 ng/ml |
| Bupropion | 4.795 | 1321402 | 41641.81 | 61.0 | 480.52 | 460498 | 102.0686 ng/ml |
| Carisoprodol | 5.730 | 1242040 | 6124701.17 | 57.1 | 5089.02 | 595783 | 100.3995 ng/ml |
| Citalopram | 5.219 | 534202 | 6065.72 | 42.3 | 1736671.30 | 246989 | 98.3549 ng/ml |
| Clonazepam | 5.612 | 1522795 | 21598.70 | 31.9 | 622082.23 | 175450 | 106.5126 ng/ml |
| Clonazepam | 5.555 | 1048075 | 34339.19 | 37.4 | 537565.95 | 175450 | 107.0009 ng/ml |
| Cocaine | 4.264 | 1505953 | 307608.91 | 51.8 | 19417.24 | 1367187 | 101.7344 ng/ml |
| Codeine | 2.580 | 189530 | 12094.74 | 100.2 | 10376.57 | 93738 | 105.8725 ng/ml |
| Cyclobenzaprine | 5.622 | 85501 | 1043.41 | 8.8 | 34.43 | 34422 | 103.3774 ng/ml |
| Dextromethorphan | 5.262 | 223742 | ∞ | 80.1 | 7593.63 | 105529 | 99.7829 ng/ml |
| Dextrophan | 4.111 | 489478 | 16033.77 | 205.7 | 1185.87 | 565925 | 101.9873 ng/ml |
| Diazepam | 5.960 | 829539 | 7027.10 | 87.8 | 7967.14 | 372518 | 102.2551 ng/ml |
| Dihydrocodeine | 2.559 | 504064 | 66530.95 | 65.4 | 479.48 | 293536 | 108.1803 ng/ml |
| Diphenhydramine | 5.289 | 1387689 | 22890.06 | 33.3 | 6571.65 | 824944 | 97.5193 ng/ml |
| Doxylamine | 4.543 | 3529412 | 16482.52 | 96.3 | 143616.77 | 1472766 | 104.4481 ng/ml |
| EDDP | 5.254 | 1271084 | 464.45 | 42.3 | 212629.95 | 643120 | 101.1359 ng/ml |
| Etizolam | 5.813 | 832393 | 2940.52 | 24.7 | 334363.77 | 175450 | 90.7936 ng/ml |
| Fentanyl | 5.116 | 16835 | 110.84 | 68.9 | 14904.26 | 81631 | 9.8900 ng/ml |
| Flualprazolam | 5.705 | 633485 | 8492.90 | 97.8 | 13127.99 | 471019 | 105.6858 ng/ml |
| Fluoxetine | 5.707 | 43934 | 223.71 | 8.8 | 851.39 | 18650 | 96.5455 ng/ml |
| Hydrocodone | 3.018 | 717126 | 1092.83 | 39.0 | 832.89 | 870255 | 104.9360 ng/ml |
| Hydromorphone | 1.608 | 673160 | 2142.88 | 77.5 | 688888.26 | 10609 | 105.2855 ng/ml |
| Ketamine | 4.059 | 1395081 | 17797.51 | 36.9 | 5166.50 | 647476 | 103.5098 ng/ml |
| Lamotrigine | 4.287 | 124741 | 6732.27 | 81.9 | 2705.61 | 647476 | 111.0650 ng/ml |
| Levetiracetam | 2.690 | 627550 | 1816.78 | 166.0 | 7920.78 | 1708760 | 100.5545 ng/ml |

AK



AM #28 Multi-Drug Quant. Results

| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|----------------------|-------|---------|-----------|-------|-----------|------------|----------------|
| Lorazepam | 5.747 | 1262872 | 4324.21 | 56.0 | 1707.90 | 175450 | 91.5304 ng/ml |
| MDA | 3.203 | 1868198 | 4223.57 | 25.0 | 357.93 | 503900 | 106.7095 ng/ml |
| MDMA | 3.296 | 1254424 | 206688.39 | 80.5 | 4488.10 | 114832 | 103.9900 ng/ml |
| Meprobamate | 4.924 | 749937 | 20096.89 | 27.6 | 25489.60 | 360830 | 104.4181 ng/ml |
| Methadone | 5.653 | 702892 | 277.60 | 47.0 | 1400.67 | 324457 | 98.1067 ng/ml |
| Methamphetamine | 3.238 | 2294679 | 1272.25 | 37.2 | 937.69 | 871021 | 108.7558 ng/ml |
| Metoprolol | 4.326 | 338694 | 2653.11 | 90.9 | 1673.81 | 1627364 | 102.5121 ng/ml |
| Mirtazapine | 4.644 | 1041625 | 4235.17 | 49.8 | 4247.62 | 754321 | 88.9627 ng/ml |
| Mitragynine | 5.243 | 90184 | 751.91 | 40.7 | 27176.12 | 324457 | 92.5951 ng/ml |
| Morphine | 1.247 | 103210 | 1183.48 | 32.1 | 635.09 | 10609 | 101.6958 ng/ml |
| Norbuprenorphine | 4.992 | 1698 | 554.73 | 107.9 | 1134.16 | 8299 | 9.3205 ng/ml |
| Nordiazepam | 5.900 | 850823 | 3058.14 | 56.9 | 82976.45 | 275710 | 104.0846 ng/ml |
| Norfentanyl | 4.086 | 290934 | 439.72 | 33.9 | 415.41 | 1239202 | 9.4677 ng/ml |
| Norhydrocodone | 3.066 | 102310 | 180.01 | 38.6 | 102.93 | 89464 | 100.3213 ng/ml |
| Noroxycodone | 2.909 | 782142 | 3117.54 | 42.5 | 3534.48 | 262382 | 104.3119 ng/ml |
| O-desmethyl-tramadol | 3.376 | 3304771 | 54497.07 | 6.8 | 6311.11 | 1944309 | 99.9172 ng/ml |
| Oxazepam | 5.756 | 1537139 | 283.68 | 74.6 | 995.30 | 579144 | 106.9237 ng/ml |
| Oxycodone | 2.841 | 1581308 | 985.38 | 27.1 | 580.76 | 662509 | 106.1567 ng/ml |
| Oxymorphone | 1.398 | 767596 | ∞ | 42.6 | 473.90 | 259758 | 109.5451 ng/ml |
| Phentermine | 3.790 | 613803 | 443.88 | 4.5 | 72.02 | 712676 | 111.1050 ng/ml |
| Promethazine | 5.538 | 193521 | 500.68 | 28.5 | 518.73 | 82349 | 100.3440 ng/ml |
| Pseudoephedrine | 2.603 | 3694275 | 22104.19 | 16.3 | 28569.96 | 1708760 | 98.1191 ng/ml |
| Quetiapine | 5.569 | 719706 | 229.36 | 57.7 | 560155.71 | 93934 | 101.4250 ng/ml |
| Sertraline | 5.776 | 13117 | 167.58 | 102.0 | 262.74 | 6318 | 93.8583 ng/ml |
| Temazepam | 5.823 | 2819606 | 43376.73 | 28.3 | 2166.44 | 1286212 | 102.6108 ng/ml |
| Tramadol | 4.246 | 3329790 | 69820.19 | 3.5 | 486.51 | 1627364 | 102.9120 ng/ml |
| Trazodone | 5.203 | 448488 | 608933.02 | 82.6 | 31383.34 | 184079 | 102.8843 ng/ml |
| Venlafaxine | 5.043 | 2574099 | 96562.04 | 38.1 | 1022.40 | 1256619 | 100.0314 ng/ml |
| Zolpidem | 4.955 | 3134145 | 144720.45 | 30.6 | 4218.50 | 1484516 | 102.1367 ng/ml |

AK

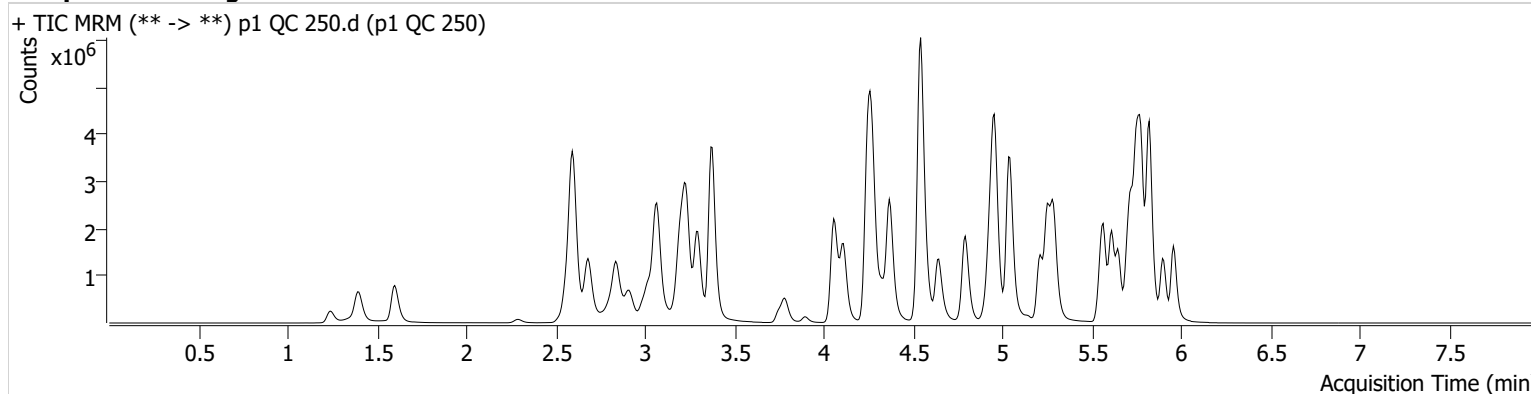


AM #28 Multi-Drug Quant. Results

Batch results C:\Users\agerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Calibration Last Update 6/28/2021 7:43:16 AM

| | | | |
|-------------------------|-----------------------|------------------|----------------|
| Instrument | Falco (069901) | Data File | p1 QC 250.d |
| Type | QC | Sample | p1 QC 250 |
| Acq. Method | AM 28 MDQ P1.m | Operator | Amber Gerheart |
| Sample Position | P2-C2 | Comment | |
| Injection Volume | 2 | | |
| Acq. Date-Time | 6/16/2021 10:33:48 PM | | |

Sample Chromatogram



| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|---------------------|-------|---------|------------|-------|------------|------------|----------------|
| 6-MAM | 3.131 | 96571 | 2248.11 | 69.2 | 203019.15 | 97379 | 25.8812 ng/ml |
| 7-aminoclonazepam | 4.278 | 1217194 | 783.62 | 76.5 | 9088.05 | 179607 | 252.7603 ng/ml |
| a-hydroxyalprazolam | 5.692 | 707763 | 1862.47 | 58.2 | 2947.16 | 399620 | 213.8815 ng/ml |
| alpha-PHP | 4.937 | 837498 | 4525.39 | 270.5 | 49363.63 | 704243 | 245.7128 ng/ml |
| alpha-PVP | 4.370 | 4075505 | 109944.66 | 52.2 | 956.51 | 704243 | 249.5728 ng/ml |
| Alprazolam | 5.775 | 2849822 | ∞ | 113.2 | 11386.67 | 399620 | 252.7805 ng/ml |
| Amphetamine | 3.069 | 5257063 | 1760.25 | 47.7 | 4767.55 | 266965 | 245.5755 ng/ml |
| Benzoylecgonine | 3.892 | 140652 | 1036.84 | 8.0 | 1210.90 | 21940 | 244.7752 ng/ml |
| Buprenorphine | 5.914 | 29749 | 603.64 | 13.9 | 7627.02 | 44469 | 25.0102 ng/ml |
| Bupropion | 4.795 | 3009698 | 65637.21 | 61.1 | 3974.75 | 434258 | 246.4104 ng/ml |
| Carisoprodol | 5.730 | 2273432 | 56171.46 | 54.6 | 13188.30 | 435359 | 251.0410 ng/ml |
| Citalopram | 5.212 | 1190183 | 755.14 | 41.8 | 6052.73 | 223687 | 241.6964 ng/ml |
| Clonazepam | 5.612 | 2971844 | 63070.10 | 32.0 | 39981.24 | 146641 | 248.9760 ng/ml |
| Clonazepam | 5.555 | 2098720 | 104499.62 | 37.8 | 10714.90 | 146641 | 256.3724 ng/ml |
| Cocaine | 4.264 | 3335365 | 28783.37 | 51.4 | 27958.36 | 1255410 | 245.1419 ng/ml |
| Codeine | 2.580 | 363116 | 618.68 | 100.3 | 401361.37 | 80946 | 235.5350 ng/ml |
| Cyclobenzaprine | 5.622 | 211967 | 392298.66 | 9.0 | 60.87 | 36312 | 242.3527 ng/ml |
| Dextromethorphan | 5.262 | 486895 | 14154.36 | 80.7 | 18430.59 | 93431 | 245.3790 ng/ml |
| Dextrophan | 4.111 | 1089904 | 113784.05 | 204.9 | 1477.28 | 513195 | 249.9189 ng/ml |
| Diazepam | 5.960 | 1784633 | 8715.43 | 86.7 | 489.33 | 336432 | 243.3278 ng/ml |
| Dihydrocodeine | 2.559 | 1083359 | 843.09 | 67.2 | 337.77 | 286786 | 238.4718 ng/ml |
| Diphenhydramine | 5.289 | 3109964 | 102251.64 | 33.0 | 569.75 | 757164 | 237.5861 ng/ml |
| Doxylamine | 4.543 | 8451647 | 84045.31 | 97.3 | 181368.09 | 1426395 | 258.0159 ng/ml |
| EDDP | 5.254 | 3026293 | 575.09 | 41.3 | 31213.22 | 603442 | 255.7011 ng/ml |
| Etizolam | 5.820 | 1743532 | 14553.90 | 25.1 | 1108158.94 | 146641 | 224.5163 ng/ml |
| Fentanyl | 5.116 | 41201 | 1199.24 | 67.7 | 235.47 | 81392 | 24.2516 ng/ml |
| Flualprazolam | 5.705 | 1252650 | 14432.62 | 100.9 | 10394.32 | 399620 | 246.5260 ng/ml |
| Fluoxetine | 5.707 | 108518 | 11279.43 | 8.6 | 33289.74 | 19281 | 230.3414 ng/ml |
| Hydrocodone | 3.018 | 1530466 | 557.88 | 39.5 | 163.80 | 805835 | 242.4487 ng/ml |
| Hydromorphone | 1.601 | 1451730 | 1852439.97 | 77.6 | 2626.76 | 9626 | 250.4112 ng/ml |
| Ketamine | 4.059 | 3167871 | 107630.85 | 36.8 | 1046.98 | 620097 | 245.6875 ng/ml |
| Lamotrigine | 4.287 | 254380 | 8379.16 | 81.4 | 1091.08 | 620097 | 237.4475 ng/ml |
| Levetiracetam | 2.683 | 1424633 | 12407.74 | 168.0 | 5239.01 | 1482795 | 262.1574 ng/ml |

AK



AM #28 Multi-Drug Quant. Results

| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|----------------------|------------------|--------------------|---------------------|-----------------|-------------------|-------------------|---------------------------|
| * Lorazepam | 5.747 | 1813704 | 58182.88 | 56.3 | 312.56 | 146641 | 157.5404 ng/ml |
| MDA | 3.203 | 3551305 | 15765.20 | 24.6 | 299.65 | 412119 | 249.0731 ng/ml |
| MDMA | 3.296 | 2809348 | 3322.52 | 79.8 | 10845.78 | 106997 | 249.6926 ng/ml |
| Meprobamate | 4.917 | 1343422 | 87103.62 | 28.0 | 14415.31 | 309533 | 218.8066 ng/ml |
| Methadone | 5.653 | 1617860 | 406759.87 | 48.7 | 1772.89 | 307697 | 237.7176 ng/ml |
| Methamphetamine | 3.231 | 4913339 | 1258.68 | 36.9 | 1408.73 | 806928 | 253.1539 ng/ml |
| Metoprolol | 4.326 | 756438 | 1244385.57 | 93.1 | 3685.62 | 1466044 | 254.4763 ng/ml |
| Mirtazapine | 4.644 | 2316399 | 1517.10 | 51.4 | 9055.08 | 704243 | 211.9546 ng/ml |
| Mitragynine | 5.243 | 208406 | 15722.56 | 39.1 | 2309.07 | 307697 | 225.4463 ng/ml |
| Morphine | 1.240 | 228874 | 787.83 | 35.4 | 11175.63 | 9626 | 248.3121 ng/ml |
| Norbuprenorphine | 4.992 | 4148 | 13018.10 | 94.5 | 246.40 | 7757 | 24.1195 ng/ml |
| Nordiazepam | 5.900 | 1775766 | 1166.65 | 56.2 | 12813.96 | 241402 | 248.2433 ng/ml |
| Norfentanyl | 4.086 | 664135 | 4085.09 | 34.5 | 648.87 | 1117088 | 23.8844 ng/ml |
| Norhydrocodone | 3.066 | 194692 | 321.51 | 41.9 | 47.51 | 68902 | 247.1308 ng/ml |
| Noroxycodone | 2.909 | 1513078 | 94611.15 | 42.8 | 1505.55 | 212583 | 249.1178 ng/ml |
| O-desmethyl-tramadol | 3.376 | 7791277 | ∞ | 6.6 | 38672.68 | 1832975 | 249.4154 ng/ml |
| Oxazepam | 5.756 | 2554534 | 18850.81 | 71.3 | 292.82 | 408013 | 252.3716 ng/ml |
| Oxycodone | 2.834 | 3552588 | 1565.95 | 27.0 | 4130.65 | 630993 | 250.6267 ng/ml |
| Oxymorphone | 1.398 | 1557987 | ∞ | 44.1 | ∞ | 235062 | 246.0182 ng/ml |
| Phentermine | 3.783 | 1288291 | 3623.53 | 4.4 | 1561.56 | 673676 | 247.7369 ng/ml |
| Promethazine | 5.538 | 503750 | 8287.85 | 28.3 | 945.01 | 87730 | 245.2250 ng/ml |
| Pseudoephedrine | 2.596 | 8236812 | 112007.60 | 15.7 | 93300.07 | 1482795 | 251.2441 ng/ml |
| Quetiapine | 5.569 | 1659053 | 56554.09 | 58.7 | 24275.14 | 88242 | 248.7036 ng/ml |
| Sertraline | 5.776 | 39759 | 907.18 | 102.8 | 63594.41 | 8060 | 220.0034 ng/ml |
| Temazepam | 5.823 | 5237216 | 2188.36 | 27.8 | 14426.60 | 953172 | 256.4858 ng/ml |
| Tramadol | 4.246 | 7588083 | ∞ | 3.5 | 884.97 | 1466044 | 260.4163 ng/ml |
| Trazodone | 5.203 | 1132434 | 62354.64 | 79.9 | 848.00 | 193485 | 247.1786 ng/ml |
| Venlafaxine | 5.043 | 6123776 | 3292.45 | 36.5 | 1198.84 | 1181668 | 252.3568 ng/ml |
| Zolpidem | 4.955 | 7335486 | 2520.57 | 29.6 | 47816.08 | 1411878 | 251.2544 ng/ml |

* Outside curve range

AK

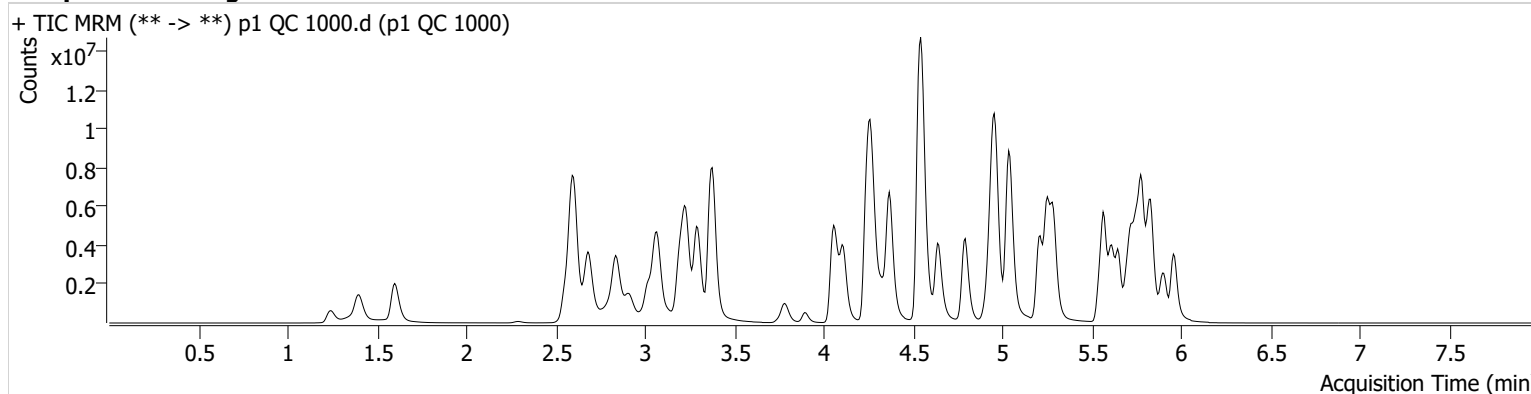


AM #28 Multi-Drug Quant. Results

Batch results C:\Users\agerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Calibration Last Update 6/28/2021 7:43:16 AM

| | | | |
|-------------------------|-----------------------|------------------|----------------|
| Instrument | Falco (069901) | Data File | p1 QC 1000.d |
| Type | QC | Sample | p1 QC 1000 |
| Acq. Method | AM 28 MDQ P1.m | Operator | Amber Gerheart |
| Sample Position | P2-D2 | Comment | |
| Injection Volume | 2 | | |
| Acq. Date-Time | 6/16/2021 10:55:02 PM | | |

Sample Chromatogram



| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|-----------------------|------------------|--------------------|---------------------|------------------|---------------------|-------------------|----------------------------|
| 6-MAM | 3.131 | 331175 | 1093.20 | 70.1 | 1134.94 | 82678 | 104.6176 ng/ml |
| 7-aminoclonazepam | 4.278 | 2304866 | 33672.71 | 79.9 | 8903.40 | 84539 | 1016.6944 ng/ml |
| * a-hydroxyalprazolam | 5.692 | 1156802 | 548.50 | 55.7 | 693.38 | 243604 | 574.4448 ng/ml |
| alpha-PHP | 4.937 | 1889622 | 40957.00 | 272.5 | 36719.72 | 484874 | 806.6183 ng/ml |
| alpha-PVP | 4.370 | 11430031 | 553926.30 | 52.0 | 1761.31 | 484874 | 1015.6341 ng/ml |
| Alprazolam | 5.782 | 7120920 | 37106.92 | 112.1 | 9733.75 | 243604 | 1035.2807 ng/ml |
| Amphetamine | 3.069 | 10109864 | 98201.46 | 47.7 | 47523.74 | 144587 | 875.1538 ng/ml |
| Benzoylcegonine | 3.892 | 624778 | 19806.24 | 7.9 | 8246.05 | 20588 | 1159.1890 ng/ml |
| Buprenorphine | 5.914 | 52139 | 10774.64 | 14.6 | 12461.08 | 20815 | 93.6140 ng/ml |
| Bupropion | 4.795 | 7405694 | 328360.23 | 60.4 | 62778.56 | 265954 | 989.7754 ng/ml |
| Carisoprodol | 5.730 | 4260755 | 567688.50 | 56.1 | 18130.69 | 197525 | 1036.0562 ng/ml |
| Citalopram | 5.212 | 2795736 | 2675.23 | 41.1 | 727.42 | 128154 | 990.4168 ng/ml |
| Clonazepam | 5.612 | 6550329 | 732934.14 | 31.1 | 11204.52 | 87463 | 920.6236 ng/ml |
| Clonazepam | 5.548 | 4700464 | 391815.69 | 37.7 | 54492.89 | 87463 | 962.7173 ng/ml |
| Cocaine | 4.264 | 9245524 | 294191.71 | 50.8 | 1545.46 | 809090 | 1053.8130 ng/ml |
| * Codeine | 2.580 | 815310 | 276.23 | 96.3 | 433.80 | 57059 | 751.4064 ng/ml |
| Cyclobenzaprine | 5.622 | 649728 | 281653.15 | 9.1 | 123.75 | 27057 | 995.6095 ng/ml |
| Dextromethorphan | 5.262 | 1095234 | 301.29 | 80.5 | 671.01 | 49297 | 1046.3783 ng/ml |
| Dextrophan | 4.111 | 2876466 | 1767.54 | 208.2 | 56590.90 | 324150 | 1043.1498 ng/ml |
| Diazepam | 5.960 | 4640693 | 17438.10 | 88.2 | 53746.42 | 217107 | 979.9448 ng/ml |
| * Dihydrocodeine | 2.552 | 2990307 | 29011.20 | 67.5 | 385.01 | 252831 | 747.5105 ng/ml |
| Diphenhydramine | 5.289 | 8103826 | 52314.66 | 32.0 | 17078.55 | 464966 | 1006.9564 ng/ml |
| Doxylamine | 4.546 | 24292839 | 306234.29 | 97.6 | 333742.92 | 1159419 | 911.9976 ng/ml |
| EDDP | 5.254 | 9126375 | 122959.10 | 40.2 | 42135.28 | 436692 | 1063.6633 ng/ml |
| Etizolam | 5.820 | 4670677 | 16995.23 | 24.6 | 4289.47 | 87463 | 1001.3799 ng/ml |
| Fentanyl | 5.109 | 116267 | 2335.57 | 64.7 | 101.18 | 54613 | 101.9407 ng/ml |
| Flualprazolam | 5.705 | 2846730 | 26253.61 | 104.8 | 51282.71 | 243604 | 919.4766 ng/ml |
| Fluoxetine | 5.707 | 250485 | 7526.30 | 8.4 | 435.37 | 10484 | 977.0106 ng/ml |
| Hydrocodone | 3.018 | 4293929 | 345.60 | 41.3 | 294.28 | 649671 | 844.8609 ng/ml |
| Hydromorphone | 1.601 | 4129087 | 3895568.49 | 77.3 | 3299826.95 | 7019 | 977.1005 ng/ml |
| Ketamine | 4.059 | 9545334 | 8450.91 | 35.2 | 33221.69 | 482886 | 951.2096 ng/ml |
| * Lamotrigine | 4.287 | 584453 | 27388.35 | 81.7 | 3794.87 | 482886 | 702.2185 ng/ml |
| * Levetiracetam | 2.683 | 4014618 | 17948.80 | 167.4 | 15135.42 | 890081 | 1228.6416 ng/ml |

AK



AM #28 Multi-Drug Quant. Results

| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|----------------------|------------------|--------------------|---------------------|-----------------|---------------------|-------------------|---------------------------|
| * Lorazepam | 5.747 | 2013328 | 40391.00 | 56.6 | 5053.80 | 87463 | 293.5169 ng/ml |
| MDA | 3.196 | 7101268 | 35579.35 | 23.6 | 2410.77 | 237665 | 865.5978 ng/ml |
| MDMA | 3.296 | 7842010 | 10326.83 | 78.0 | 28776.84 | 72246 | 1031.6808 ng/ml |
| * Meprobamate | 4.917 | 2607860 | 38741.24 | 27.3 | 29598.98 | 221901 | 593.6724 ng/ml |
| Methadone | 5.653 | 4169427 | 50350.60 | 47.6 | 23444.93 | 186204 | 1011.4447 ng/ml |
| Methamphetamine | 3.231 | 10661928 | 14815.37 | 35.9 | 734.27 | 508662 | 874.7988 ng/ml |
| Metoprolol | 4.326 | 1974280 | 671670.30 | 90.8 | 7682.22 | 1080101 | 902.0725 ng/ml |
| Mirtazapine | 4.637 | 6998100 | 318993.56 | 49.8 | 117242.71 | 484874 | 930.1628 ng/ml |
| * Mitragynine | 5.243 | 417056 | 3217.22 | 39.7 | 1772.93 | 186204 | 745.2261 ng/ml |
| Morphine | 1.240 | 654027 | 17440.65 | 36.3 | 5134.26 | 7019 | 972.6254 ng/ml |
| Norbuprenorphine | 4.986 | 7527 | 75.00 | 95.5 | 745.20 | 3301 | 102.3519 ng/ml |
| Nordiazepam | 5.906 | 4016046 | 14725.00 | 54.6 | 2275.47 | 139457 | 972.1163 ng/ml |
| Norfentanyl | 4.079 | 1963244 | 6309.86 | 33.8 | 31289.69 | 697534 | 112.8504 ng/ml |
| Norhydrocodone | 3.059 | 591626 | 1592.91 | 41.0 | 159.78 | 46700 | 1106.2271 ng/ml |
| Noroxycodone | 2.909 | 3335635 | 7578.11 | 42.1 | 688.34 | 90636 | 1288.2588 ng/ml |
| O-desmethyl-tramadol | 3.376 | 22072518 | 296616.90 | 6.9 | 26505.14 | 1347885 | 960.0157 ng/ml |
| Oxazepam | 5.756 | 2937132 | 28384.04 | 71.1 | 13860.07 | 125899 | 940.6828 ng/ml |
| Oxycodone | 2.834 | 11163016 | 2644.86 | 26.4 | 1634.65 | 507565 | 979.5067 ng/ml |
| Oxymorphone | 1.398 | 4401320 | ∞ | 42.7 | ∞ | 168729 | 968.9756 ng/ml |
| Phentermine | 3.783 | 2965716 | 5663.26 | 4.4 | 2663.23 | 460825 | 835.7425 ng/ml |
| Promethazine | 5.538 | 1468233 | 45329.69 | 28.8 | 856.41 | 63421 | 988.7775 ng/ml |
| Pseudoephedrine | 2.603 | 21093927 | 219479.63 | 15.6 | 1316.09 | 890081 | 1070.0847 ng/ml |
| Quetiapine | 5.569 | 5750654 | 16016.85 | 59.4 | ∞ | 73586 | 1033.3600 ng/ml |
| Sertraline | 5.776 | 106061 | 382.57 | 99.1 | 569.13 | 4104 | 1143.3018 ng/ml |
| Temazepam | 5.830 | 8892680 | 29408.08 | 27.2 | 13499.10 | 398868 | 1039.3099 ng/ml |
| Tramadol | 4.246 | 19224925 | 3946.68 | 3.7 | 983.08 | 1080101 | 895.6792 ng/ml |
| Trazodone | 5.203 | 4719259 | 3399019.81 | 80.8 | 664.35 | 201818 | 987.6083 ng/ml |
| Venlafaxine | 5.037 | 17783939 | 381138.07 | 37.5 | 1626.02 | 841389 | 1027.8211 ng/ml |
| Zolpidem | 4.955 | 22117931 | 11179.01 | 31.3 | 6362.96 | 1159687 | 922.1533 ng/ml |

* Outside curve range

AK

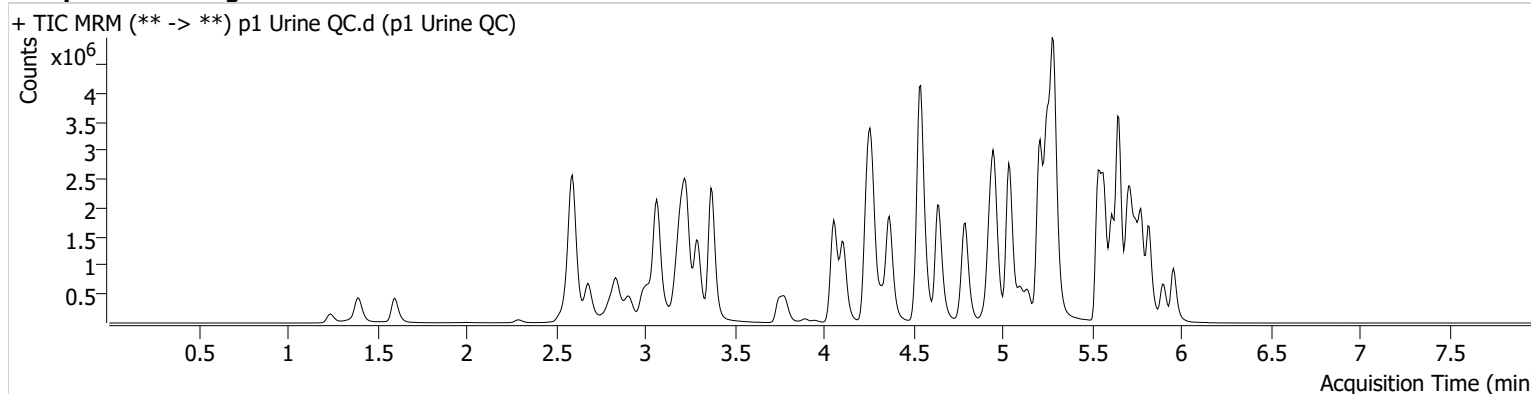


AM #28 Multi-Drug Quant. Results

Batch results C:\Users\agerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Calibration Last Update 6/28/2021 7:43:16 AM

| | | | |
|-------------------------|-----------------------|------------------|----------------|
| Instrument | Falco (069901) | Data File | p1 Urine QC.d |
| Type | QC | Sample | p1 Urine QC |
| Acq. Method | AM 28 MDQ P1.m | Operator | Amber Gerheart |
| Sample Position | P2-E2 | Comment | |
| Injection Volume | 2 | | |
| Acq. Date-Time | 6/16/2021 11:26:53 PM | | |

Sample Chromatogram



| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|---------------------|-------|---------|-----------|-------|------------|------------|----------------|
| 6-MAM | 3.131 | 48835 | 1302.32 | 73.0 | 2763.46 | 120313 | 10.5772 ng/ml |
| 7-aminoclonazepam | 4.278 | 773171 | 5734.00 | 77.2 | 1366.26 | 270742 | 106.5424 ng/ml |
| a-hydroxyalprazolam | 5.692 | 316124 | ∞ | 57.1 | 550.41 | 356802 | 106.7037 ng/ml |
| alpha-PHP | 4.937 | 652726 | 887.08 | 268.0 | 7658.16 | 1077199 | 124.8973 ng/ml |
| alpha-PVP | 4.370 | 2565276 | 20524.65 | 52.7 | 835.42 | 1077199 | 102.8895 ng/ml |
| Alprazolam | 5.775 | 1078224 | 998.00 | 110.8 | 987.03 | 356802 | 107.2786 ng/ml |
| Amphetamine | 3.069 | 4320020 | 1606.91 | 48.8 | 1208.75 | 497532 | 107.5897 ng/ml |
| Benzoylecgonine | 3.892 | 66332 | 496.53 | 8.1 | 258.63 | 24333 | 104.0113 ng/ml |
| Buprenorphine | 5.914 | 63435 | 503.14 | 14.1 | 12345.33 | 177663 | 13.3544 ng/ml |
| Bupropion | 4.795 | 2669791 | 70620.17 | 61.5 | 1234.56 | 885379 | 107.2546 ng/ml |
| Carisoprodol | 5.730 | 934335 | 705866.28 | 58.3 | 1225.74 | 419048 | 107.3592 ng/ml |
| Citalopram | 5.212 | 2082034 | 16092.77 | 40.9 | 41968.06 | 887240 | 106.6971 ng/ml |
| Clonazepam | 5.612 | 1032499 | 3191.95 | 32.0 | 951.77 | 124868 | 101.4634 ng/ml |
| Clonazepam | 5.555 | 730173 | 2922.86 | 37.4 | 5296.70 | 124868 | 104.7423 ng/ml |
| Cocaine | 4.264 | 1871747 | 60798.21 | 52.4 | 19537.70 | 1660717 | 104.0924 ng/ml |
| Codeine | 2.580 | 215751 | 345.12 | 101.1 | 4118.50 | 104445 | 108.1755 ng/ml |
| Cyclobenzaprine | 5.622 | 1628235 | 38528.55 | 8.8 | 998.87 | 627590 | 107.9590 ng/ml |
| Dextromethorphan | 5.262 | 1265577 | 20382.01 | 79.6 | 455.96 | 567763 | 104.9102 ng/ml |
| Dextrophan | 4.111 | 772255 | 1060.47 | 210.1 | 3906.44 | 861530 | 105.6843 ng/ml |
| Diazepam | 5.960 | 881808 | 376.19 | 88.5 | 11320.47 | 395516 | 102.3775 ng/ml |
| Dihydrocodeine | 2.559 | 588171 | 1422.26 | 66.1 | 3858.83 | 339701 | 109.0797 ng/ml |
| Diphenhydramine | 5.289 | 5487356 | 50642.59 | 32.8 | 1092.61 | 3096965 | 102.6992 ng/ml |
| Doxylamine | 4.543 | 5503050 | 36335.21 | 97.6 | 29911.88 | 2199692 | 109.0301 ng/ml |
| EDDP | 5.254 | 2583842 | 953.79 | 42.0 | 6085.90 | 1244786 | 106.1868 ng/ml |
| Etizolam | 5.820 | 736108 | 6580.31 | 25.2 | 1244.09 | 124868 | 112.3292 ng/ml |
| Fentanyl | 5.116 | 229957 | 452.90 | 66.2 | 12726.27 | 1023788 | 10.7699 ng/ml |
| Flualprazolam | 5.705 | 544596 | ∞ | 103.7 | 14843.84 | 356802 | 119.9616 ng/ml |
| Fluoxetine | 5.707 | 1826499 | 57688.31 | 8.4 | 3553.31 | 716621 | 104.4405 ng/ml |
| Hydrocodone | 3.018 | 875106 | 7398.89 | 40.0 | 269.32 | 1019811 | 109.2929 ng/ml |
| Hydromorphone | 1.601 | 752982 | 7628.90 | 77.5 | 2185314.23 | 13414 | 93.1268 ng/ml |
| Ketamine | 4.059 | 1802132 | 3421.05 | 36.4 | 395.87 | 821176 | 105.4315 ng/ml |
| Lamotrigine | 4.280 | 167395 | 1547.64 | 81.4 | 605.07 | 821176 | 117.5651 ng/ml |
| Levetiracetam | 2.683 | 667331 | 1439.64 | 167.9 | 8520.03 | 2138560 | 85.5227 ng/ml |

AK



AM #28 Multi-Drug Quant. Results

| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|----------------------|-------|---------|-----------|-------|----------|------------|----------------|
| Lorazepam | 5.747 | 609879 | 4409.09 | 58.2 | 813.41 | 124868 | 61.9915 ng/ml |
| MDA | 3.203 | 2873848 | 5887.30 | 24.7 | 887.93 | 721832 | 114.6501 ng/ml |
| MDMA | 3.296 | 2001406 | 3194.22 | 78.5 | 2546.02 | 174465 | 109.1944 ng/ml |
| Meprobamate | 4.917 | 672007 | 14286.23 | 27.8 | 2283.91 | 335198 | 100.6979 ng/ml |
| Methadone | 5.653 | 4030371 | 1847.16 | 47.9 | 2142.19 | 1684439 | 108.3281 ng/ml |
| Methamphetamine | 3.231 | 3855450 | 1204.61 | 37.5 | 1862.08 | 1337777 | 119.1019 ng/ml |
| Metoprolol | 4.326 | 488682 | 1427.84 | 92.0 | 3512.64 | 1963389 | 122.6389 ng/ml |
| Mirtazapine | 4.644 | 3697137 | 6206.71 | 50.3 | 9697.96 | 1077199 | 221.1693 ng/ml |
| Mitragynine | 5.243 | 783879 | 3687.12 | 39.7 | 675.50 | 1684439 | 154.9405 ng/ml |
| Morphine | 1.240 | 133321 | 259.48 | 34.6 | 229.03 | 13414 | 103.8904 ng/ml |
| Norbuprenorphine | 4.986 | 8536 | 276.81 | 92.3 | 8328.63 | 38724 | 10.0295 ng/ml |
| Nordiazepam | 5.906 | 750043 | 511.49 | 56.5 | 526.04 | 240369 | 105.2476 ng/ml |
| Norfentanyl | 4.086 | 425096 | 154.80 | 33.7 | 795.84 | 1720796 | 9.9590 ng/ml |
| Norhydrocodone | 3.059 | 113835 | 179.58 | 41.7 | 68.04 | 98945 | 100.9232 ng/ml |
| Noroxycodone | 2.909 | 908545 | 914.86 | 43.6 | 629.95 | 294140 | 108.0885 ng/ml |
| O-desmethyl-tramadol | 3.376 | 3809755 | ∞ | 6.8 | 798.72 | 2158827 | 103.7276 ng/ml |
| Oxazepam | 5.756 | 728861 | 2148.16 | 72.9 | ∞ | 327173 | 89.7284 ng/ml |
| Oxycodone | 2.834 | 1957706 | 10781.27 | 27.0 | 2143.85 | 788120 | 110.4852 ng/ml |
| Oxymorphone | 1.398 | 863371 | ∞ | 43.5 | ∞ | 293094 | 109.1983 ng/ml |
| Phentermine | 3.790 | 966284 | 2228.49 | 4.4 | 232.81 | 1112800 | 112.0241 ng/ml |
| Promethazine | 5.538 | 3382843 | 2611.74 | 27.5 | 793.68 | 1318896 | 109.5222 ng/ml |
| Pseudoephedrine | 2.596 | 4886603 | 7018.39 | 16.2 | 33694.95 | 2138560 | 103.6717 ng/ml |
| Quetiapine | 5.569 | 2555367 | 101263.19 | 57.4 | 4778.40 | 316882 | 106.7439 ng/ml |
| Sertraline | 5.776 | 397914 | 529.36 | 97.1 | 391.24 | 184018 | 97.6696 ng/ml |
| Temazepam | 5.823 | 1436051 | 32154.51 | 29.4 | 92.69 | 660995 | 101.6967 ng/ml |
| Tramadol | 4.246 | 4225359 | 313570.17 | 3.6 | 946.65 | 1963389 | 108.2438 ng/ml |
| Trazodone | 5.203 | 2739707 | 50553.71 | 80.7 | 1635.42 | 1175339 | 98.4328 ng/ml |
| Venlafaxine | 5.037 | 4044901 | 30844.72 | 37.3 | 1055.26 | 1884391 | 104.7995 ng/ml |
| Zolpidem | 4.955 | 4221202 | 2633.89 | 30.3 | 3039.45 | 1910161 | 106.9058 ng/ml |

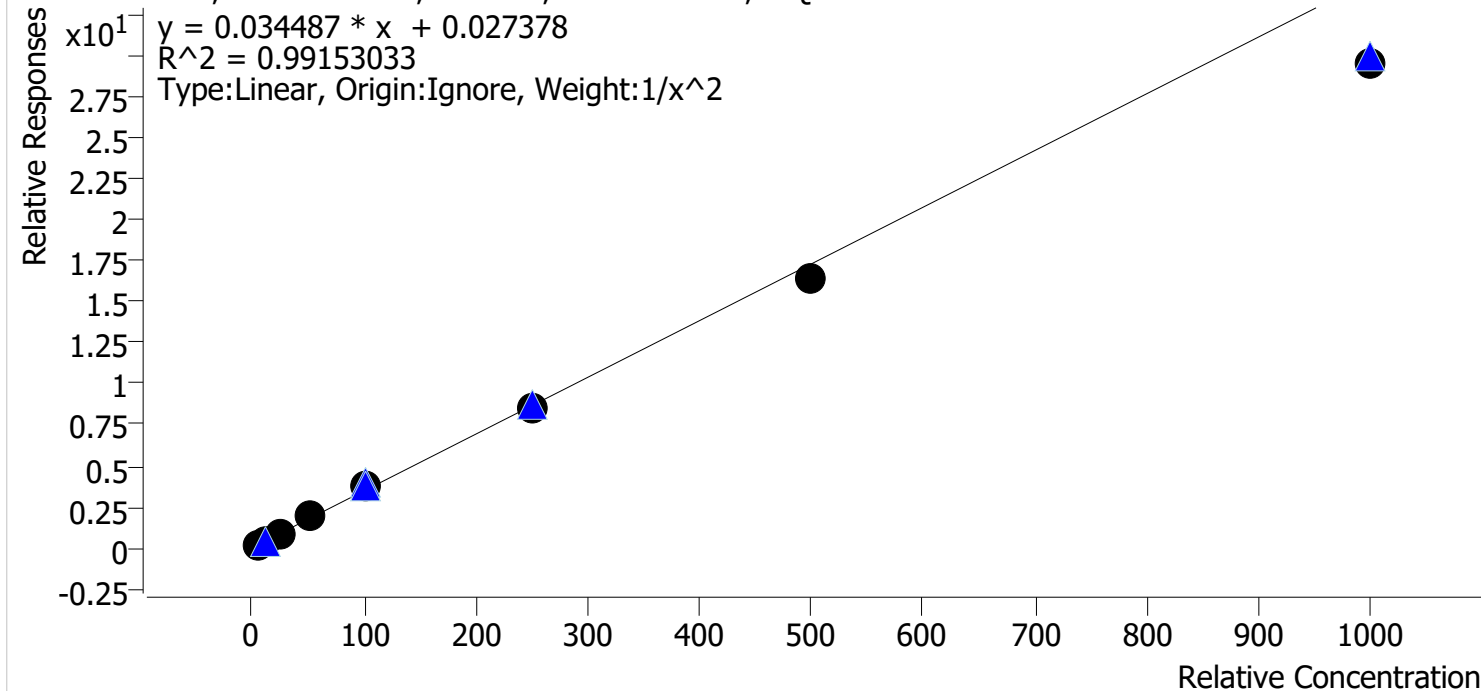
AK



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Last Cal. Update 6/28/2021 7:43 AM
Analyst Name ISP\lagerheart
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 | 97.0 |
| p1 Cal 2-10ng | 2 | ✓ | 10.0 | 10.1 | 101.4 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 26.3 | 105.1 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 55.5 | 111.1 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 106.6 | 106.6 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 248.0 | 99.2 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 471.7 | 94.3 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 853.4 | 85.3 |

