

Worklist: 5373

| <u>LAB CASE</u> | <u>ITEM</u> | <u>ITEM TYPE</u> | <u>DESCRIPTION</u> | |
|-----------------|-------------|------------------|--|---|
| M2021-4396 | 3 | UCK | AM 28 Urine Multi-Drug Confirmation Panel 2 by LC-QQ |  |
| P2021-3526 | 1 | UCK | AM 28 Urine Multi-Drug Confirmation Panel 2 by LC-QQ |  |
| P2021-3615 | 1 | UCK | AM 28 Urine Multi-Drug Confirmation Panel 2 by LC-QQ |  |

Worklist: 5379

| <u>LAB CASE</u> | <u>ITEM</u> | <u>ITEM TYPE</u> | <u>DESCRIPTION</u> | |
|-----------------|-------------|------------------|--|---|
| P2021-3147 | 1 | BCK | AM 28 Blood Multi-Drug Quant Panel 2 by LC-QQQ |  |
| P2021-3396 | 1 | BCK | AM 28 Blood Multi-Drug Quant Panel 2 by LC-QQQ |  |
| P2021-3530 | 1 | BCK | AM 28 Blood Multi-Drug Quant Panel 2 by LC-QQQ |  |

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

Extraction Date: 11/08/2021

Analyst: Celena Shrum

Plate lot#: 210609

Plate Retest Date: 12/09/2021

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

Mobile phase B: 0.01% Formic Acid in MeOH

Blank Blood Lot: Lampire 20L20725

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. Pipette **250 μ L blood (calibrated pipette) or 250 μ L 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 **250 μ L 0.5 M ammonium hydroxide** in wells of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 6. Transfer **300 μ L 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 **900 μ L ethyl acetate**.
- 10. Wait 5 minutes.
- 11. Apply positive pressure for approx. 15 seconds. **(10-15 PSI- Selector to the left)**.
- 12. Add **900 μ L 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. **Urine samples add 50 ul 1% HCl in MeOH.** Place on SPE Dry and evaporate to dryness at approx. 35°C.
- 16. Reconstitute in **100 μ L 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 QC's 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.

Acetyl-fentanyl, acetyl-norfentanyl, amitriptyline, carbamazepine, chlorpheniramine, doxepin, flurazepam, levamisole (5-500), methocarbamol, and phenacyclidine are the only compounds that were analyzed in this batch.

The samples were inadvertently injected with the wrong acquisition method, when this was noticed, the samples were reinjected with the correct acquisition method.

Celena Shrum and Tamara Salazar both had samples in this batch. Celena Shrum acted as the primary analyst and performed steps 3-16.

I, Tamara Salazar, approved of all steps utilized in this method.

TS

TS

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|-------------|
| A | IS + Cal. 1 | IS + QC_1 | IS + Sample | IS + Cal. 1 | IS + QC_1 | IS + Sample | IS + Sample | IS + Sample | IS + Cal. 8 | | M2021-4396-3 | IS + Cal. 8 |
| B | IS + Cal. 2 | IS + QC_2 | IS + Sample | IS + Cal. 2 | IS + QC_2 | IS + Sample | IS + Sample | IS + Sample | IS + Cal. 7 | | Urine Ext | IS + Cal. 7 |
| C | IS + Cal. 3 | IS + QC_3 | IS + Sample | IS + Cal. 3 | IS + QC_3 | IS + Sample | IS + Sample | IS + Sample | IS + Cal. 6 | | Urine NC | IS + Cal. 6 |
| D | IS + Cal. 4 | IS + QC_4 | IS + Sample | IS + Cal. 4 | IS + QC_4 | IS + Sample | IS + Sample | IS + Sample | IS + Cal. 5 | P2021-3530-1 | Blood NC | IS + Cal. 5 |
| E | IS + Cal. 5 | IS + Sample | IS + Sample | IS + Cal. 5 | IS + Sample | IS + Sample | IS + Sample | IS + QC_4 | IS + Cal. 4 | P2021-3396-1 | IS + QC_4 | IS + Cal. 4 |
| F | IS + Cal. 6 | IS + Sample | IS + Sample | IS + Cal. 6 | IS + Sample | IS + Sample | IS + Sample | IS + QC_3 | IS + Cal. 3 | P2021-3147-1 | IS + QC_3 | IS + Cal. 3 |
| G | IS + Cal. 7 | IS + Sample | IS + Sample | IS + Cal. 7 | IS + Sample | IS + Sample | IS + Sample | IS + QC_2 | IS + Cal. 2 | P2021-3615-1 | IS + QC_2 | IS + Cal. 2 |
| H | IS + Cal. 8 | IS + Sample | IS + Sample | IS + Cal. 8 | IS + Sample | IS + Sample | IS + Sample | IS + QC_1 | IS + Cal. 1 | P2021-3526-1 | IS + QC_1 | IS + Cal. 1 |

Samples were all moved six columns over to the left (i.e. samples in column 10 were all moved to column 4, column 11 to column 5, and column 12 to column 6) during the SLE portion of the extraction



Idaho State Police Forensic Services

AM #28 Blood/Urine Multi-Drug Confirmatory Analysis by LCMS-QQQ---Panel 2

Methanol External Control Solution (Lot: 121720)
100 ul each 1 mg/mL stock solution in 9800 ul MeOH

| <i>Component</i> | <i>Source</i> | <i>Source Lot Number</i> | <i>Expiration Date</i> |
|------------------|---------------|--------------------------|------------------------|
| Methanol (LCMS) | Fisher | 197468 | |
| Amitriptyline | Cerilliant | FN02202004 | 03/31/2025 |
| Flurazepam | Cerilliant | FE08231902 | 11/30/2024 |
| Prepared: | 12/17/2020 | | |
| Prepared By: | Celena Shrum | | |
| Expires: | 12/17/2021 | | |

Urine External Control Solution (Lot: WS110821)
100 ul of methanol external control solution was added to 9900ul of urine.
Approximately 100ng/mL of each compound.