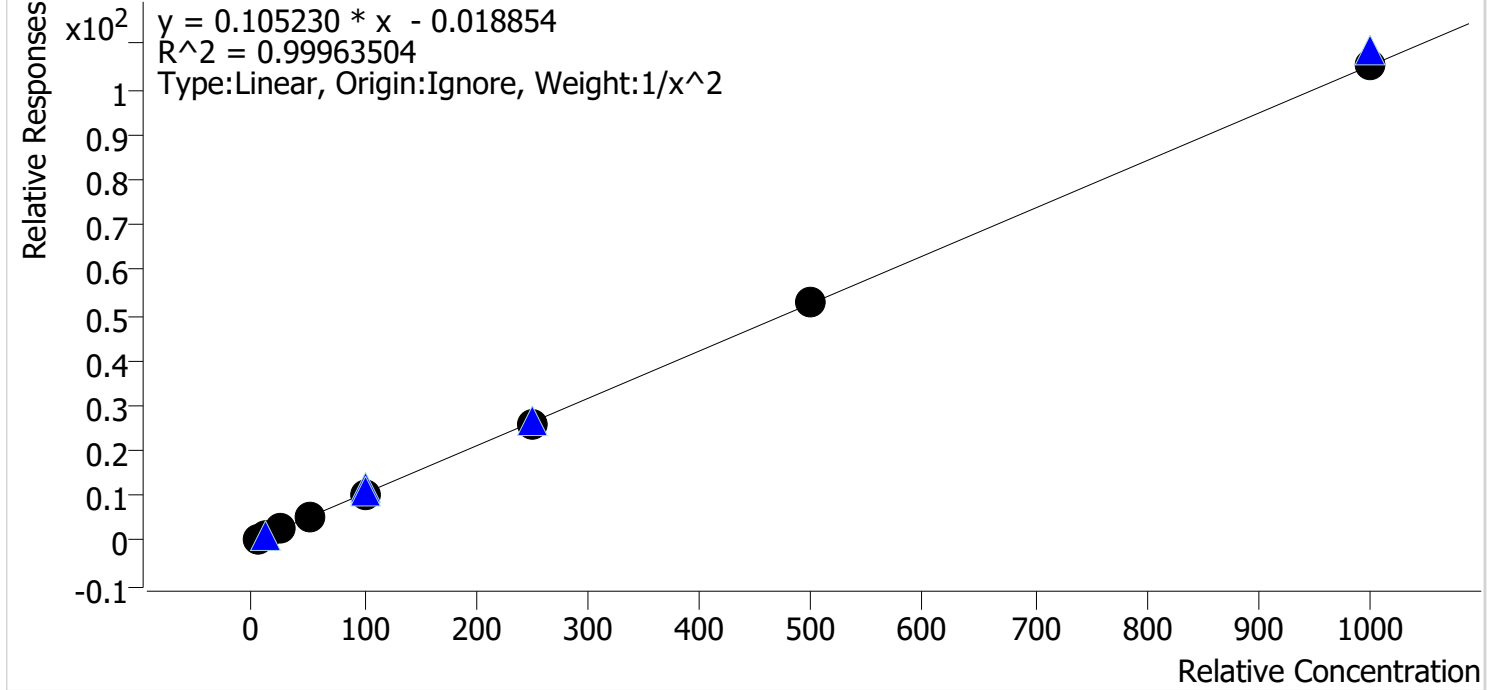
AK



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Last Cal. Update 6/28/2021 7:43 AM
Analyst Name ISP\lagerheart
Analyte MDMA **Internal Standard** MDMA-D6

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



| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 5.0 | 100.7 |
| p1 Cal 2-10ng | 2 | ✓ | 10.0 | 9.9 | 98.7 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 24.6 | 98.4 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 51.7 | 103.4 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 99.5 | 99.5 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 246.3 | 98.5 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 504.6 | 100.9 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 998.5 | 99.9 |

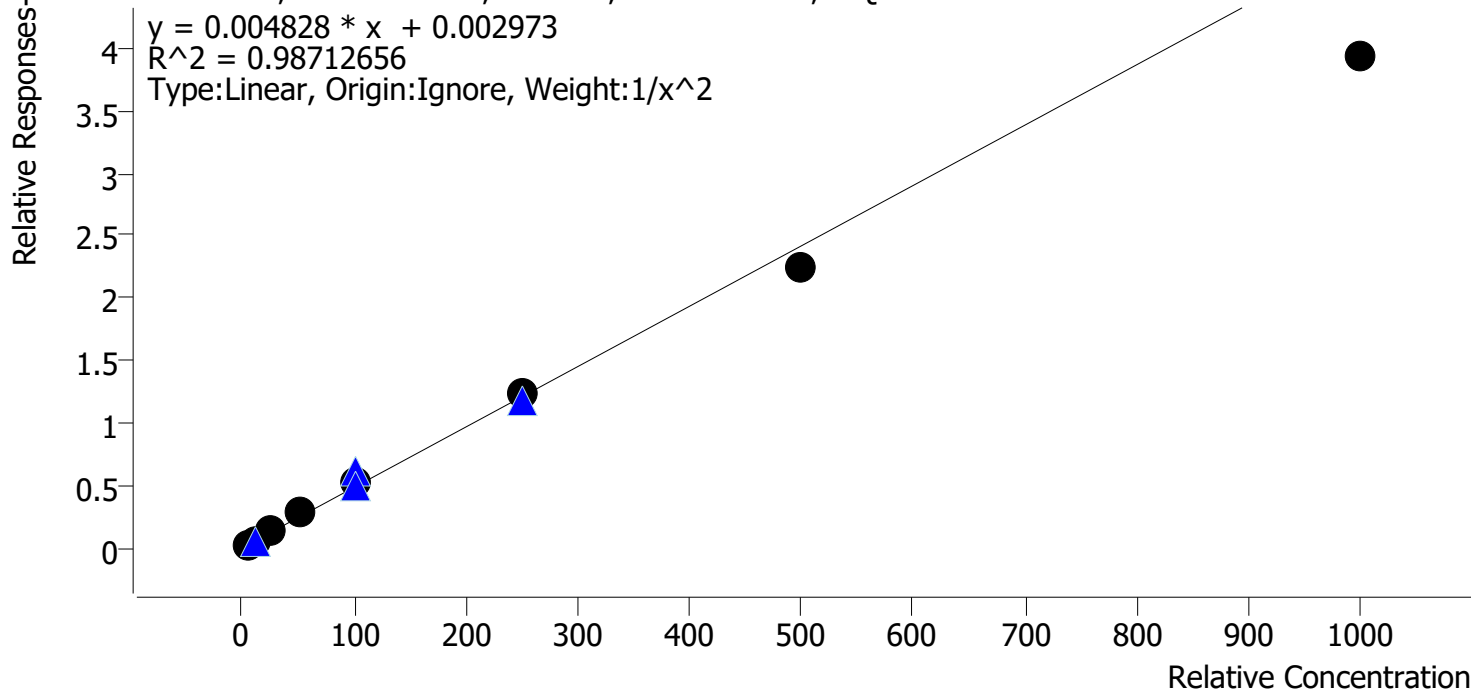
AK



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Last Cal. Update 6/28/2021 7:43 AM
Analyst Name ISP\lagerheart
Analyte alpha-PHP **Internal Standard** alpha-PVP-d8

alpha-PHP - 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 | 9.7 | 97.1 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 27.0 | 108.0 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 56.2 | 112.3 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 108.3 | 108.3 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 253.1 | 101.2 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 466.9 | 93.4 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 813.6 | 81.4 |

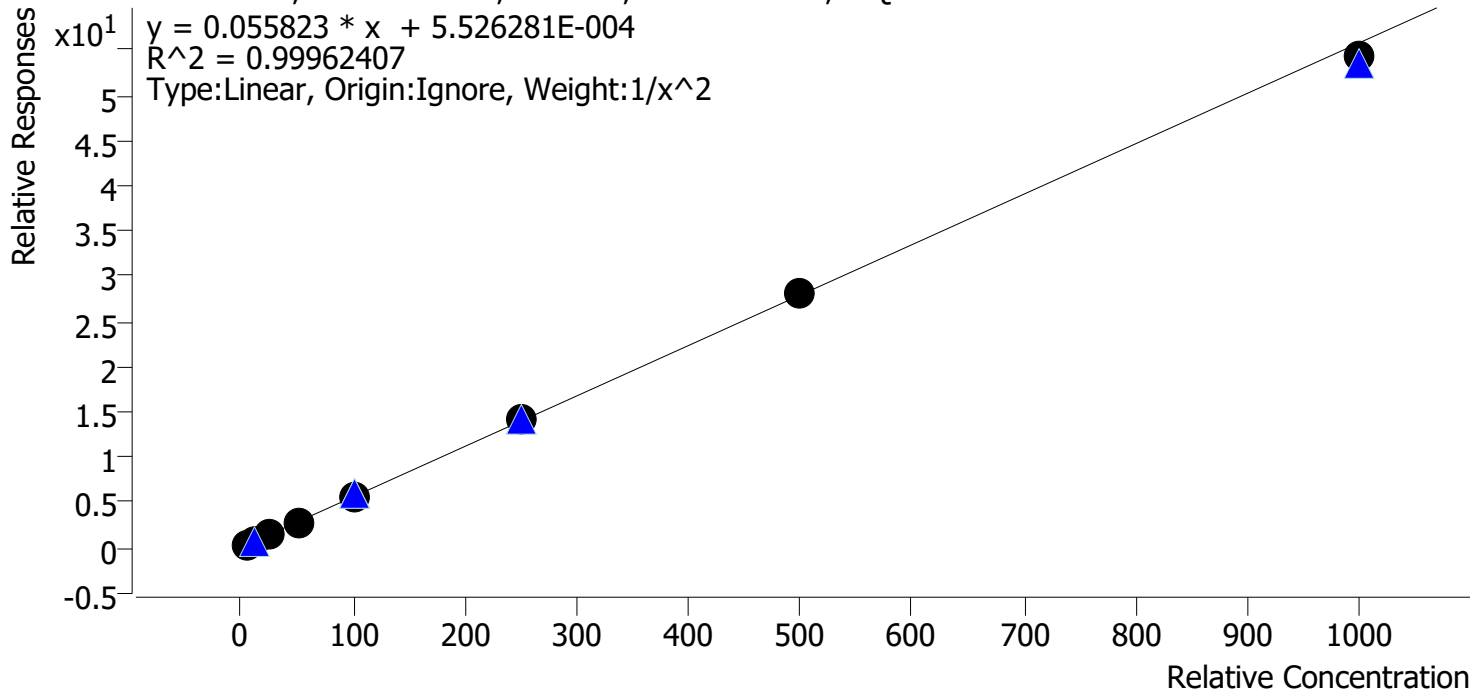
AK



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Last Cal. Update 6/28/2021 7:43 AM
Analyst Name ISP\lagerheart
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 | 100.7 |
| p1 Cal 2-10ng | 2 | ✓ | 10.0 | 9.9 | 98.6 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 24.6 | 98.5 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 51.0 | 102.0 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 101.2 | 101.2 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 253.9 | 101.6 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 500.8 | 100.2 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 972.8 | 97.3 |

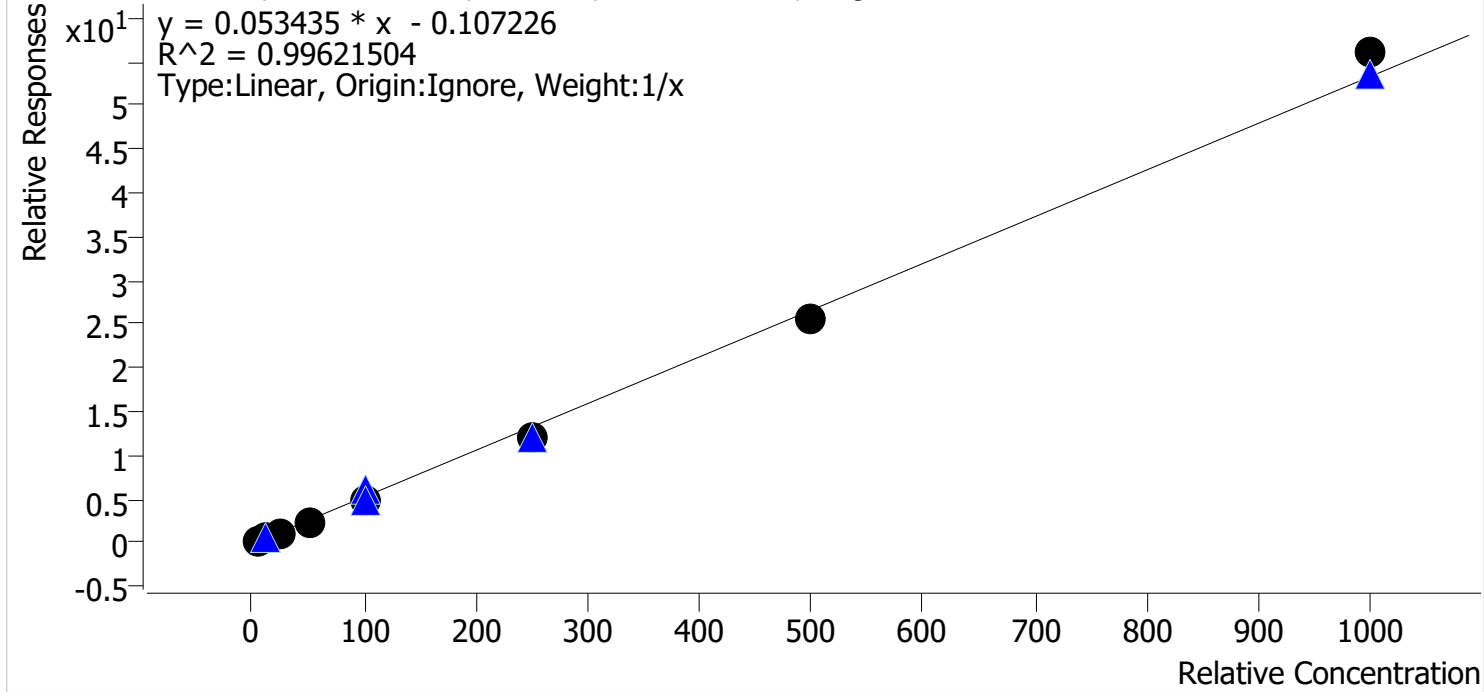
AK



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Last Cal. Update 6/28/2021 7:43 AM
Analyst Name ISP\lagerheart
Analyte Etizolam **Internal Standard** Clonazepam-D4

Etizolam - 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 | 127.0 |
| p1 Cal 2-10ng | 2 | ✓ | 10.0 | 10.5 | 105.3 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 23.0 | 91.8 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 46.3 | 92.6 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 89.4 | 89.4 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 230.5 | 92.2 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 482.5 | 96.5 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 1051.4 | 105.1 |

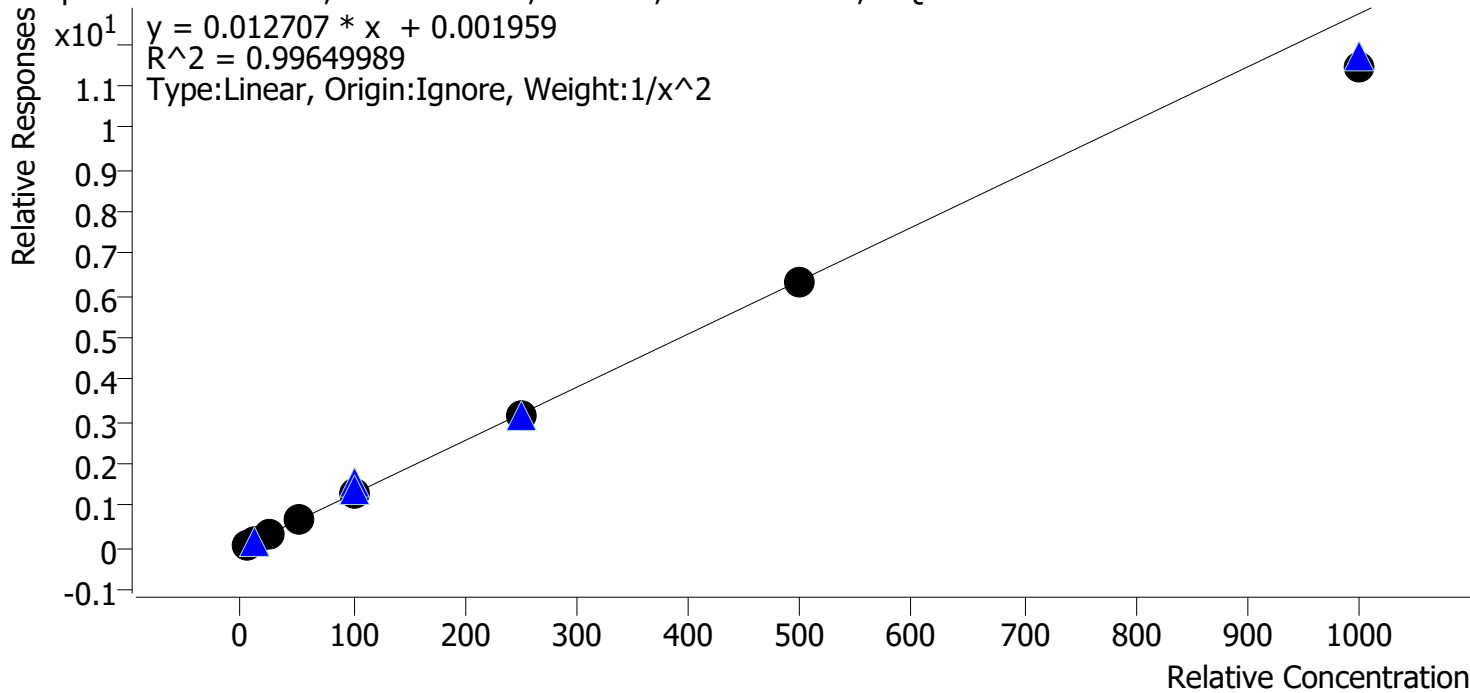
AK



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Last Cal. Update 6/28/2021 7:43 AM
Analyst Name ISP\lagerheart
Analyte Flualprazolam **Internal Standard** Alprazolam-D5

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



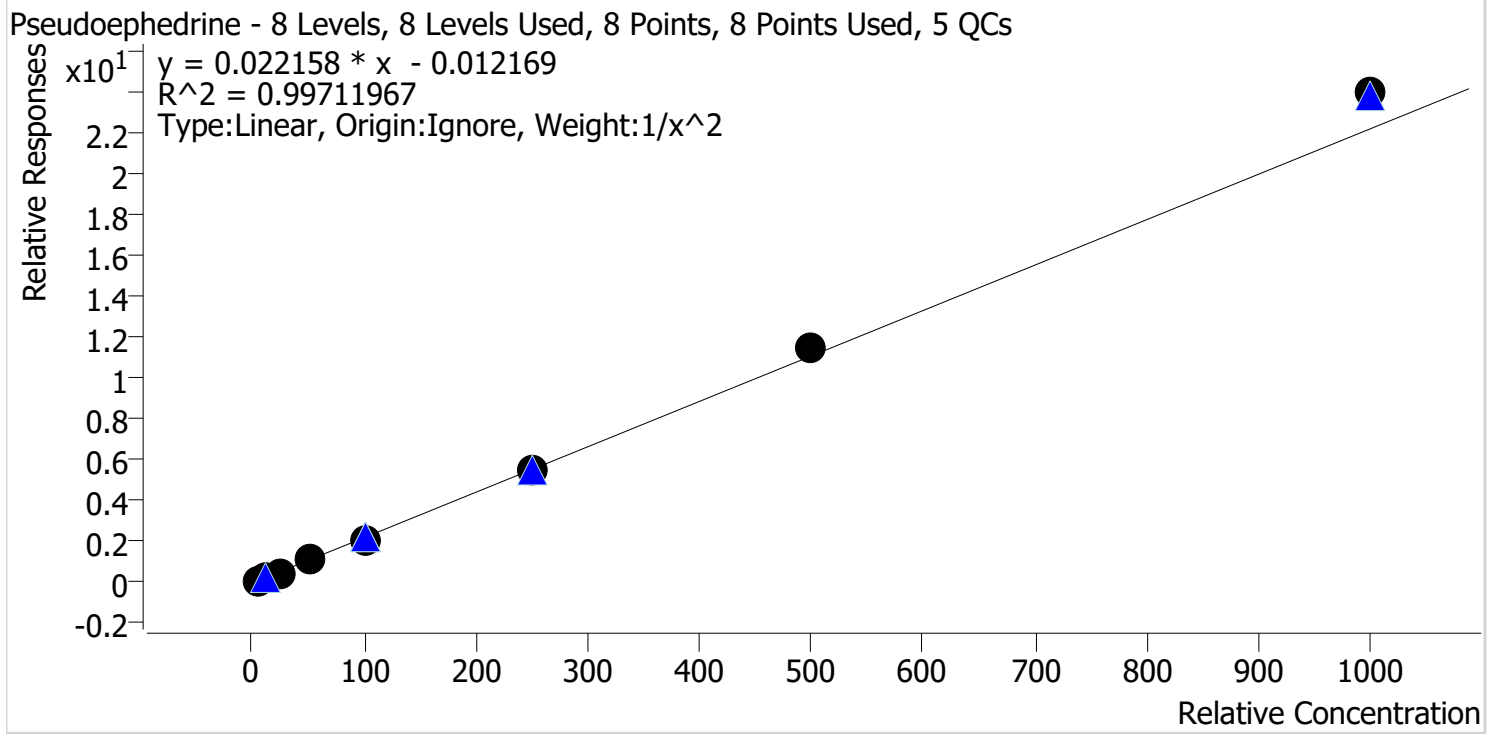
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 4.9 | 98.2 |
| p1 Cal 2-10ng | 2 | ✓ | 10.0 | 10.1 | 101.3 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 25.3 | 101.3 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 54.1 | 108.2 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 102.9 | 102.9 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 245.2 | 98.1 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 499.9 | 100.0 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 900.4 | 90.0 |

AK



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Last Cal. Update 6/28/2021 7:43 AM
Analyst Name ISP\lagerheart
Analyte Pseudoephedrine **Internal Standard** Pseudoephedrine-D3



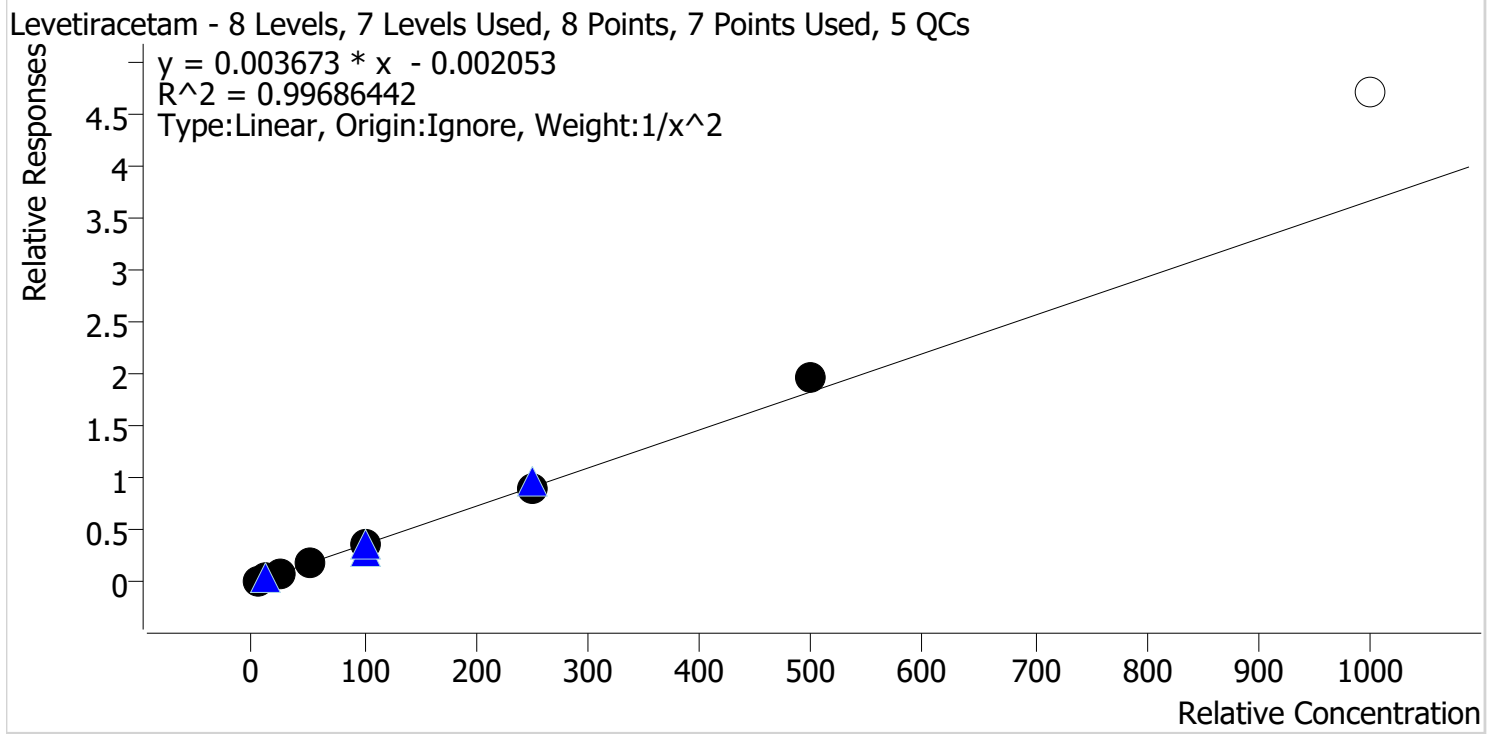
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 5.1 | 102.9 |
| p1 Cal 2-10ng | 2 | ✓ | 10.0 | 9.7 | 97.1 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 23.5 | 93.9 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 49.5 | 99.1 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 95.6 | 95.6 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 248.9 | 99.6 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 519.2 | 103.8 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 1079.9 | 108.0 |

AK



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Last Cal. Update 6/28/2021 7:43 AM
Analyst Name ISP\lagerheart
Analyte Levetiracetam **Internal Standard** Pseudoephedrine-D3



| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 5.2 | 103.1 |
| p1 Cal 2-10ng | 2 | ✓ | 10.0 | 9.6 | 96.1 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 23.5 | 93.8 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 50.3 | 100.6 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 98.3 | 98.3 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 249.3 | 99.7 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 541.5 | 108.3 |
| p1 Cal 8-1000ng | 8 | ✗ | 1000.0 | 1283.1 | 128.3 |

* Cal 8 dropped due to accuracy

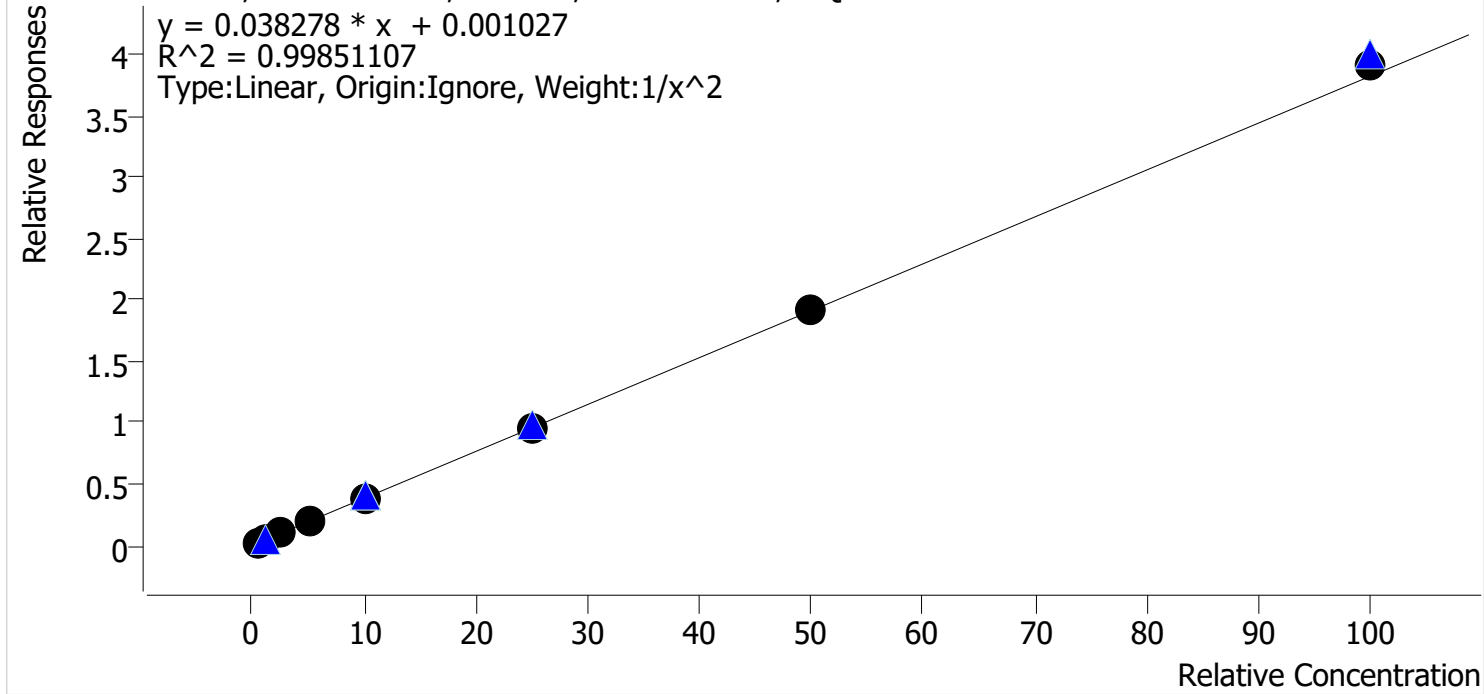
AK



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Last Cal. Update 6/28/2021 7:43 AM
Analyst Name ISP\lagerheart
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 | 103.5 |
| p1 Cal 2-10ng | 2 | ✓ | 1.0 | 0.9 | 93.3 |
| p1 Cal 3 -25ng | 3 | ✓ | 2.5 | 2.4 | 97.6 |
| p1 Cal 4-50ng | 4 | ✓ | 5.0 | 5.1 | 103.0 |
| p1 Cal 5-100ng | 5 | ✓ | 10.0 | 10.0 | 100.3 |
| p1 Cal 6-250ng | 6 | ✓ | 25.0 | 25.1 | 100.3 |
| p1 Cal 7-500ng | 7 | ✓ | 50.0 | 49.8 | 99.7 |
| p1 Cal 8-1000ng | 8 | ✓ | 100.0 | 102.4 | 102.4 |

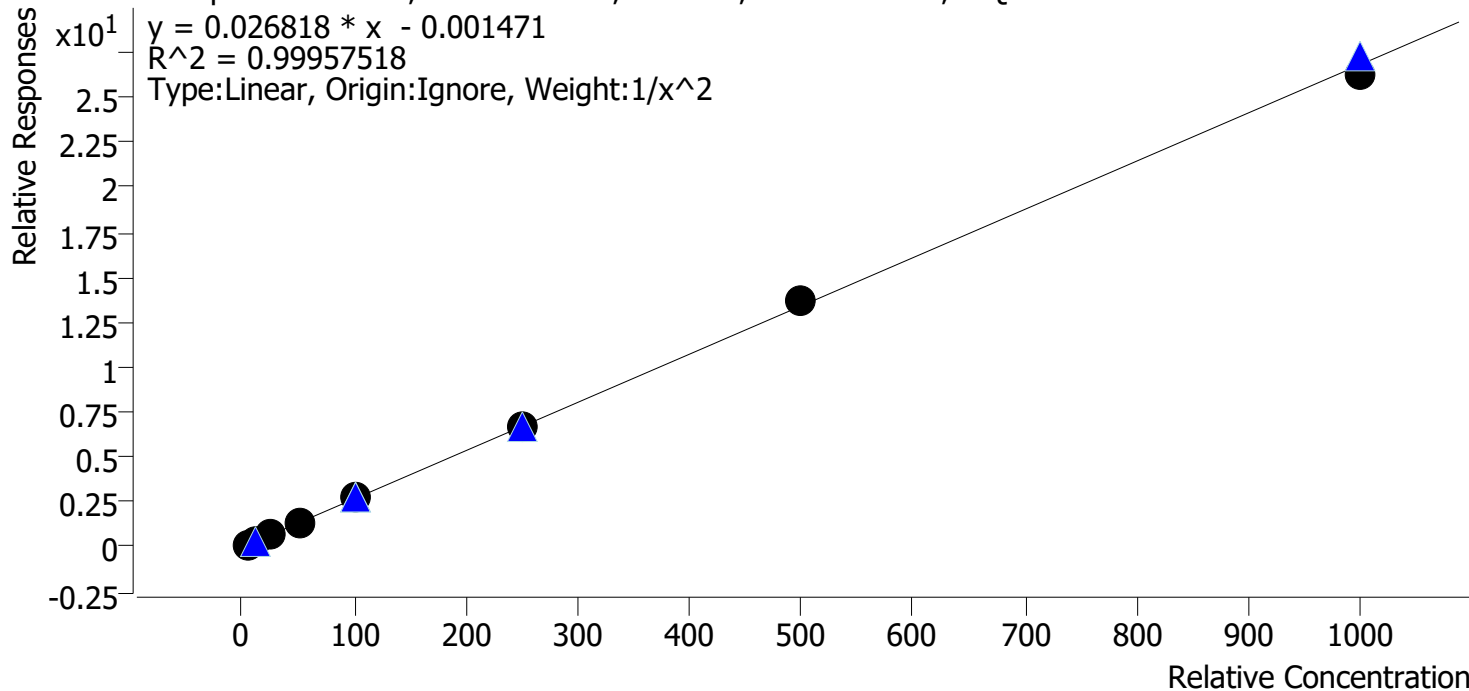
AK



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Last Cal. Update 6/28/2021 7:43 AM
Analyst Name ISP\lagerheart
Analyte 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4

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



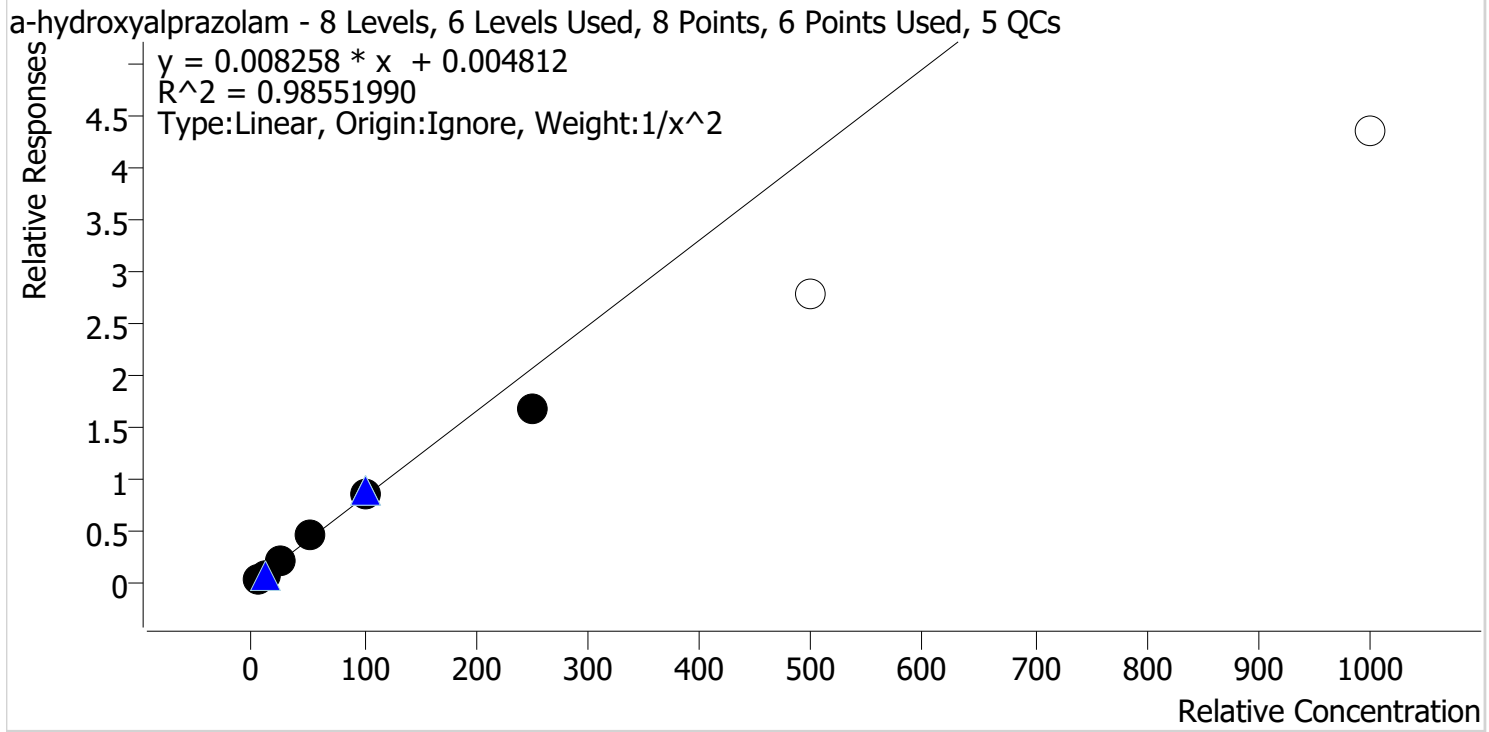
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 5.0 | 100.5 |
| p1 Cal 2-10ng | 2 | ✓ | 10.0 | 10.0 | 99.5 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 24.3 | 97.2 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 51.3 | 102.7 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 100.0 | 100.0 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 249.4 | 99.8 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 510.0 | 102.0 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 983.1 | 98.3 |

AK



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Last Cal. Update 6/28/2021 7:43 AM
Analyst Name ISP\lagerheart
Analyte a-hydroxyalprazolam **Internal Standard** Alprazolam-D5



| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 4.8 | 96.7 |
| p1 Cal 2-10ng | 2 | ✓ | 10.0 | 10.3 | 103.1 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 26.1 | 104.3 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 55.2 | 110.4 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 103.5 | 103.5 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 204.8 | 81.9 |
| p1 Cal 7-500ng | 7 | ✗ | 500.0 | 336.1 | 67.2 |
| p1 Cal 8-1000ng | 8 | ✗ | 1000.0 | 525.4 | 52.5 |

* Cal 7 and 8 dropped due to accuracy

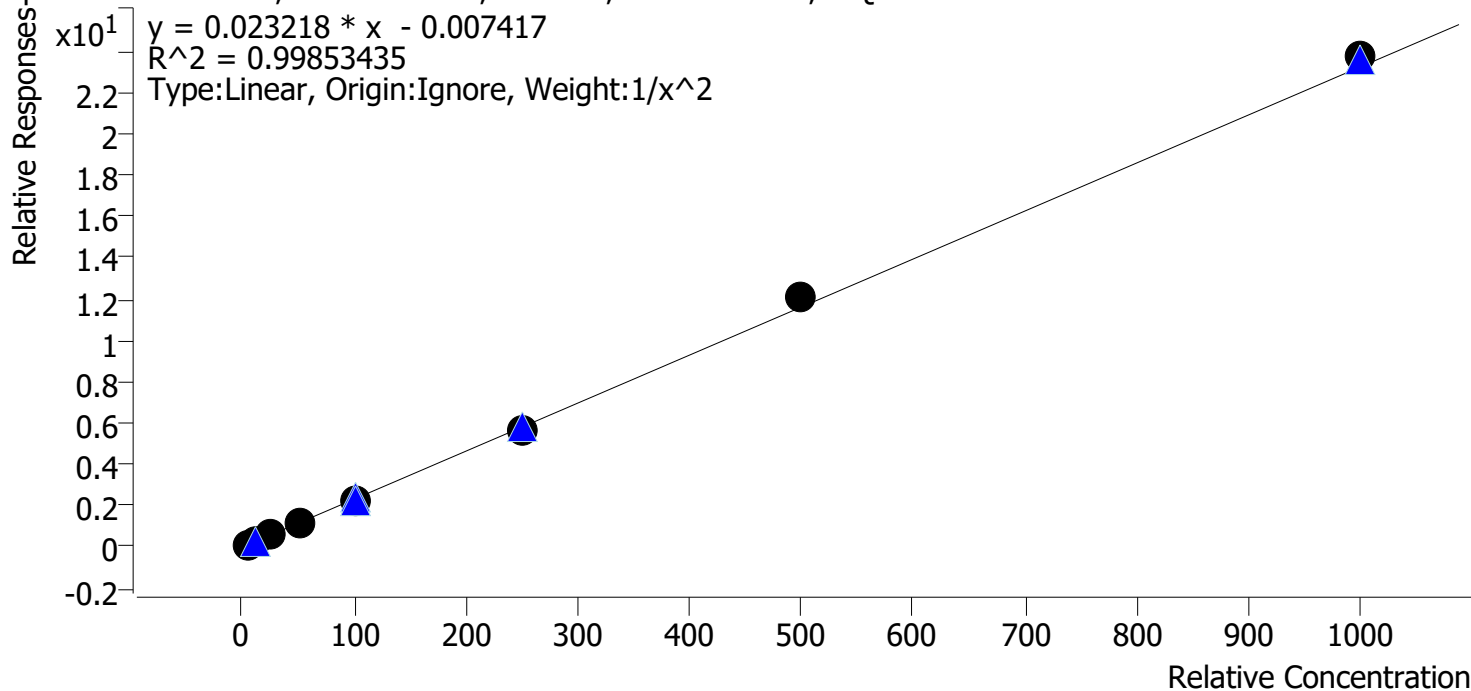
AK



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Last Cal. Update 6/28/2021 7:43 AM
Analyst Name ISP\lagerheart
Analyte alpha-PVP **Internal Standard** alpha-PVP-d8

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



| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 5.1 | 102.3 |
| p1 Cal 2-10ng | 2 | ✓ | 10.0 | 9.7 | 96.8 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 23.8 | 95.4 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 51.7 | 103.5 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 97.5 | 97.5 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 246.2 | 98.5 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 519.5 | 103.9 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 1021.7 | 102.2 |

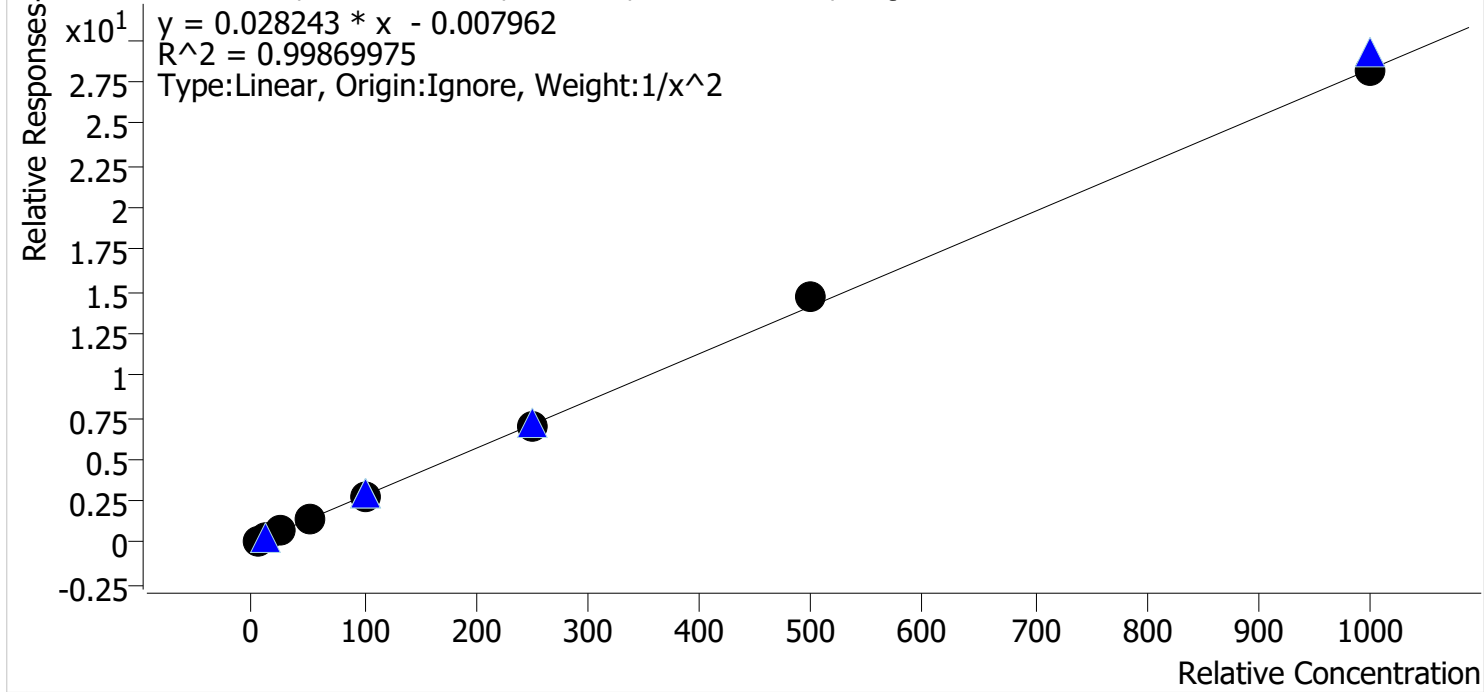
AK



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Last Cal. Update 6/28/2021 7:43 AM
Analyst Name ISP\lagerheart
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 | 5.1 | 102.7 |
| p1 Cal 2-10ng | 2 | ✓ | 10.0 | 9.6 | 95.8 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 23.9 | 95.6 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 51.2 | 102.3 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 100.0 | 100.0 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 248.6 | 99.5 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 522.0 | 104.4 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 996.3 | 99.6 |

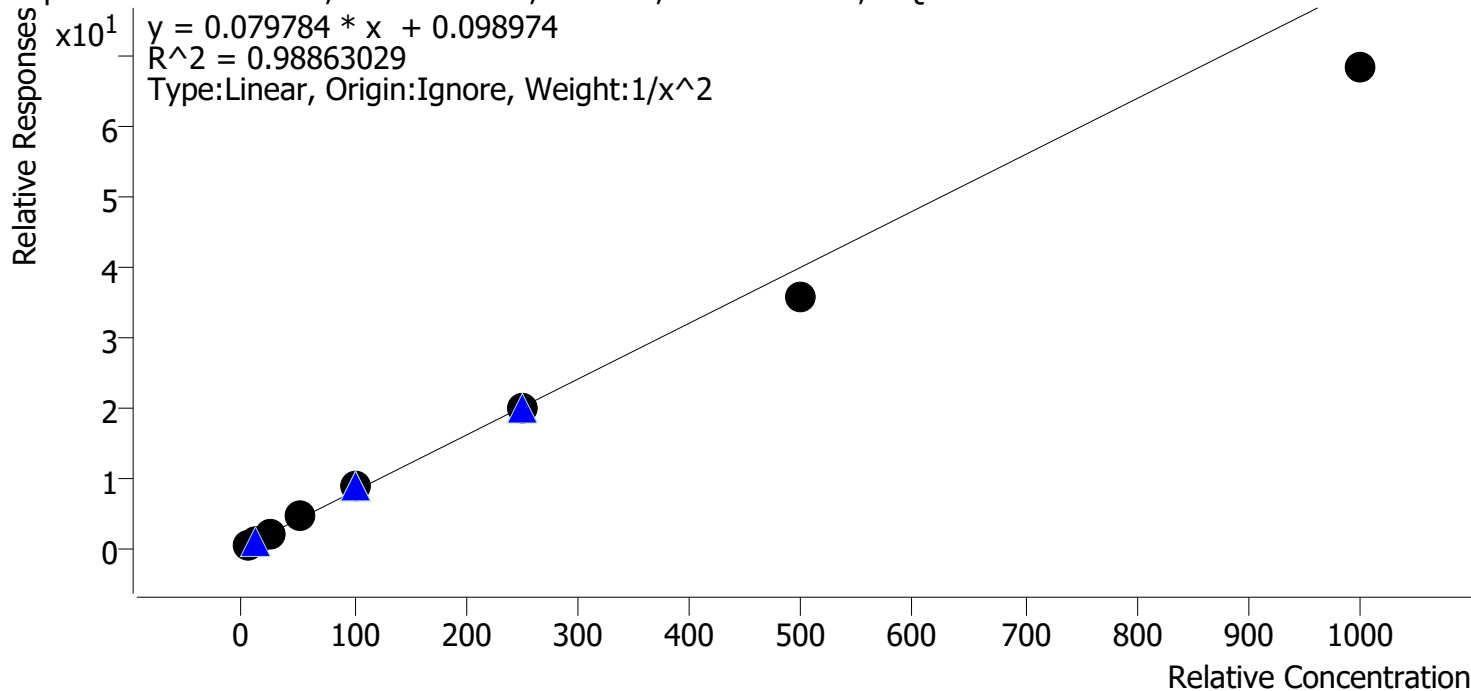
AK



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Last Cal. Update 6/28/2021 7:43 AM
Analyst Name ISP\lagerheart
Analyte Amphetamine **Internal Standard** Amphetamine-D11

Amphetamine - 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 | 96.3 |
| p1 Cal 2-10ng | 2 | ✓ | 10.0 | 10.2 | 101.9 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 26.5 | 106.0 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 57.1 | 114.2 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 107.2 | 107.2 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 246.4 | 98.5 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 449.7 | 89.9 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 859.5 | 86.0 |

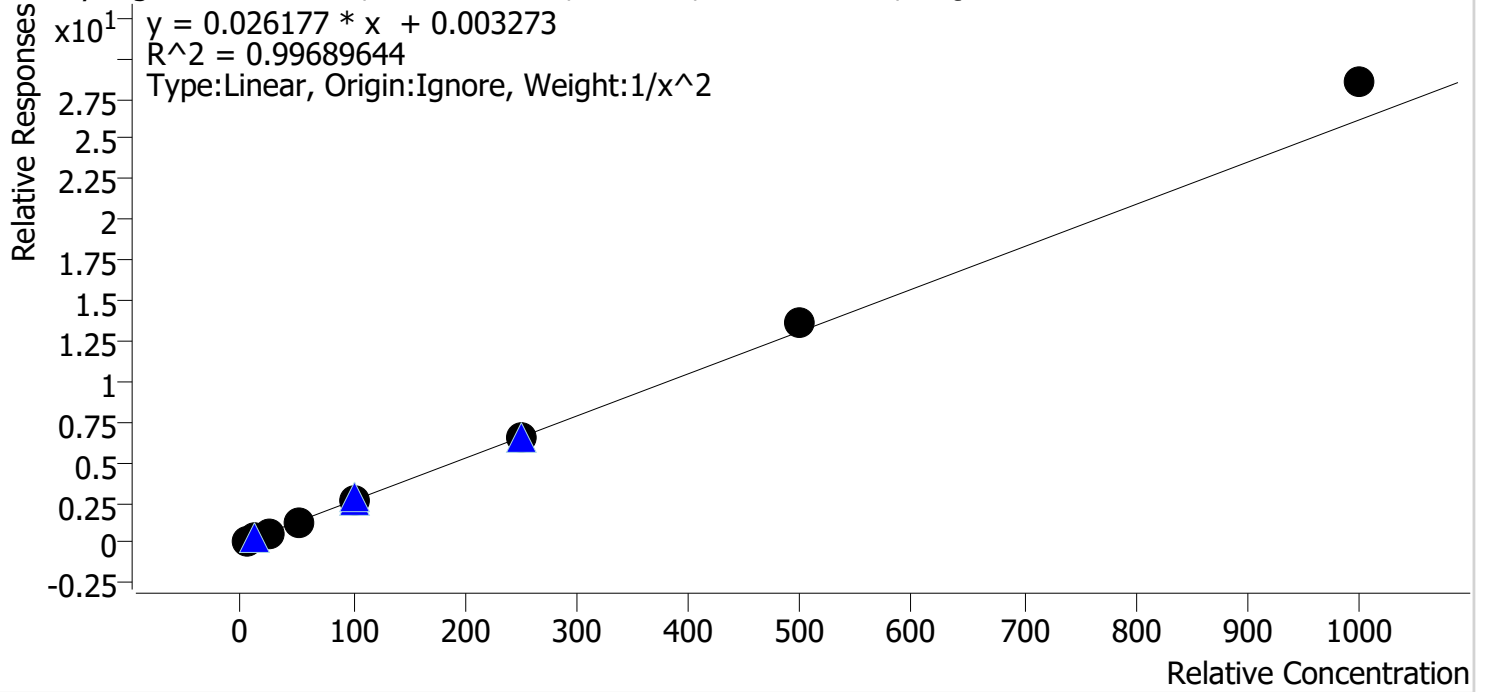
AK



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Last Cal. Update 6/28/2021 7:43 AM
Analyst Name ISP\lagerheart
Analyte Benzoylecgonine **Internal Standard** Benzoylecgonine-d8

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



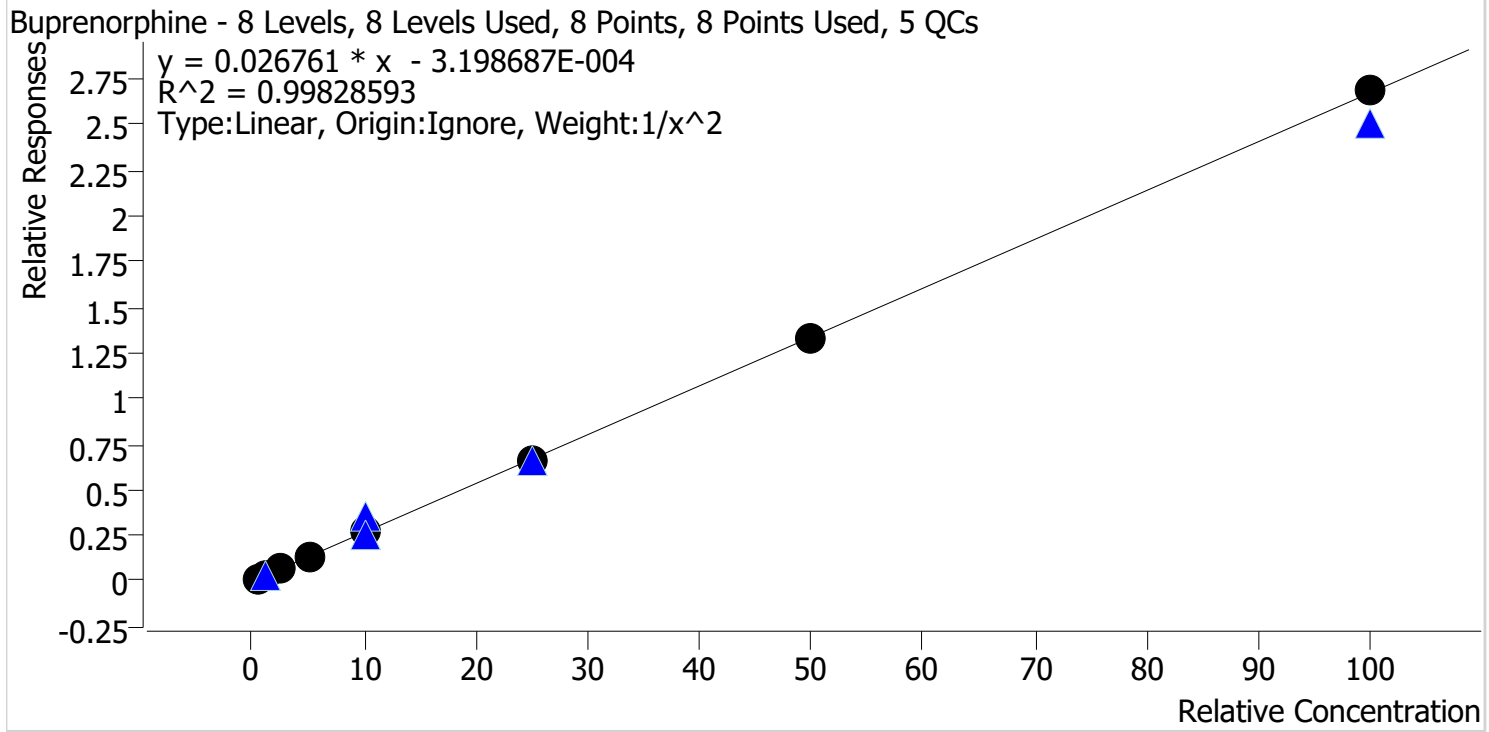
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 5.1 | 103.0 |
| p1 Cal 2-10ng | 2 | ✓ | 10.0 | 9.7 | 96.9 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 23.8 | 95.4 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 48.1 | 96.3 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 96.0 | 96.0 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 249.6 | 99.9 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 518.6 | 103.7 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 1089.5 | 108.9 |

AK



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Last Cal. Update 6/28/2021 7:43 AM
Analyst Name ISP\lagerheart
Analyte Buprenorphine **Internal Standard** Buprenorphine-D4



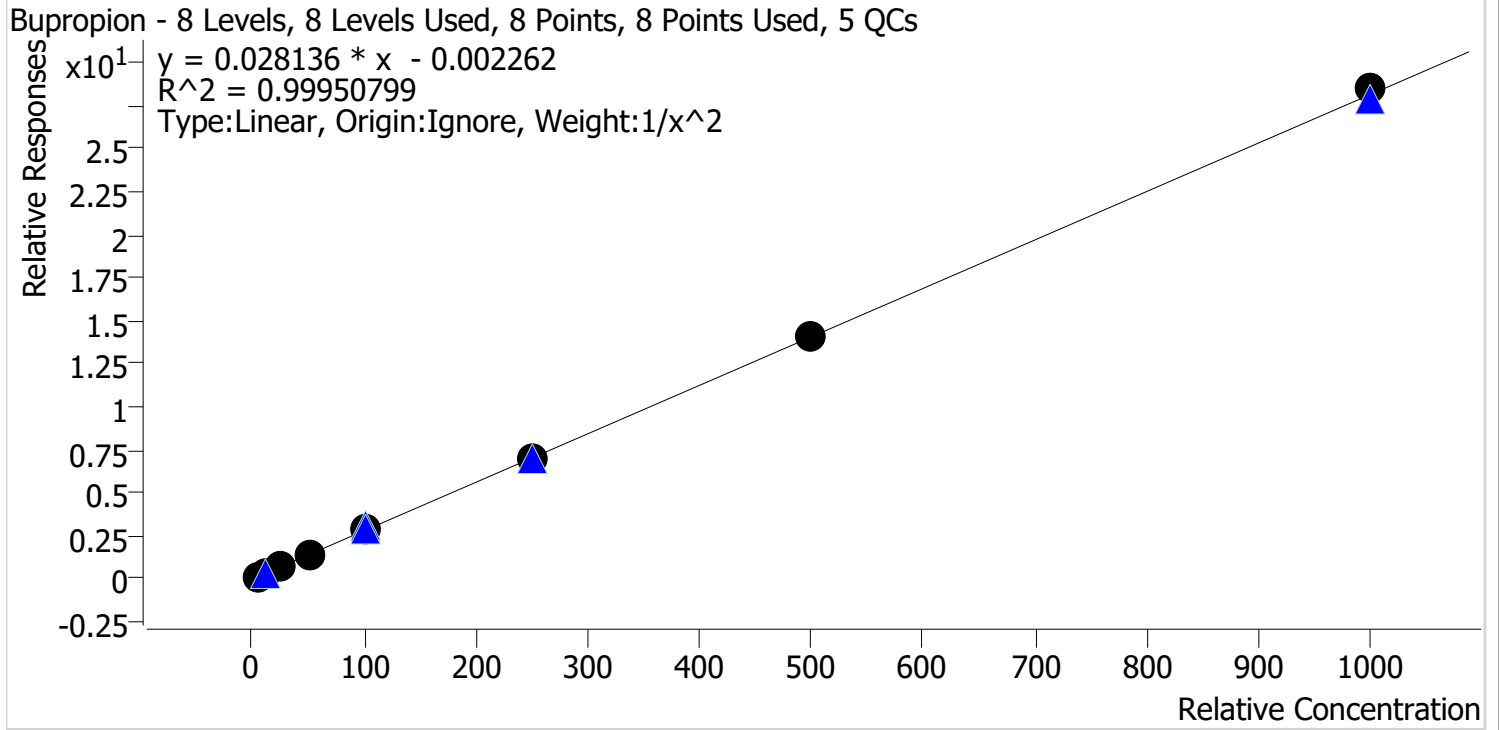
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 0.5 | 0.5 | 99.7 |
| p1 Cal 2-10ng | 2 | ✓ | 1.0 | 1.0 | 102.6 |
| p1 Cal 3 -25ng | 3 | ✓ | 2.5 | 2.3 | 92.3 |
| p1 Cal 4-50ng | 4 | ✓ | 5.0 | 5.2 | 104.1 |
| p1 Cal 5-100ng | 5 | ✓ | 10.0 | 10.2 | 102.2 |
| p1 Cal 6-250ng | 6 | ✓ | 25.0 | 24.6 | 98.5 |
| p1 Cal 7-500ng | 7 | ✓ | 50.0 | 50.0 | 100.0 |
| p1 Cal 8-1000ng | 8 | ✓ | 100.0 | 100.5 | 100.5 |

AK



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Last Cal. Update 6/28/2021 7:43 AM
Analyst Name ISP\lagerheart
Analyte Bupropion **Internal Standard** Bupropion-D9



| 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 | 9.8 | 97.7 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 24.6 | 98.2 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 51.7 | 103.4 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 99.9 | 99.9 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 246.0 | 98.4 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 499.5 | 99.9 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 1012.4 | 101.2 |

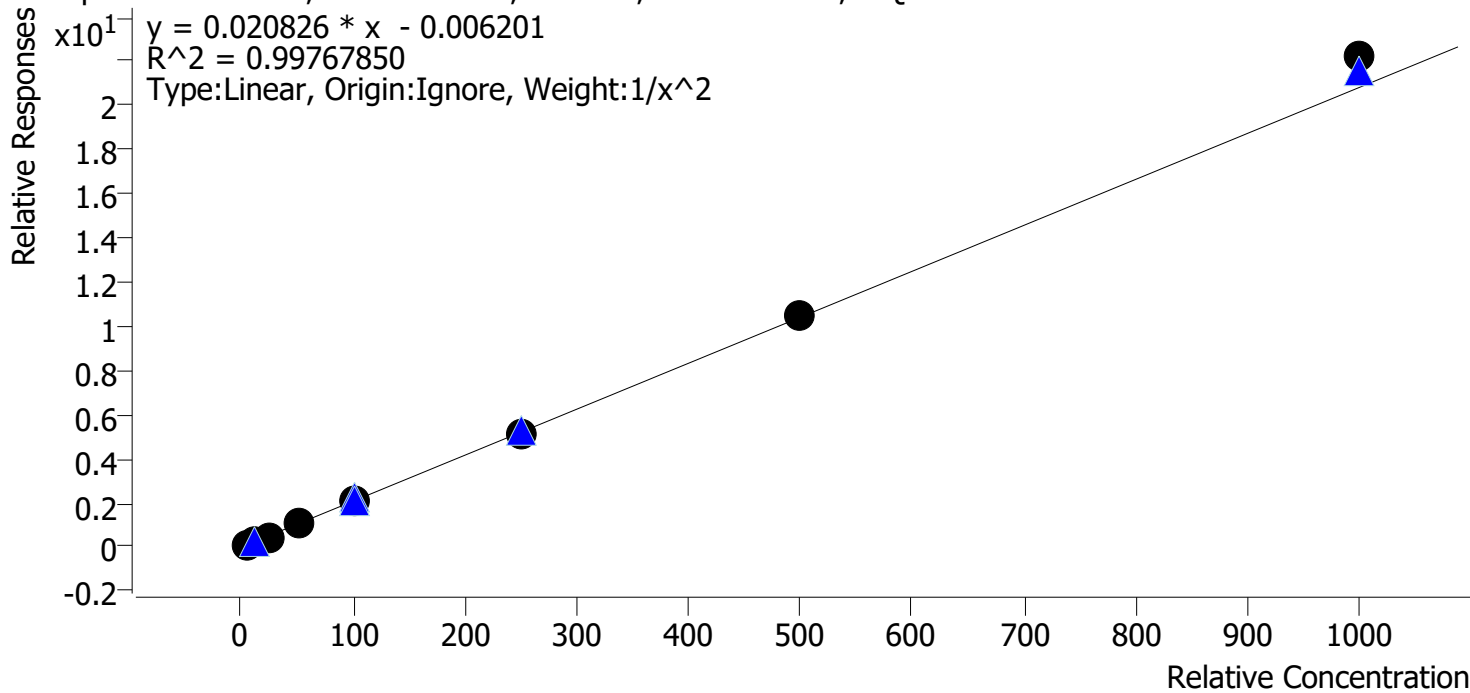
AK



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Last Cal. Update 6/28/2021 7:43 AM
Analyst Name ISP\lagerheart
Analyte Carisoprodol **Internal Standard** Carisoprodol-D7

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



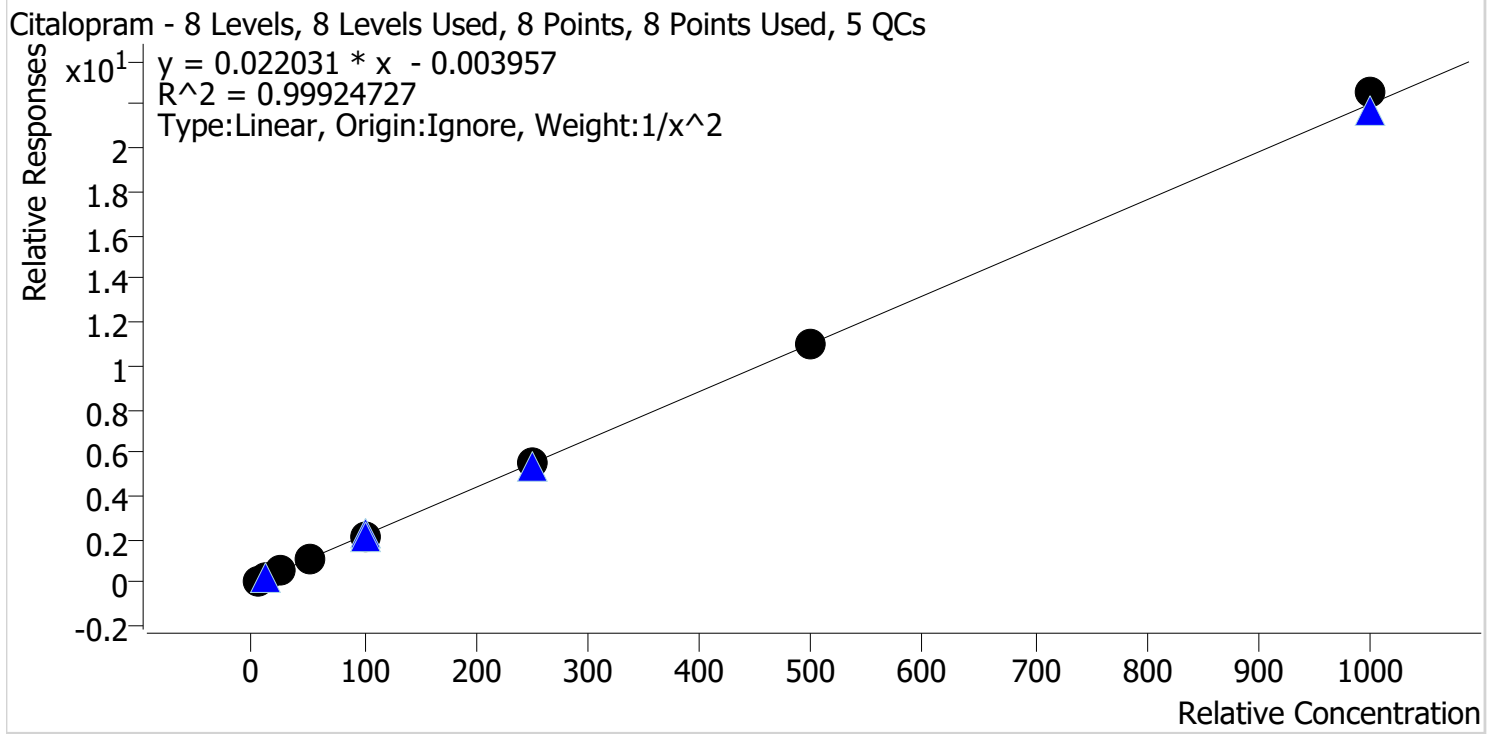
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 5.2 | 103.3 |
| p1 Cal 2-10ng | 2 | ✓ | 10.0 | 9.6 | 95.7 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 23.4 | 93.6 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 50.8 | 101.6 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 98.8 | 98.8 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 247.0 | 98.8 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 507.4 | 101.5 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 1067.2 | 106.7 |

AK



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Last Cal. Update 6/28/2021 7:43 AM
Analyst Name ISP\lagerheart
Analyte Citalopram **Internal Standard** Citalopram-D6



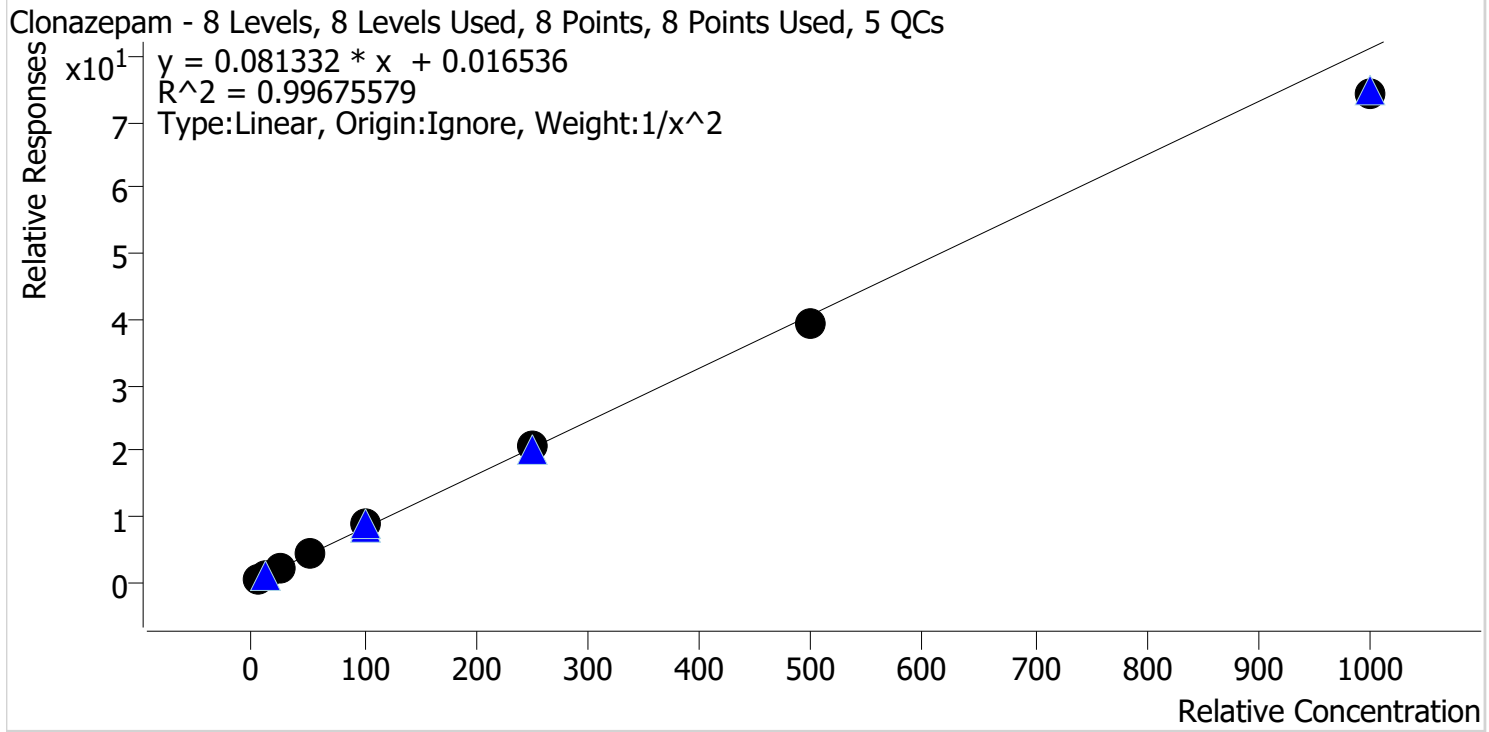
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 5.1 | 101.4 |
| p1 Cal 2-10ng | 2 | ✓ | 10.0 | 9.8 | 97.9 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 24.2 | 97.0 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 51.9 | 103.7 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 97.9 | 97.9 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 248.7 | 99.5 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 501.2 | 100.2 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 1024.0 | 102.4 |

AK



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Last Cal. Update 6/28/2021 7:43 AM
Analyst Name ISP\lagerheart
Analyte Clonazepam **Internal Standard** Clonazepam-D4



| 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 | 9.8 | 98.4 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 25.5 | 101.9 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 53.7 | 107.4 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 104.8 | 104.8 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 251.1 | 100.4 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 480.9 | 96.2 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 914.4 | 91.4 |

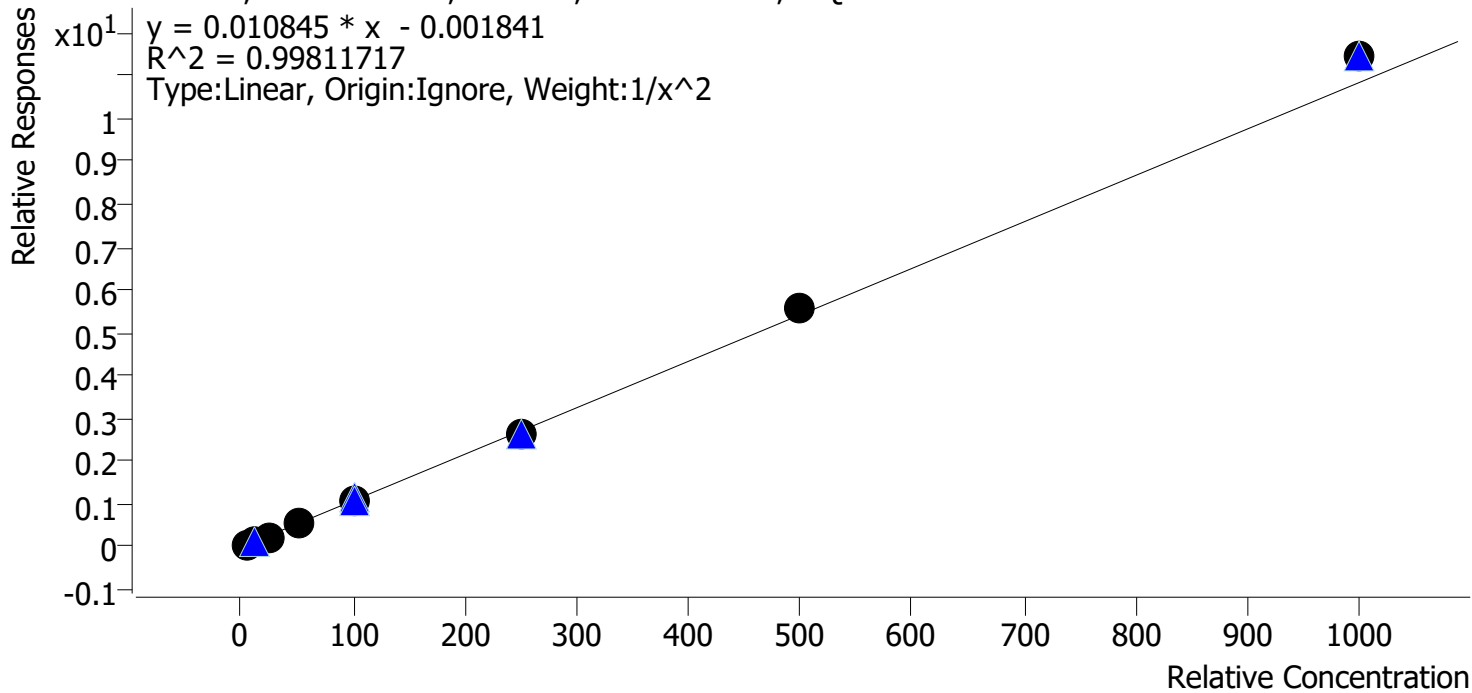
AK



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Last Cal. Update 6/28/2021 7:43 AM
Analyst Name ISP\lagerheart
Analyte Cocaine **Internal Standard** Cocaine-d3

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



| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 5.1 | 102.9 |
| p1 Cal 2-10ng | 2 | ✓ | 10.0 | 9.6 | 96.2 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 23.6 | 94.6 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 50.8 | 101.7 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 97.8 | 97.8 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 246.5 | 98.6 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 513.2 | 102.6 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 1055.9 | 105.6 |

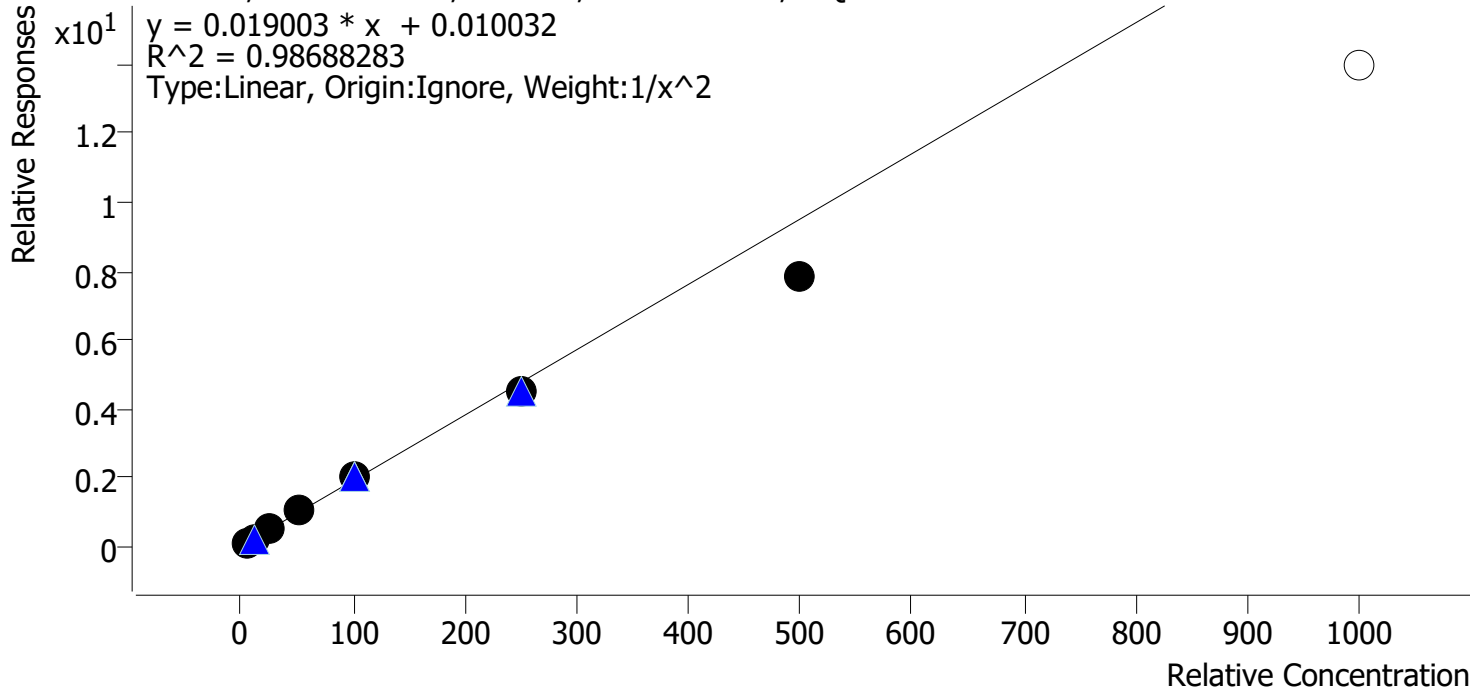
AK



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Last Cal. Update 6/28/2021 7:43 AM
Analyst Name ISP\lagerheart
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 | 4.8 | 95.5 |
| p1 Cal 2-10ng | 2 | ✓ | 10.0 | 10.4 | 104.5 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 26.3 | 105.4 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 56.0 | 112.0 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 105.6 | 105.6 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 235.4 | 94.2 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 414.6 | 82.9 |
| p1 Cal 8-1000ng | 8 | ✗ | 1000.0 | 737.2 | 73.7 |

* Cal 8 dropped due to accuracy

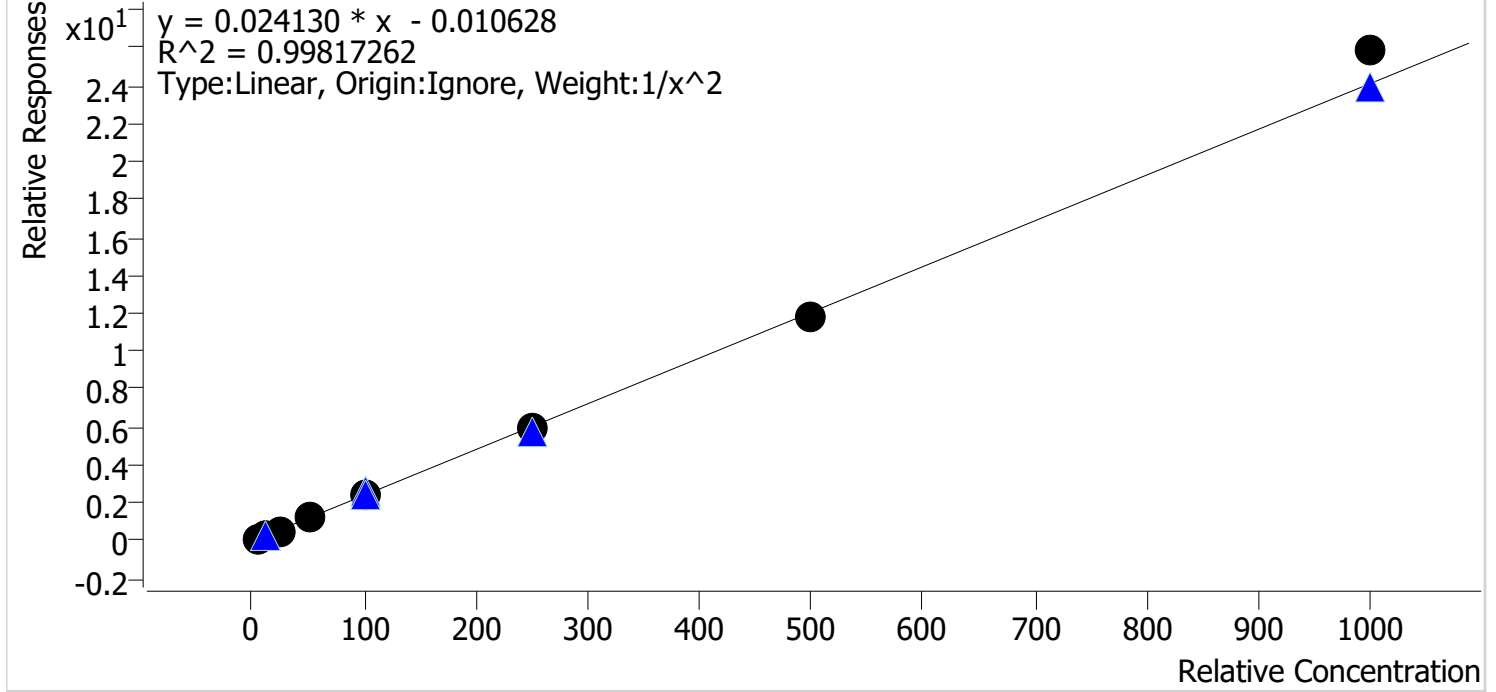
AK



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Last Cal. Update 6/28/2021 7:43 AM
Analyst Name ISP\lagerheart
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 | 5.0 | 100.7 |
| p1 Cal 2-10ng | 2 | ✓ | 10.0 | 10.1 | 100.8 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 23.8 | 95.0 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 48.6 | 97.3 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 101.9 | 101.9 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 249.5 | 99.8 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 486.2 | 97.2 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 1072.1 | 107.2 |

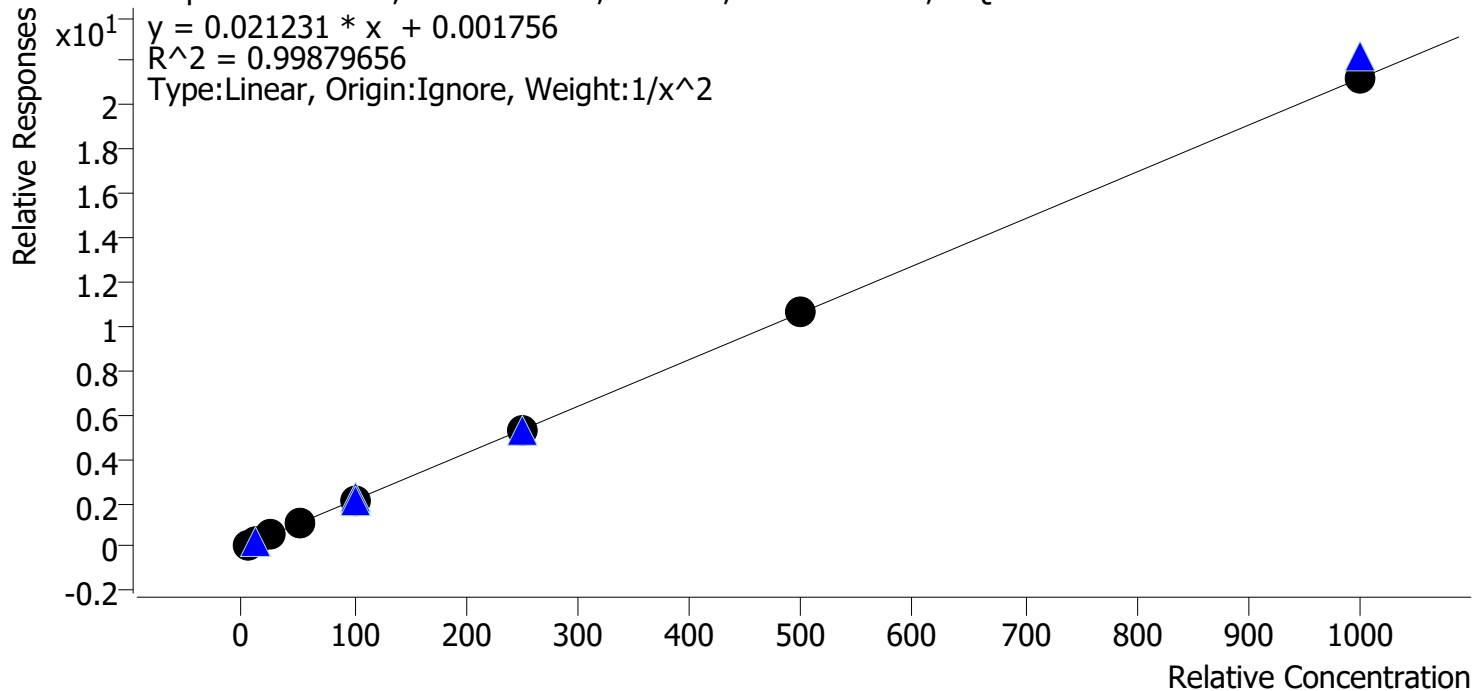
AK



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Last Cal. Update 6/28/2021 7:43 AM
Analyst Name ISP\lagerheart
Analyte Dextromethorphan **Internal Standard** Dextromethorphan-D3

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



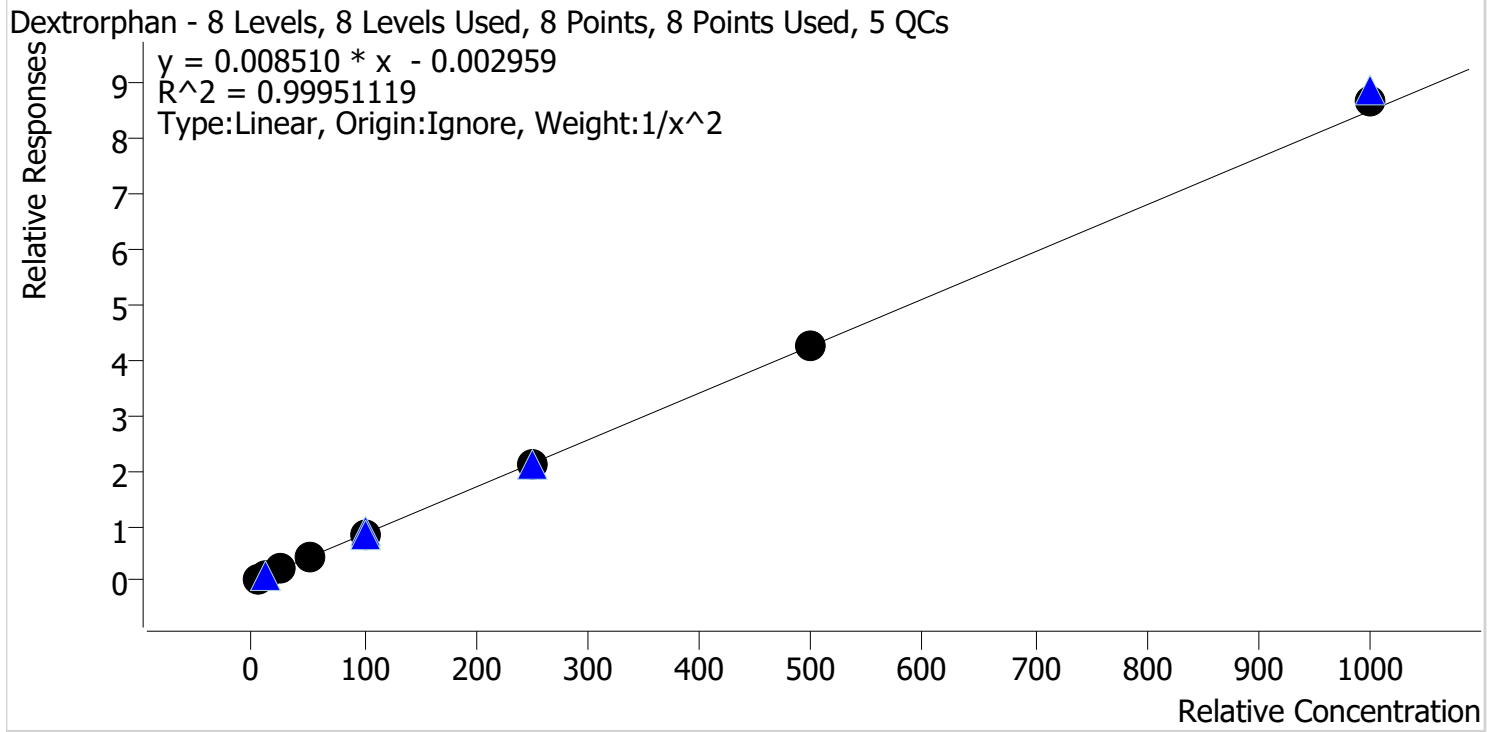
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 4.9 | 98.4 |
| p1 Cal 2-10ng | 2 | ✓ | 10.0 | 10.5 | 105.0 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 23.6 | 94.6 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 51.2 | 102.3 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 99.3 | 99.3 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 249.1 | 99.6 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 502.8 | 100.6 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 1002.3 | 100.2 |

AK



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Last Cal. Update 6/28/2021 7:43 AM
Analyst Name ISP\lagerheart
Analyte Dextrophan Internal Standard Dextrophan-D3



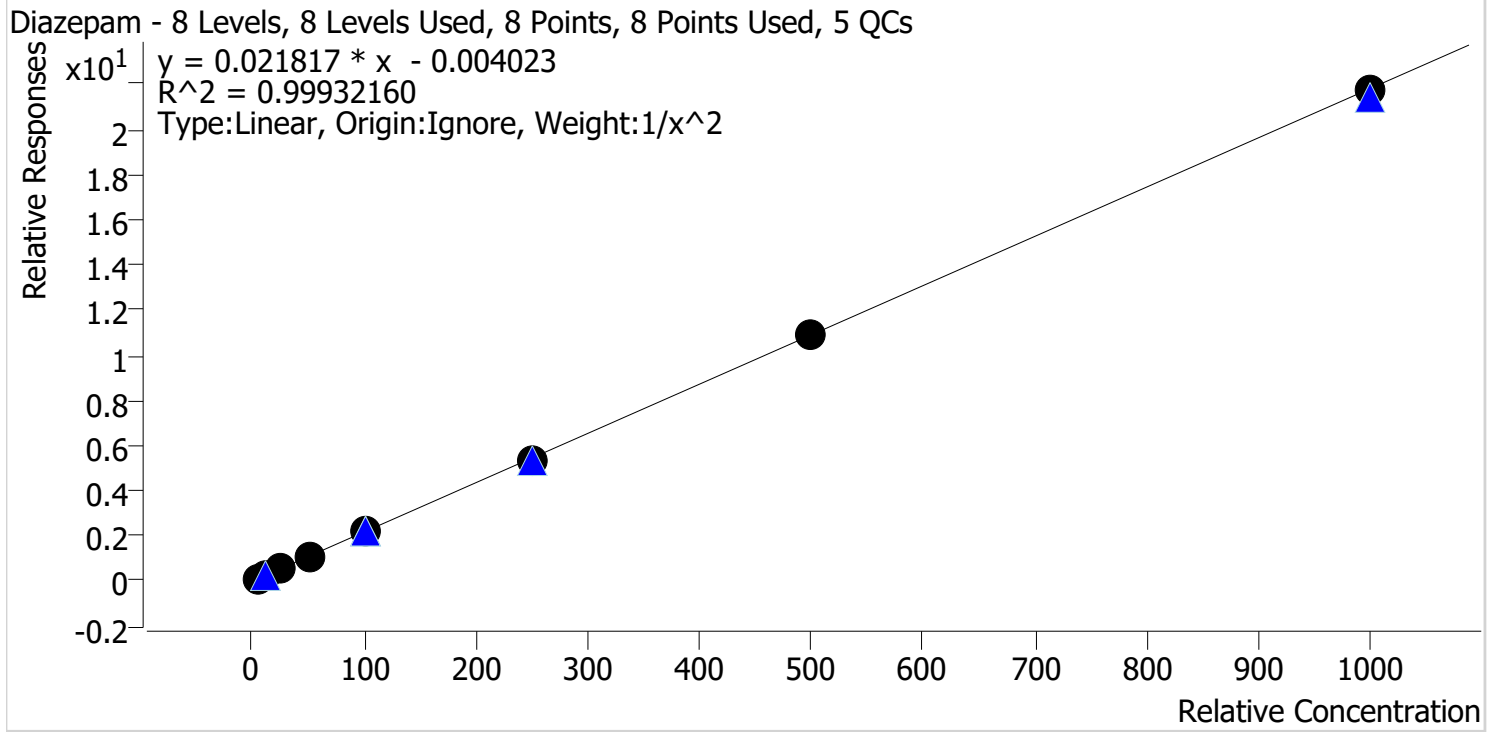
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 5.0 | 100.2 |
| p1 Cal 2-10ng | 2 | ✓ | 10.0 | 10.0 | 100.0 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 24.4 | 97.7 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 51.8 | 103.6 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 98.6 | 98.6 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 245.9 | 98.4 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 498.6 | 99.7 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 1017.7 | 101.8 |