| <i>Component</i> | <i>Source</i> | <i>Source Lot Number</i> |
|------------------------------------|---------------|--------------------------|
| Negative Urine | | POC031319 |
| Methanol External Control Solution | - | 121720 |
| Prepared: | 11/08/2021 | |
| Prepared by: | Celena Shrum | |

TS



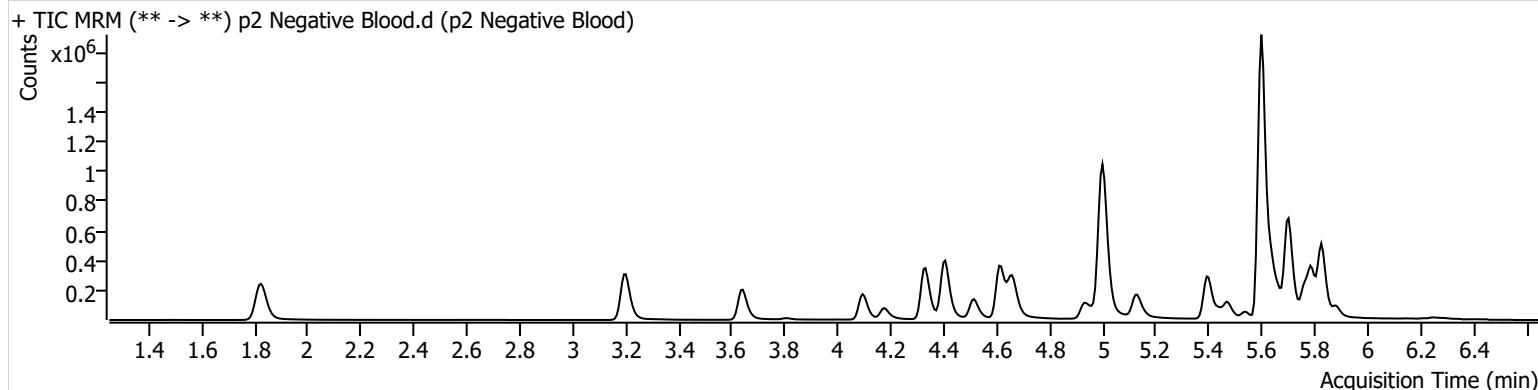
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28 P2 Casework CS TS.batch.bin
Calibration Last Update 11/15/2021 1:44:17 PM

| | | | |
|-------------------------|------------------------|------------------|---------------------|
| Instrument | Falco (069901) | Data File | p2 Negative Blood.d |
| Type | Sample | Sample | p2 Negative Blood |
| Acq. Method | AM 28 MDQ P2 102521.m | Operator | Celena Shrum |
| Sample Position | P2-D5 | Comment | |
| Injection Volume | 5 | | |
| Acq. Date-Time | 11/10/2021 10:52:14 AM | | |

Sample Info.

Sample Chromatogram



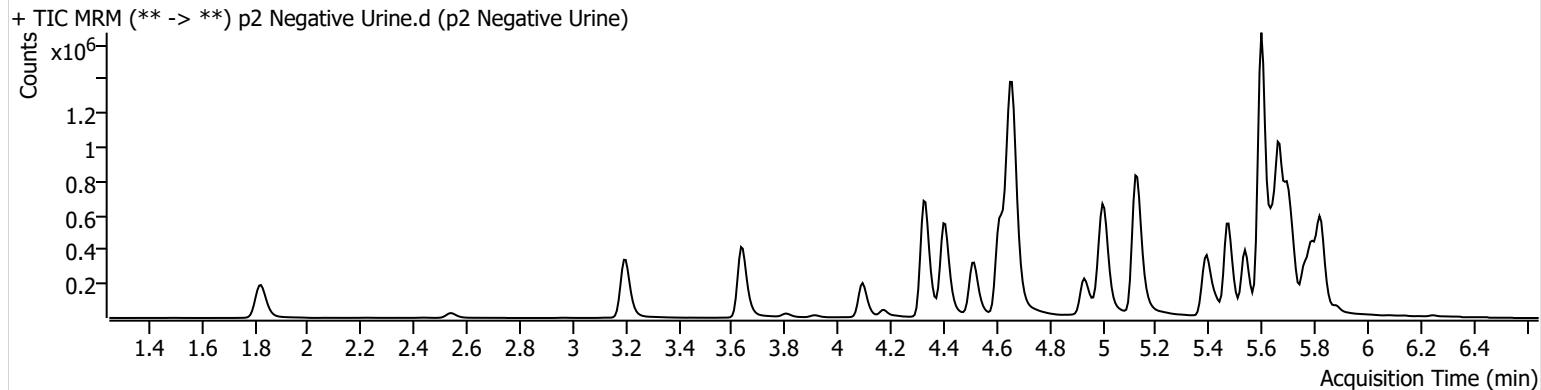


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28 P2 Casework CS TS.batch.bin
Calibration Last Update 11/15/2021 1:44:17 PM

| | | | |
|------------------|------------------------|-----------|---------------------|
| Instrument | Falco (069901) | Data File | p2 Negative Urine.d |
| Type | Sample | Sample | p2 Negative Urine |
| Acq. Method | AM 28 MDQ P2 102521.m | Operator | Celena Shrum |
| Sample Position | P2-C5 | Comment | |
| Injection Volume | 5 | | |
| Acq. Date-Time | 11/10/2021 11:13:42 AM | | |
| Sample Info. | | | |