AK



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Last Cal. Update 6/28/2021 7:43 AM
Analyst Name ISP\lagerheart
Analyte Diazepam **Internal Standard** Diazepam-D5



| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 5.0 | 100.8 |
| p1 Cal 2-10ng | 2 | ✓ | 10.0 | 9.8 | 98.3 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 24.5 | 97.8 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 52.5 | 105.1 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 99.9 | 99.9 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 246.8 | 98.7 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 498.8 | 99.8 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 995.9 | 99.6 |

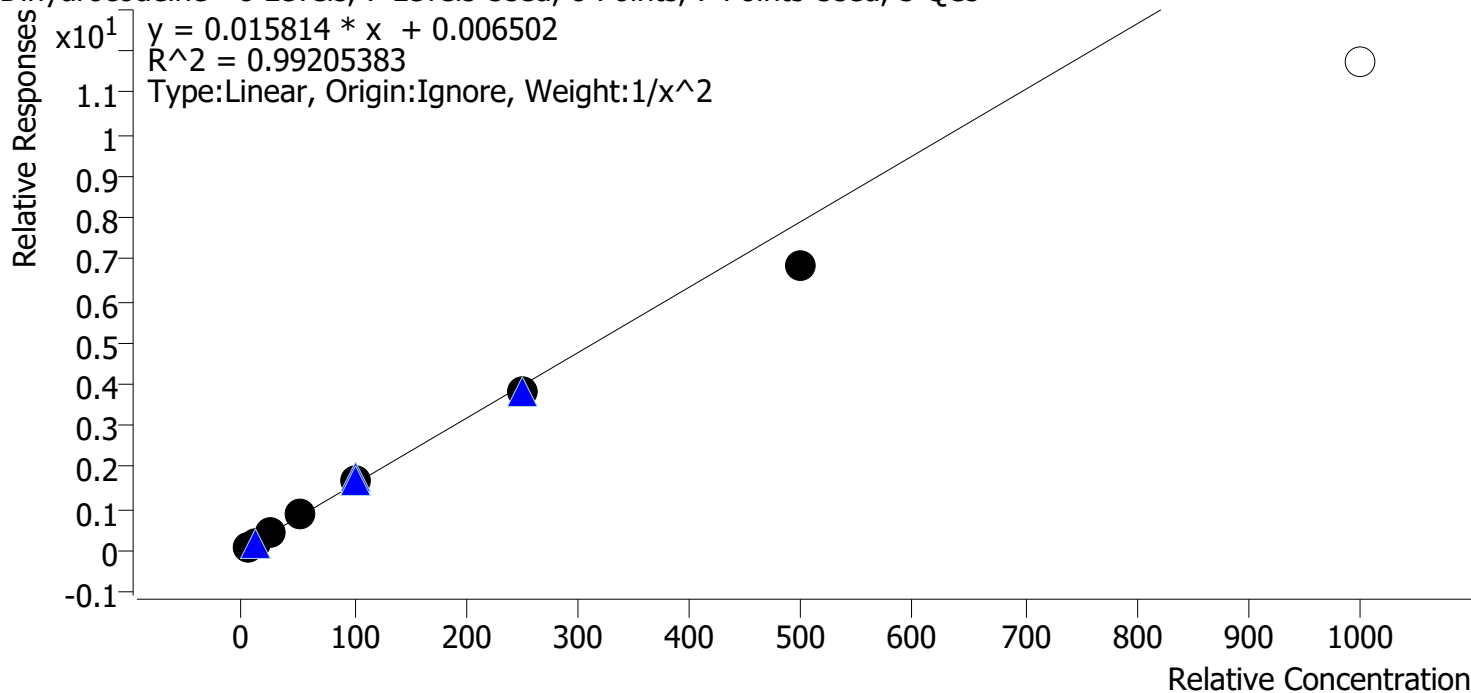
AK



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Last Cal. Update 6/28/2021 7:43 AM
Analyst Name ISP\lagerheart
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 | 98.2 |
| p1 Cal 2-10ng | 2 | ✓ | 10.0 | 10.0 | 100.3 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 25.6 | 102.4 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 55.1 | 110.3 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 105.7 | 105.7 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 241.6 | 96.7 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 432.0 | 86.4 |
| p1 Cal 8-1000ng | 8 | ✗ | 1000.0 | 744.6 | 74.5 |

* Cal 8 dropped due to accuracy

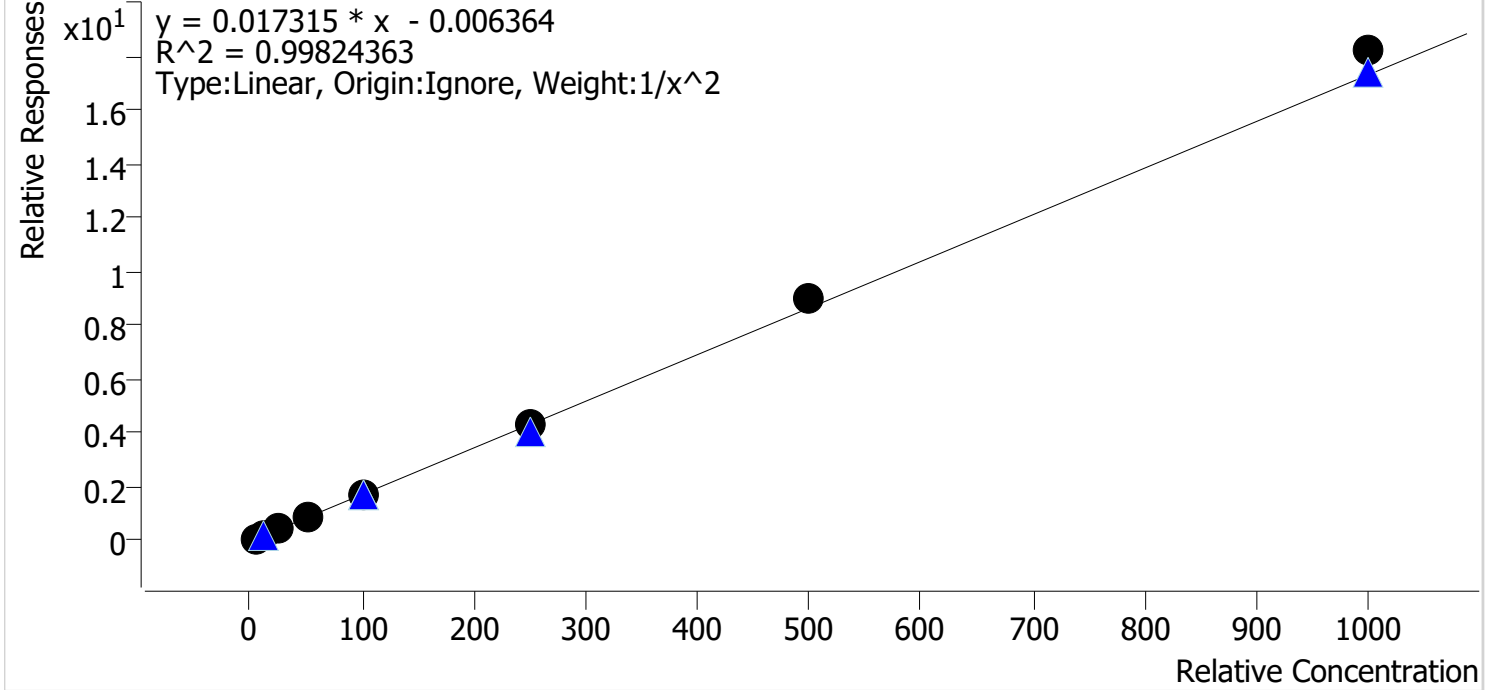
AK



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Last Cal. Update 6/28/2021 7:43 AM
Analyst Name ISP\lagerheart
Analyte Diphenhydramine **Internal Standard** Diphenhydramine-D3

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



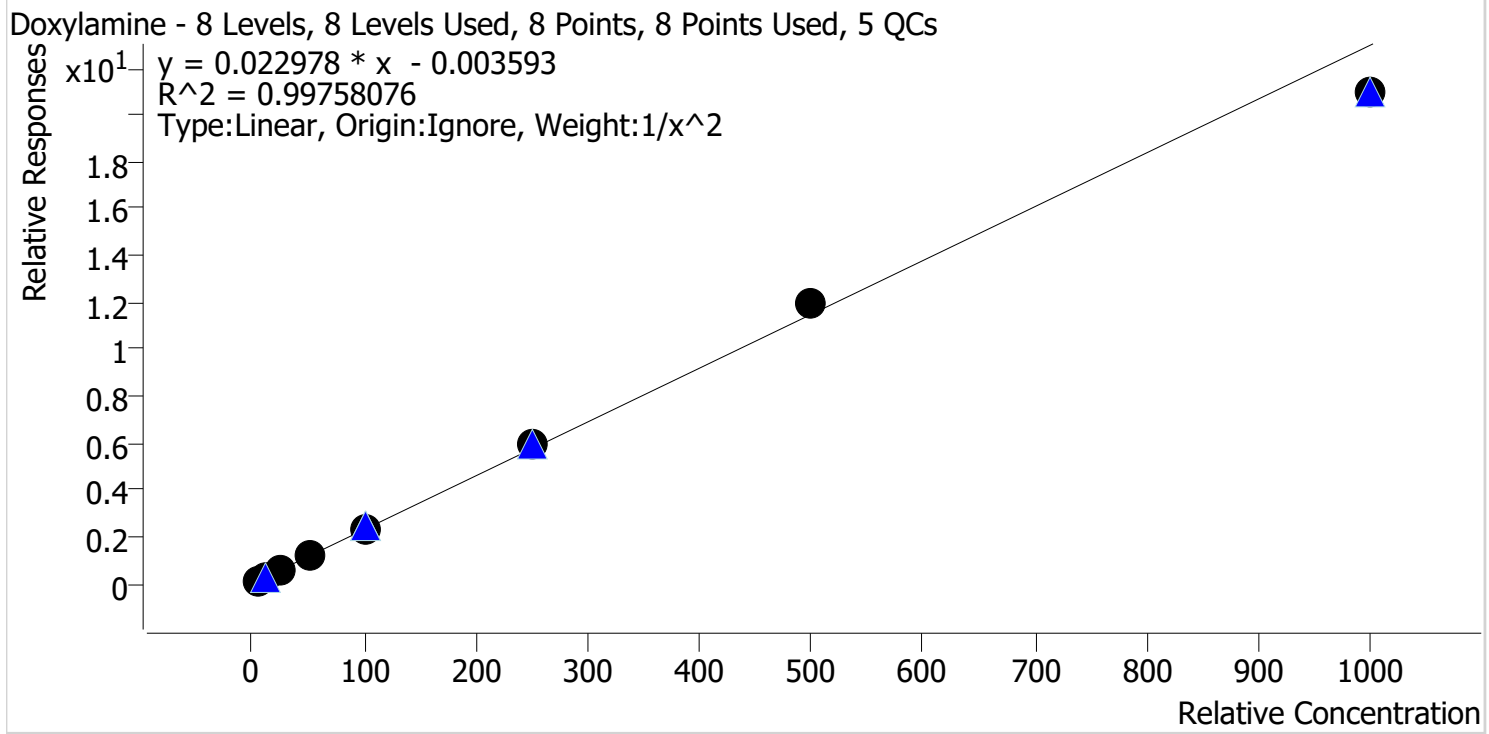
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 5.1 | 102.9 |
| p1 Cal 2-10ng | 2 | ✓ | 10.0 | 9.6 | 96.2 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 23.7 | 94.9 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 50.2 | 100.5 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 97.9 | 97.9 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 247.4 | 99.0 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 516.8 | 103.4 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 1052.1 | 105.2 |

AK



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Last Cal. Update 6/28/2021 7:43 AM
Analyst Name ISP\lagerheart
Analyte Doxylamine **Internal Standard** Doxylamine-D5



| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 5.0 | 100.2 |
| p1 Cal 2-10ng | 2 | ✓ | 10.0 | 10.0 | 99.6 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 24.4 | 97.6 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 52.1 | 104.2 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 100.3 | 100.3 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 258.3 | 103.3 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 518.6 | 103.7 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 911.0 | 91.1 |

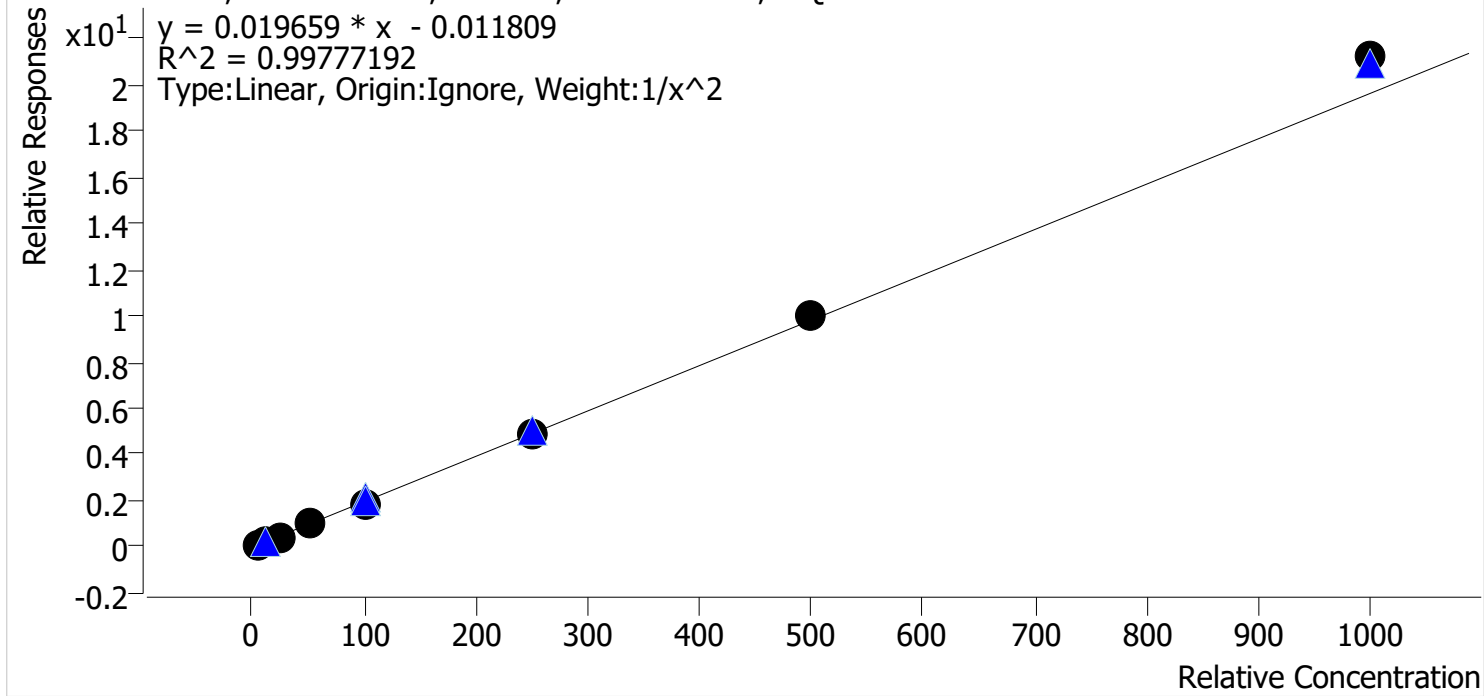
AK



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Last Cal. Update 6/28/2021 7:43 AM
Analyst Name ISP\lagerheart
Analyte EDDP **Internal Standard** EDDP-D3

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



| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 5.1 | 102.5 |
| p1 Cal 2-10ng | 2 | ✓ | 10.0 | 9.7 | 96.9 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 24.1 | 96.5 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 49.7 | 99.5 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 96.0 | 96.0 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 246.0 | 98.4 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 510.8 | 102.2 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 1081.2 | 108.1 |

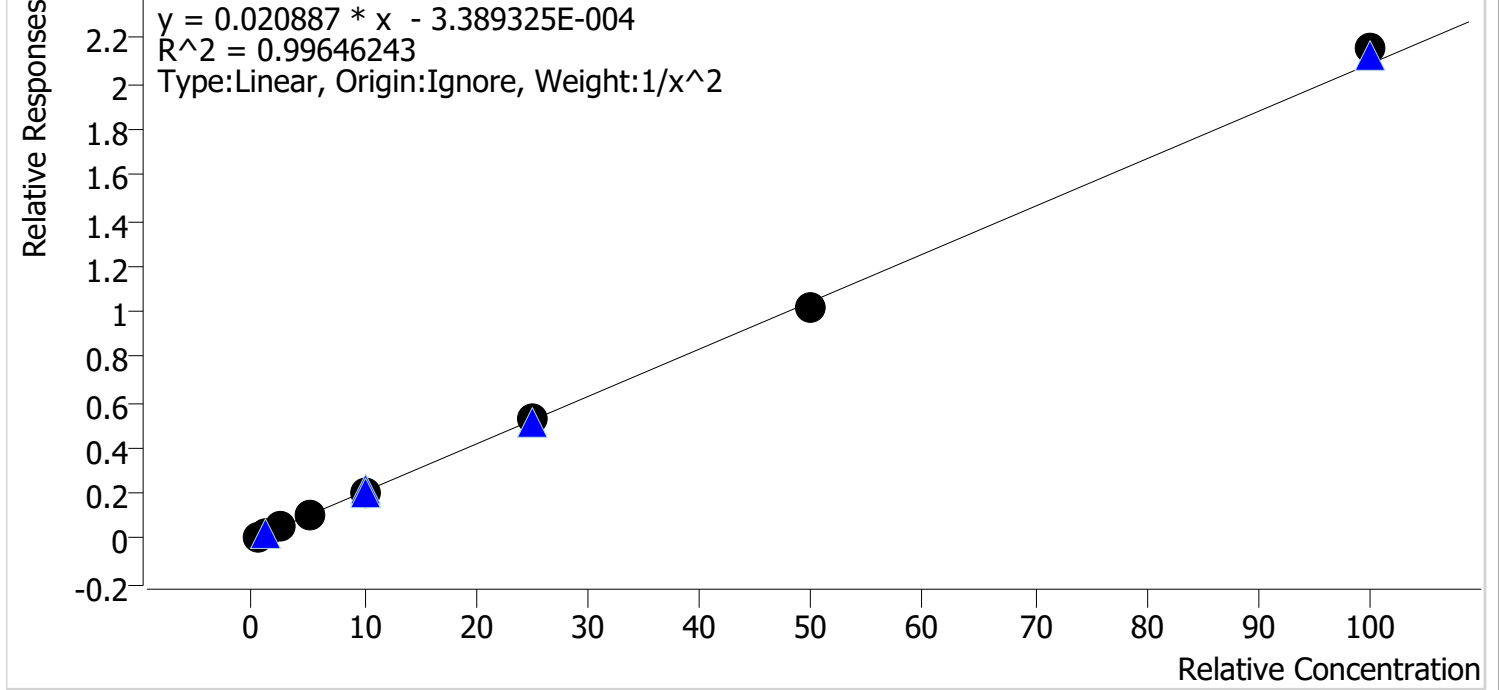
AK



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Last Cal. Update 6/28/2021 7:43 AM
Analyst Name ISP\lagerheart
Analyte Fentanyl **Internal Standard** Fentanyl-D5

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



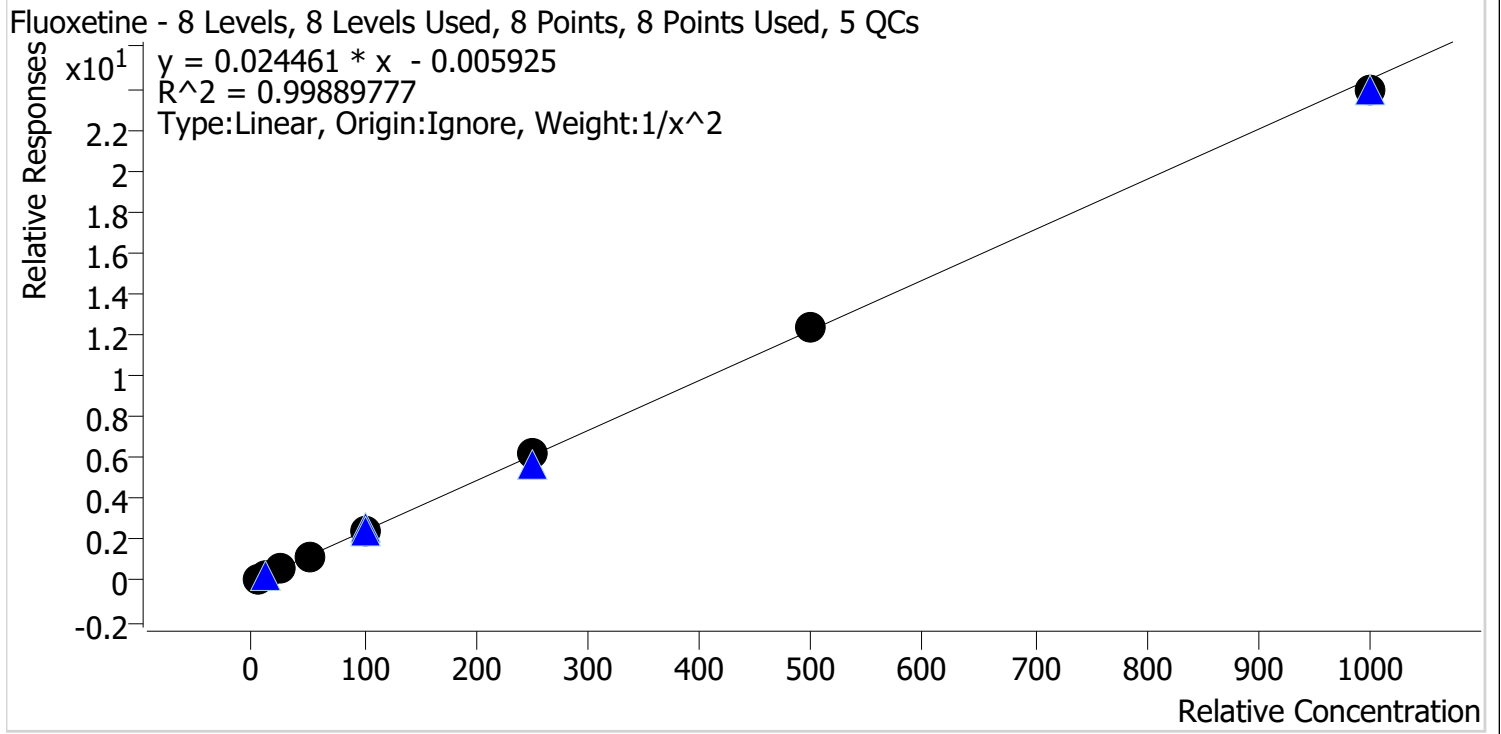
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 0.5 | 0.5 | 104.6 |
| p1 Cal 2-10ng | 2 | ✓ | 1.0 | 0.9 | 89.0 |
| p1 Cal 3 -25ng | 3 | ✓ | 2.5 | 2.6 | 103.7 |
| p1 Cal 4-50ng | 4 | ✓ | 5.0 | 5.1 | 102.0 |
| p1 Cal 5-100ng | 5 | ✓ | 10.0 | 9.8 | 98.3 |
| p1 Cal 6-250ng | 6 | ✓ | 25.0 | 25.5 | 102.1 |
| p1 Cal 7-500ng | 7 | ✓ | 50.0 | 48.5 | 97.1 |
| p1 Cal 8-1000ng | 8 | ✓ | 100.0 | 103.2 | 103.2 |

AK



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Last Cal. Update 6/28/2021 7:43 AM
Analyst Name ISP\lagerheart
Analyte Fluoxetine **Internal Standard** Fluoxetine-D6



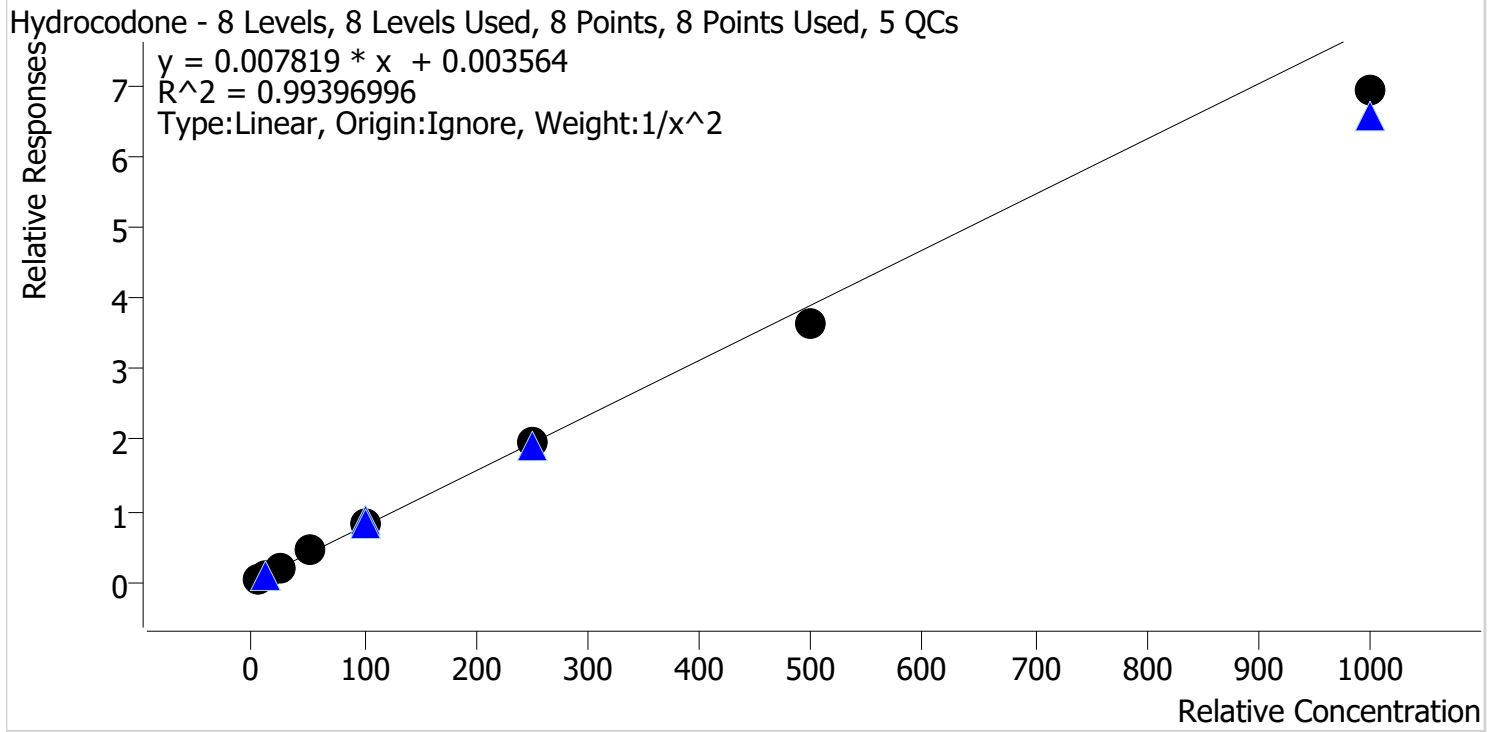
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 5.1 | 102.3 |
| p1 Cal 2-10ng | 2 | ✓ | 10.0 | 9.6 | 95.9 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 24.2 | 96.9 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 51.8 | 103.6 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 100.1 | 100.1 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 256.4 | 102.6 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 505.9 | 101.2 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 975.3 | 97.5 |

AK



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Last Cal. Update 6/28/2021 7:43 AM
Analyst Name ISP\lagerheart
Analyte Hydrocodone **Internal Standard** Hydrocodone-D6



| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 4.8 | 96.7 |
| p1 Cal 2-10ng | 2 | ✓ | 10.0 | 10.3 | 102.6 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 26.3 | 105.2 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 54.4 | 108.8 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 104.7 | 104.7 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 250.8 | 100.3 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 464.7 | 92.9 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 887.9 | 88.8 |

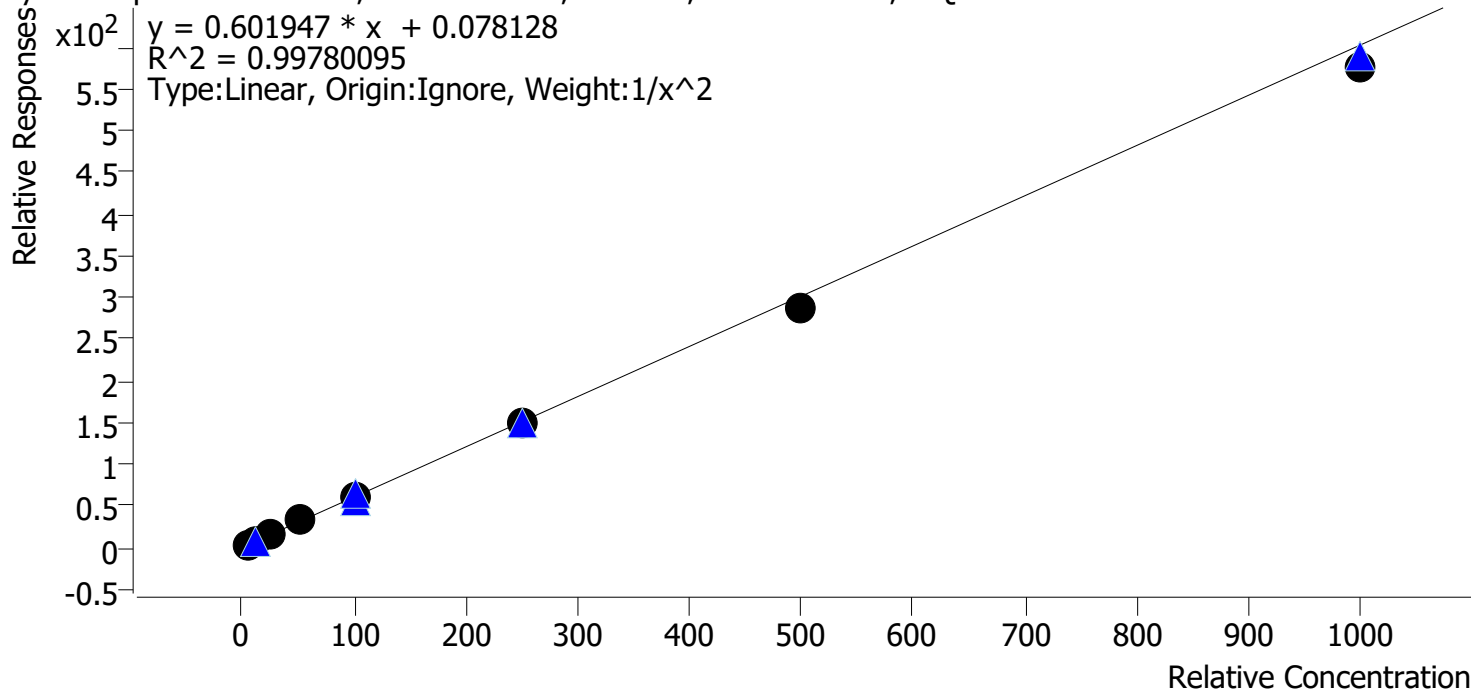
AK



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Last Cal. Update 6/28/2021 7:43 AM
Analyst Name ISP\lagerheart
Analyte Hydromorphone **Internal Standard** Morphine-D6

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



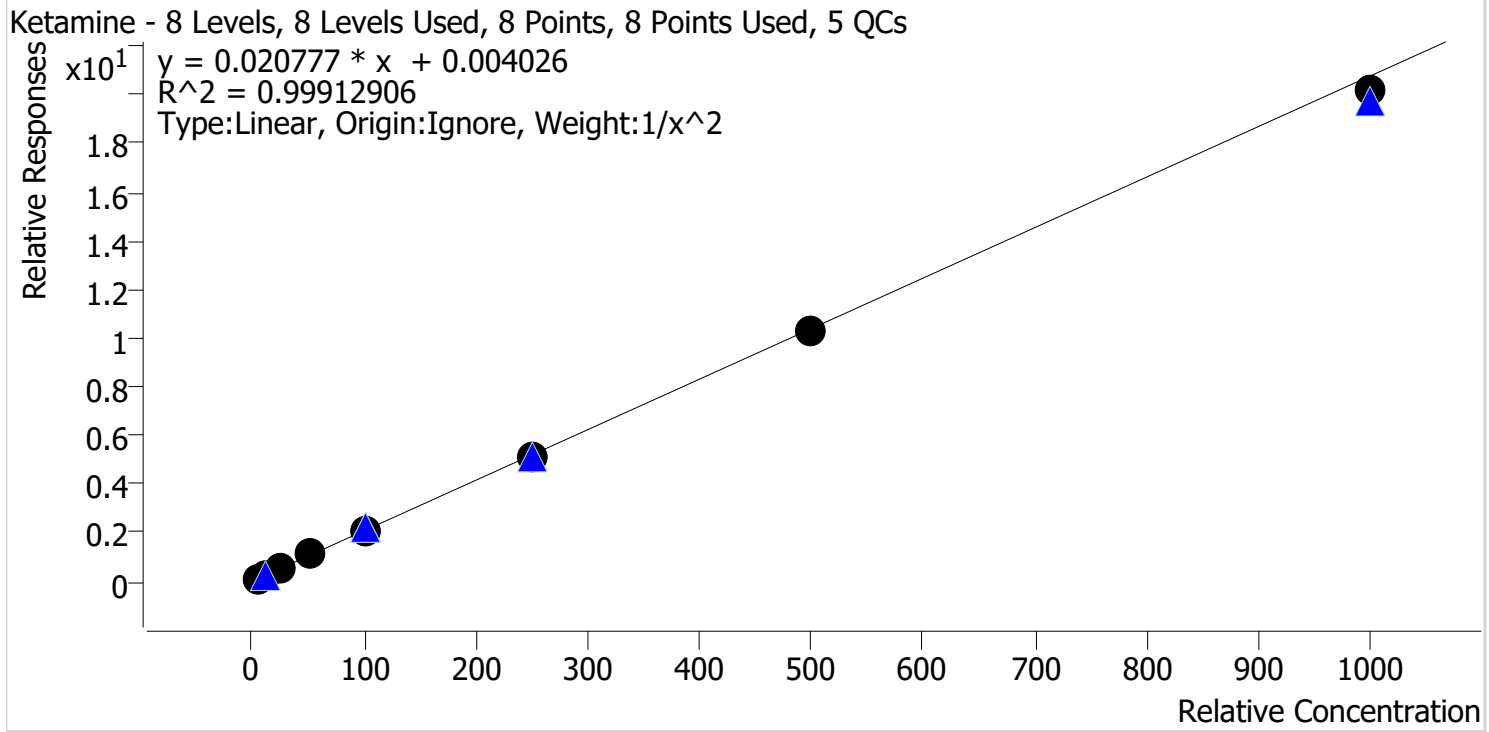
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 5.0 | 99.9 |
| p1 Cal 2-10ng | 2 | ✓ | 10.0 | 9.8 | 98.4 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 24.9 | 99.8 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 54.2 | 108.3 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 102.3 | 102.3 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 250.0 | 100.0 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 477.7 | 95.5 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 956.3 | 95.6 |

AK



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Last Cal. Update 6/28/2021 7:43 AM
Analyst Name ISP\lagerheart
Analyte Ketamine **Internal Standard** Ketamine-D4



| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 5.0 | 99.8 |
| p1 Cal 2-10ng | 2 | ✓ | 10.0 | 10.0 | 100.4 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 24.3 | 97.2 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 52.2 | 104.5 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 102.8 | 102.8 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 248.5 | 99.4 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 493.9 | 98.8 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 971.2 | 97.1 |

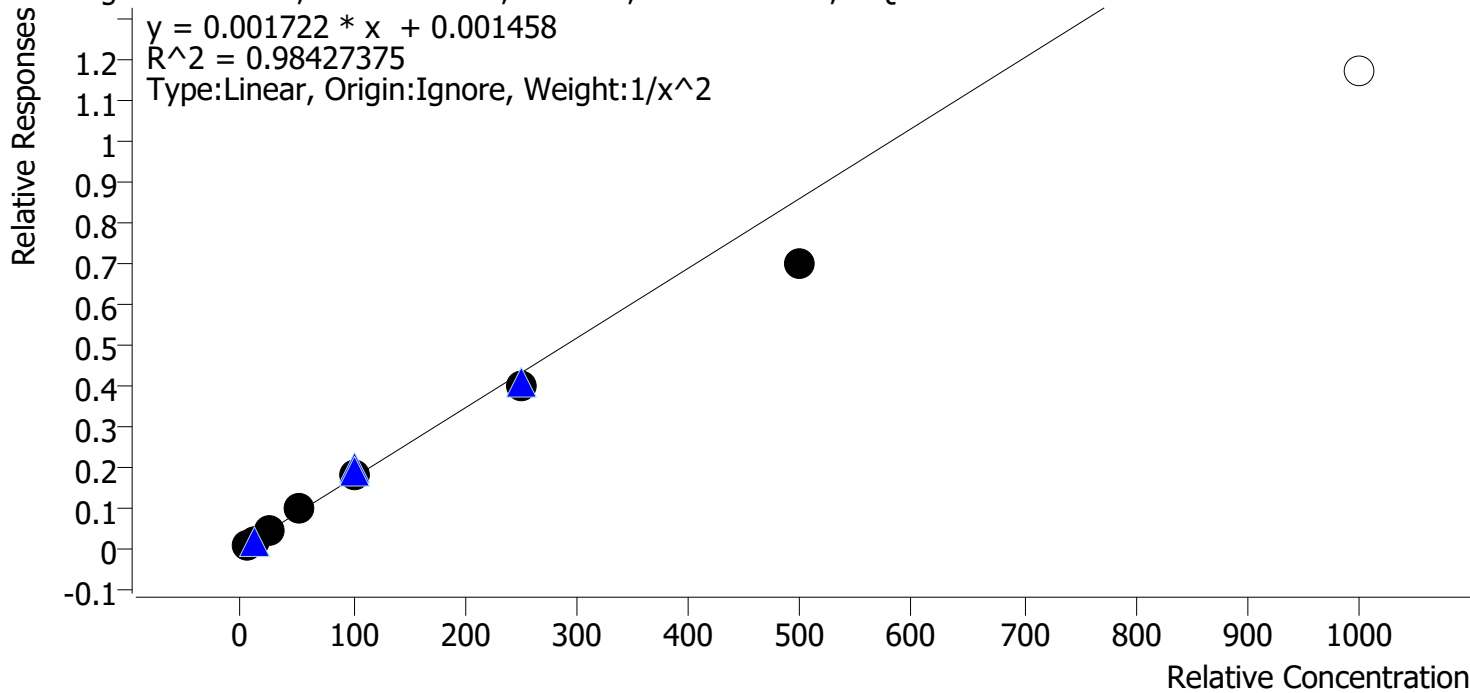
AK



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Last Cal. Update 6/28/2021 7:43 AM
Analyst Name ISP\lagerheart
Analyte Lamotrigine **Internal Standard** Ketamine-D4

Lamotrigine - 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 | 93.6 |
| p1 Cal 2-10ng | 2 | ✓ | 10.0 | 10.8 | 108.2 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 26.4 | 105.6 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 55.7 | 111.3 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 106.2 | 106.2 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 233.1 | 93.2 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 408.8 | 81.8 |
| p1 Cal 8-1000ng | 8 | ✗ | 1000.0 | 680.1 | 68.0 |

* Cal 8 dropped due to accuracy

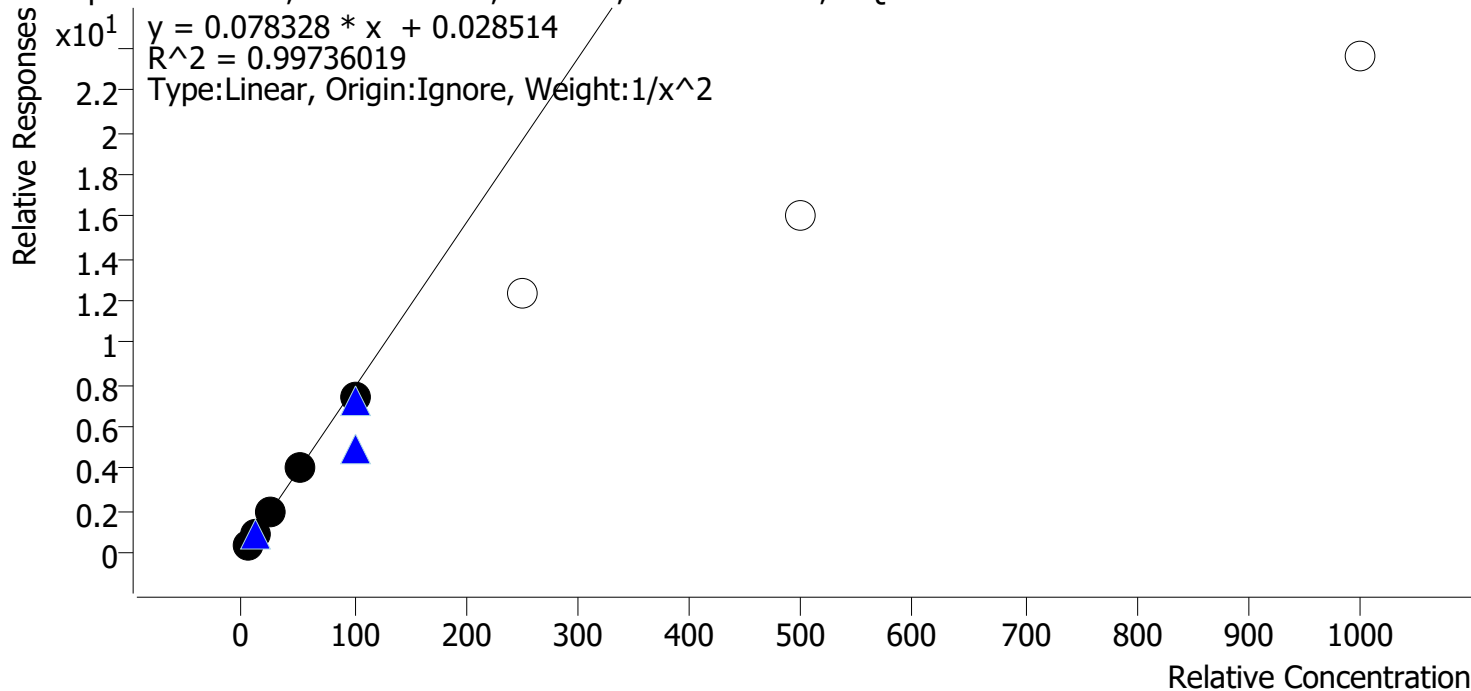
AK



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Last Cal. Update 6/28/2021 7:43 AM
Analyst Name ISP\lagerheart
Analyte Lorazepam **Internal Standard** Clonazepam-D4

Lorazepam - 8 Levels, 5 Levels Used, 8 Points, 5 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 | 102.9 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 25.1 | 100.4 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 52.1 | 104.2 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 94.2 | 94.2 |
| p1 Cal 6-250ng | 6 | ✗ | 250.0 | 158.2 | 63.3 |
| p1 Cal 7-500ng | 7 | ✗ | 500.0 | 205.8 | 41.2 |
| p1 Cal 8-1000ng | 8 | ✗ | 1000.0 | 301.1 | 30.1 |

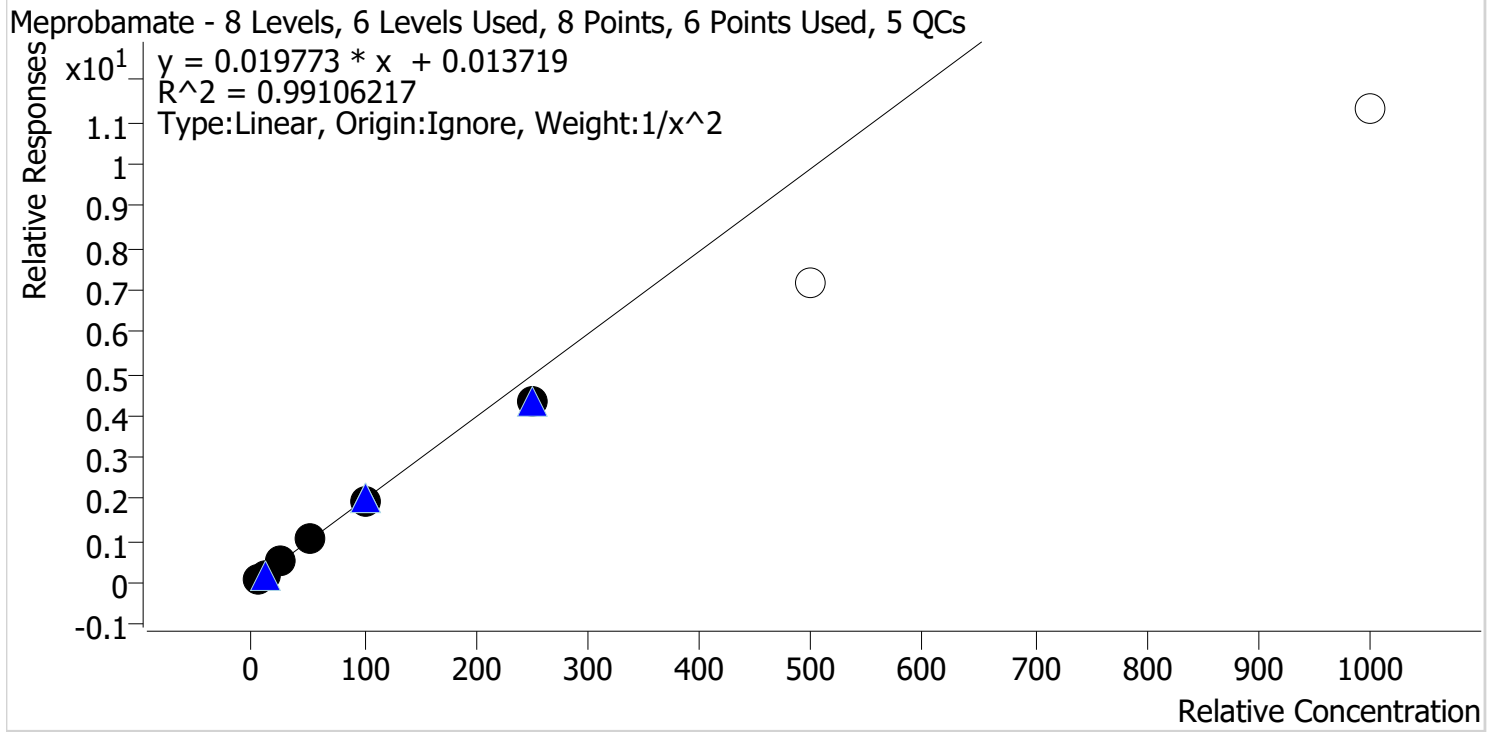
* Cal 6, 7, and 8 dropped due to accuracy

AK



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Last Cal. Update 6/28/2021 7:43 AM
Analyst Name ISP\lagerheart
Analyte Meprobamate **Internal Standard** Meprobamate-D7



| 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 | 10.2 | 102.2 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 26.0 | 104.1 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 55.1 | 110.2 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 99.1 | 99.1 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 217.8 | 87.1 |
| p1 Cal 7-500ng | 7 | ✗ | 500.0 | 363.4 | 72.7 |
| p1 Cal 8-1000ng | 8 | ✗ | 1000.0 | 571.1 | 57.1 |

* Cal 7 and 8 dropped due to accuracy

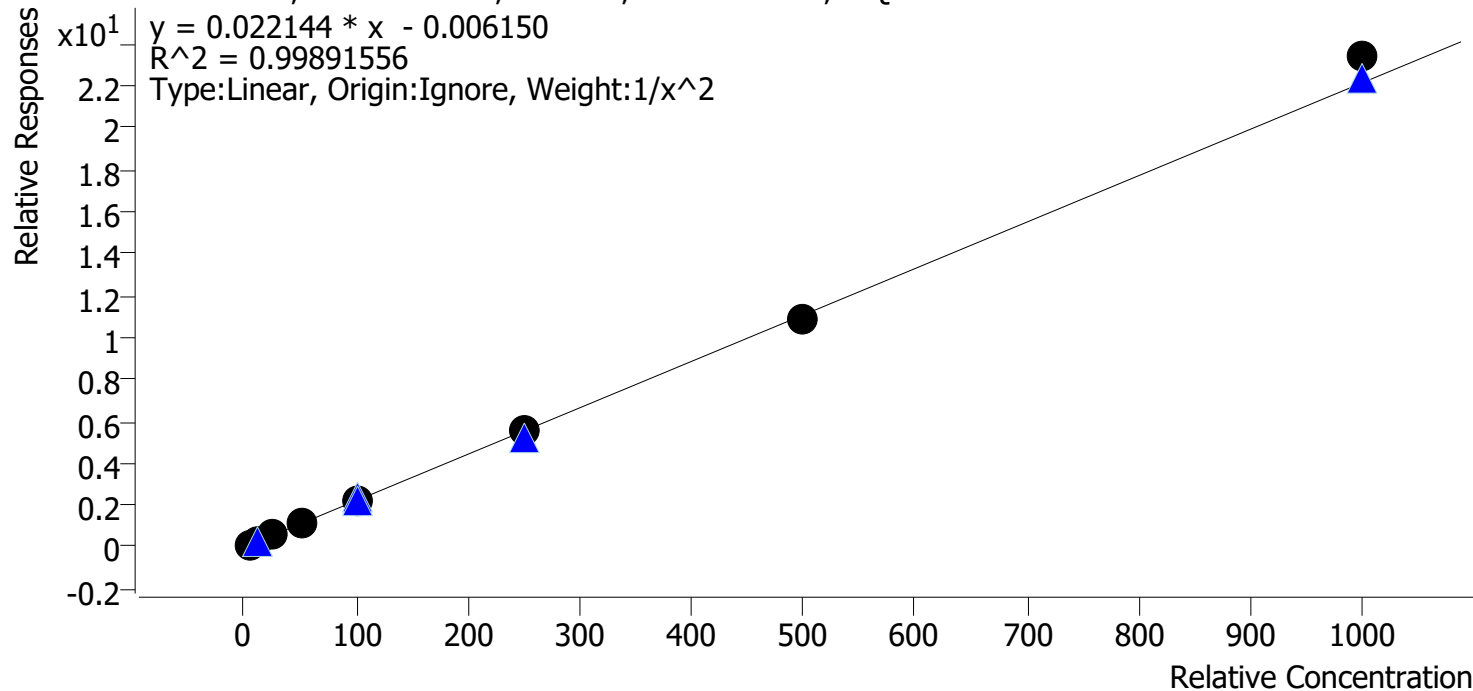
AK



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Last Cal. Update 6/28/2021 7:43 AM
Analyst Name ISP\lagerheart
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 | 102.1 |
| p1 Cal 2-10ng | 2 | ✓ | 10.0 | 9.7 | 96.6 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 24.5 | 97.9 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 50.4 | 100.8 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 99.2 | 99.2 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 249.3 | 99.7 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 490.4 | 98.1 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 1056.5 | 105.7 |

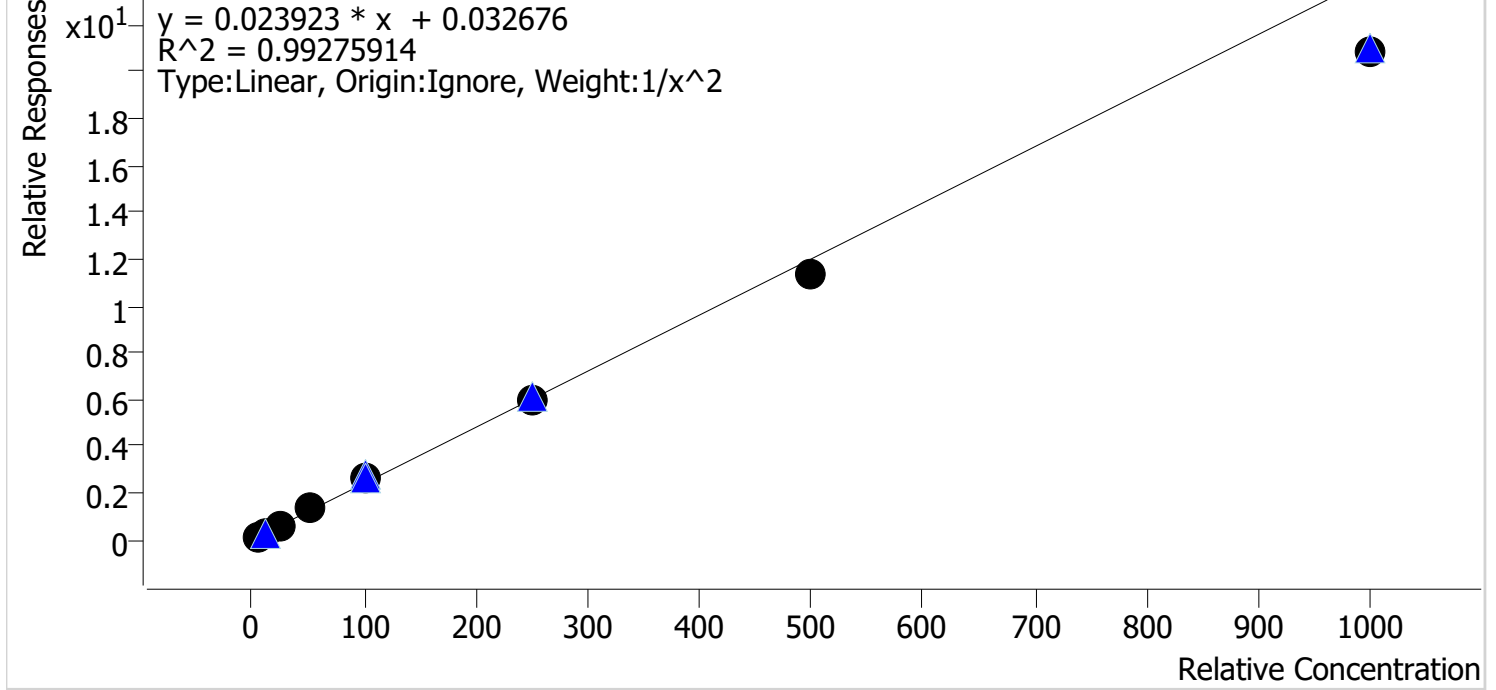
AK



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Last Cal. Update 6/28/2021 7:43 AM
Analyst Name ISP\lagerheart
Analyte Methamphetamine **Internal Standard** Methamphetamine-D11

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



| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 5.0 | 99.5 |
| p1 Cal 2-10ng | 2 | ✓ | 10.0 | 9.7 | 96.8 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 25.9 | 103.6 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 55.5 | 111.0 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 107.1 | 107.1 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 250.1 | 100.0 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 473.8 | 94.8 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 872.0 | 87.2 |

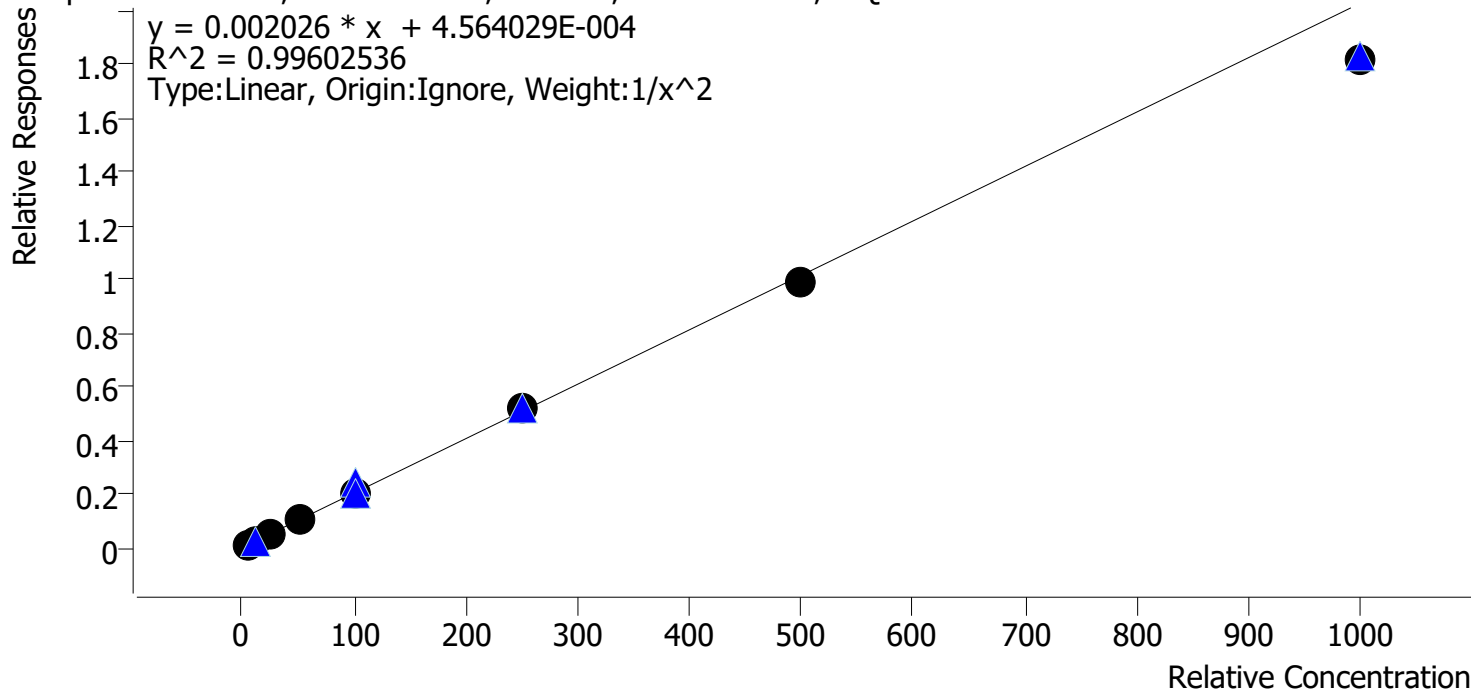
AK



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Last Cal. Update 6/28/2021 7:43 AM
Analyst Name ISP\lagerheart
Analyte Metoprolol **Internal Standard** Tramadol-13C-D3

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



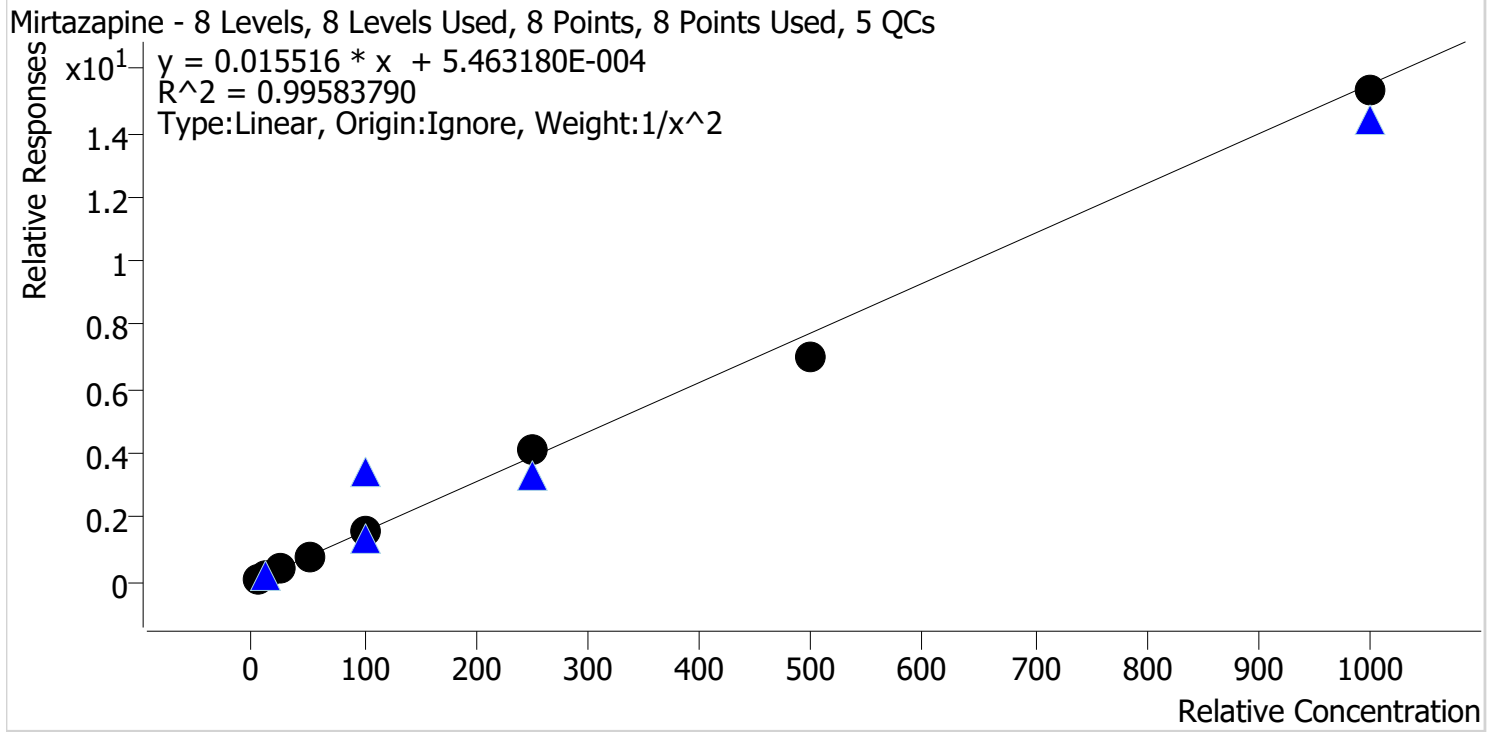
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 4.9 | 98.5 |
| p1 Cal 2-10ng | 2 | ✓ | 10.0 | 10.1 | 101.3 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 24.9 | 99.6 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 54.5 | 109.0 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 102.2 | 102.2 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 255.8 | 102.3 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 488.3 | 97.7 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 895.1 | 89.5 |

AK



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Last Cal. Update 6/28/2021 7:43 AM
Analyst Name ISP\lagerheart
Analyte Mirtazapine **Internal Standard** alpha-PVP-d8



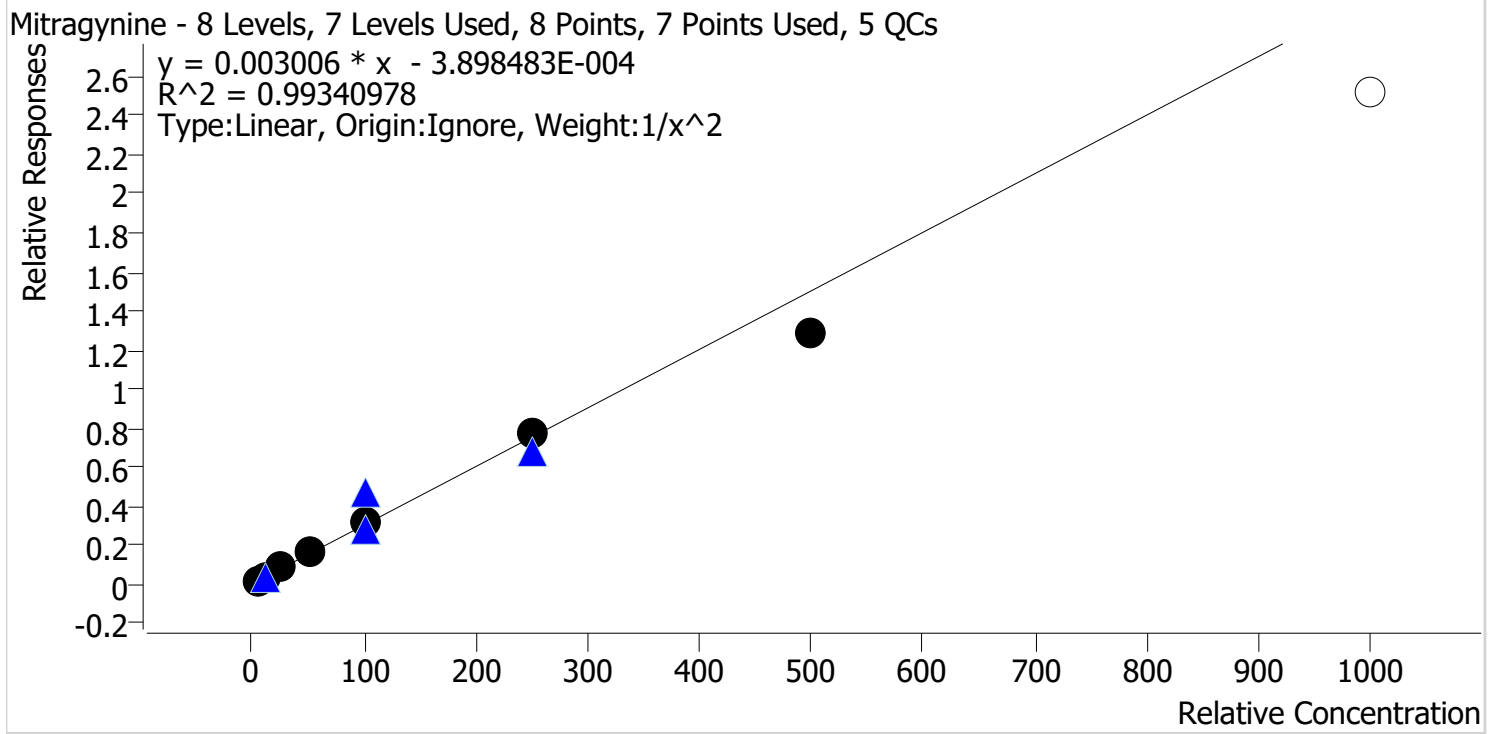
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 5.1 | 102.9 |
| p1 Cal 2-10ng | 2 | ✓ | 10.0 | 9.2 | 92.0 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 25.5 | 102.2 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 52.1 | 104.2 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 104.6 | 104.6 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 261.4 | 104.6 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 454.5 | 90.9 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 987.2 | 98.7 |

AK



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Last Cal. Update 6/28/2021 7:43 AM
Analyst Name ISP\lagerheart
Analyte Mitragynine **Internal Standard** Methadone-D9



| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 4.9 | 98.7 |
| p1 Cal 2-10ng | 2 | ✓ | 10.0 | 9.9 | 99.4 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 26.3 | 105.1 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 52.5 | 105.0 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 104.2 | 104.2 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 255.1 | 102.0 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 427.7 | 85.5 |
| p1 Cal 8-1000ng | 8 | ✗ | 1000.0 | 838.5 | 83.8 |

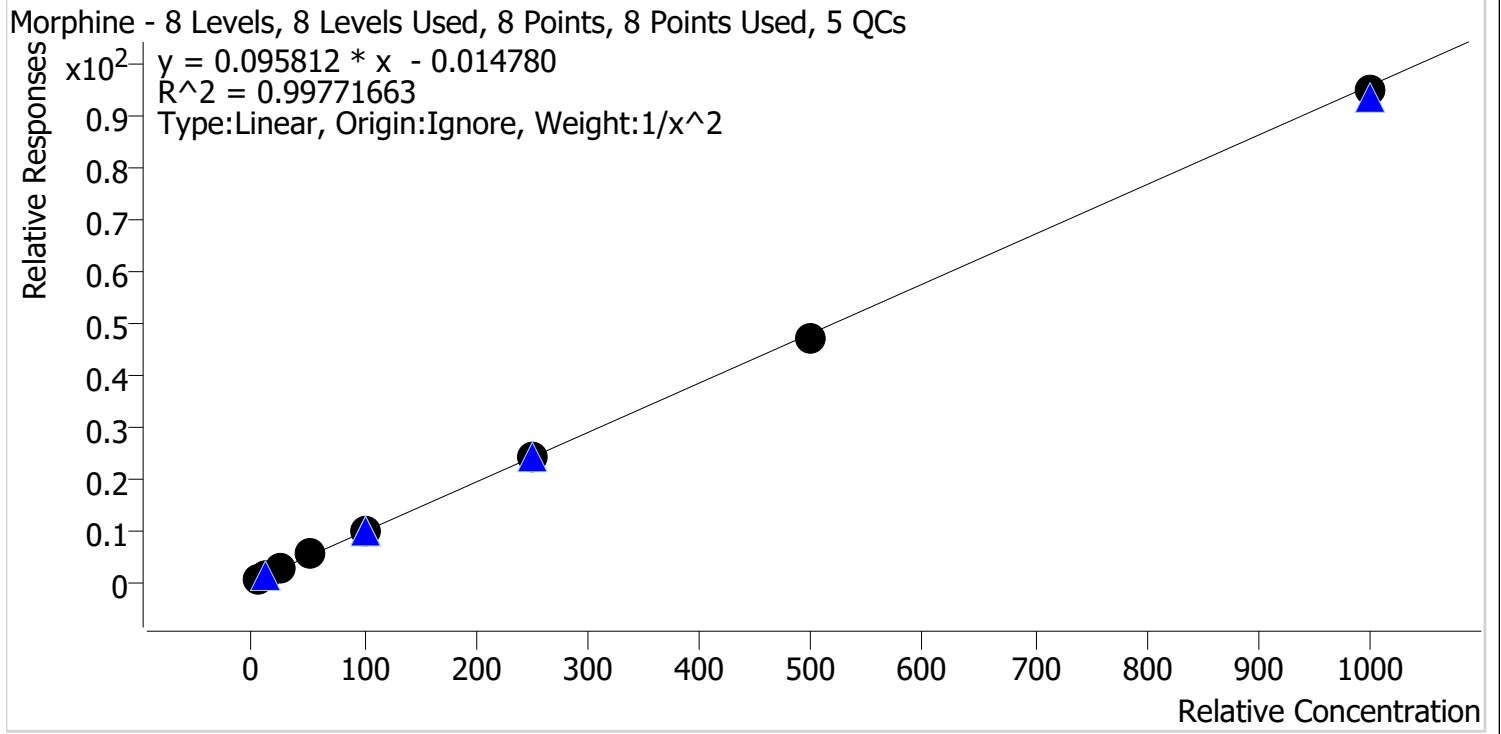
* Cal 8 dropped due to accuracy

AK



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Last Cal. Update 6/28/2021 7:43 AM
Analyst Name ISP\lagerheart
Analyte Morphine **Internal Standard** Morphine-D6



| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 5.2 | 103.0 |
| p1 Cal 2-10ng | 2 | ✓ | 10.0 | 9.3 | 93.3 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 24.4 | 97.7 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 53.6 | 107.2 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 102.0 | 102.0 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 249.8 | 99.9 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 489.7 | 97.9 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 989.9 | 99.0 |

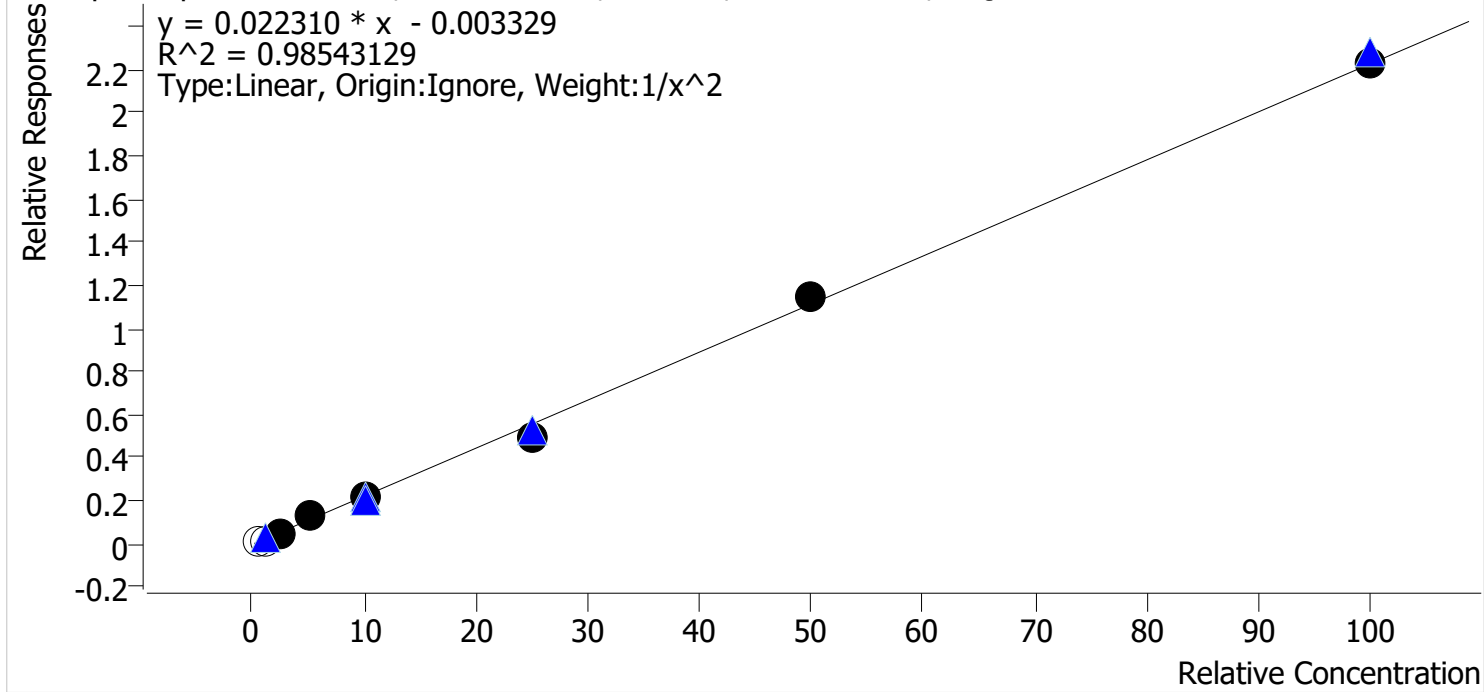
AK



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Last Cal. Update 6/28/2021 7:43 AM
Analyst Name ISP\lagerheart
Analyte Norbuprenorphine **Internal Standard** Norbuprenorphine-D3

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



| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | x | 0.5 | 0.7 | 146.9 |
| p1 Cal 2-10ng | 2 | x | 1.0 | 1.0 | 95.6 |
| p1 Cal 3 -25ng | 3 | ✓ | 2.5 | 2.3 | 93.3 |
| p1 Cal 4-50ng | 4 | ✓ | 5.0 | 5.8 | 116.1 |
| p1 Cal 5-100ng | 5 | ✓ | 10.0 | 9.9 | 99.0 |
| p1 Cal 6-250ng | 6 | ✓ | 25.0 | 21.9 | 87.5 |
| p1 Cal 7-500ng | 7 | ✓ | 50.0 | 51.9 | 103.7 |
| p1 Cal 8-1000ng | 8 | ✓ | 100.0 | 100.4 | 100.4 |

* Cal 1 removed due to S/N being out

* Cal 2 removed due to ratio being out

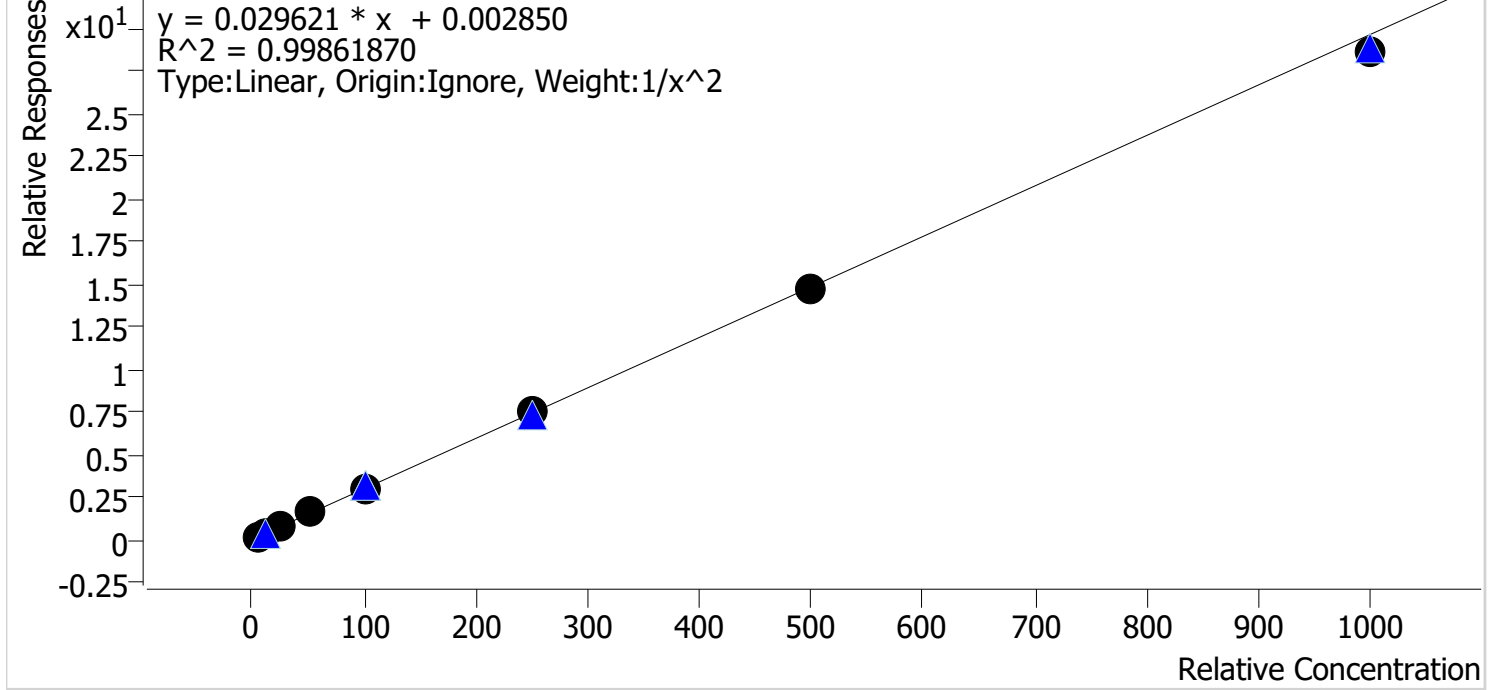
AK



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Last Cal. Update 6/28/2021 7:43 AM
Analyst Name ISP\lagerheart
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 | 5.0 | 100.9 |
| p1 Cal 2-10ng | 2 | ✓ | 10.0 | 9.8 | 98.2 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 24.1 | 96.4 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 53.1 | 106.2 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 101.8 | 101.8 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 251.7 | 100.7 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 496.9 | 99.4 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 963.5 | 96.3 |

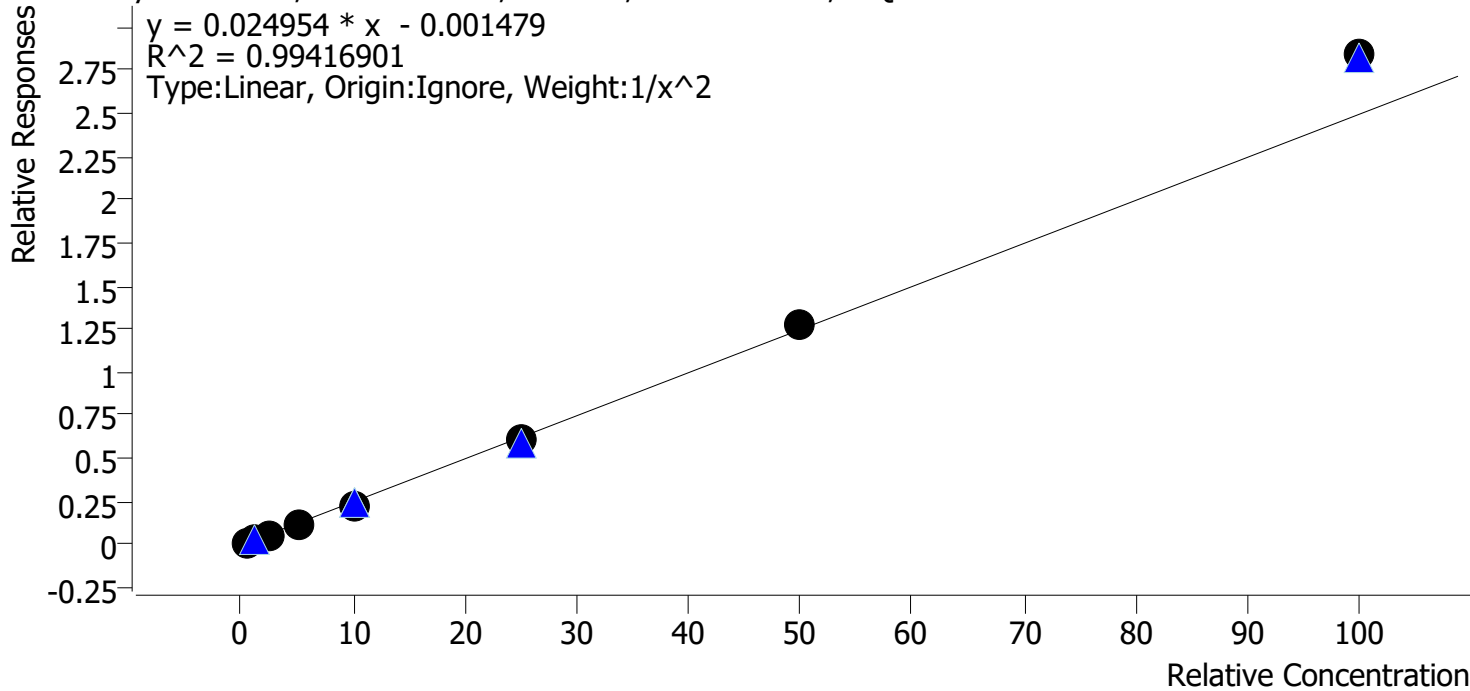
AK



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Last Cal. Update 6/28/2021 7:43 AM
Analyst Name ISP\lagerheart
Analyte Norfentanyl Internal Standard Norfentanyl-D5

Norfentanyl - 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 | 102.9 |
| p1 Cal 2-10ng | 2 | ✓ | 1.0 | 1.0 | 97.8 |
| p1 Cal 3 -25ng | 3 | ✓ | 2.5 | 2.3 | 93.5 |
| p1 Cal 4-50ng | 4 | ✓ | 5.0 | 4.9 | 97.6 |
| p1 Cal 5-100ng | 5 | ✓ | 10.0 | 9.4 | 93.8 |
| p1 Cal 6-250ng | 6 | ✓ | 25.0 | 24.3 | 97.3 |
| p1 Cal 7-500ng | 7 | ✓ | 50.0 | 51.6 | 103.2 |
| p1 Cal 8-1000ng | 8 | ✓ | 100.0 | 113.9 | 113.9 |

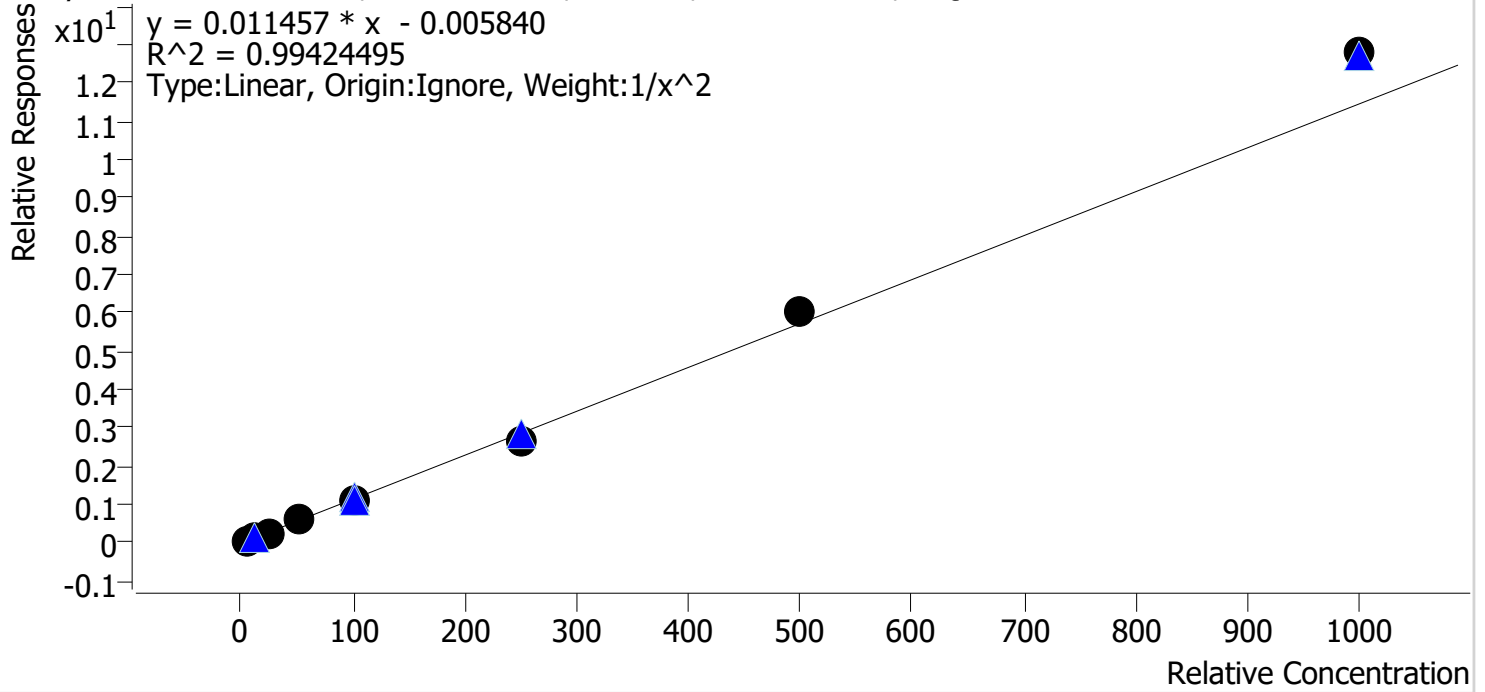
AK



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Last Cal. Update 6/28/2021 7:43 AM
Analyst Name ISP\lagerheart
Analyte Norhydrocodone **Internal Standard** Norhydrocodone-D3

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



| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 5.2 | 104.0 |
| p1 Cal 2-10ng | 2 | ✓ | 10.0 | 9.4 | 93.9 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 24.0 | 95.8 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 50.4 | 100.9 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 97.1 | 97.1 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 229.8 | 91.9 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 523.9 | 104.8 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 1116.9 | 111.7 |

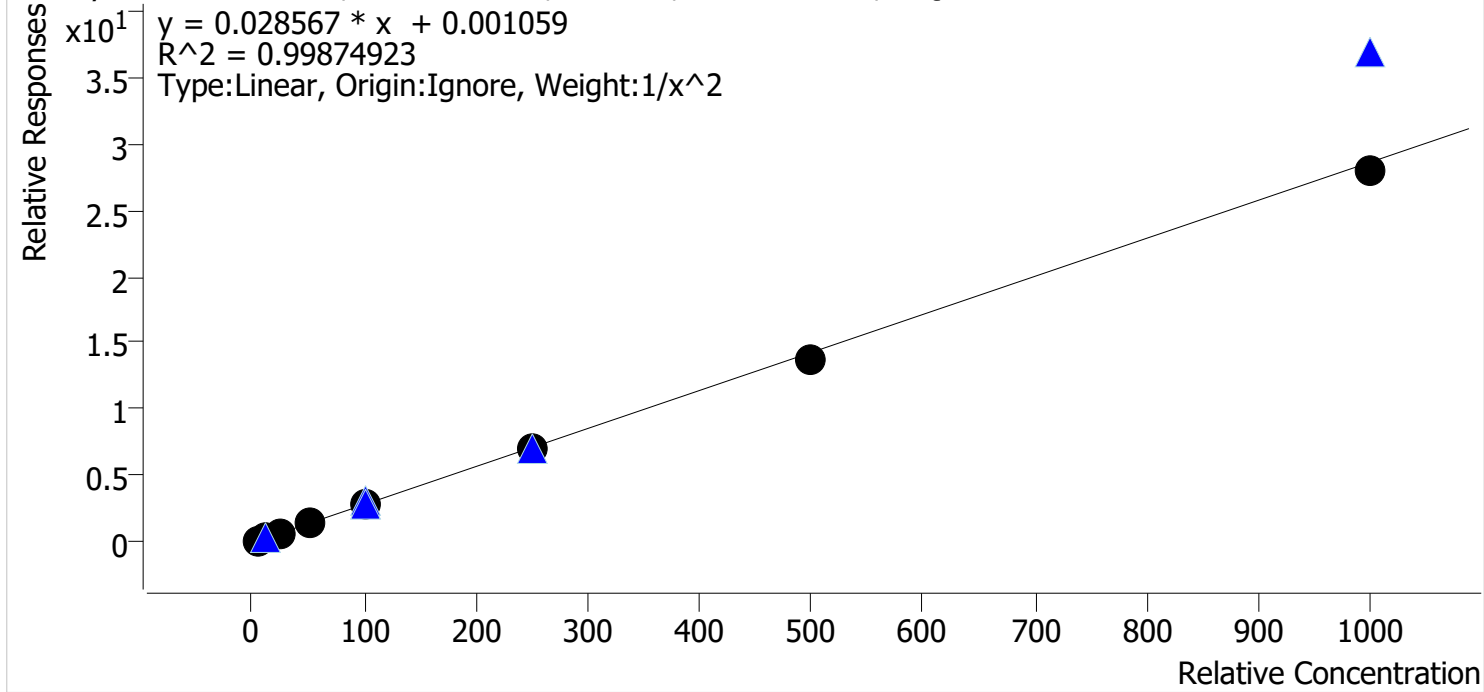
AK



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Last Cal. Update 6/28/2021 7:43 AM
Analyst Name ISP\lagerheart
Analyte Noroxycodone **Internal Standard** Noroxycodone-D3