Sample Chromatogram



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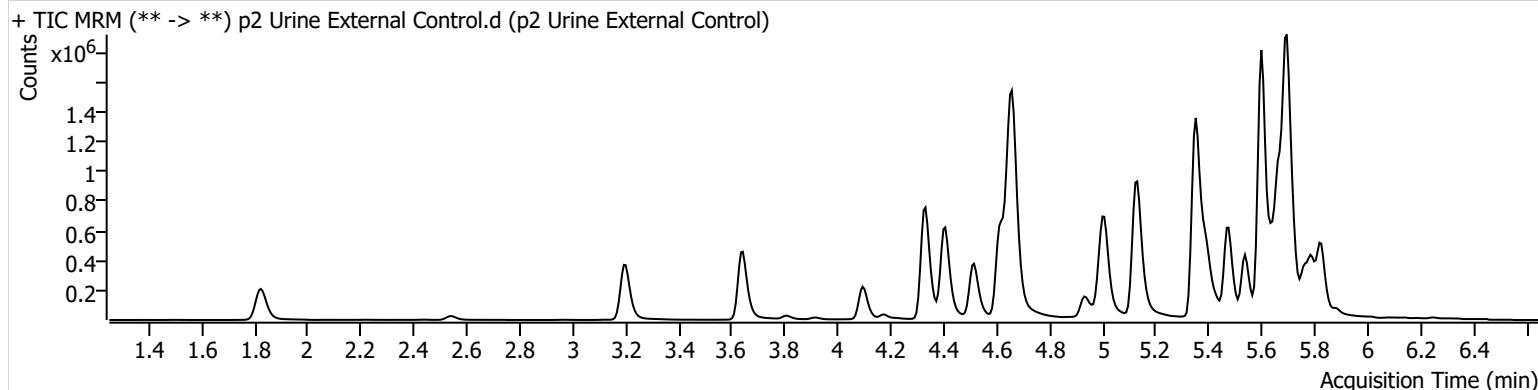


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28 P2 Casework CS TS.batch.bin
Calibration Last Update 11/15/2021 1:44:17 PM

| | | | |
|-------------------------|------------------------|------------------|-----------------------------|
| Instrument | Falco (069901) | Data File | p2 Urine External Control.d |
| Type | Sample | Sample | p2 Urine External Control |
| Acq. Method | AM 28 MDQ P2 102521.m | Operator | Celena Shrum |
| Sample Position | P2-B5 | Comment | |
| Injection Volume | 5 | | |
| Acq. Date-Time | 11/10/2021 11:35:08 AM | | |
| Sample Info. | | | |

Sample Chromatogram



| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|---------------|-------|---------|----------|-------|---------|------------|----------------|
| Amitriptyline | 5.698 | 687825 | 2840.55 | 94.6 | 3376.55 | 254448 | 106.5050 ng/ml |
| Flurazepam | 5.351 | 2979724 | 14665.40 | 12.8 | 2944.94 | 524482 | 47.0690 ng/ml |



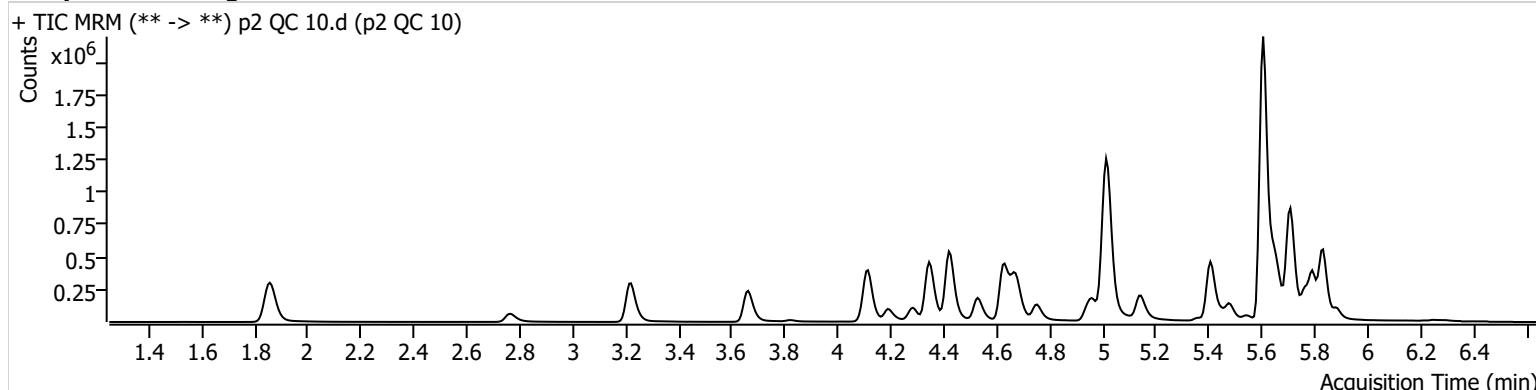
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28 P2 Casework CS TS.batch.bin
Calibration Last Update 11/15/2021 1:44:17 PM

| | | | |
|-------------------------|-----------------------|------------------|--------------|
| Instrument | Falco (069901) | Data File | p2 QC 10.d |
| Type | QC | Sample | p2 QC 10 |
| Acq. Method | AM 28 MDQ P2 102521.m | Operator | Celena Shrum |
| Sample Position | P2-H5 | Comment | |
| Injection Volume | 5 | | |
| Acq. Date-Time | 11/10/2021 9:26:26 AM | | |

Sample Info.

Sample Chromatogram



| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|--------------------|-------|--------|---------|-------|---------|------------|---------------|
| Acetyl-fentanyl | 4.672 | 2966 | 141.99 | 99.4 | 219.86 | 174309 | 10.8967 ng/ml |
| Acetyl-norfentanyl | 3.247 | 19650 | 1585.48 | 36.7 | 680.99 | 790929 | 9.6591 ng/ml |
| Amitriptyline | 5.698 | 7200 | 265.85 | 120.7 | 19.81 | 28104 | 9.6633 ng/ml |
| Carbamazepine | 5.611 | 723453 | 2667.68 | 4.8 | 262.03 | 4091913 | 9.7645 ng/ml |
| Chlorpheniramine | 5.148 | 133918 | 852.63 | 0.2 | 8.51 | 352987 | 10.1708 ng/ml |
| Doxepin | 5.396 | 11796 | 18.55 | 34.3 | 11.86 | 42521 | 8.1394 ng/ml |
| Flurazepam | 5.358 | 49696 | 244.16 | 9.8 | 181.63 | 42521 | 9.6515 ng/ml |
| Levamisole | 2.769 | 115284 | 1361.17 | 81.7 | 1391.51 | 247459 | 10.5387 ng/ml |
| Methocarbamol | 4.437 | 53133 | 630.99 | 91.3 | 68.67 | 456840 | 11.3412 ng/ml |
| Phencyclidine | 4.962 | 85691 | 669.43 | 43.1 | 399.15 | 247459 | 9.7841 ng/ml |