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



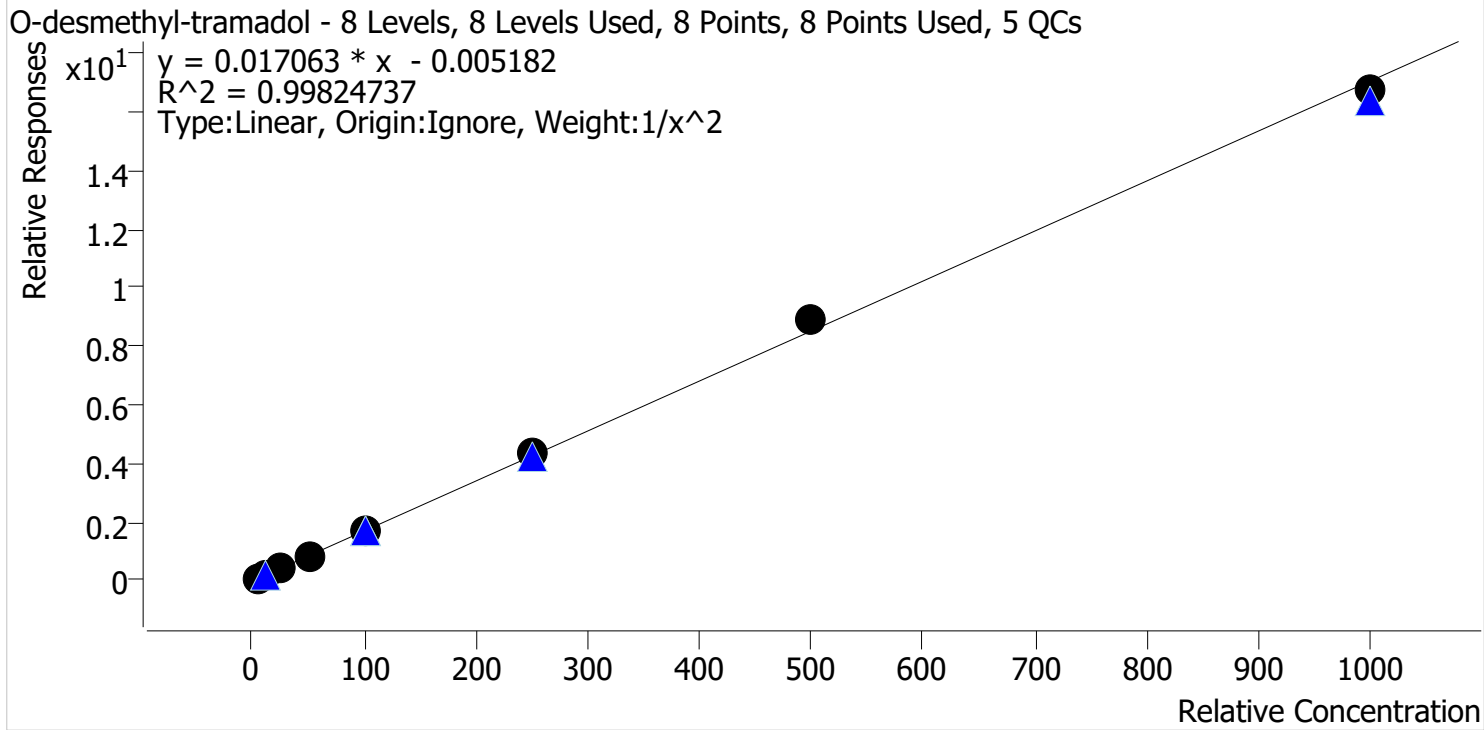
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 5.0 | 100.2 |
| p1 Cal 2-10ng | 2 | ✓ | 10.0 | 9.9 | 98.9 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 24.7 | 98.7 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 52.7 | 105.4 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 103.3 | 103.3 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 249.1 | 99.6 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 478.1 | 95.6 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 982.7 | 98.3 |

AK



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Last Cal. Update 6/28/2021 7:43 AM
Analyst Name ISP\lagerheart
Analyte O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6



| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 5.1 | 102.6 |
| p1 Cal 2-10ng | 2 | ✓ | 10.0 | 9.7 | 96.6 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 23.5 | 94.0 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 51.0 | 102.0 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 99.1 | 99.1 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 256.5 | 102.6 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 524.4 | 104.9 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 981.6 | 98.2 |

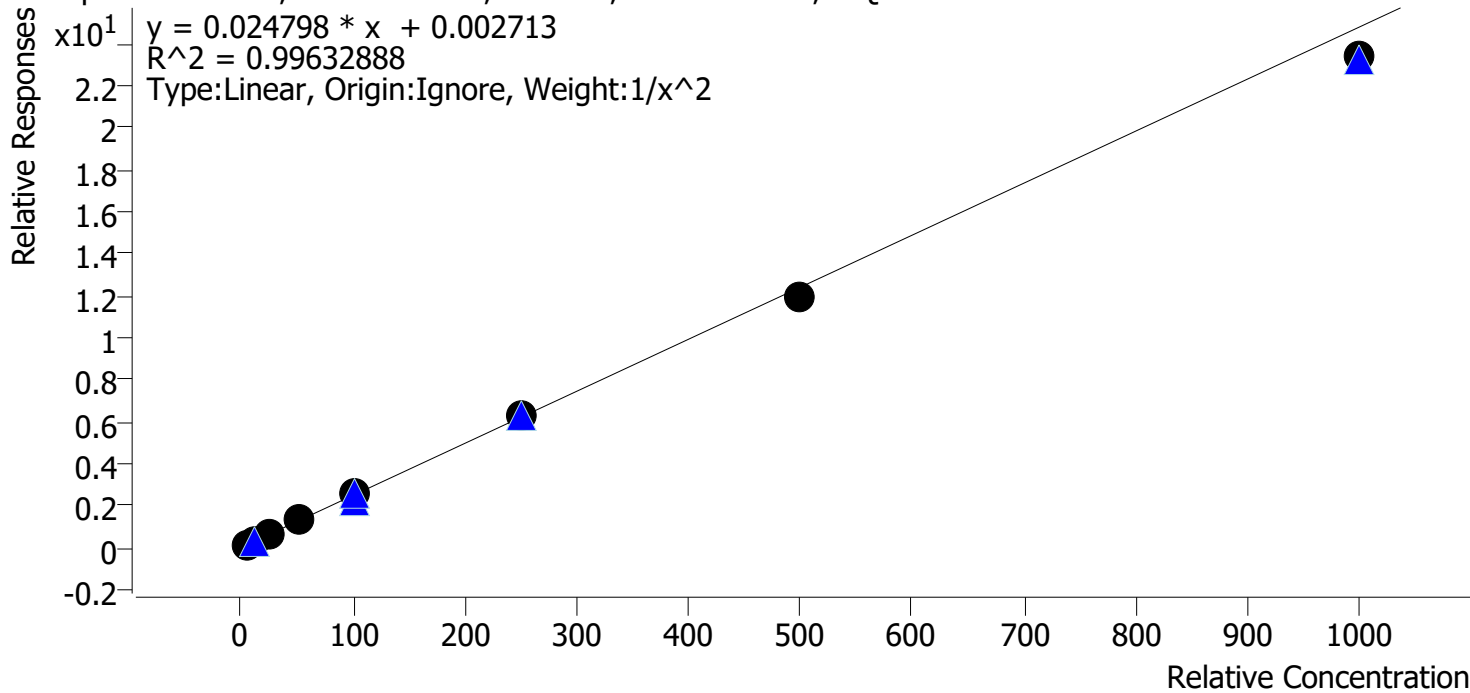
AK



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Last Cal. Update 6/28/2021 7:43 AM
Analyst Name ISP\lagerheart
Analyte Oxazepam **Internal Standard** Oxazepam-D5

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



| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 5.1 | 101.1 |
| p1 Cal 2-10ng | 2 | ✓ | 10.0 | 9.6 | 96.2 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 24.5 | 98.0 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 55.3 | 110.6 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 103.7 | 103.7 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 250.1 | 100.0 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 479.9 | 96.0 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 943.3 | 94.3 |

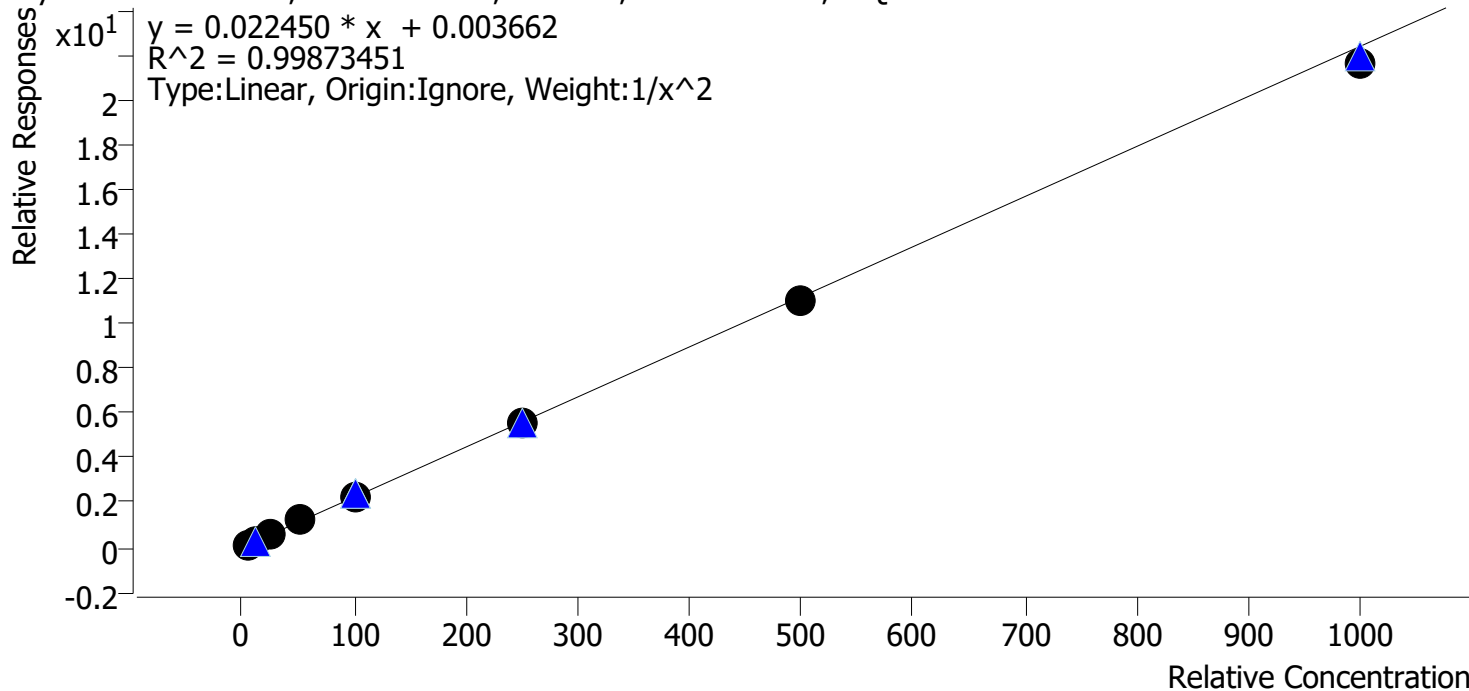
AK



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Last Cal. Update 6/28/2021 7:43 AM
Analyst Name ISP\lagerheart
Analyte Oxycodone **Internal Standard** Oxycodone-D6

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



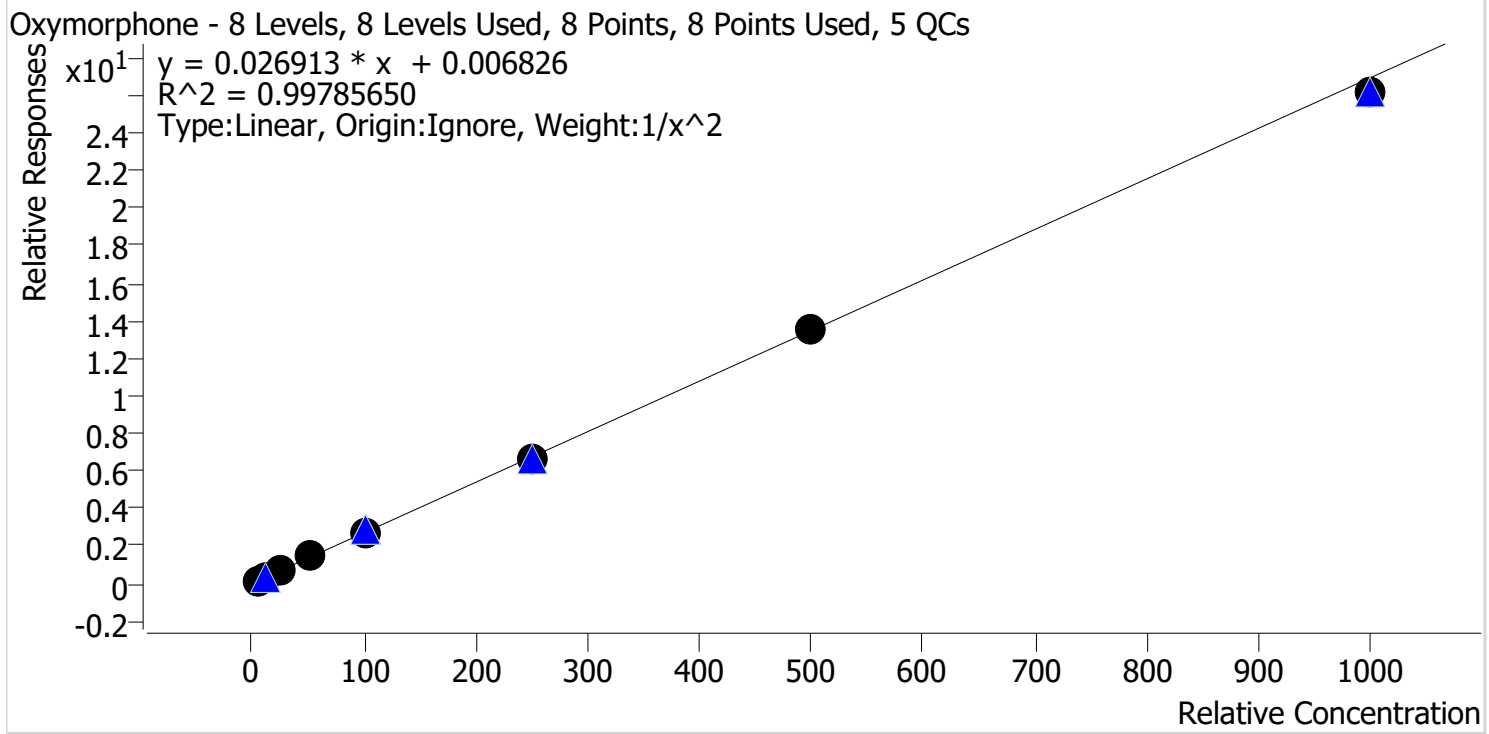
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 5.0 | 100.4 |
| p1 Cal 2-10ng | 2 | ✓ | 10.0 | 9.8 | 98.2 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 24.8 | 99.2 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 53.3 | 106.7 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 101.8 | 101.8 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 245.3 | 98.1 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 494.3 | 98.9 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 967.5 | 96.8 |

AK



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Last Cal. Update 6/28/2021 7:43 AM
Analyst Name ISP\lagerheart
Analyte Oxymorphone **Internal Standard** Oxymorphone-D3



| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 5.0 | 100.8 |
| p1 Cal 2-10ng | 2 | ✓ | 10.0 | 9.8 | 97.8 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 24.2 | 97.0 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 54.5 | 109.1 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 100.0 | 100.0 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 243.2 | 97.3 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 504.3 | 100.9 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 970.8 | 97.1 |

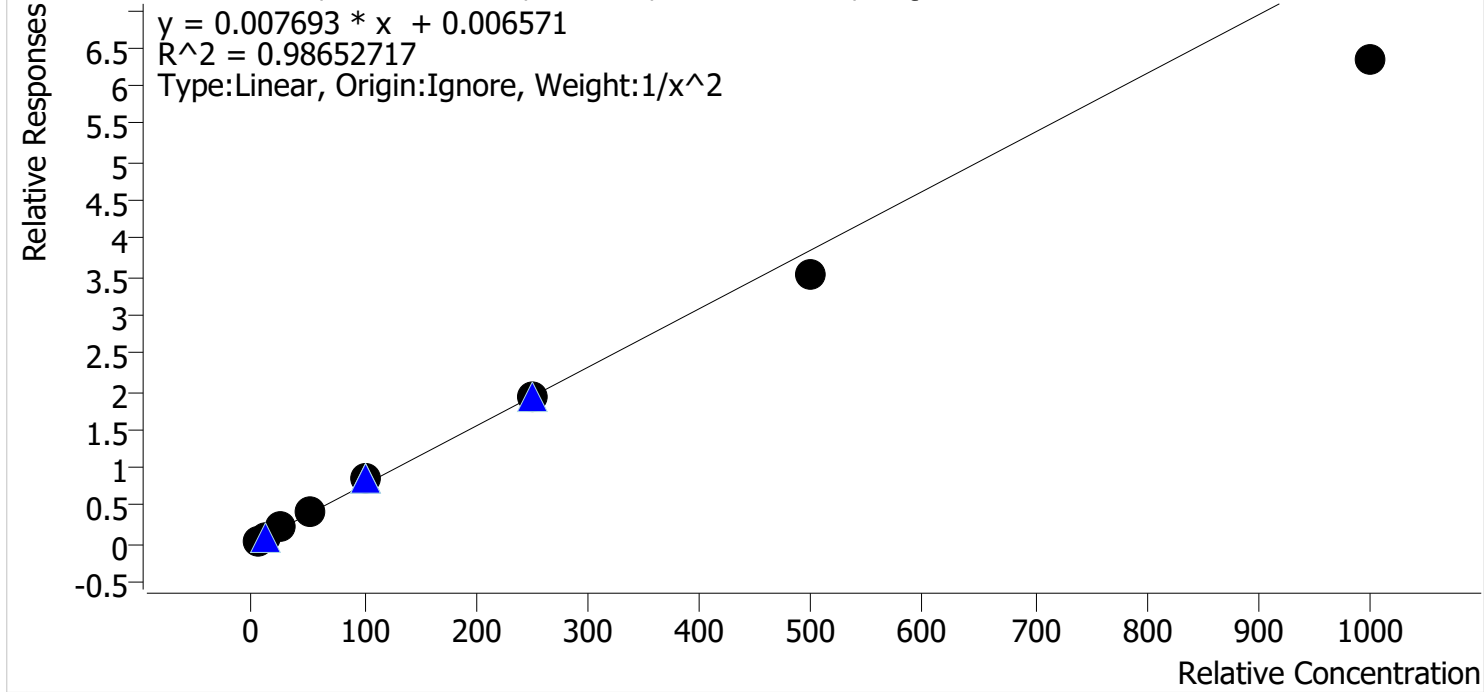
AK



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Last Cal. Update 6/28/2021 7:43 AM
Analyst Name ISP\lagerheart
Analyte Phentermine **Internal Standard** Phentermine-D5

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



| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 4.9 | 97.7 |
| p1 Cal 2-10ng | 2 | ✓ | 10.0 | 9.9 | 98.5 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 26.6 | 106.4 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 57.4 | 114.9 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 108.5 | 108.5 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 250.5 | 100.2 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 455.8 | 91.2 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 826.6 | 82.7 |

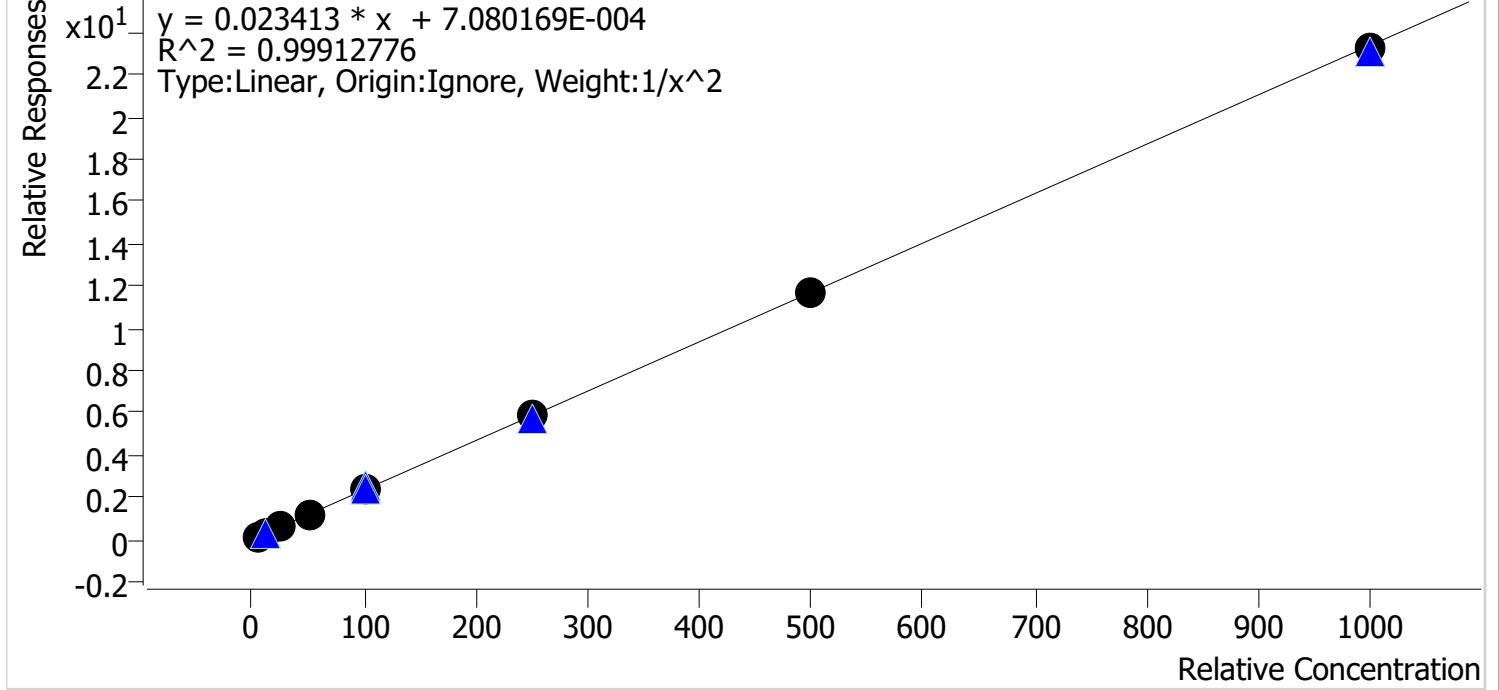
AK



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Last Cal. Update 6/28/2021 7:43 AM
Analyst Name ISP\lagerheart
Analyte Promethazine **Internal Standard** Promethazine-D3

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



| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 5.1 | 102.4 |
| p1 Cal 2-10ng | 2 | ✓ | 10.0 | 9.5 | 95.4 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 24.4 | 97.5 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 51.7 | 103.4 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 100.5 | 100.5 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 252.6 | 101.0 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 501.5 | 100.3 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 993.7 | 99.4 |

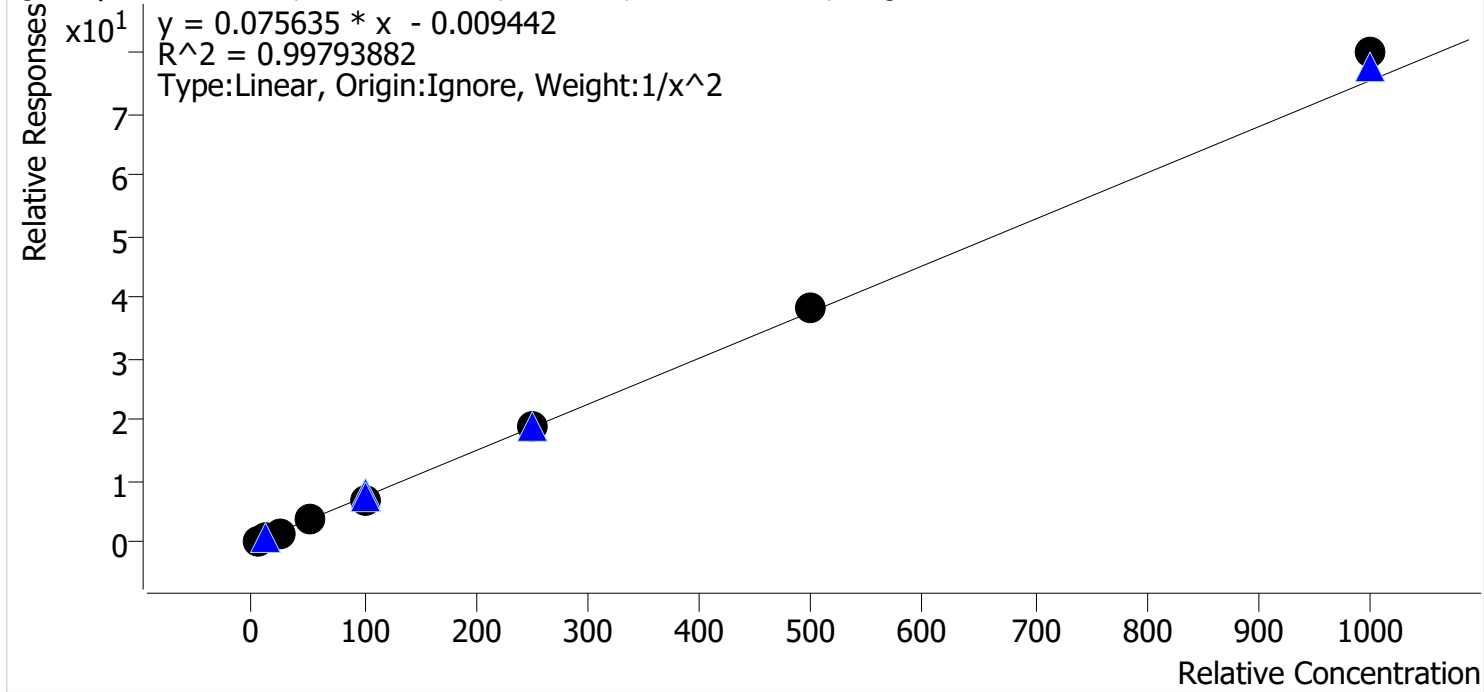
AK



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Last Cal. Update 6/28/2021 7:43 AM
Analyst Name ISP\lagerheart
Analyte Quetiapine **Internal Standard** Quetiapine-D8

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



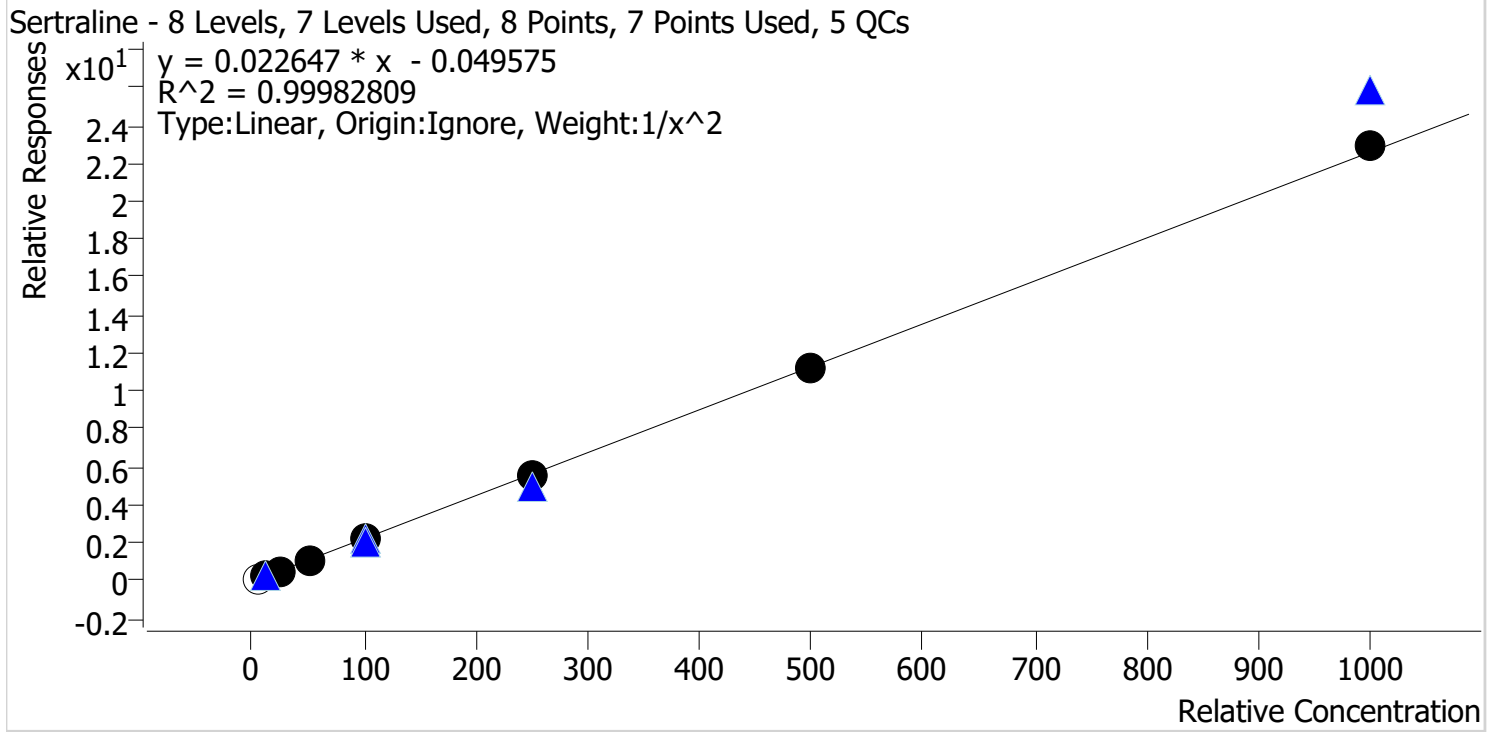
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 5.1 | 102.6 |
| p1 Cal 2-10ng | 2 | ✓ | 10.0 | 9.6 | 96.5 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 23.8 | 95.1 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 51.4 | 102.8 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 95.6 | 95.6 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 249.7 | 99.9 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 507.2 | 101.4 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 1060.5 | 106.1 |

AK



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Last Cal. Update 6/28/2021 7:43 AM
Analyst Name ISP\lagerheart
Analyte Sertraline **Internal Standard** Sertraline-D3



| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | x | 5.0 | 6.3 | 126.7 |
| p1 Cal 2-10ng | 2 | ✓ | 10.0 | 10.0 | 99.9 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 25.3 | 101.2 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 49.1 | 98.2 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 100.0 | 100.0 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 247.6 | 99.0 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 501.1 | 100.2 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 1014.3 | 101.4 |

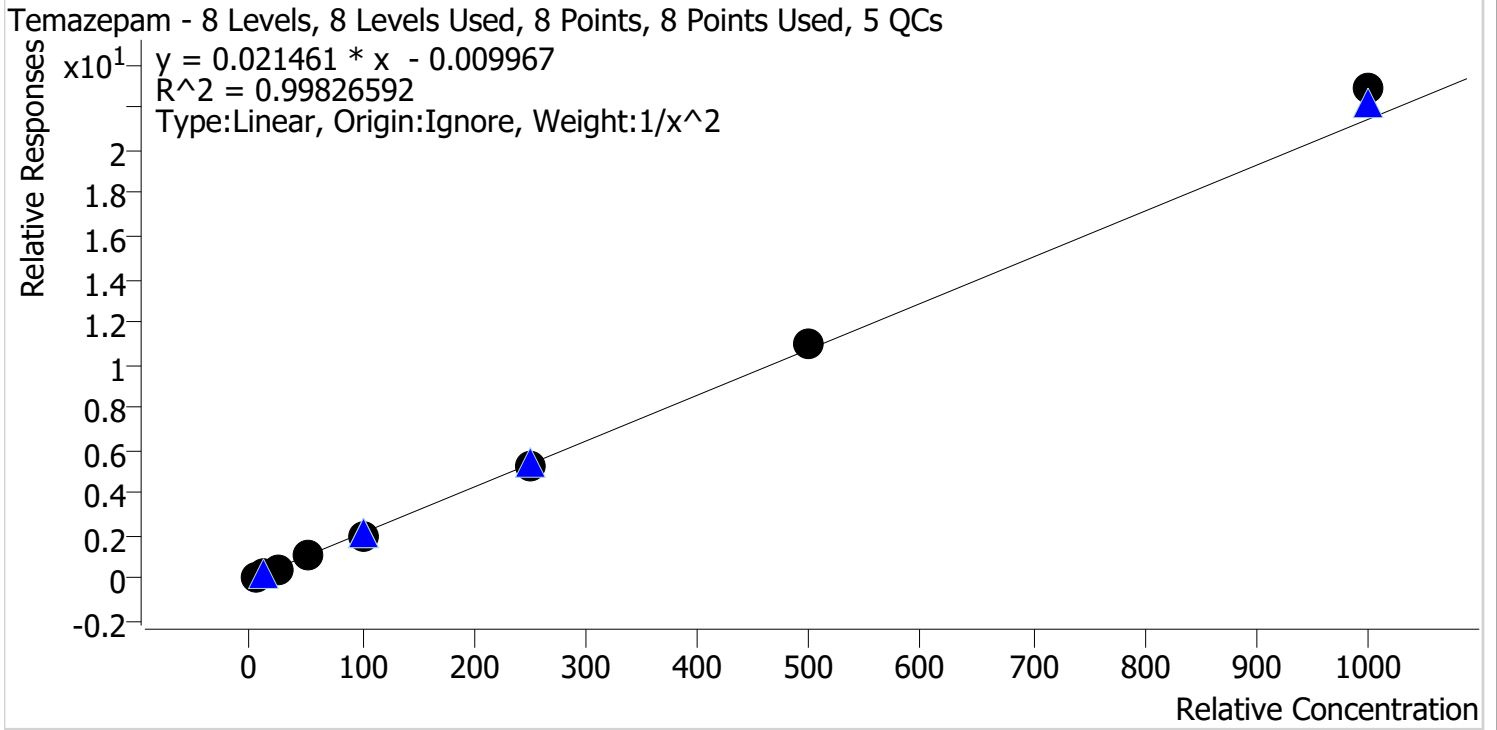
* Cal 1 removed due to S/N being out

AK



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Last Cal. Update 6/28/2021 7:43 AM
Analyst Name ISP\lagerheart
Analyte Temazepam **Internal Standard** Temazepam-D5



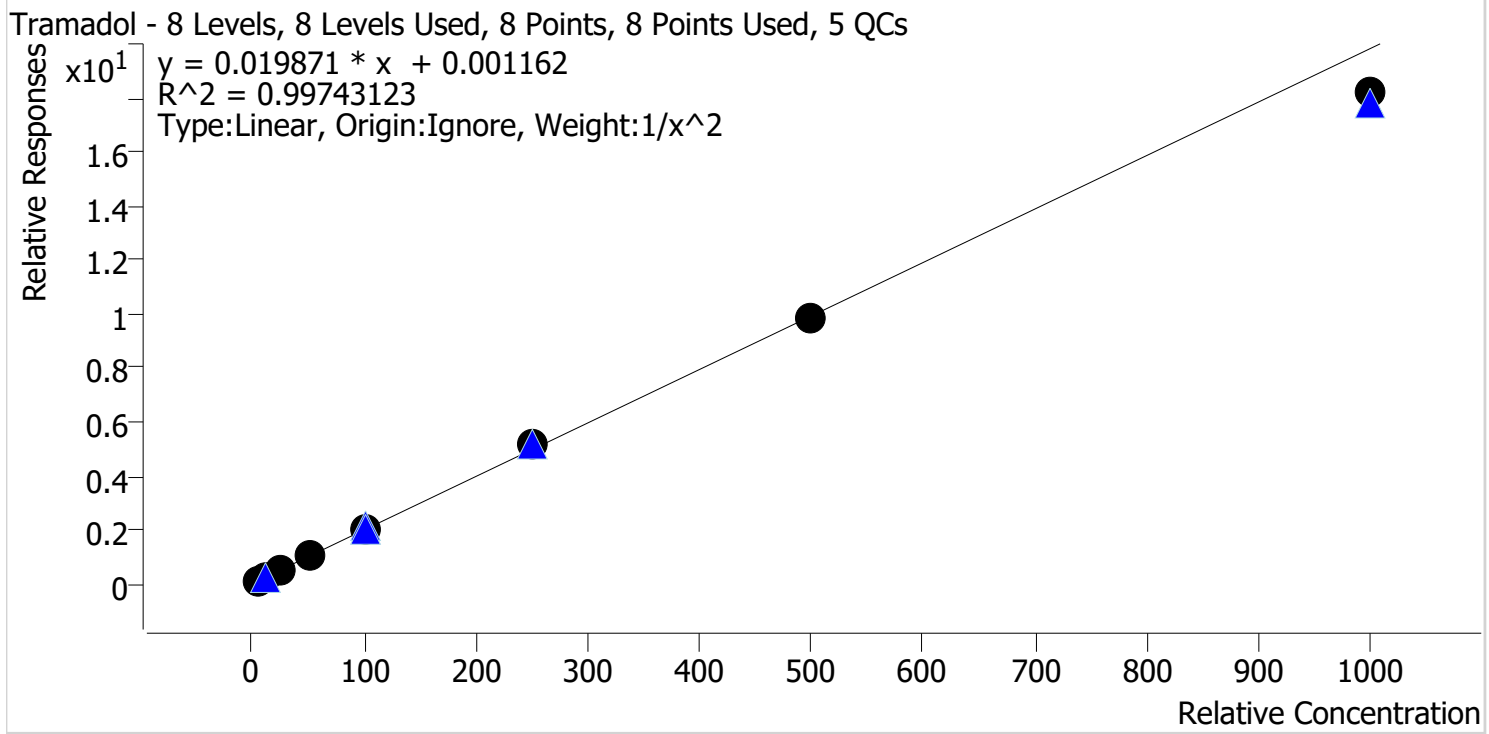
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 5.1 | 101.2 |
| p1 Cal 2-10ng | 2 | ✓ | 10.0 | 10.0 | 99.9 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 23.8 | 95.1 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 50.2 | 100.3 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 96.3 | 96.3 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 245.7 | 98.3 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 511.2 | 102.2 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 1066.8 | 106.7 |

AK



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Last Cal. Update 6/28/2021 7:43 AM
Analyst Name ISP\lagerheart
Analyte Tramadol **Internal Standard** Tramadol-13C-D3



| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 5.0 | 99.9 |
| p1 Cal 2-10ng | 2 | ✓ | 10.0 | 10.0 | 99.8 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 24.3 | 97.4 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 53.4 | 106.7 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 100.7 | 100.7 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 259.9 | 103.9 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 499.3 | 99.9 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 917.8 | 91.8 |

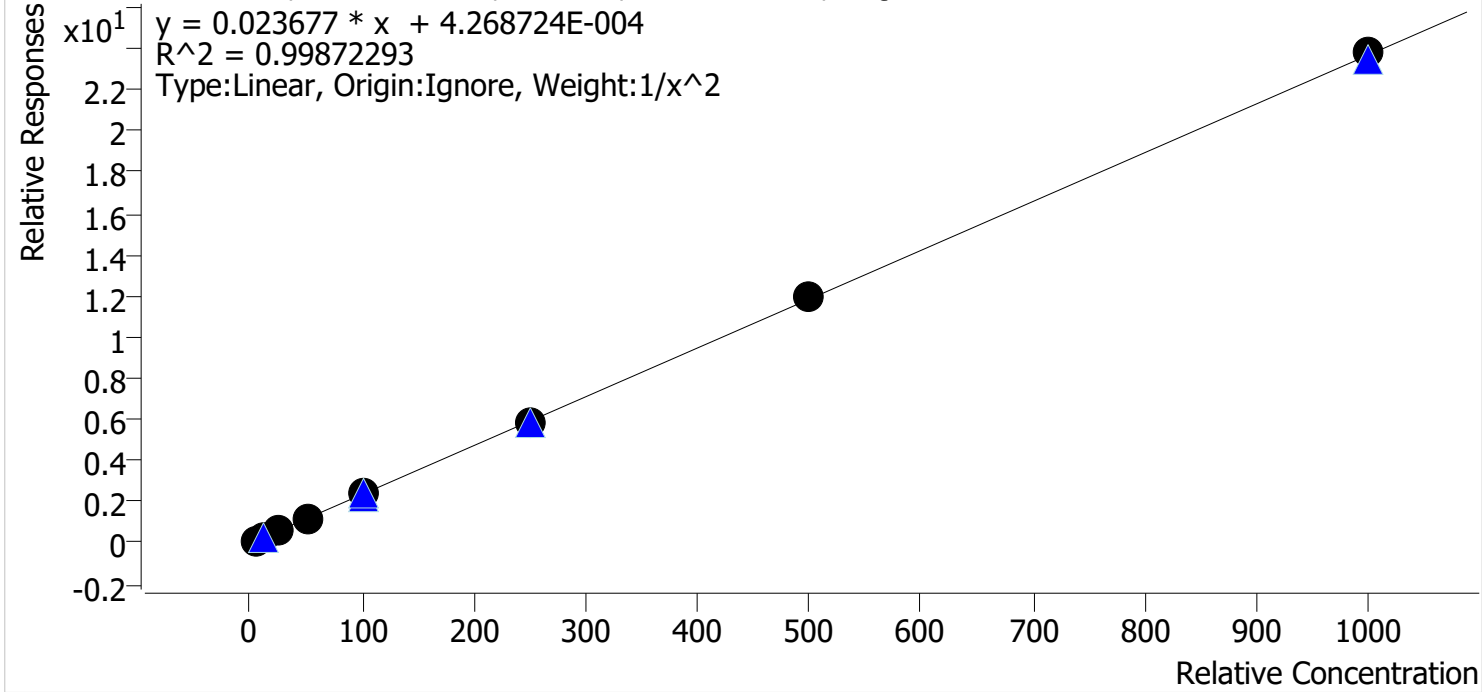
AK



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Last Cal. Update 6/28/2021 7:43 AM
Analyst Name ISP\lagerheart
Analyte Trazodone **Internal Standard** Trazodone-D6

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



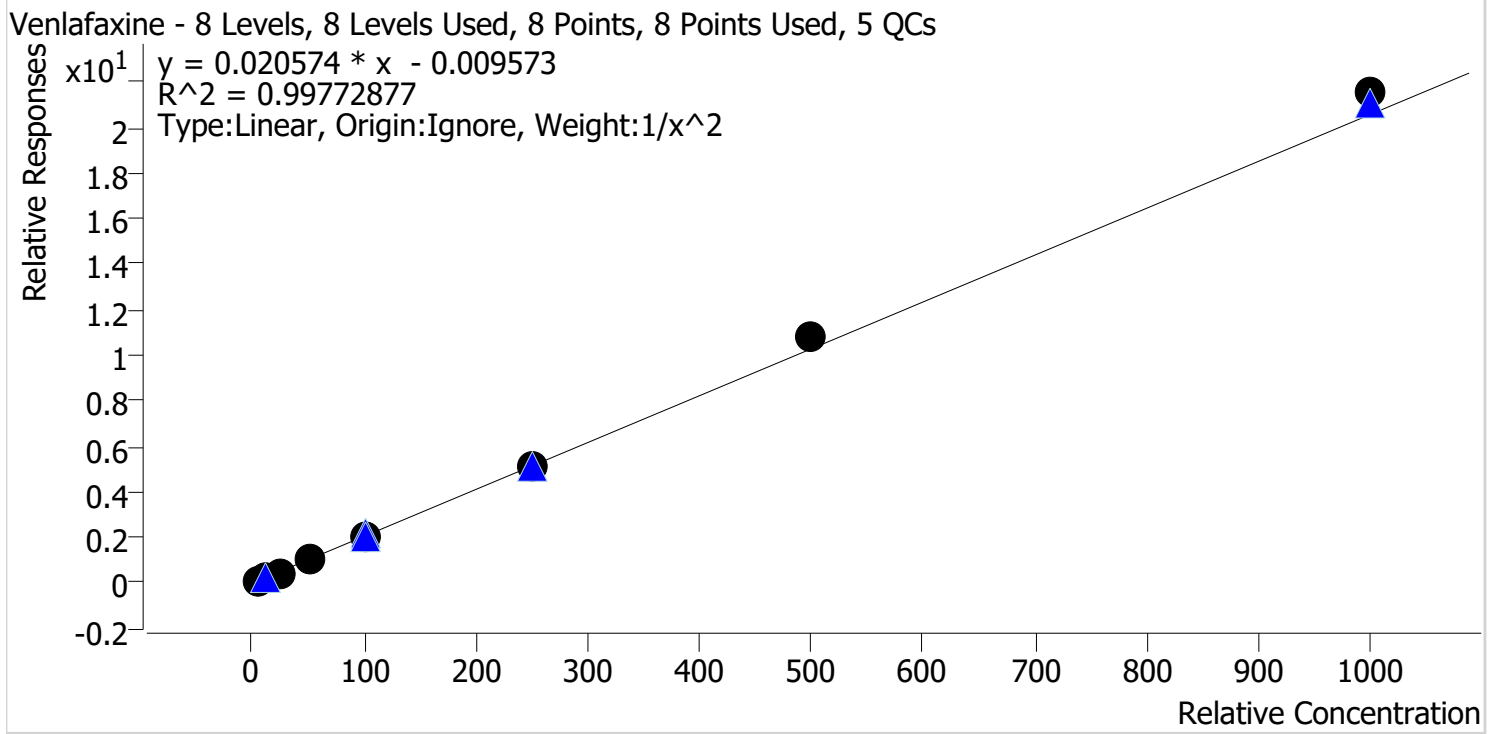
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 5.0 | 100.8 |
| p1 Cal 2-10ng | 2 | ✓ | 10.0 | 9.9 | 99.2 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 23.7 | 94.9 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 52.8 | 105.7 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 101.0 | 101.0 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 243.6 | 97.4 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 501.9 | 100.4 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 1005.2 | 100.5 |

AK



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Last Cal. Update 6/28/2021 7:43 AM
Analyst Name ISP\lagerheart
Analyte Venlafaxine **Internal Standard** Venlafaxine-D6



| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p1 Cal 1-5ng | 1 | ✓ | 5.0 | 5.2 | 103.4 |
| p1 Cal 2-10ng | 2 | ✓ | 10.0 | 9.6 | 95.6 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 23.5 | 94.0 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 50.0 | 100.0 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 97.7 | 97.7 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 248.7 | 99.5 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 525.1 | 105.0 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 1046.8 | 104.7 |