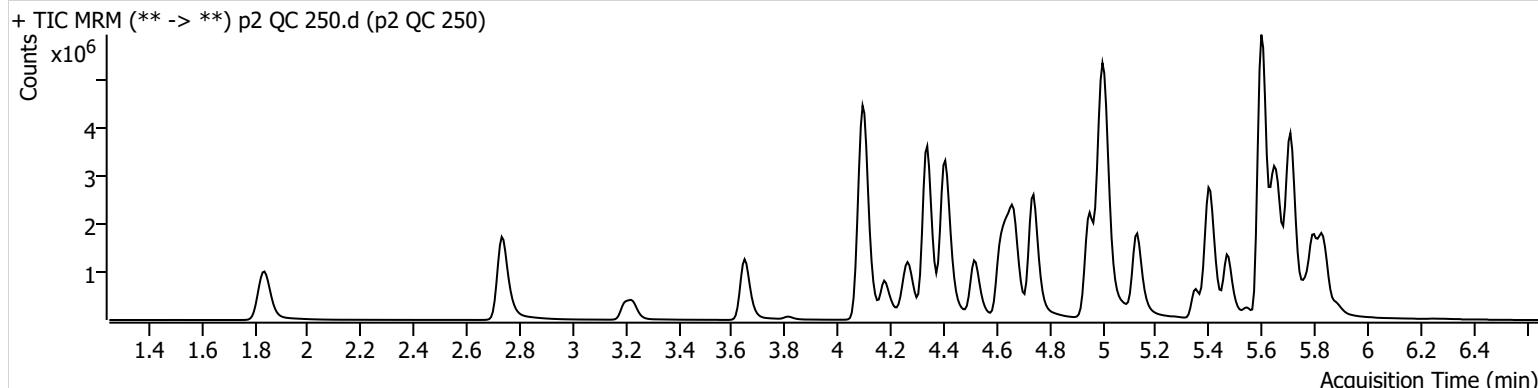


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28 P2 Casework CS TS.batch.bin
Calibration Last Update 11/15/2021 1:44:17 PM

| | | | |
|-------------------------|-----------------------|------------------|--------------|
| Instrument | Falco (069901) | Data File | p2 QC 250.d |
| Type | QC | Sample | p2 QC 250 |
| Acq. Method | AM 28 MDQ P2 102521.m | Operator | Celena Shrum |
| Sample Position | P2-F5 | Comment | |
| Injection Volume | 5 | | |
| Acq. Date-Time | 11/10/2021 9:47:52 AM | | |
| Sample Info. | | | |

Sample Chromatogram



| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|--------------------|-------|----------|-----------|-------|-----------|------------|----------------|
| Acetyl-fentanyl | 4.658 | 75942 | 3035.00 | 94.1 | 875.99 | 184958 | 252.9656 ng/ml |
| Acetyl-norfentanyl | 3.227 | 558228 | 1604.69 | 35.8 | 53635.41 | 906774 | 261.9448 ng/ml |
| Amitriptyline | 5.698 | 243503 | 8720.58 | 113.0 | 1987.51 | 38705 | 248.5020 ng/ml |
| Carbamazepine | 5.604 | 11608461 | 16479.15 | 5.9 | 2651.42 | 2301276 | 259.4241 ng/ml |
| Chlorpheniramine | 5.134 | 3918179 | 77533.49 | 0.2 | 570.67 | 426477 | 256.4625 ng/ml |
| Doxepin | 5.389 | 377617 | 17474.72 | 38.9 | 231.98 | 50664 | 265.4357 ng/ml |
| Flurazepam | 5.351 | 1332822 | 868484.21 | 11.7 | 1185.96 | 50664 | 218.0982 ng/ml |
| Levamisole | 2.734 | 3106593 | 135294.42 | 81.9 | 364982.90 | 266702 | 274.6231 ng/ml |
| Methocarbamol | 4.423 | 606133 | 1138.25 | 90.7 | 666.65 | 269159 | 246.3934 ng/ml |
| Phencyclidine | 4.948 | 2288945 | 2084.57 | 47.4 | 3124.74 | 266702 | 258.7444 ng/ml |

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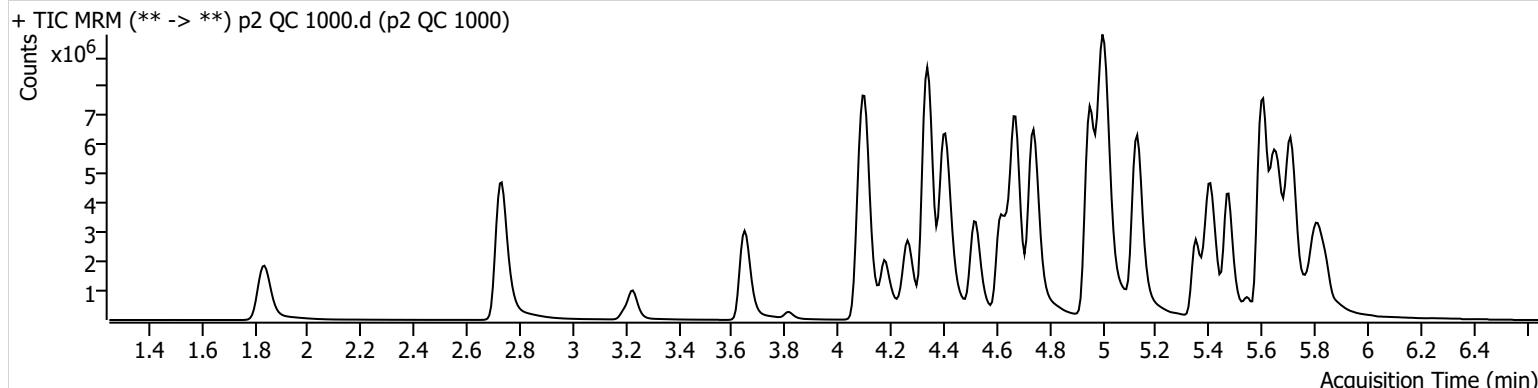
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28 P2 Casework CS TS.batch.bin
Calibration Last Update 11/15/2021 1:44:17 PM

| | | | |
|-------------------------|------------------------|------------------|--------------|
| Instrument | Falco (069901) | Data File | p2 QC 1000.d |
| Type | QC | Sample | p2 QC 1000 |
| Acq. Method | AM 28 MDQ P2 102521.m | Operator | Celena Shrum |
| Sample Position | P2-E5 | Comment | |
| Injection Volume | 5 | | |
| Acq. Date-Time | 11/10/2021 10:09:20 AM | | |

Sample Info.

Sample Chromatogram



| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|--------------------|-------|----------|------------|-------|-----------|------------|------------------|
| Acetyl-fentanyl | 4.665 | 266053 | 1413.09 | 93.6 | 2219.09 | 166603 | 982.6236 ng/ml |
| Acetyl-norfentanyl | 3.227 | 1851164 | 325552.86 | 35.4 | 15105.02 | 808471 | 976.8505 ng/ml |
| Amitriptyline | 5.691 | 721926 | 1594.83 | 103.9 | 12032.31 | 28902 | 988.0682 ng/ml |
| Carbamazepine | 5.610 | 18687314 | 3321.77 | 6.6 | 15350.29 | 950976 | 1008.5896 ng/ml |
| Chlorpheniramine | 5.134 | 17242978 | 200188.24 | 0.2 | 25896.44 | 506225 | 952.0172 ng/ml |
| Doxepin | 5.389 | 1339864 | 26961.65 | 41.7 | 1259.16 | 47643 | 1006.5352 ng/ml |
| Flurazepam | 5.351 | 5921365 | 172553.42 | 12.8 | 175197.73 | 47643 | 1030.5197 ng/ml |
| Levamisole | 2.734 | 9408023 | 145113.47 | 81.6 | 357626.33 | 280491 | 791.6562 ng/ml * |
| Methocarbamol | 4.430 | 801811 | 48004.21 | 92.3 | 6056.57 | 100928 | 872.9125 ng/ml |
| Phencyclidine | 4.948 | 8087207 | 3323597.59 | 54.2 | 64581.43 | 280491 | 870.8566 ng/ml |

*Outside curve range.

TS



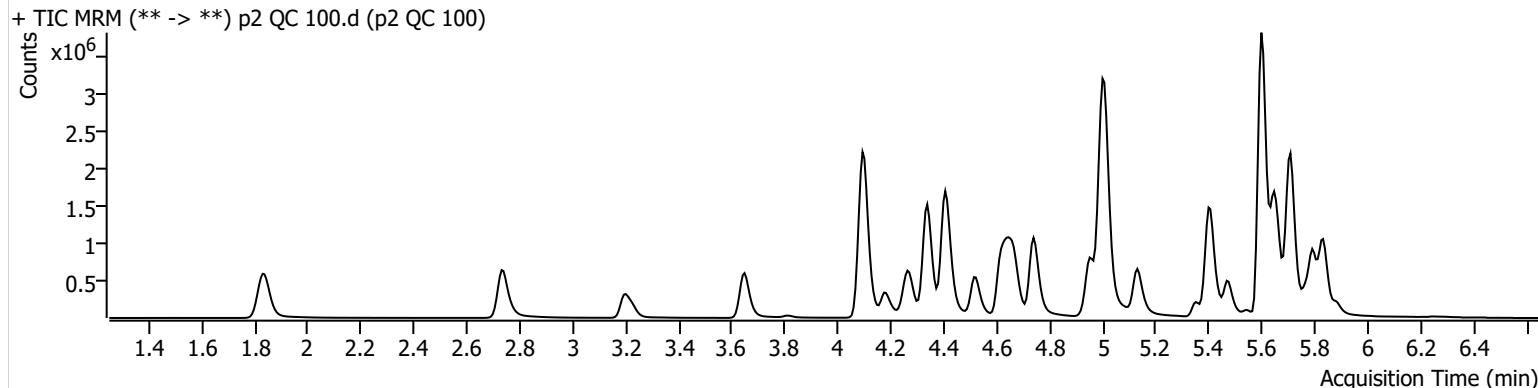
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28 P2 Casework CS TS.batch.bin
Calibration Last Update 11/15/2021 1:44:17 PM

| | | | |
|-------------------------|-----------------------|------------------|--------------|
| Instrument | Falco (069901) | Data File | p2 QC 100.d |
| Type | QC | Sample | p2 QC 100 |
| Acq. Method | AM 28 MDQ P2 102521.m | Operator | Celena Shrum |
| Sample Position | P2-G5 | Comment | |
| Injection Volume | 5 | | |
| Acq. Date-Time | 11/10/2021 4:40:32 PM | | |

Sample Info.