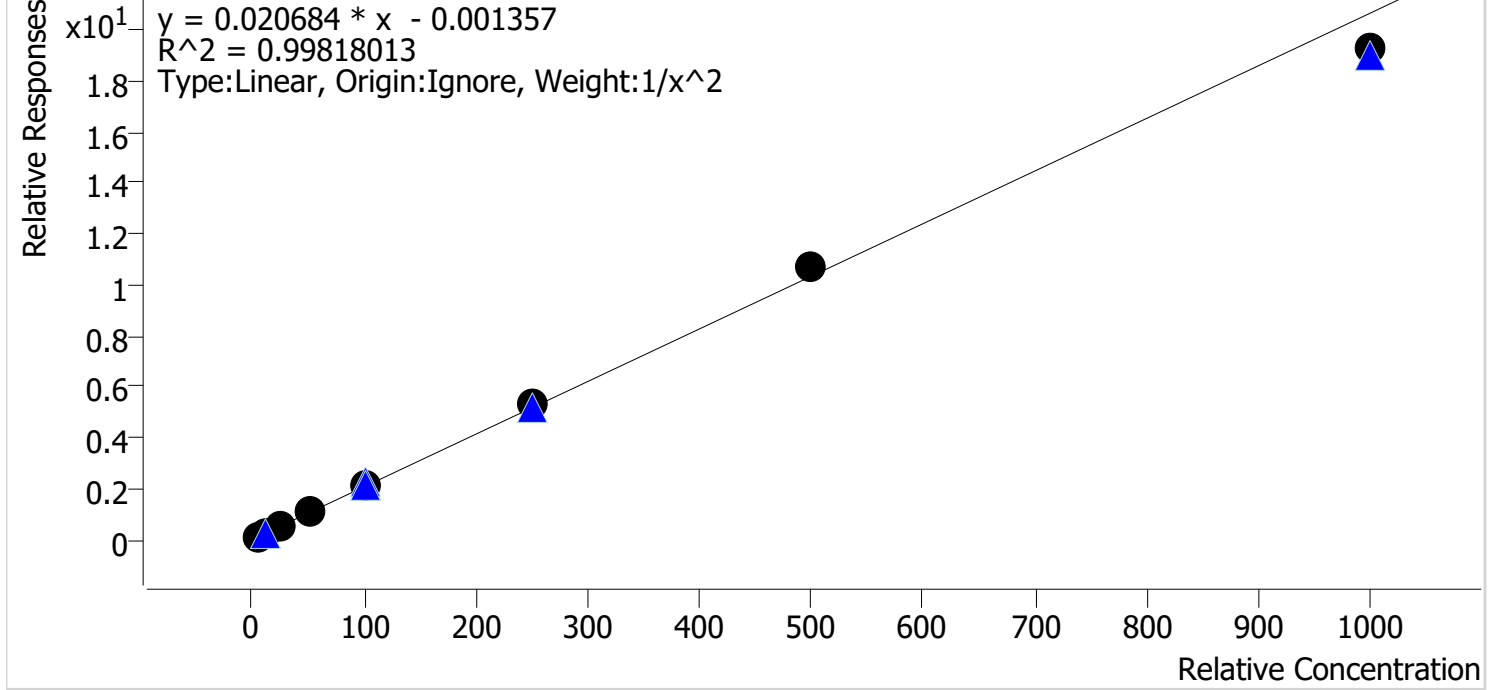
AK



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results C:\Users\lagerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Last Cal. Update 6/28/2021 7:43 AM
Analyst Name ISP\lagerheart
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 | 5.1 | 101.2 |
| p1 Cal 2-10ng | 2 | ✓ | 10.0 | 9.8 | 97.5 |
| p1 Cal 3 -25ng | 3 | ✓ | 25.0 | 24.4 | 97.6 |
| p1 Cal 4-50ng | 4 | ✓ | 50.0 | 52.3 | 104.6 |
| p1 Cal 5-100ng | 5 | ✓ | 100.0 | 100.3 | 100.3 |
| p1 Cal 6-250ng | 6 | ✓ | 250.0 | 254.5 | 101.8 |
| p1 Cal 7-500ng | 7 | ✓ | 500.0 | 518.2 | 103.6 |
| p1 Cal 8-1000ng | 8 | ✓ | 1000.0 | 932.6 | 93.3 |

AK

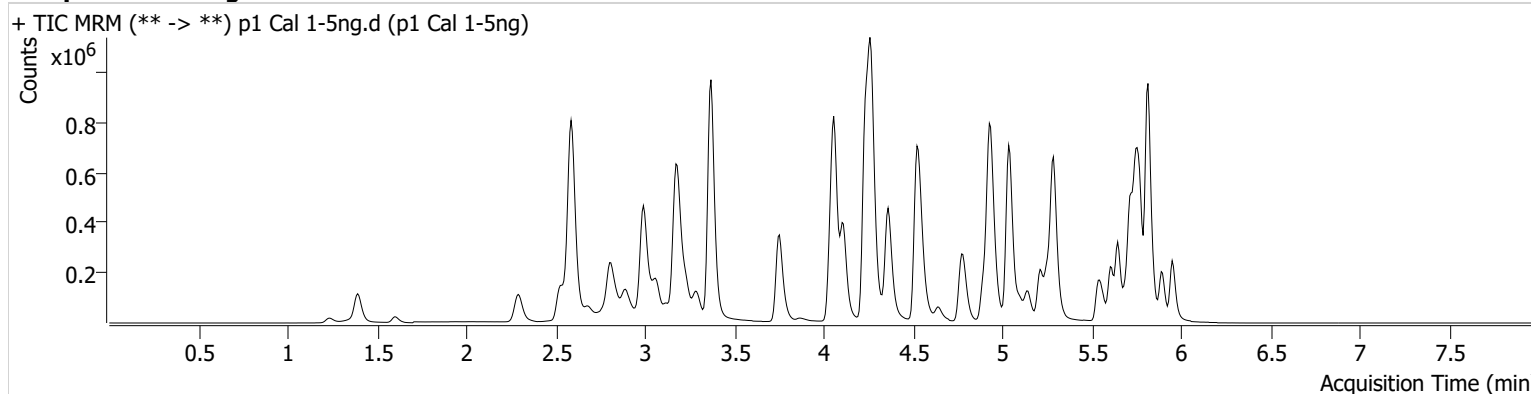


AM #28 Multi-Drug Quant. Results

Batch results C:\Users\agerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Calibration Last Update 6/28/2021 7:43:16 AM

| | | | |
|-------------------------|----------------------|------------------|----------------|
| Instrument | Falco (069901) | Data File | p1 Cal 1-5ng.d |
| Type | Cal | Sample | p1 Cal 1-5ng |
| Acq. Method | AM 28 MDQ P1.m | Operator | Amber Gerheart |
| Sample Position | P2-A1 | Comment | |
| Injection Volume | 2 | | |
| Acq. Date-Time | 6/16/2021 8:26:23 PM | | |

Sample Chromatogram



| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|---------------------|-------|--------|-----------|-------|-----------------|------------|--------------|
| 6-MAM | 3.131 | 2580 | 715.33 | 71.1 | 499.14 | 123785 | 0.5176 ng/ml |
| 7-aminoclonazepam | 4.278 | 37983 | 152737.50 | 76.9 | 61.98 | 284922 | 5.0258 ng/ml |
| a-hydroxyalprazolam | 5.699 | 27094 | 228.74 | 56.9 | 602.08 | 605426 | 4.8365 ng/ml |
| alpha-PHP | 4.937 | 27559 | 660.14 | 267.4 | 1861.32 | 1031773 | 4.9168 ng/ml |
| alpha-PVP | 4.370 | 114843 | 347.36 | 52.8 | 340.20 | 1031773 | 5.1135 ng/ml |
| Alprazolam | 5.775 | 82971 | 684.79 | 113.7 | 335.88 | 605426 | 5.1343 ng/ml |
| Amphetamine | 3.069 | 213460 | 1720.89 | 48.5 | 503.10 | 441899 | 4.8140 ng/ml |
| Benzoylecgonine | 3.899 | 3263 | 28.61 | 9.3 | 54.62 | 23633 | 5.1495 ng/ml |
| Buprenorphine | 5.907 | 1199 | 22.64 | 16.9 | 287.80 | 92077 | 0.4986 ng/ml |
| Bupropion | 4.795 | 96595 | 2912.53 | 60.4 | 97.32 | 689428 | 5.0602 ng/ml |
| Carisoprodol | 5.724 | 81730 | 275746.83 | 57.6 | 601.17 | 806306 | 5.1649 ng/ml |
| Citalopram | 5.212 | 44460 | 239.51 | 42.9 | 318.32 | 412753 | 5.0690 ng/ml |
| Clonazepam | 5.612 | 94048 | 420.90 | 31.5 | 1665.19 | 223238 | 4.9766 ng/ml |
| Clonazepam | 5.548 | 62872 | 766.78 | 36.9 | 44452.44 | 223238 | 5.0353 ng/ml |
| Cocaine | 4.264 | 97611 | 3109.39 | 50.2 | 62414.31 | 1809447 | 5.1438 ng/ml |
| Codeine | 2.580 | 11999 | 39272.47 | 101.7 | 41717.89 | 119085 | 4.7743 ng/ml |
| Cyclobenzaprine | 5.615 | 9518 | 145.45 | 8.1 | 7.59 Low | 85813 | 5.0372 ng/ml |
| Dextromethorphan | 5.262 | 20925 | 4399.33 | 79.8 | 4770.33 | 197039 | 4.9195 ng/ml |
| Dextrophan | 4.111 | 30481 | 287.26 | 216.7 | 651.31 | 768443 | 5.0091 ng/ml |
| Diazepam | 5.960 | 46322 | 310.40 | 92.2 | 343.27 | 437235 | 5.0404 ng/ml |
| Dihydrocodeine | 2.559 | 29621 | 252.59 | 64.7 | 602.68 | 351874 | 4.9121 ng/ml |
| Diphenhydramine | 5.289 | 116669 | 8515.44 | 33.2 | 137.57 | 1410176 | 5.1458 ng/ml |
| Doxylamine | 4.543 | 209771 | 1545.43 | 99.7 | 513.68 | 1880821 | 5.0101 ng/ml |
| EDDP | 5.254 | 23216 | 1802.82 | 40.9 | 744.74 | 261059 | 5.1243 ng/ml |
| Etizolam | 5.813 | 51792 | 75266.17 | 24.8 | 2393.34 | 223238 | 6.3485 ng/ml |
| Fentanyl | 5.109 | 1752 | 44.11 | 69.9 | 8.09 Low | 165490 | 0.5231 ng/ml |
| Flualprazolam | 5.705 | 38972 | 490.61 | 99.5 | 7964.11 | 605426 | 4.9116 ng/ml |
| Fluoxetine | 5.707 | 6544 | 21289.95 | 9.0 | 558.16 | 54929 | 5.1126 ng/ml |
| Hydrocodone | 3.018 | 43603 | 53.07 | 39.6 | 126.04 | 1054378 | 4.8332 ng/ml |
| Hydromorphone | 1.601 | 39079 | 2468.28 | 81.3 | 1344.34 | 12663 | 4.9970 ng/ml |
| Ketamine | 4.059 | 91553 | 421.03 | 35.2 | 270.84 | 849936 | 4.9907 ng/ml |
| Lamotrigine | 4.280 | 8090 | 209.28 | 78.0 | 1127.59 | 849936 | 4.6824 ng/ml |
| Levetiracetam | 2.683 | 37129 | 66.14 | 167.6 | 377.68 | 2199147 | 5.1560 ng/ml |

AK



AM #28 Multi-Drug Quant. Results

| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|----------------------|-------|--------|-----------------|-------|-----------------|------------|--------------|
| Lorazepam | 5.747 | 92331 | 920.29 | 55.5 | 126.13 | 223238 | 4.9163 ng/ml |
| MDA | 3.203 | 140579 | 983.66 | 23.7 | 26.58 | 722284 | 4.8498 ng/ml |
| MDMA | 3.296 | 81103 | 1612.60 | 82.0 | 548.84 | 158789 | 5.0329 ng/ml |
| Meprobamate | 4.924 | 49228 | 2150.10 | 26.8 | 520.55 | 447591 | 4.8686 ng/ml |
| Methadone | 5.653 | 60005 | 114.51 | 50.3 | 515.15 | 561481 | 5.1037 ng/ml |
| Methamphetamine | 3.238 | 179487 | 50.95 | 38.9 | 146.92 | 1182907 | 4.9766 ng/ml |
| Metoprolol | 4.326 | 21350 | 829.13 | 94.4 | 228.78 | 2046695 | 4.9240 ng/ml |
| Mirtazapine | 4.644 | 82947 | 794.30 | 48.6 | 769.59 | 1031773 | 5.1461 ng/ml |
| Mitragynine | 5.243 | 8107 | 1477.25 | 40.7 | 6577.26 | 561481 | 4.9328 ng/ml |
| Morphine | 1.247 | 6062 | 363.07 | 33.2 | 140.47 | 12663 | 5.1510 ng/ml |
| Norbuprenorphine | 4.986 | 190 | 990.11 | 99.9 | 3.72 Low | 14591 | 0.7343 ng/ml |
| Nordiazepam | 5.900 | 50608 | 250.17 | 56.8 | 247.99 | 332268 | 5.0458 ng/ml |
| Norfentanyl | 4.086 | 17425 | 370.10 | 36.6 | 40.17 | 1534181 | 0.5144 ng/ml |
| Norhydrocodone | 3.066 | 7107 | 31.71 | 42.1 | 33.98 | 132247 | 5.2000 ng/ml |
| Noroxycodone | 2.909 | 49768 | 137.91 | 40.7 | 388.68 | 345237 | 5.0092 ng/ml |
| O-desmethyl-tramadol | 3.376 | 193553 | 2092.13 | 6.9 | 977.97 | 2349274 | 5.1322 ng/ml |
| Oxazepam | 5.756 | 107051 | 327.85 | 72.9 | 148.70 | 835868 | 5.0553 ng/ml |
| Oxycodone | 2.834 | 93616 | 304.07 | 25.6 | 359.55 | 804805 | 5.0183 ng/ml |
| Oxymorphone | 1.398 | 46333 | 681.53 | 43.3 | 505.94 | 325079 | 5.0422 ng/ml |
| Phentermine | 3.783 | 42842 | 162.39 | 4.4 | 32.60 | 970111 | 4.8866 ng/ml |
| Promethazine | 5.538 | 23542 | 189.84 | 27.1 | 39.29 | 195271 | 5.1191 ng/ml |
| Pseudoephedrine | 2.596 | 223937 | 558.82 | 16.5 | 760.62 | 2199147 | 5.1448 ng/ml |
| Quetiapine | 5.562 | 52309 | 121.74 | 58.0 | 46510.99 | 138124 | 5.1320 ng/ml |
| Sertraline | 5.776 | 2111 | 4.72 Low | 106.6 | 25.31 | 22486 | 6.3350 ng/ml |
| Temazepam | 5.823 | 175364 | 219.64 | 29.1 | 205.74 | 1778606 | 5.0586 ng/ml |
| Tramadol | 4.246 | 205510 | 509.13 | 3.7 | 40.27 | 2046695 | 4.9946 ng/ml |
| Trazodone | 5.203 | 36015 | 38662.33 | 78.7 | 135.19 | 300657 | 5.0413 ng/ml |
| Venlafaxine | 5.043 | 162059 | 572.12 | 38.2 | 186.99 | 1673461 | 5.1723 ng/ml |
| Zolpidem | 4.955 | 194717 | 1250.63 | 31.0 | 481.52 | 1885208 | 5.0592 ng/ml |

AK

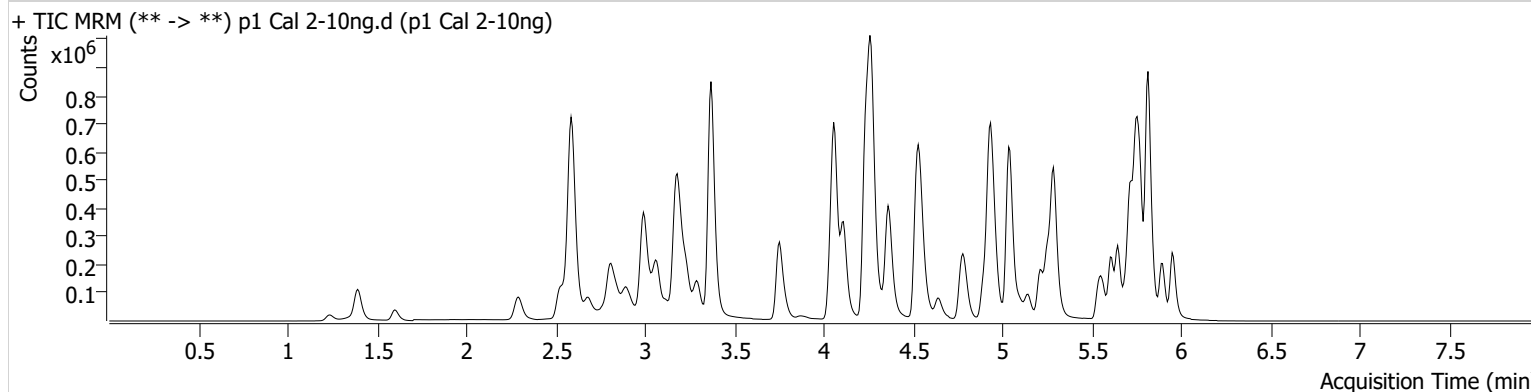


AM #28 Multi-Drug Quant. Results

Batch results C:\Users\agerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Calibration Last Update 6/28/2021 7:43:16 AM

| | | | |
|-------------------------|----------------------|------------------|-----------------|
| Instrument | Falco (069901) | Data File | p1 Cal 2-10ng.d |
| Type | Cal | Sample | p1 Cal 2-10ng |
| Acq. Method | AM 28 MDQ P1.m | Operator | Amber Gerheart |
| Sample Position | P2-B1 | Comment | |
| Injection Volume | 2 | | |
| Acq. Date-Time | 6/16/2021 8:37:09 PM | | |
| Sample Info. | | | |

Sample Chromatogram



| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|---------------------|-------|--------|----------|-------|-----------|------------|---------------|
| 6-MAM | 3.131 | 3816 | 440.48 | 74.6 | 611.44 | 103899 | 0.9326 ng/ml |
| 7-aminoclonazepam | 4.278 | 64116 | 108.55 | 76.8 | 4565.90 | 241522 | 9.9538 ng/ml |
| a-hydroxyalprazolam | 5.699 | 45089 | 133.98 | 57.2 | 377.41 | 501257 | 10.3097 ng/ml |
| alpha-PHP | 4.937 | 40735 | 120.14 | 274.8 | 977.32 | 816951 | 9.7124 ng/ml |
| alpha-PVP | 4.370 | 177592 | 12444.28 | 52.6 | 922.78 | 816951 | 9.6824 ng/ml |
| Alprazolam | 5.775 | 131689 | 418.75 | 115.5 | 602.20 | 501257 | 9.5839 ng/ml |
| Amphetamine | 3.069 | 316678 | 1183.54 | 48.5 | 811.65 | 347262 | 10.1894 ng/ml |
| Benzoylecgonine | 3.899 | 5221 | 60.35 | 8.6 | 11.40 | 20329 | 9.6857 ng/ml |
| Buprenorphine | 5.907 | 1881 | 1253.63 | 15.8 | 416.18 | 69304 | 1.0263 ng/ml |
| Bupropion | 4.795 | 143087 | 380.49 | 61.3 | 418.66 | 524984 | 9.7676 ng/ml |
| Carisoprodol | 5.724 | 128664 | 310.17 | 59.8 | 226.69 | 666159 | 9.5719 ng/ml |
| Citalopram | 5.219 | 62602 | 511.17 | 40.7 | 33557.91 | 295645 | 9.7911 ng/ml |
| Clonazepam | 5.612 | 151941 | ∞ | 32.3 | 157.66 | 186053 | 9.8377 ng/ml |
| Clonazepam | 5.555 | 102544 | 2261.60 | 36.8 | 64260.74 | 186053 | 9.8634 ng/ml |
| Cocaine | 4.264 | 147426 | 10091.76 | 52.9 | 6091.56 | 1437718 | 9.6247 ng/ml |
| Codeine | 2.580 | 19938 | 1544.78 | 100.1 | 32555.21 | 95581 | 10.4495 ng/ml |
| Cyclobenzaprine | 5.615 | 12172 | 406.51 | 8.6 | 40.28 | 52305 | 10.0847 ng/ml |
| Dextromethorphan | 5.262 | 29735 | 3126.77 | 75.8 | 151.30 | 132343 | 10.5002 ng/ml |
| Dextrophan | 4.111 | 49893 | 816.87 | 208.4 | 2463.41 | 607349 | 10.0013 ng/ml |
| Diazepam | 5.960 | 78035 | 1893.67 | 88.2 | 1067.29 | 370833 | 9.8298 ng/ml |
| Dihydrocodeine | 2.559 | 46670 | 5882.78 | 64.9 | 591.88 | 282591 | 10.0324 ng/ml |
| Diphenhydramine | 5.289 | 161435 | 440.73 | 32.5 | 2077.77 | 1007200 | 9.6244 ng/ml |
| Doxylamine | 4.543 | 334288 | 1858.18 | 97.0 | 162313.92 | 1484385 | 9.9570 ng/ml |
| EDDP | 5.254 | 61885 | 1386.99 | 42.1 | 507.38 | 346402 | 9.6882 ng/ml |
| Etizolam | 5.813 | 84782 | 5197.27 | 24.7 | 55706.30 | 186053 | 10.5345 ng/ml |
| Fentanyl | 5.116 | 2131 | 23.77 | 71.2 | 7805.14 | 116820 | 0.8897 ng/ml |
| Flualprazolam | 5.705 | 65485 | 2137.22 | 94.5 | 15575.85 | 501257 | 10.1269 ng/ml |
| Fluoxetine | 5.707 | 7667 | 1250.87 | 10.6 | 211.80 | 33528 | 9.5913 ng/ml |
| Hydrocodone | 3.018 | 69226 | 121.92 | 39.6 | 941.81 | 826145 | 10.2610 ng/ml |
| Hydromorphone | 1.601 | 65764 | 610.51 | 77.8 | 26098.08 | 10953 | 9.8445 ng/ml |
| Ketamine | 4.059 | 138877 | 1061.34 | 37.3 | 178.33 | 653294 | 10.0378 ng/ml |
| Lamotrigine | 4.287 | 13123 | 341.97 | 77.3 | 5829.84 | 653294 | 10.8215 ng/ml |
| Levetiracetam | 2.683 | 59247 | 312.12 | 170.1 | 90.81 | 1781855 | 9.6123 ng/ml |

AK



AM #28 Multi-Drug Quant. Results

| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|----------------------|-------|--------|-----------|-------------------|----------|------------|---------------|
| Lorazepam | 5.747 | 155332 | 2953.91 | 56.0 | 112.62 | 186053 | 10.2947 ng/ml |
| MDA | 3.203 | 214450 | 1608.79 | 24.9 | 26.05 | 568723 | 10.1399 ng/ml |
| MDMA | 3.296 | 126475 | 3377.77 | 79.9 | 745.34 | 123974 | 9.8739 ng/ml |
| Meprobamate | 4.924 | 80388 | 2313.63 | 27.7 | 489.40 | 372546 | 10.2191 ng/ml |
| Methadone | 5.653 | 82097 | 375.78 | 48.1 | 194.48 | 395158 | 9.6596 ng/ml |
| Methamphetamine | 3.238 | 244583 | 79.66 | 38.7 | 148.80 | 925278 | 9.6834 ng/ml |
| Metoprolol | 4.326 | 34180 | 12641.50 | 91.8 | 459.06 | 1630040 | 10.1256 ng/ml |
| Mirtazapine | 4.644 | 117081 | 4292.55 | 49.6 | 989.07 | 816951 | 9.2015 ng/ml |
| Mitragynine | 5.243 | 11655 | 20318.51 | 39.4 | 7104.06 | 395158 | 9.9413 ng/ml |
| Morphine | 1.240 | 9630 | 16626.87 | 34.5 | 204.42 | 10953 | 9.3305 ng/ml |
| Norbuprenorphine | 4.986 | 198 | 363.01 | 127.5 High | 290.51 | 11018 | 0.9556 ng/ml |
| Nordiazepam | 5.900 | 85515 | 38986.61 | 54.5 | 564.44 | 291182 | 9.8185 ng/ml |
| Norfentanyl | 4.086 | 28721 | 873.74 | 32.5 | 27.73 | 1252168 | 0.9785 ng/ml |
| Norhydrocodone | 3.066 | 11405 | 48.94 | 42.9 | 46.74 | 112073 | 9.3913 ng/ml |
| Noroxycodone | 2.909 | 78159 | 272.48 | 41.6 | 231.16 | 275695 | 9.8869 ng/ml |
| O-desmethyl-tramadol | 3.376 | 306736 | 612.92 | 6.8 | 292.78 | 1921039 | 9.6614 ng/ml |
| Oxazepam | 5.756 | 169256 | 1673.32 | 76.3 | 61.38 | 701178 | 9.6249 ng/ml |
| Oxycodone | 2.834 | 144489 | 624.36 | 26.8 | 358.77 | 644689 | 9.8201 ng/ml |
| Oxymorphone | 1.398 | 74697 | 192.34 | 43.1 | 161.19 | 276555 | 9.7822 ng/ml |
| Phentermine | 3.790 | 63013 | 73.82 | 4.8 | 10.18 | 765190 | 9.8507 ng/ml |
| Promethazine | 5.538 | 28012 | 65.91 | 27.1 | 63.36 | 124952 | 9.5449 ng/ml |
| Pseudoephedrine | 2.596 | 361761 | 283.55 | 16.2 | 5993.34 | 1781855 | 9.7118 ng/ml |
| Quetiapine | 5.562 | 74493 | 680466.63 | 57.6 | 54526.32 | 103420 | 9.6482 ng/ml |
| Sertraline | 5.776 | 2319 | 26.45 | 97.3 | 50.83 | 13124 | 9.9902 ng/ml |
| Temazepam | 5.823 | 294660 | 5752.91 | 28.1 | 222.86 | 1441787 | 9.9873 ng/ml |
| Tramadol | 4.246 | 325119 | 613.52 | 3.7 | 177.04 | 1630040 | 9.9790 ng/ml |
| Trazodone | 5.203 | 50474 | 129303.46 | 80.8 | 44365.86 | 214435 | 9.9233 ng/ml |
| Venlafaxine | 5.043 | 247131 | 953.39 | 39.4 | 151.24 | 1320574 | 9.5614 ng/ml |
| Zolpidem | 4.955 | 301238 | 25301.00 | 31.9 | 1356.54 | 1503160 | 9.7545 ng/ml |

AK

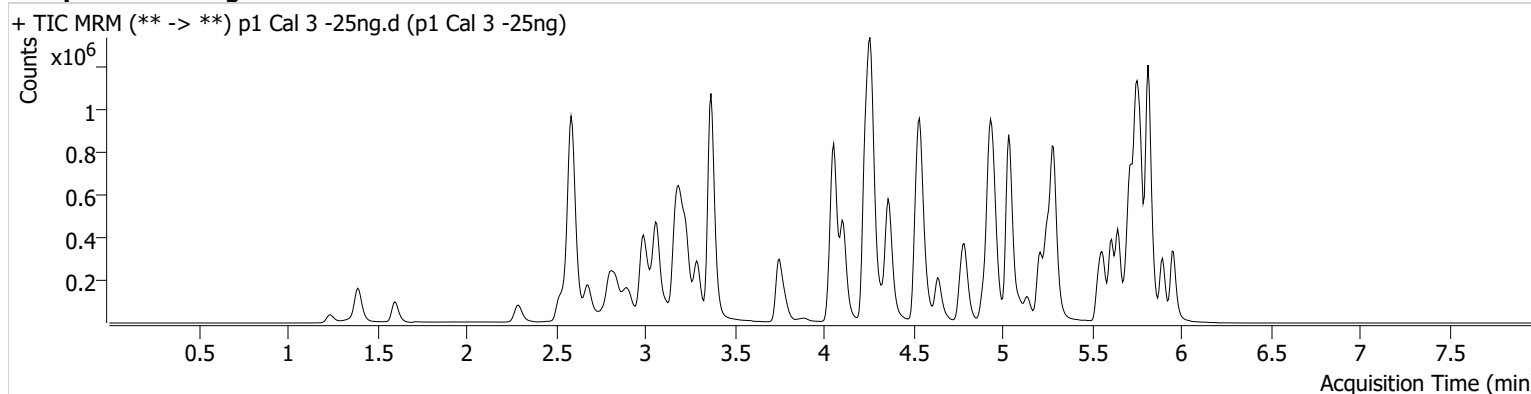


AM #28 Multi-Drug Quant. Results

Batch results C:\Users\agerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Calibration Last Update 6/28/2021 7:43:16 AM

| | | | |
|-------------------------|----------------------|------------------|------------------|
| Instrument | Falco (069901) | Data File | p1 Cal 3 -25ng.d |
| Type | Cal | Sample | p1 Cal 3 -25ng |
| Acq. Method | AM 28 MDQ P1.m | Operator | Amber Gerheart |
| Sample Position | P2-C1 | Comment | |
| Injection Volume | 2 | | |
| Acq. Date-Time | 6/16/2021 8:47:46 PM | | |

Sample Chromatogram



| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|---------------------|-------|--------|-----------|-------|-----------|------------|---------------|
| 6-MAM | 3.131 | 10075 | 698.01 | 70.2 | 1402.49 | 106735 | 2.4393 ng/ml |
| 7-aminoclonazepam | 4.278 | 158868 | 7046.37 | 79.6 | 114.33 | 244330 | 24.3008 ng/ml |
| a-hydroxyalprazolam | 5.699 | 109464 | 1393.76 | 58.0 | 419.26 | 497101 | 26.0823 ng/ml |
| alpha-PHP | 4.937 | 114341 | 4111.43 | 267.3 | 3367.44 | 857977 | 26.9887 ng/ml |
| alpha-PVP | 4.370 | 468589 | 787.61 | 52.7 | 683.20 | 857977 | 23.8428 ng/ml |
| Alprazolam | 5.775 | 331746 | 759.70 | 112.0 | 1763.09 | 497101 | 23.9112 ng/ml |
| Amphetamine | 3.069 | 824534 | 846.71 | 48.2 | 714.50 | 372623 | 26.4942 ng/ml |
| Benzoylcegonine | 3.892 | 13090 | 322.02 | 9.3 | 410.71 | 20864 | 23.8436 ng/ml |
| Buprenorphine | 5.907 | 4965 | 12908.33 | 16.5 | 1111.67 | 80836 | 2.3073 ng/ml |
| Bupropion | 4.795 | 398113 | 21194.51 | 61.2 | 676.61 | 578086 | 24.5573 ng/ml |
| Carisoprodol | 5.724 | 326239 | 1907.92 | 56.9 | 1346.82 | 678023 | 23.4017 ng/ml |
| Citalopram | 5.212 | 187108 | 591.26 | 41.3 | 19831.97 | 352946 | 24.2431 ng/ml |
| Clonazepam | 5.612 | 381988 | 401.38 | 32.0 | 1143.57 | 182945 | 25.4693 ng/ml |
| Clonazepam | 5.548 | 251576 | 16456.03 | 38.0 | 115502.10 | 182945 | 24.6242 ng/ml |
| Cocaine | 4.264 | 380852 | 32731.29 | 52.9 | 1103.96 | 1495828 | 23.6463 ng/ml |
| Codeine | 2.580 | 49870 | 136678.53 | 102.1 | 253.05 | 97648 | 26.3476 ng/ml |
| Cyclobenzaprine | 5.615 | 44227 | 291.01 | 9.2 | 54.65 | 78592 | 23.7615 ng/ml |
| Dextromethorphan | 5.262 | 84809 | 585.82 | 80.4 | 433142.34 | 168374 | 23.6422 ng/ml |
| Dextrophan | 4.111 | 131895 | 4451.14 | 206.6 | 393076.63 | 643457 | 24.4356 ng/ml |
| Diazepam | 5.960 | 197519 | 542.95 | 87.3 | 445.86 | 372928 | 24.4614 ng/ml |
| Dihydrocodeine | 2.559 | 122006 | 1140.20 | 66.6 | 7729.53 | 296521 | 25.6082 ng/ml |
| Diphenhydramine | 5.289 | 481850 | 26431.65 | 33.6 | 1766.72 | 1191360 | 23.7264 ng/ml |
| Doxylamine | 4.543 | 888500 | 5911.01 | 97.4 | 3265.85 | 1595229 | 24.3954 ng/ml |
| EDDP | 5.254 | 205337 | 8076.11 | 40.6 | 35262.65 | 444141 | 24.1177 ng/ml |
| Etizolam | 5.813 | 204800 | 286577.33 | 25.4 | 75549.39 | 182945 | 22.9566 ng/ml |
| Fentanyl | 5.116 | 8138 | 336.57 | 62.5 | 32481.40 | 151212 | 2.5930 ng/ml |
| Flualprazolam | 5.705 | 160905 | 3841.20 | 94.9 | 34980.37 | 497101 | 25.3187 ng/ml |
| Fluoxetine | 5.707 | 35372 | 197.22 | 8.8 | 50.69 | 60305 | 24.2215 ng/ml |
| Hydrocodone | 3.018 | 180317 | 464.89 | 40.2 | ∞ | 862088 | 26.2953 ng/ml |
| Hydromorphone | 1.601 | 168514 | 927.79 | 77.9 | 28530.43 | 11166 | 24.9427 ng/ml |
| Ketamine | 4.059 | 352958 | 4725.58 | 37.5 | 371.39 | 693292 | 24.3095 ng/ml |
| Lamotrigine | 4.280 | 32517 | 520.93 | 78.2 | 588.48 | 693292 | 26.3976 ng/ml |
| Levetiracetam | 2.683 | 155028 | 1155.53 | 167.6 | 619.75 | 1843392 | 23.4575 ng/ml |

AK



AM #28 Multi-Drug Quant. Results

| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|----------------------|-------|--------|-----------|-------|----------|------------|---------------|
| Lorazepam | 5.747 | 364771 | 3794.97 | 57.1 | 628.77 | 182945 | 25.0915 ng/ml |
| MDA | 3.203 | 559002 | 3262.95 | 24.6 | 72.86 | 598987 | 26.2669 ng/ml |
| MDMA | 3.296 | 334811 | 5330.65 | 79.4 | 2178.65 | 130287 | 24.5999 ng/ml |
| Meprobamate | 4.917 | 197790 | 1876.40 | 27.7 | 1265.53 | 374356 | 26.0270 ng/ml |
| Methadone | 5.653 | 255035 | 361.00 | 48.1 | 4212.56 | 475818 | 24.4822 ng/ml |
| Methamphetamine | 3.231 | 638933 | 2500.46 | 37.9 | 441.47 | 979725 | 25.8944 ng/ml |
| Metoprolol | 4.326 | 87096 | 7868.12 | 92.7 | 1085.88 | 1711827 | 24.8902 ng/ml |
| Mirtazapine | 4.637 | 340464 | 2333.93 | 51.0 | 3814.44 | 857977 | 25.5401 ng/ml |
| Mitragynine | 5.243 | 37413 | 103202.36 | 38.5 | 19873.28 | 475818 | 26.2868 ng/ml |
| Morphine | 1.240 | 25957 | 266.84 | 33.2 | 49.79 | 11166 | 24.4180 ng/ml |
| Norbuprenorphine | 4.992 | 670 | 322.84 | 103.6 | 852.98 | 13766 | 2.3317 ng/ml |
| Nordiazepam | 5.900 | 210823 | 3124.78 | 57.3 | 4307.56 | 294024 | 24.1105 ng/ml |
| Norfentanyl | 4.079 | 74384 | 13273.67 | 33.0 | 177.69 | 1309064 | 2.3364 ng/ml |
| Norhydrocodone | 3.066 | 29878 | 331.10 | 41.6 | 32.32 | 111245 | 23.9510 ng/ml |
| Noroxycodone | 2.909 | 201526 | 507.31 | 42.7 | 773.10 | 285599 | 24.6636 ng/ml |
| O-desmethyl-tramadol | 3.376 | 792035 | 11786.71 | 6.9 | 864.44 | 2000380 | 23.5083 ng/ml |
| Oxazepam | 5.756 | 424554 | 5833.07 | 74.8 | 927.15 | 696051 | 24.4876 ng/ml |
| Oxycodone | 2.834 | 376949 | 2084.18 | 26.8 | 445.56 | 672553 | 24.8027 ng/ml |
| Oxymorphone | 1.398 | 188014 | 1589.28 | 43.3 | 166.86 | 285159 | 24.2447 ng/ml |
| Phentermine | 3.783 | 171377 | 1024.65 | 4.4 | 43.29 | 811701 | 26.5918 ng/ml |
| Promethazine | 5.538 | 104415 | 4670.75 | 28.2 | 89.75 | 182694 | 24.3810 ng/ml |
| Pseudoephedrine | 2.596 | 936876 | 10773.22 | 16.7 | 5149.29 | 1843392 | 23.4859 ng/ml |
| Quetiapine | 5.569 | 212276 | 262861.46 | 59.8 | 9249.48 | 118679 | 23.7734 ng/ml |
| Sertraline | 5.776 | 14461 | 78.41 | 93.4 | 124.81 | 27637 | 25.2941 ng/ml |
| Temazepam | 5.823 | 718621 | ∞ | 28.3 | 994.24 | 1436493 | 23.7745 ng/ml |
| Tramadol | 4.246 | 829881 | 657.30 | 3.5 | 381.80 | 1711827 | 24.3385 ng/ml |
| Trazodone | 5.203 | 150878 | 209380.33 | 81.5 | 508.23 | 268339 | 23.7296 ng/ml |
| Venlafaxine | 5.037 | 673545 | 1485.97 | 37.5 | 7243.80 | 1421868 | 23.4901 ng/ml |
| Zolpidem | 4.955 | 782625 | 127101.36 | 31.1 | 1431.78 | 1554261 | 24.4100 ng/ml |

AK

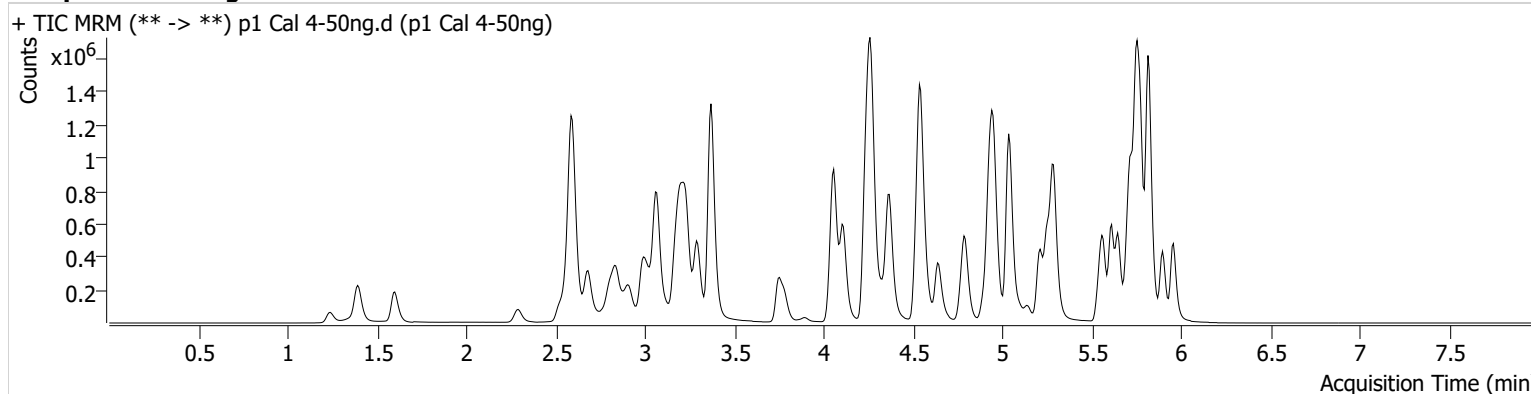


AM #28 Multi-Drug Quant. Results

Batch results C:\Users\agerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Calibration Last Update 6/28/2021 7:43:16 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 | Amber Gerheart |
| Sample Position | P2-D1 | Comment | |
| Injection Volume | 2 | | |
| Acq. Date-Time | 6/16/2021 8:58:21 PM | | |
| Sample Info. | | | |

Sample Chromatogram



| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|---------------------|-------|---------|------------|-------|------------|------------|---------------|
| 6-MAM | 3.131 | 19367 | 800.64 | 69.7 | 53477.21 | 97761 | 5.1485 ng/ml |
| 7-aminoclonazepam | 4.278 | 305154 | 196.86 | 79.5 | 3436.40 | 221867 | 51.3415 ng/ml |
| a-hydroxyalprazolam | 5.699 | 206051 | 727.47 | 58.9 | 1315.80 | 447288 | 55.2005 ng/ml |
| alpha-PHP | 4.937 | 206055 | 2522.13 | 269.4 | 3982.29 | 751790 | 56.1571 ng/ml |
| alpha-PVP | 4.370 | 897667 | 11506.83 | 52.6 | 886.92 | 751790 | 51.7477 ng/ml |
| Alprazolam | 5.775 | 642799 | ∞ | 113.0 | 2660.61 | 447288 | 51.1655 ng/ml |
| Amphetamine | 3.069 | 1469062 | 2375.00 | 48.8 | 26197.66 | 315727 | 57.0788 ng/ml |
| Benzoylecgonine | 3.892 | 24803 | 164.71 | 8.3 | 68.89 | 19628 | 48.1489 ng/ml |
| Buprenorphine | 5.907 | 9076 | 118.09 | 13.4 | 2882.77 | 65303 | 5.2057 ng/ml |
| Bupropion | 4.795 | 708158 | 809.60 | 61.5 | 8312.65 | 487400 | 51.7205 ng/ml |
| Carisoprodol | 5.724 | 614596 | 2833049.93 | 58.2 | 381.88 | 584630 | 50.7759 ng/ml |
| Citalopram | 5.212 | 327419 | 180.68 | 41.8 | 589.17 | 287597 | 51.8561 ng/ml |
| Clonazepam | 5.612 | 736592 | 21524.79 | 32.3 | ∞ | 168060 | 53.6861 ng/ml |
| Clonazepam | 5.548 | 478553 | 4575.34 | 37.0 | 253325.03 | 168060 | 51.0000 ng/ml |
| Cocaine | 4.264 | 748365 | 615.16 | 51.3 | 11678.86 | 1362054 | 50.8313 ng/ml |
| Codeine | 2.580 | 94703 | 961.59 | 101.0 | 178009.64 | 88175 | 55.9914 ng/ml |
| Cyclobenzaprine | 5.622 | 58717 | 390.91 | 9.4 | 35.68 | 50496 | 48.6296 ng/ml |
| Dextromethorphan | 5.262 | 145193 | 1081.71 | 82.2 | 158.93 | 133457 | 51.1613 ng/ml |
| Dextrophan | 4.111 | 249103 | 727.06 | 206.4 | 1555.43 | 569004 | 51.7938 ng/ml |
| Diazepam | 5.960 | 383561 | 11456.95 | 88.4 | 2319.91 | 335826 | 52.5361 ng/ml |
| Dihydrocodeine | 2.559 | 235148 | 622.90 | 67.3 | 52.36 | 267681 | 55.1400 ng/ml |
| Diphenhydramine | 5.289 | 849226 | 13434.19 | 33.4 | 821.94 | 983489 | 50.2373 ng/ml |
| Doxylamine | 4.543 | 1702434 | 4218.17 | 97.3 | 54096.09 | 1426059 | 52.1098 ng/ml |
| EDDP | 5.254 | 371121 | 529.52 | 42.3 | 393.15 | 384123 | 49.7458 ng/ml |
| Etizolam | 5.813 | 397711 | 10168.02 | 24.9 | 6590.56 | 168060 | 46.2937 ng/ml |
| Fentanyl | 5.116 | 12252 | 317.80 | 63.9 | 19576.69 | 115350 | 5.1015 ng/ml |
| Flualprazolam | 5.705 | 308399 | 2264.18 | 94.2 | 4953.07 | 447288 | 54.1057 ng/ml |
| Fluoxetine | 5.707 | 32125 | 3528.73 | 9.4 | 41.80 | 25482 | 51.7822 ng/ml |
| Hydrocodone | 3.018 | 347793 | 243.17 | 39.2 | 1432.10 | 810997 | 54.3921 ng/ml |
| Hydromorphone | 1.601 | 325500 | 1218508.80 | 77.8 | 1834305.97 | 9959 | 54.1695 ng/ml |
| Ketamine | 4.059 | 684506 | 565.21 | 37.3 | 365.61 | 628267 | 52.2448 ng/ml |
| Lamotrigine | 4.280 | 61126 | 1783.84 | 79.3 | 792.35 | 628267 | 55.6691 ng/ml |
| Levetiracetam | 2.683 | 302985 | 1280.64 | 165.7 | 3361.36 | 1658801 | 50.2915 ng/ml |

AK



AM #28 Multi-Drug Quant. Results

| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|----------------------|-------|---------|-----------|-------|----------|------------|---------------|
| Lorazepam | 5.747 | 690438 | 2768.25 | 56.9 | 531.35 | 168060 | 52.0857 ng/ml |
| MDA | 3.203 | 1002179 | 5278.29 | 25.0 | 125.63 | 515766 | 55.5486 ng/ml |
| MDMA | 3.296 | 630838 | 2844.78 | 80.3 | 649.37 | 116390 | 51.6858 ng/ml |
| Meprobamate | 4.917 | 374037 | 2281.68 | 28.0 | 1355.41 | 339168 | 55.0800 ng/ml |
| Methadone | 5.653 | 421000 | 258968.40 | 49.0 | 5980.24 | 379320 | 50.3979 ng/ml |
| Methamphetamine | 3.231 | 1184195 | 2543.54 | 37.8 | 1033.33 | 870830 | 55.4761 ng/ml |
| Metoprolol | 4.326 | 169648 | 6111.96 | 91.0 | 4114.29 | 1530714 | 54.4840 ng/ml |
| Mirtazapine | 4.637 | 607921 | 2320.92 | 50.0 | 2359.46 | 751790 | 52.0813 ng/ml |
| Mitragynine | 5.243 | 59737 | 91098.88 | 38.2 | 1066.11 | 379320 | 52.5189 ng/ml |
| Morphine | 1.240 | 51007 | 556.06 | 33.1 | 1499.29 | 9959 | 53.6120 ng/ml |
| Norbuprenorphine | 4.986 | 1324 | 467.58 | 80.5 | 2999.13 | 10497 | 5.8030 ng/ml |
| Nordiazepam | 5.900 | 408364 | 2667.47 | 56.1 | 3572.40 | 259133 | 53.1055 ng/ml |
| Norfentanyl | 4.079 | 134925 | 222.45 | 33.7 | 355.97 | 1121494 | 4.8805 ng/ml |
| Norhydrocodone | 3.059 | 53179 | 201.04 | 41.4 | 931.34 | 92985 | 50.4261 ng/ml |
| Noroxycodone | 2.909 | 380017 | 1163.06 | 43.5 | 934.36 | 252164 | 52.7171 ng/ml |
| O-desmethyl-tramadol | 3.369 | 1584004 | 3838.13 | 6.8 | 14680.13 | 1831944 | 50.9778 ng/ml |
| Oxazepam | 5.756 | 813828 | 7828.53 | 72.3 | 4399.30 | 592222 | 55.3071 ng/ml |
| Oxycodone | 2.834 | 736729 | 1024.09 | 27.2 | 2660.10 | 613512 | 53.3271 ng/ml |
| Oxymorphone | 1.391 | 366868 | 845.73 | 43.2 | 138.45 | 248820 | 54.5310 ng/ml |
| Phentermine | 3.783 | 324270 | 307.06 | 4.4 | 63.89 | 723162 | 57.4358 ng/ml |
| Promethazine | 5.538 | 145769 | 1201.61 | 27.9 | 568.56 | 120335 | 51.7095 ng/ml |
| Pseudoephedrine | 2.596 | 1800760 | 2134.18 | 16.5 | 12587.25 | 1658801 | 49.5416 ng/ml |
| Quetiapine | 5.562 | 367553 | 5041.61 | 58.2 | 169.23 | 94799 | 51.3866 ng/ml |
| Sertraline | 5.776 | 8855 | 246.42 | 94.5 | 57.08 | 8333 | 49.1133 ng/ml |
| Temazepam | 5.823 | 1359960 | 1452.43 | 28.5 | 1246.60 | 1274773 | 50.1740 ng/ml |
| Tramadol | 4.246 | 1624717 | 1172.93 | 3.7 | 358.79 | 1530714 | 53.3566 ng/ml |
| Trazodone | 5.203 | 260191 | 97458.67 | 80.5 | 842.87 | 207906 | 52.8391 ng/ml |
| Venlafaxine | 5.037 | 1280720 | 52760.38 | 38.0 | 446.15 | 1256247 | 50.0182 ng/ml |
| Zolpidem | 4.955 | 1511656 | 1522.60 | 30.9 | 23229.83 | 1399170 | 52.2993 ng/ml |