Sample Chromatogram



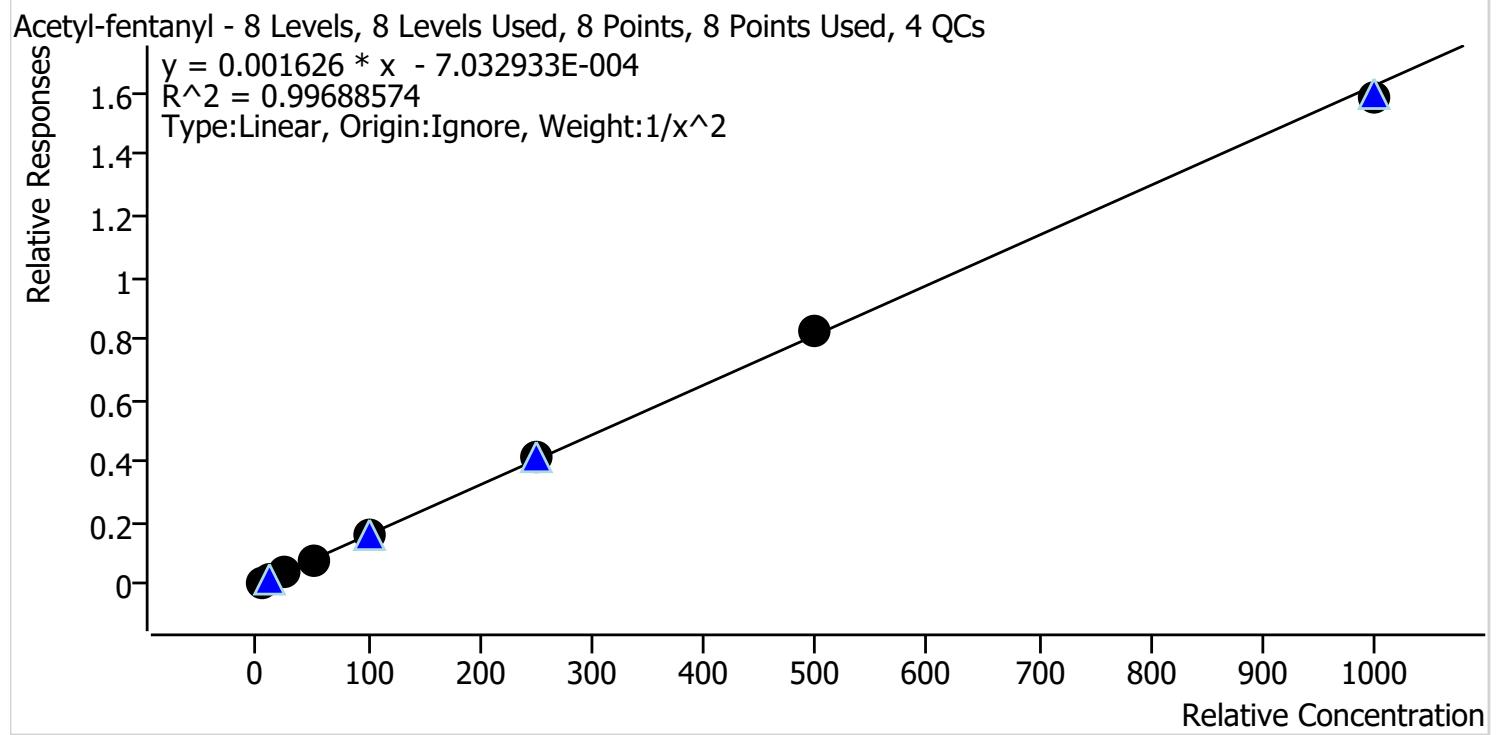
| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|--------------------|-------|---------|-----------|-------|----------|------------|----------------|
| Acetyl-fentanyl | 4.665 | 23889 | 1056.87 | 91.9 | 24512.11 | 150553 | 98.0241 ng/ml |
| Acetyl-norfentanyl | 3.227 | 196975 | 1319.36 | 36.0 | 1291.43 | 815416 | 102.2074 ng/ml |
| Amitriptyline | 5.699 | 54491 | 418.39 | 117.5 | 385.05 | 23037 | 93.1367 ng/ml |
| Carbamazepine | 5.605 | 5591571 | 5122.77 | 5.4 | 1418.26 | 2977585 | 97.0142 ng/ml |
| Chlorpheniramine | 5.135 | 1218457 | 25434.77 | 0.2 | 15.76 | 327085 | 103.7282 ng/ml |
| Doxepin | 5.390 | 101337 | 261.85 | 36.0 | 118.23 | 33623 | 106.2559 ng/ml |
| Flurazepam | 5.351 | 425142 | 4337.31 | 10.9 | 39958.71 | 33623 | 104.8051 ng/ml |
| Levamisole | 2.734 | 1151123 | 204150.64 | 80.7 | 57604.66 | 224829 | 120.4520 ng/ml |
| Methocarbamol | 4.424 | 345138 | 11992.57 | 93.3 | 10117.55 | 330144 | 113.6001 ng/ml |
| Phencyclidine | 4.956 | 800394 | 30584.44 | 43.8 | 5467.03 | 224829 | 106.9285 ng/ml |

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28 P2 Casework CS TS.batch.bin
Last Cal. Update 11/15/2021 1:44 PM
Analyst Name ISP\datastor
Analyte Acetyl-fentanyl **Internal Standard** Acetyl-fentanyl-d5



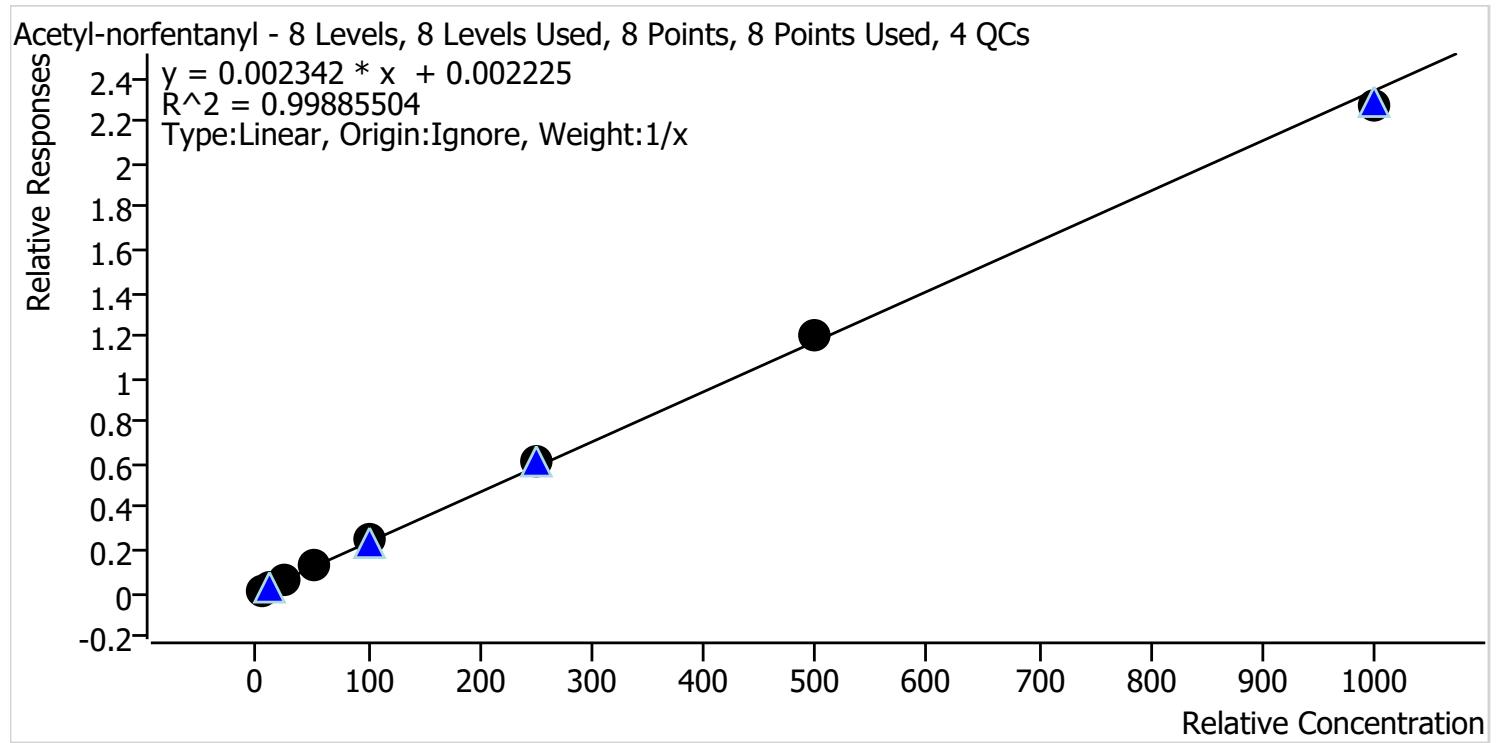
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p2 Cal 1-5ng | 1 | ✓ | 5.0 | 4.8 | 96.3 |
| p2 Cal 2-10ng | 2 | ✓ | 10.0 | 11.0 | 109.9 |
| p2 Cal 3 -25ng | 3 | ✓ | 25.0 | 23.8 | 95.3 |
| p2 Cal 4-50ng | 4 | ✓ | 50.0 | 48.4 | 96.7 |
| p2 Cal 5-100ng | 5 | ✓ | 100.0 | 98.8 | 98.8 |
| p2 Cal 6-250ng | 6 | ✓ | 250.0 | 258.5 | 103.4 |
| p2 Cal 7-500ng | 7 | ✓ | 500.0 | 508.4 | 101.7 |
| p2 Cal 8-1000ng | 8 | ✓ | 1000.0 | 979.4 | 97.9 |



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28 P2 Casework CS TS.batch.bin
Last Cal. Update 11/15/2021 1:44 PM
Analyst Name ISP\datastor
Analyte Acetyl-norfentanyl

Internal Standard Acetyl-norfentanyl-d5



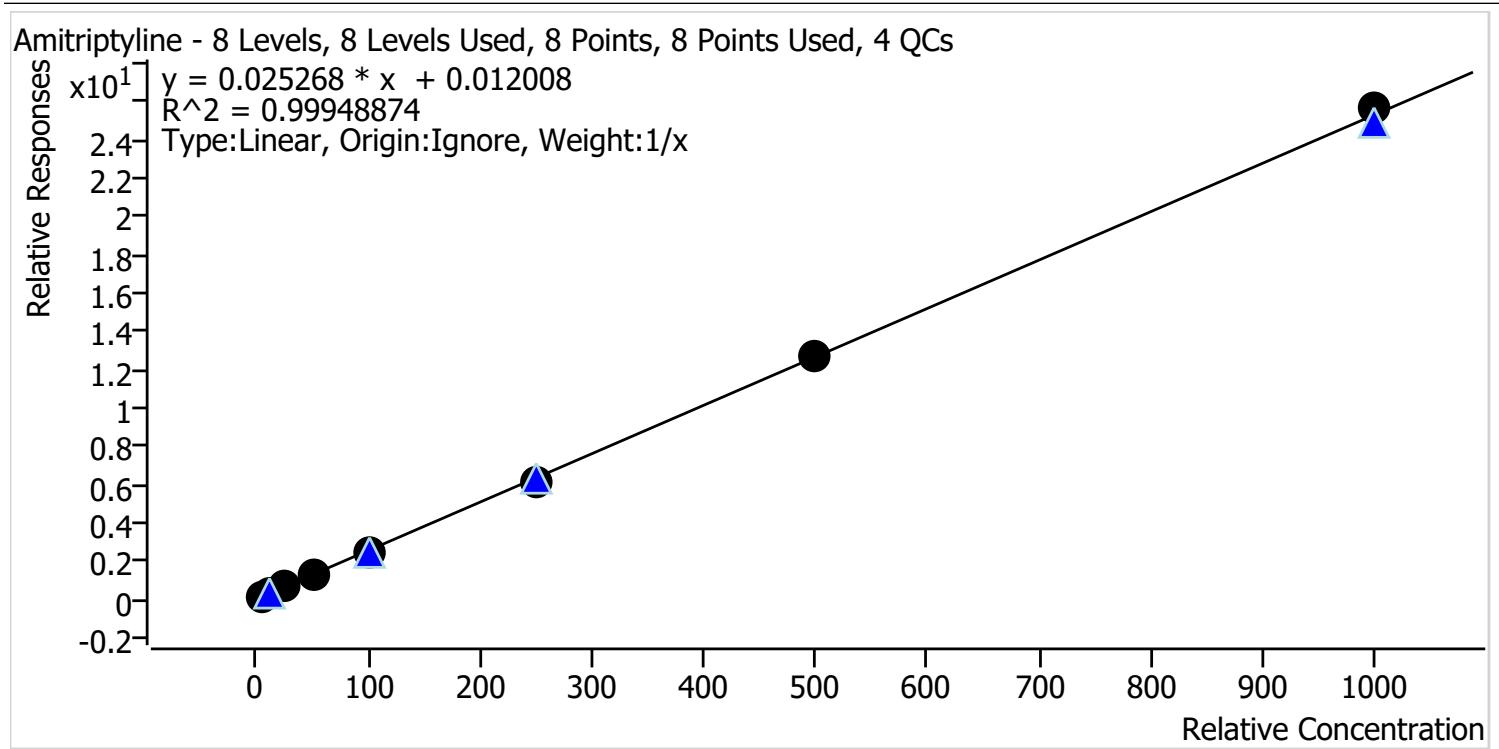
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p2 Cal 1-5ng | 1 | ✓ | 5.0 | 4.3 | 86.4 |
| p2 Cal 2-10ng | 2 | ✓ | 10.0 | 10.0 | 100.3 |
| p2 Cal 3 -25ng | 3 | ✓ | 25.0 | 25.2 | 100.8 |
| p2 Cal 4-50ng | 4 | ✓ | 50.0 | 51.3 | 102.6 |
| p2 Cal 5-100ng | 5 | ✓ | 100.0 | 106.5 | 106.5 |
| p2 Cal 6-250ng | 6 | ✓ | 250.0 | 259.9 | 103.9 |
| p2 Cal 7-500ng | 7 | ✓ | 500.0 | 511.5 | 102.3 |
| p2 Cal 8-1000ng | 8 | ✓ | 1000.0 | 971.3 | 97.1 |