AG

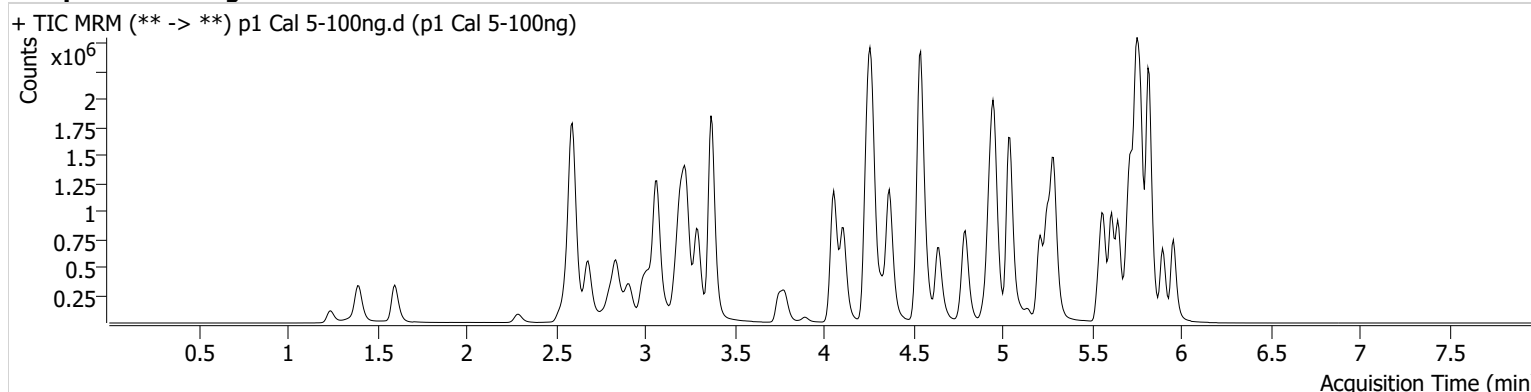


AM #28 Multi-Drug Quant. Results

Batch results C:\Users\agerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Calibration Last Update 6/28/2021 7:43:16 AM

| | | | |
|-------------------------|----------------------|------------------|------------------|
| Instrument | Falco (069901) | Data File | p1 Cal 5-100ng.d |
| Type | Cal | Sample | p1 Cal 5-100ng |
| Acq. Method | AM 28 MDQ P1.m | Operator | Amber Gerheart |
| Sample Position | P2-E1 | Comment | |
| Injection Volume | 2 | | |
| Acq. Date-Time | 6/16/2021 9:08:56 PM | | |

Sample Chromatogram



| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|---------------------|-------|---------|-----------|-------|-----------|------------|----------------|
| 6-MAM | 3.131 | 36057 | 469.59 | 69.5 | 47334.47 | 93697 | 10.0266 ng/ml |
| 7-aminoclonazepam | 4.278 | 552869 | 7002.82 | 78.7 | 10531.58 | 206301 | 99.9857 ng/ml |
| a-hydroxyalprazolam | 5.699 | 349780 | 543.07 | 57.7 | 689.85 | 406789 | 103.5389 ng/ml |
| alpha-PHP | 4.937 | 375542 | 550.08 | 265.9 | 1897.46 | 714265 | 108.2904 ng/ml |
| alpha-PVP | 4.370 | 1611283 | 607.25 | 52.7 | 7597.66 | 714265 | 97.4812 ng/ml |
| Alprazolam | 5.775 | 1145888 | 1563.70 | 111.1 | 4942.78 | 406789 | 100.0203 ng/ml |
| Amphetamine | 3.069 | 2463127 | 3412.97 | 48.4 | 6792.77 | 284590 | 107.2399 ng/ml |
| Benzoylecgonine | 3.892 | 47051 | 359.13 | 8.3 | 402.81 | 18707 | 95.9580 ng/ml |
| Buprenorphine | 5.907 | 17472 | 15980.73 | 13.5 | 6479.01 | 63955 | 10.2209 ng/ml |
| Bupropion | 4.795 | 1246838 | 27630.83 | 61.3 | 6256.04 | 443864 | 99.9198 ng/ml |
| Carisoprodol | 5.724 | 1068130 | 674.53 | 57.0 | 3316.46 | 520633 | 98.8092 ng/ml |
| Citalopram | 5.212 | 635106 | 354.14 | 41.6 | 1042.70 | 294988 | 97.9071 ng/ml |
| Clonazepam | 5.612 | 1282344 | 21077.82 | 32.3 | 14707.24 | 150167 | 104.7922 ng/ml |
| Clonazepam | 5.548 | 848061 | 91803.91 | 38.3 | 683574.91 | 150167 | 101.1576 ng/ml |
| Cocaine | 4.264 | 1352724 | ∞ | 52.1 | 965023.32 | 1277425 | 97.8109 ng/ml |
| Codeine | 2.580 | 168119 | 886.61 | 100.1 | 120.52 | 83393 | 105.5598 ng/ml |
| Cyclobenzaprine | 5.622 | 156459 | 251.54 | 8.9 | 188.20 | 63923 | 101.8756 ng/ml |
| Dextromethorphan | 5.262 | 286186 | 8828.16 | 79.0 | 93817.52 | 135668 | 99.2766 ng/ml |
| Dextrophan | 4.111 | 453910 | 835.73 | 207.2 | 2189.74 | 542795 | 98.6181 ng/ml |
| Diazepam | 5.960 | 696082 | 5025.92 | 88.0 | 532.85 | 319925 | 99.9138 ng/ml |
| Dihydrocodeine | 2.559 | 436255 | 5951.30 | 65.9 | 1229.25 | 260041 | 105.6777 ng/ml |
| Diphenhydramine | 5.289 | 1626573 | 614.15 | 33.5 | 24201.99 | 963197 | 97.8984 ng/ml |
| Doxylamine | 4.543 | 3217824 | 102699.76 | 96.7 | 8864.14 | 1398280 | 100.3060 ng/ml |
| EDDP | 5.254 | 836915 | 11110.39 | 42.4 | 264.93 | 446281 | 95.9920 ng/ml |
| Etizolam | 5.813 | 701425 | 1927.51 | 25.7 | 423480.07 | 150167 | 89.4206 ng/ml |
| Fentanyl | 5.116 | 25581 | 104.05 | 65.8 | 820.31 | 124831 | 9.8272 ng/ml |
| Flualprazolam | 5.705 | 532752 | 677.89 | 97.2 | 80809.50 | 406789 | 102.9102 ng/ml |
| Fluoxetine | 5.707 | 97150 | 4656.24 | 8.4 | 11191.42 | 39761 | 100.1310 ng/ml |
| Hydrocodone | 3.018 | 625490 | 3548.14 | 39.5 | 219.23 | 760642 | 104.7157 ng/ml |
| Hydromorphone | 1.601 | 590815 | 2421.62 | 77.5 | 7094.32 | 9582 | 102.3059 ng/ml |
| Ketamine | 4.059 | 1256171 | 23302.98 | 36.6 | 683.04 | 587040 | 102.7971 ng/ml |
| Lamotrigine | 4.287 | 108201 | 1284.04 | 82.7 | 6030.47 | 587040 | 106.2199 ng/ml |
| Levetiracetam | 2.683 | 554771 | 6613.25 | 164.6 | 6987.64 | 1544876 | 98.3352 ng/ml |

AK



AM #28 Multi-Drug Quant. Results

| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|----------------------|-------|---------|-----------|-------|----------|------------|----------------|
| Lorazepam | 5.747 | 1112157 | 7147.78 | 57.4 | 946.05 | 150167 | 94.1887 ng/ml |
| MDA | 3.203 | 1724865 | 6952.91 | 25.4 | 205.47 | 465879 | 106.5620 ng/ml |
| MDMA | 3.296 | 1149347 | 2776.38 | 80.7 | 7911.67 | 109923 | 99.5413 ng/ml |
| Meprobamate | 4.924 | 630618 | 20662.73 | 28.3 | 6128.50 | 319691 | 99.0684 ng/ml |
| Methadone | 5.653 | 875510 | 1428.21 | 49.3 | 1484.92 | 399786 | 99.1719 ng/ml |
| Methamphetamine | 3.231 | 2093202 | 1343.94 | 37.7 | 1428.90 | 806692 | 107.0974 ng/ml |
| Metoprolol | 4.326 | 308201 | 4892.29 | 90.8 | 6974.92 | 1485005 | 102.2247 ng/ml |
| Mirtazapine | 4.644 | 1159107 | 11466.17 | 50.1 | 11294.53 | 714265 | 104.5544 ng/ml |
| Mitragynine | 5.243 | 125017 | 2264.91 | 38.9 | 8392.82 | 399786 | 104.1572 ng/ml |
| Morphine | 1.240 | 93456 | 432.77 | 33.3 | 474.09 | 9582 | 101.9539 ng/ml |
| Norbuprenorphine | 4.992 | 2164 | 165.20 | 105.3 | 75.51 | 9947 | 9.9015 ng/ml |
| Nordiazepam | 5.900 | 738818 | 19391.74 | 55.7 | 837.22 | 244699 | 101.8348 ng/ml |
| Norfentanyl | 4.086 | 237352 | 529.48 | 34.0 | 288.80 | 1020339 | 9.3814 ng/ml |
| Norhydrocodone | 3.066 | 90469 | ∞ | 41.4 | 59.24 | 81788 | 97.0531 ng/ml |
| Noroxycodone | 2.909 | 681034 | 4389.15 | 41.8 | 2453.71 | 230645 | 103.3250 ng/ml |
| O-desmethyl-tramadol | 3.376 | 2953207 | 1375.47 | 6.8 | 8699.41 | 1751468 | 99.1211 ng/ml |
| Oxazepam | 5.756 | 1370340 | 22061.16 | 72.6 | 385.82 | 532208 | 103.7243 ng/ml |
| Oxycodone | 2.834 | 1361063 | 2149.31 | 26.8 | 873.85 | 594563 | 101.8062 ng/ml |
| Oxymorphone | 1.398 | 647297 | ∞ | 43.7 | ∞ | 239797 | 100.0446 ng/ml |
| Phentermine | 3.783 | 574895 | 648.66 | 4.5 | 520.41 | 683423 | 108.4966 ng/ml |
| Promethazine | 5.538 | 365580 | 1115.15 | 28.7 | 3477.86 | 155305 | 100.5121 ng/ml |
| Pseudoephedrine | 2.596 | 3253338 | 21941.48 | 16.4 | 93100.51 | 1544876 | 95.5885 ng/ml |
| Quetiapine | 5.569 | 768248 | 44700.31 | 58.6 | 261.09 | 106355 | 95.6288 ng/ml |
| Sertraline | 5.776 | 37984 | 338.69 | 97.6 | 404.38 | 17144 | 100.0214 ng/ml |
| Temazepam | 5.823 | 2343173 | 35090.42 | 28.6 | 343.18 | 1138999 | 96.3223 ng/ml |
| Tramadol | 4.246 | 2972288 | 32639.98 | 3.7 | 634.58 | 1485005 | 100.6679 ng/ml |
| Trazodone | 5.203 | 539093 | 60248.47 | 80.9 | 21497.05 | 225334 | 101.0269 ng/ml |
| Venlafaxine | 5.043 | 2387418 | 2383.49 | 37.5 | 2897.91 | 1192872 | 97.7455 ng/ml |
| Zolpidem | 4.955 | 2756913 | 104209.43 | 31.0 | 31856.78 | 1329393 | 100.3281 ng/ml |

AM #28 Multi-Drug Quant. Results

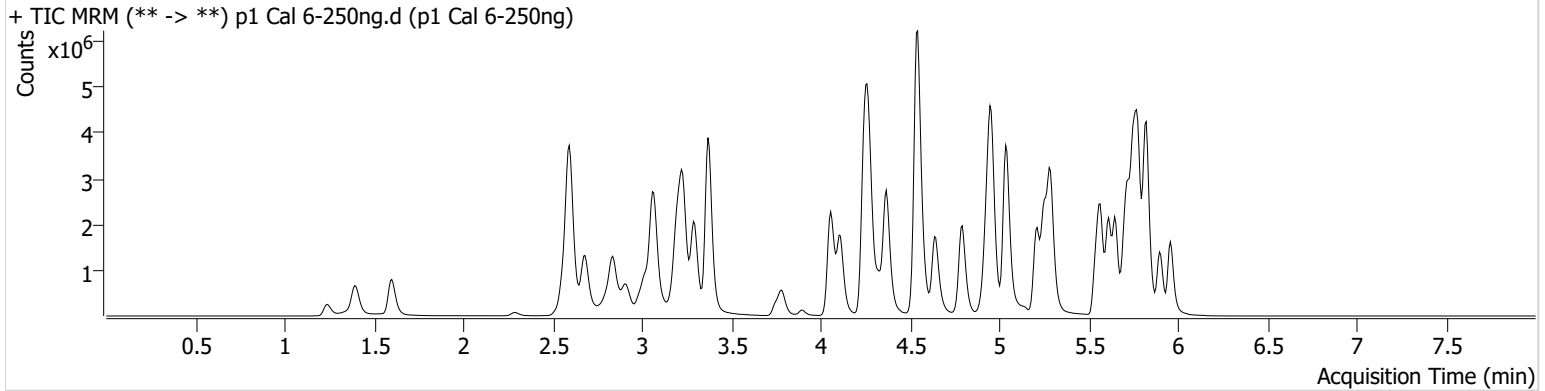
AK



Batch results C:\Users\agerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Calibration Last Update 6/28/2021 7:43:16 AM

| | | | |
|-------------------------|----------------------|------------------|------------------|
| Instrument | Falco (069901) | Data File | p1 Cal 6-250ng.d |
| Type | Cal | Sample | p1 Cal 6-250ng |
| Acq. Method | AM 28 MDQ P1.m | Operator | Amber Gerheart |
| Sample Position | P2-F1 | Comment | |
| Injection Volume | 2 | | |
| Acq. Date-Time | 6/16/2021 9:19:32 PM | | |
| Sample Info. | | | |

Sample Chromatogram



| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|---------------------|-------|---------|-----------|-------|------------|------------|----------------|
| 6-MAM | 3.131 | 96360 | 2076.75 | 67.7 | 10334.65 | 100240 | 25.0865 ng/ml |
| 7-aminoclonazepam | 4.278 | 1250184 | 605.44 | 78.1 | 508.43 | 186952 | 249.4122 ng/ml |
| a-hydroxyalprazolam | 5.692 | 684005 | 680.77 | 57.9 | 1167.71 | 403365 | 204.7580 ng/ml |
| alpha-PHP | 4.937 | 912019 | 6989.96 | 266.1 | 7970.03 | 744506 | 253.1245 ng/ml |
| alpha-PVP | 4.370 | 4250779 | 39362.00 | 52.0 | 749.78 | 744506 | 246.2332 ng/ml |
| Alprazolam | 5.775 | 2829396 | ∞ | 112.1 | 1064.11 | 403365 | 248.6432 ng/ml |
| Amphetamine | 3.069 | 5620153 | 2403.49 | 47.7 | 769.42 | 284484 | 246.3735 ng/ml |
| Benzoylecgonine | 3.892 | 132536 | 340.49 | 8.1 | 178.96 | 20271 | 249.6492 ng/ml |
| Buprenorphine | 5.907 | 43522 | 2144.24 | 14.6 | 9774.45 | 66049 | 24.6351 ng/ml |
| Bupropion | 4.795 | 3210589 | 112096.59 | 61.8 | 1408.03 | 464031 | 245.9928 ng/ml |
| Carisoprodol | 5.730 | 2215251 | 140228.05 | 57.4 | 12285.56 | 431110 | 247.0316 ng/ml |
| Citalopram | 5.212 | 1602095 | 4645.48 | 41.4 | 20133.67 | 292657 | 248.6669 ng/ml |
| Clonazepam | 5.612 | 2931969 | 3719.67 | 31.6 | 1319520.51 | 143477 | 251.0526 ng/ml |
| Clonazepam | 5.548 | 2033771 | 26151.90 | 37.5 | 1522127.39 | 143477 | 253.9157 ng/ml |
| Cocaine | 4.264 | 3454431 | 178005.01 | 51.6 | 38166.09 | 1293290 | 246.4557 ng/ml |
| Codeine | 2.580 | 373555 | 3564.48 | 98.3 | 431.89 | 83316 | 235.4137 ng/ml |
| Cyclobenzaprine | 5.622 | 580511 | 544171.74 | 9.2 | 648.50 | 96608 | 249.4629 ng/ml |
| Dextromethorphan | 5.262 | 751126 | 22836.98 | 79.8 | 563.94 | 141982 | 249.1005 ng/ml |
| Dextrophan | 4.111 | 1142222 | 1370.98 | 205.3 | 3331.98 | 546596 | 245.9166 ng/ml |
| Diazepam | 5.960 | 1759369 | 2328.58 | 88.1 | 3416.88 | 327002 | 246.7986 ng/ml |
| Dihydrocodeine | 2.552 | 1080225 | 1146.89 | 66.5 | 1134.71 | 282230 | 241.6258 ng/ml |
| Diphenhydramine | 5.289 | 4266204 | 80572.12 | 32.6 | 8413.00 | 997214 | 247.4469 ng/ml |
| Doxylamine | 4.543 | 8865250 | 4470.42 | 96.1 | 204585.07 | 1494813 | 258.2549 ng/ml |
| EDDP | 5.254 | 2462860 | 37883.57 | 41.6 | 8400.50 | 510484 | 246.0112 ng/ml |
| Etizolam | 5.813 | 1751908 | 4399.54 | 25.2 | 24850.00 | 143477 | 230.5146 ng/ml |
| Fentanyl | 5.116 | 83411 | 848.78 | 65.5 | 88776.48 | 156556 | 25.5240 ng/ml |
| Flualprazolam | 5.705 | 1257621 | 16663.62 | 100.0 | 4914.03 | 403365 | 245.2057 ng/ml |
| Fluoxetine | 5.707 | 444763 | 780881.73 | 8.5 | 213670.36 | 70989 | 256.3776 ng/ml |
| Hydrocodone | 3.018 | 1580413 | 8119.17 | 39.7 | ∞ | 804457 | 250.8059 ng/ml |
| Hydromorphone | 1.601 | 1457508 | 7814.69 | 74.6 | 8785.02 | 9679 | 250.0428 ng/ml |
| Ketamine | 4.059 | 3303480 | 42088.84 | 36.6 | 935.34 | 639398 | 248.4732 ng/ml |
| Lamotrigine | 4.287 | 257500 | 2354.48 | 82.3 | 187089.11 | 639398 | 233.0893 ng/ml |
| Levetiracetam | 2.683 | 1380464 | 1513.13 | 166.1 | 1447.81 | 1511205 | 249.2815 ng/ml |

AK



AM #28 Multi-Drug Quant. Results

| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|----------------------|-------|---------|-----------|-------|-----------|------------|----------------|
| Lorazepam | 5.747 | 1781489 | 17585.50 | 56.1 | 1628.19 | 143477 | 158.1552 ng/ml |
| MDA | 3.203 | 3749972 | 6885.79 | 24.5 | 638.49 | 437063 | 247.9930 ng/ml |
| MDMA | 3.296 | 2939956 | 4933.08 | 80.2 | 3333.32 | 113524 | 246.2795 ng/ml |
| Meprobamate | 4.917 | 1324983 | 38480.35 | 27.1 | 572.87 | 306757 | 217.7530 ng/ml |
| Methadone | 5.653 | 2387822 | 811.10 | 48.6 | 5036.89 | 433081 | 249.2604 ng/ml |
| Methamphetamine | 3.231 | 5247685 | 2024.49 | 36.9 | 1490.97 | 872281 | 250.1068 ng/ml |
| Metoprolol | 4.326 | 786509 | 270260.19 | 91.8 | 43747.49 | 1516248 | 255.8329 ng/ml |
| Mirtazapine | 4.637 | 3020226 | 91356.48 | 50.6 | 69624.64 | 744506 | 261.4191 ng/ml |
| Mitragynine | 5.243 | 331946 | 1651.12 | 39.4 | 1286.27 | 433081 | 255.1093 ng/ml |
| Morphine | 1.240 | 231468 | 975.77 | 34.6 | 249.43 | 9679 | 249.7614 ng/ml |
| Norbuprenorphine | 4.992 | 5169 | 69.87 | 106.6 | 50.25 | 10661 | 21.8827 ng/ml |
| Nordiazepam | 5.900 | 1790900 | 5060.24 | 56.0 | 1416.12 | 240111 | 251.7069 ng/ml |
| Norfentanyl | 4.079 | 639968 | 5840.71 | 34.4 | 994.98 | 1056479 | 24.3345 ng/ml |
| Norhydrocodone | 3.059 | 184697 | ∞ | 47.4 | 123.89 | 70320 | 229.7517 ng/ml |
| Noroxycodone | 2.909 | 1511994 | 4910.31 | 42.3 | 586.66 | 212438 | 249.1088 ng/ml |
| O-desmethyl-tramadol | 3.369 | 8049318 | 86644.76 | 6.5 | 27739.36 | 1841479 | 256.4772 ng/ml |
| Oxazepam | 5.756 | 2505436 | 12313.20 | 73.3 | 15120.76 | 403794 | 250.1062 ng/ml |
| Oxycodone | 2.834 | 3546321 | 2307.21 | 27.1 | 668.91 | 643426 | 245.3468 ng/ml |
| Oxymorphone | 1.391 | 1541998 | ∞ | 43.9 | ∞ | 235299 | 243.2450 ng/ml |
| Phentermine | 3.783 | 1383215 | 345.59 | 4.6 | 1042.66 | 715304 | 250.5207 ng/ml |
| Promethazine | 5.538 | 1409297 | 2227.97 | 28.2 | 5902.60 | 238281 | 252.5872 ng/ml |
| Pseudoephedrine | 2.596 | 8315600 | 80830.20 | 15.9 | 93461.26 | 1511205 | 248.8841 ng/ml |
| Quetiapine | 5.569 | 2016498 | 40596.11 | 58.6 | 33538.24 | 106812 | 249.7309 ng/ml |
| Sertraline | 5.776 | 233439 | 91.08 | 94.1 | 170159.39 | 42010 | 247.5530 ng/ml |
| Temazepam | 5.823 | 5190452 | 10758.15 | 27.4 | 1403.43 | 986221 | 245.6968 ng/ml |
| Tramadol | 4.246 | 7831328 | 1776.92 | 3.5 | 570.39 | 1516248 | 259.8650 ng/ml |
| Trazodone | 5.203 | 1555372 | 1169.79 | 82.8 | 1384.35 | 269692 | 243.5631 ng/ml |
| Venlafaxine | 5.037 | 6380841 | 233260.71 | 36.4 | 749.19 | 1249194 | 248.7430 ng/ml |
| Zolpidem | 4.955 | 7501044 | 64740.93 | 29.2 | 2106.15 | 1425329 | 254.4996 ng/ml |

AK

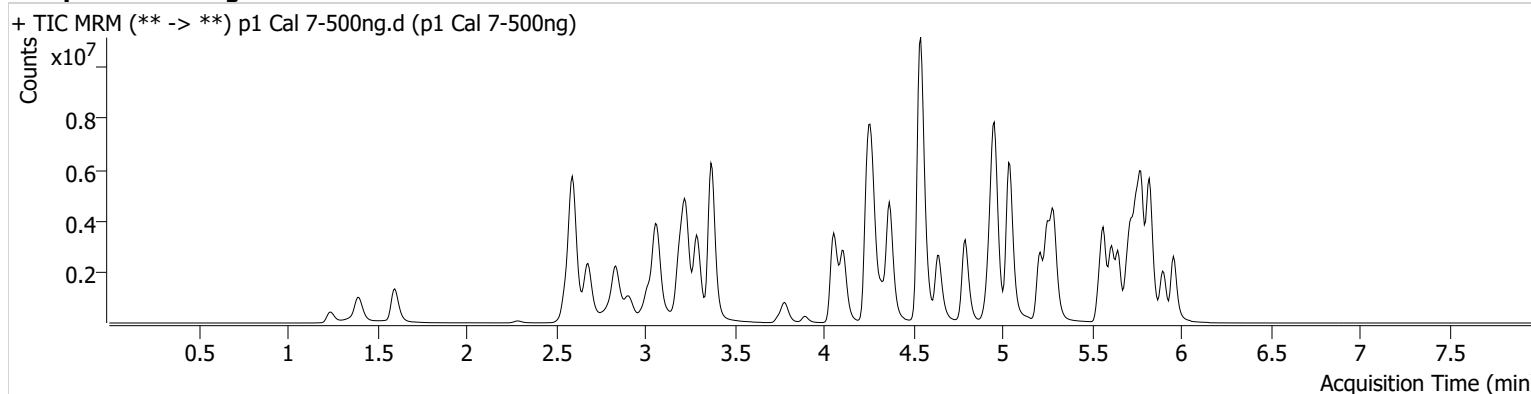


AM #28 Multi-Drug Quant. Results

Batch results C:\Users\agerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Calibration Last Update 6/28/2021 7:43:16 AM

| | | | |
|-------------------------|----------------------|------------------|------------------|
| Instrument | Falco (069901) | Data File | p1 Cal 7-500ng.d |
| Type | Cal | Sample | p1 Cal 7-500ng |
| Acq. Method | AM 28 MDQ P1.m | Operator | Amber Gerheart |
| Sample Position | P2-G1 | Comment | |
| Injection Volume | 2 | | |
| Acq. Date-Time | 6/16/2021 9:30:08 PM | | |

Sample Chromatogram



| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|---------------------|-------|----------|------------|-------|------------|------------|----------------|
| 6-MAM | 3.131 | 187706 | 2144.79 | 70.4 | 925.40 | 98364 | 49.8261 ng/ml |
| 7-aminoclonazepam | 4.278 | 1895358 | 28715.39 | 78.6 | 7450.16 | 138596 | 509.9972 ng/ml |
| a-hydroxyalprazolam | 5.692 | 912022 | 2577.41 | 58.3 | 2090.84 | 328058 | 336.0594 ng/ml |
| alpha-PHP | 4.937 | 1461962 | 12366.25 | 268.7 | 1512.56 | 647776 | 466.8662 ng/ml |
| alpha-PVP | 4.370 | 7808358 | 2096.83 | 51.4 | 1288.48 | 647776 | 519.4985 ng/ml |
| Alprazolam | 5.775 | 4833547 | 1479.44 | 110.5 | 2666.86 | 328058 | 521.9611 ng/ml |
| Amphetamine | 3.069 | 8300420 | 7930.97 | 47.9 | 2985.28 | 230687 | 449.7428 ng/ml |
| Benzoylecgonine | 3.892 | 286438 | 1116.61 | 8.0 | 5893.74 | 21096 | 518.5745 ng/ml |
| Buprenorphine | 5.914 | 50555 | 673.51 | 14.8 | 15043.42 | 37786 | 50.0087 ng/ml |
| Bupropion | 4.795 | 5414992 | 83122.61 | 61.2 | 1519.70 | 385398 | 499.4597 ng/ml |
| Carisoprodol | 5.730 | 3249975 | 4979554.23 | 58.1 | 34348.90 | 307740 | 507.3945 ng/ml |
| Citalopram | 5.212 | 2195971 | 109029.89 | 41.3 | 444.72 | 198938 | 501.2315 ng/ml |
| Clonazepam | 5.612 | 4712039 | 4885.79 | 31.3 | 16830.72 | 120418 | 480.9219 ng/ml |
| Clonazepam | 5.555 | 3366383 | 15121.95 | 38.2 | 6444.44 | 120418 | 500.7855 ng/ml |
| Cocaine | 4.264 | 6029010 | 5962.04 | 50.8 | 63213.73 | 1083483 | 513.2472 ng/ml |
| Codeine | 2.580 | 578869 | 279.52 | 94.9 | 1824.10 | 73379 | 414.6047 ng/ml |
| Cyclobenzaprine | 5.622 | 530895 | 160.45 | 8.9 | 227.52 | 45296 | 486.1650 ng/ml |
| Dextromethorphan | 5.262 | 913491 | 35549.45 | 80.0 | 17868.75 | 85556 | 502.8279 ng/ml |
| Dextrophan | 4.111 | 1974201 | 42677.76 | 209.3 | 899.32 | 465617 | 498.6026 ng/ml |
| Diazepam | 5.960 | 3134499 | 22269.93 | 88.1 | 19725.81 | 288165 | 498.7680 ng/ml |
| Dihydrocodeine | 2.552 | 1900118 | 2569.10 | 66.0 | 187.68 | 277903 | 431.9614 ng/ml |
| Diphenhydramine | 5.289 | 6091448 | 65071.35 | 32.7 | 17478.65 | 681160 | 516.8491 ng/ml |
| Doxylamine | 4.543 | 16681345 | 28227.85 | 95.6 | 178576.33 | 1400313 | 518.5832 ng/ml |
| EDDP | 5.254 | 4834466 | 1098.34 | 40.7 | 9184.04 | 482008 | 510.7888 ng/ml |
| Etizolam | 5.813 | 3091902 | 3892.34 | 24.8 | 15632.47 | 120418 | 482.5227 ng/ml |
| Fentanyl | 5.116 | 88621 | 231.28 | 66.3 | 85814.43 | 87430 | 48.5449 ng/ml |
| Flualprazolam | 5.705 | 2084658 | 40335.30 | 99.9 | 30763.64 | 328058 | 499.9216 ng/ml |
| Fluoxetine | 5.707 | 263089 | 11749.67 | 8.4 | 62033.84 | 21272 | 505.8654 ng/ml |
| Hydrocodone | 3.018 | 2790846 | 560.61 | 39.7 | 1636.01 | 767432 | 464.6526 ng/ml |
| Hydromorphone | 1.601 | 2559984 | 5696091.11 | 77.8 | 3799397.07 | 8899 | 477.7459 ng/ml |
| Ketamine | 4.059 | 6024689 | 2150.72 | 35.7 | 831.87 | 586880 | 493.8927 ng/ml |
| Lamotrigine | 4.287 | 413841 | 11439.63 | 82.0 | 3941.74 | 586880 | 408.7669 ng/ml |
| Levetiracetam | 2.683 | 2487201 | 22147.19 | 167.4 | 35680.54 | 1251957 | 541.4808 ng/ml |

AK



AM #28 Multi-Drug Quant. Results

| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|----------------------|-------|----------|-----------|-------|-----------|------------|----------------|
| Lorazepam | 5.747 | 1945019 | 22329.73 | 56.5 | 2806.71 | 120418 | 205.8485 ng/ml |
| MDA | 3.196 | 5564736 | 40227.47 | 24.1 | 1635.95 | 341498 | 471.7036 ng/ml |
| MDMA | 3.290 | 5101571 | 111456.91 | 80.2 | 14671.57 | 96106 | 504.6218 ng/ml |
| Meprobamate | 4.917 | 1946279 | 49301.99 | 28.0 | 18975.76 | 270374 | 363.3637 ng/ml |
| Methadone | 5.653 | 3133680 | 34656.21 | 48.0 | 10002.10 | 288740 | 490.3780 ng/ml |
| Methamphetamine | 3.231 | 8441076 | 21692.66 | 36.4 | 2230.25 | 742555 | 473.8041 ng/ml |
| Metoprolol | 4.326 | 1343837 | 5939.06 | 91.9 | 4917.39 | 1357763 | 488.3462 ng/ml |
| Mirtazapine | 4.644 | 4568346 | 31317.12 | 50.2 | 147732.19 | 647776 | 454.4905 ng/ml |
| Mitragynine | 5.243 | 371134 | 19854.14 | 40.0 | 1309.07 | 288740 | 427.7247 ng/ml |
| Morphine | 1.240 | 417395 | 4149.26 | 34.9 | 533.25 | 8899 | 489.6661 ng/ml |
| Norbuprenorphine | 4.992 | 7276 | 20096.29 | 96.5 | 20.86 | 6306 | 51.8648 ng/ml |
| Nordiazepam | 5.900 | 2911875 | 74155.61 | 55.2 | 899.13 | 197794 | 496.9081 ng/ml |
| Norfentanyl | 4.079 | 1189279 | 37002.81 | 34.6 | 14187.88 | 924841 | 51.5920 ng/ml |
| Norhydrocodone | 3.059 | 351372 | 209.27 | 43.6 | 264.88 | 58590 | 523.9336 ng/ml |
| Noroxycodone | 2.909 | 2357529 | 1205.56 | 42.8 | 4223.43 | 172607 | 478.0796 ng/ml |
| O-desmethyl-tramadol | 3.369 | 14872309 | 70112.28 | 6.5 | 18605.98 | 1663035 | 524.4094 ng/ml |
| Oxazepam | 5.756 | 2921000 | 18446.58 | 72.6 | 3148.58 | 245395 | 479.9088 ng/ml |
| Oxycodone | 2.834 | 6585762 | 4684.83 | 26.8 | 7899.49 | 593229 | 494.3451 ng/ml |
| Oxymorphone | 1.398 | 2644890 | ∞ | 43.8 | ∞ | 194761 | 504.3368 ng/ml |
| Phentermine | 3.783 | 2204647 | ∞ | 4.4 | 11798.98 | 627622 | 455.7750 ng/ml |
| Promethazine | 5.538 | 1267499 | 570.69 | 28.3 | 328.06 | 107934 | 501.5494 ng/ml |
| Pseudoephedrine | 2.596 | 14386872 | 182369.76 | 15.5 | 89918.93 | 1251957 | 519.1633 ng/ml |
| Quetiapine | 5.569 | 3252338 | 134251.41 | 58.7 | 39810.68 | 84801 | 507.1993 ng/ml |
| Sertraline | 5.776 | 122333 | 999.49 | 96.9 | 2940.34 | 10827 | 501.1093 ng/ml |
| Temazepam | 5.823 | 7389715 | 77832.75 | 27.7 | 544.26 | 674249 | 511.1509 ng/ml |
| Tramadol | 4.246 | 13472736 | 8415.38 | 3.5 | 1270.23 | 1357763 | 499.2999 ng/ml |
| Trazodone | 5.203 | 2408676 | 31668.57 | 81.1 | 634.69 | 202700 | 501.8659 ng/ml |
| Venlafaxine | 5.037 | 11836372 | 240344.95 | 35.7 | 18706.69 | 1096629 | 525.0896 ng/ml |
| Zolpidem | 4.955 | 14218676 | 1977.77 | 29.5 | 6237.96 | 1326726 | 518.2048 ng/ml |

AM #28 Multi-Drug Quant. Results

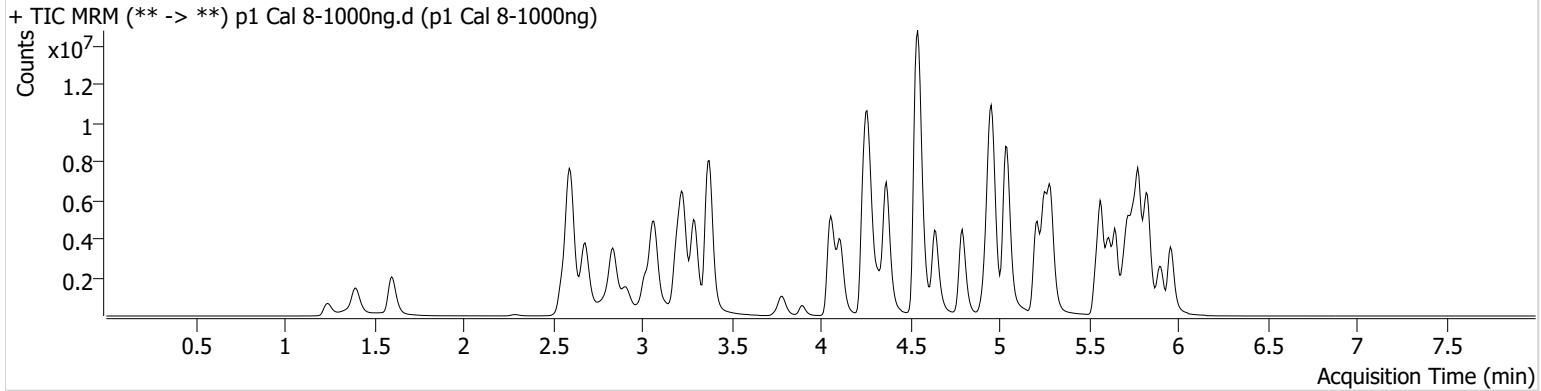
AK



Batch results C:\Users\agerheart\Desktop\061621 AM 27 28 P1 P2 AG\QuantResults\AM 28 P1.batch.bin
Calibration Last Update 6/28/2021 7:43:16 AM

| | | | |
|-------------------------|----------------------|------------------|-------------------|
| Instrument | Falco (069901) | Data File | p1 Cal 8-1000ng.d |
| Type | Cal | Sample | p1 Cal 8-1000ng |
| Acq. Method | AM 28 MDQ P1.m | Operator | Amber Gerheart |
| Sample Position | P2-H1 | Comment | |
| Injection Volume | 2 | | |
| Acq. Date-Time | 6/16/2021 9:40:44 PM | | |

Sample Chromatogram



| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|---------------------|-------|----------|------------|-------|------------|------------|-----------------|
| 6-MAM | 3.131 | 333634 | 3475.86 | 69.8 | 1330.30 | 85093 | 102.4024 ng/ml |
| 7-aminoclonazepam | 4.278 | 2250862 | 6356.32 | 83.7 | 5523.67 | 85380 | 983.0978 ng/ml |
| a-hydroxyalprazolam | 5.692 | 1084004 | 311.11 | 58.8 | 438.44 | 249546 | 525.4287 ng/ml |
| alpha-PHP | 4.937 | 1965711 | 12728.85 | 271.7 | 136559.79 | 500085 | 813.5810 ng/ml |
| alpha-PVP | 4.370 | 11858461 | ∞ | 52.1 | 93481.69 | 500085 | 1021.6506 ng/ml |
| Alprazolam | 5.775 | 7019805 | 979.06 | 111.6 | 1497.71 | 249546 | 996.2920 ng/ml |
| Amphetamine | 3.069 | 10709948 | 77587.01 | 47.7 | 46245.57 | 155948 | 859.5403 ng/ml |
| Benzoylecgonine | 3.892 | 620741 | 31928.40 | 7.8 | 3917.49 | 21763 | 1089.4872 ng/ml |
| Buprenorphine | 5.914 | 69281 | 5908.18 | 14.6 | 22054.33 | 25773 | 100.4625 ng/ml |
| Bupropion | 4.795 | 7571281 | 175184.46 | 60.7 | 49165.61 | 265818 | 1012.4227 ng/ml |
| Carisoprodol | 5.730 | 4258872 | 101845.88 | 56.0 | 23472.60 | 191669 | 1067.2277 ng/ml |
| Citalopram | 5.212 | 3282497 | 15401.48 | 40.6 | 617.86 | 145524 | 1024.0464 ng/ml |
| Clonazepam | 5.612 | 6229285 | 65188.37 | 31.5 | 585317.78 | 83739 | 914.4430 ng/ml |
| Clonazepam | 5.548 | 4547499 | 104995.56 | 37.6 | 910629.44 | 83739 | 972.8161 ng/ml |
| Cocaine | 4.264 | 9379476 | 71648.40 | 50.6 | 87893.03 | 819220 | 1055.8614 ng/ml |
| Codeine | 2.573 | 791003 | 783.11 | 101.4 | 1620.83 | 56424 | 737.1999 ng/ml |
| Cyclobenzaprine | 5.622 | 1040910 | 10456.61 | 9.3 | 6109.15 | 40253 | 1072.1045 ng/ml |
| Dextromethorphan | 5.262 | 1355357 | 878.41 | 80.0 | 72818.68 | 63685 | 1002.3480 ng/ml |
| Dextrophan | 4.111 | 2839884 | 1294.69 | 212.3 | 32072.27 | 328034 | 1017.6978 ng/ml |
| Diazepam | 5.960 | 4703361 | 4039.94 | 88.0 | 27244.83 | 216517 | 995.8805 ng/ml |
| Dihydrocodeine | 2.552 | 2988498 | 3007.13 | 67.2 | 720.27 | 253651 | 744.6432 ng/ml |
| Diphenhydramine | 5.289 | 9460679 | 79924.33 | 32.3 | 23234.77 | 519500 | 1052.1357 ng/ml |
| Doxylamine | 4.546 | 24483698 | 150454.94 | 97.7 | 2537.12 | 1169793 | 911.0120 ng/ml |
| EDDP | 5.254 | 8374377 | 847.76 | 40.1 | 7845.09 | 394221 | 1081.1584 ng/ml |
| Etizolam | 5.820 | 4695632 | 11948.28 | 24.6 | 6127.19 | 83739 | 1051.4088 ng/ml |
| Fentanyl | 5.116 | 162584 | 234.20 | 68.5 | 278114.82 | 75437 | 103.2011 ng/ml |
| Flualprazolam | 5.705 | 2855543 | 4515.98 | 103.0 | 8798.21 | 249546 | 900.3605 ng/ml |
| Fluoxetine | 5.707 | 442490 | 11835.54 | 8.9 | 1341.36 | 18553 | 975.2854 ng/ml |
| Hydrocodone | 3.018 | 4497739 | 838.33 | 39.9 | 360.44 | 647530 | 887.9119 ng/ml |
| Hydromorphone | 1.601 | 4119884 | 1082256.93 | 77.3 | 2003981.90 | 7156 | 956.3275 ng/ml |
| Ketamine | 4.059 | 9886638 | 156369.24 | 35.3 | 4079.34 | 489878 | 971.1628 ng/ml |
| Lamotrigine | 4.287 | 574276 | 2783.65 | 81.7 | 26135.94 | 489878 | 680.1160 ng/ml |
| Levetiracetam | 2.683 | 4164700 | 28036.73 | 168.1 | 7129.18 | 884156 | 1283.0901 ng/ml |

AK



AM #28 Multi-Drug Quant. Results

| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|----------------------|-------|----------|-----------|-------|------------|------------|-----------------|
| Lorazepam | 5.747 | 1977549 | 53401.78 | 56.4 | 8599.24 | 83739 | 301.1337 ng/ml |
| MDA | 3.196 | 7115085 | 1915.77 | 23.5 | 602.70 | 241524 | 853.4118 ng/ml |
| MDMA | 3.296 | 7608030 | 163742.38 | 82.5 | 3843.56 | 72417 | 998.5477 ng/ml |
| Meprobamate | 4.917 | 2512932 | 35221.21 | 28.1 | 9573.86 | 222248 | 571.1448 ng/ml |
| Methadone | 5.653 | 5289158 | 1942.68 | 46.4 | 2593.45 | 226129 | 1056.5282 ng/ml |
| Methamphetamine | 3.231 | 11728021 | 2492.04 | 35.8 | 3918.35 | 561303 | 872.0213 ng/ml |
| Metoprolol | 4.326 | 1929508 | 8105.05 | 92.5 | 8293.83 | 1063859 | 895.0731 ng/ml |
| Mirtazapine | 4.637 | 7660172 | 236825.36 | 49.4 | 46387.06 | 500085 | 987.1958 ng/ml |
| Mitragynine | 5.243 | 569876 | 1869.71 | 39.4 | 89934.51 | 226129 | 838.4925 ng/ml |
| Morphine | 1.240 | 678562 | 6189.14 | 34.5 | 308.25 | 7156 | 989.8658 ng/ml |
| Norbuprenorphine | 4.992 | 9882 | 236.22 | 101.0 | 409.85 | 4418 | 100.3985 ng/ml |
| Nordiazepam | 5.906 | 3919704 | 180691.75 | 56.4 | ∞ | 137335 | 963.4553 ng/ml |
| Norfentanyl | 4.079 | 1863786 | 51745.78 | 34.3 | 12431.80 | 656287 | 113.8662 ng/ml |
| Norhydrocodone | 3.059 | 581779 | 159.42 | 42.1 | 132.96 | 45484 | 1116.8961 ng/ml |
| Noroxycodone | 2.909 | 3248159 | 1286.59 | 43.6 | 9545.62 | 115697 | 982.7335 ng/ml |
| O-desmethyl-tramadol | 3.376 | 22258002 | 121967.69 | 7.1 | 1637.31 | 1329316 | 981.5992 ng/ml |
| Oxazepam | 5.756 | 2856480 | 13838.27 | 72.6 | 3206.96 | 122099 | 943.3211 ng/ml |
| Oxycodone | 2.834 | 11268075 | 1207.76 | 26.4 | 784.52 | 518680 | 967.5346 ng/ml |
| Oxymorphone | 1.398 | 4331848 | ∞ | 42.8 | 352.43 | 165749 | 970.8249 ng/ml |
| Phentermine | 3.783 | 3046013 | 3017.75 | 4.4 | 2448.63 | 478518 | 826.6240 ng/ml |
| Promethazine | 5.538 | 2427015 | 3605.94 | 28.3 | 2164.26 | 104318 | 993.6870 ng/ml |
| Pseudoephedrine | 2.603 | 21144848 | 130335.37 | 15.7 | 45393.94 | 884156 | 1079.8515 ng/ml |
| Quetiapine | 5.569 | 6030811 | 444.78 | 57.9 | 9627631.45 | 75195 | 1060.5118 ng/ml |
| Sertraline | 5.776 | 215808 | 10260.49 | 94.4 | 367.94 | 9415 | 1014.3007 ng/ml |
| Temazepam | 5.830 | 8660581 | 107104.83 | 27.5 | 5207.12 | 378449 | 1066.7808 ng/ml |
| Tramadol | 4.246 | 19402530 | 4262.88 | 3.7 | 537.86 | 1063859 | 917.7557 ng/ml |
| Trazodone | 5.203 | 4963851 | 1572.98 | 82.2 | 174356.80 | 208564 | 1005.1914 ng/ml |
| Venlafaxine | 5.043 | 17838887 | 1834.73 | 37.7 | ∞ | 828661 | 1046.8235 ng/ml |
| Zolpidem | 4.955 | 21922258 | 10222.49 | 31.8 | 2030.39 | 1136514 | 932.6307 ng/ml |