TS CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28 P2 Casework CS TS.batch.bin
Last Cal. Update 11/15/2021 1:44 PM
Analyst Name ISP\datastor
Analyte Amitriptyline **Internal Standard** Amitriptyline-D3

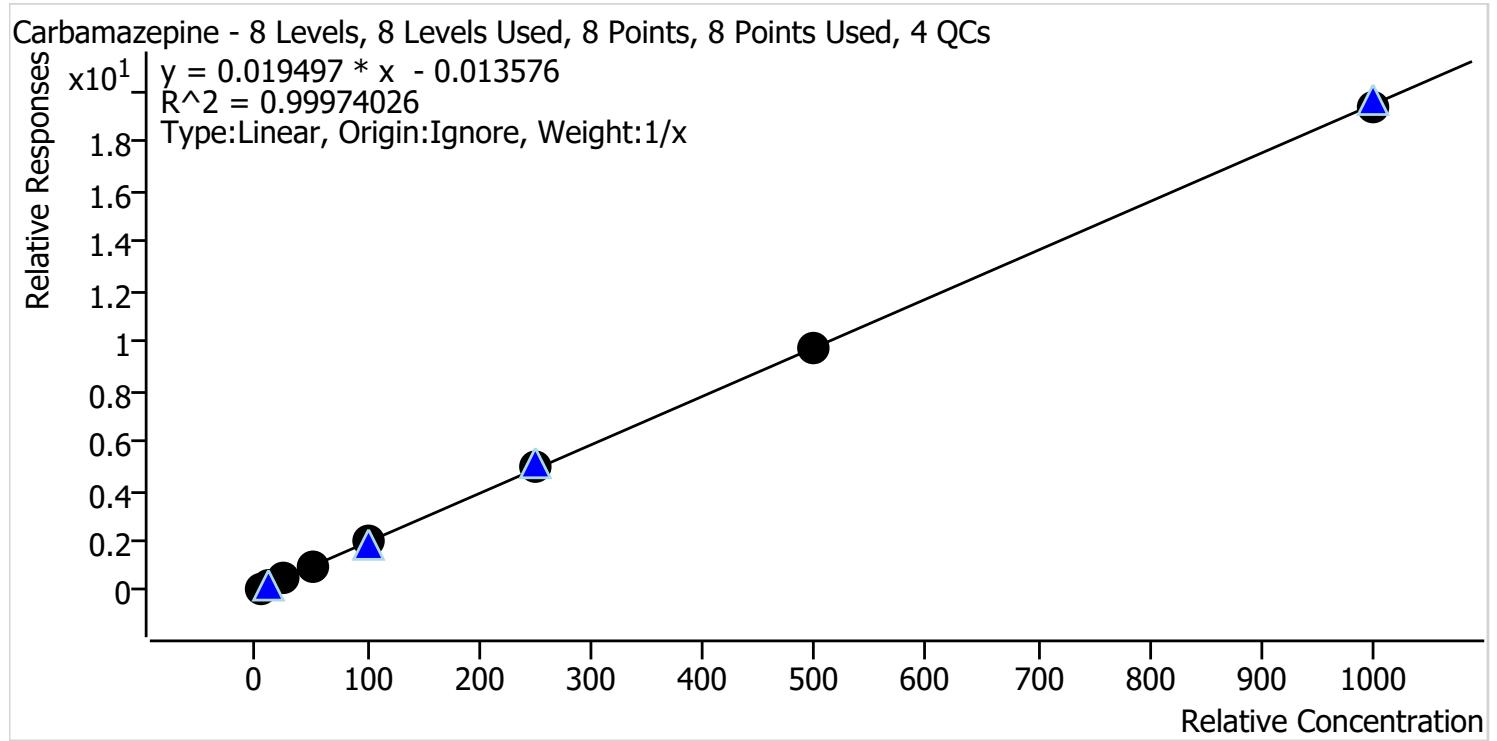


| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p2 Cal 1-5ng | 1 | ✓ | 5.0 | 5.3 | 106.5 |
| p2 Cal 2-10ng | 2 | ✓ | 10.0 | 10.1 | 101.3 |
| p2 Cal 3 -25ng | 3 | ✓ | 25.0 | 25.6 | 102.3 |
| p2 Cal 4-50ng | 4 | ✓ | 50.0 | 47.6 | 95.2 |
| p2 Cal 5-100ng | 5 | ✓ | 100.0 | 97.5 | 97.5 |
| p2 Cal 6-250ng | 6 | ✓ | 250.0 | 238.8 | 95.5 |
| p2 Cal 7-500ng | 7 | ✓ | 500.0 | 501.2 | 100.2 |
| p2 Cal 8-1000ng | 8 | ✓ | 1000.0 | 1013.8 | 101.4 |



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28 P2 Casework CS TS.batch.bin
Last Cal. Update 11/15/2021 1:44 PM
Analyst Name ISP\datastor
Analyte Carbamazepine **Internal Standard** Carbamazepine-13C6



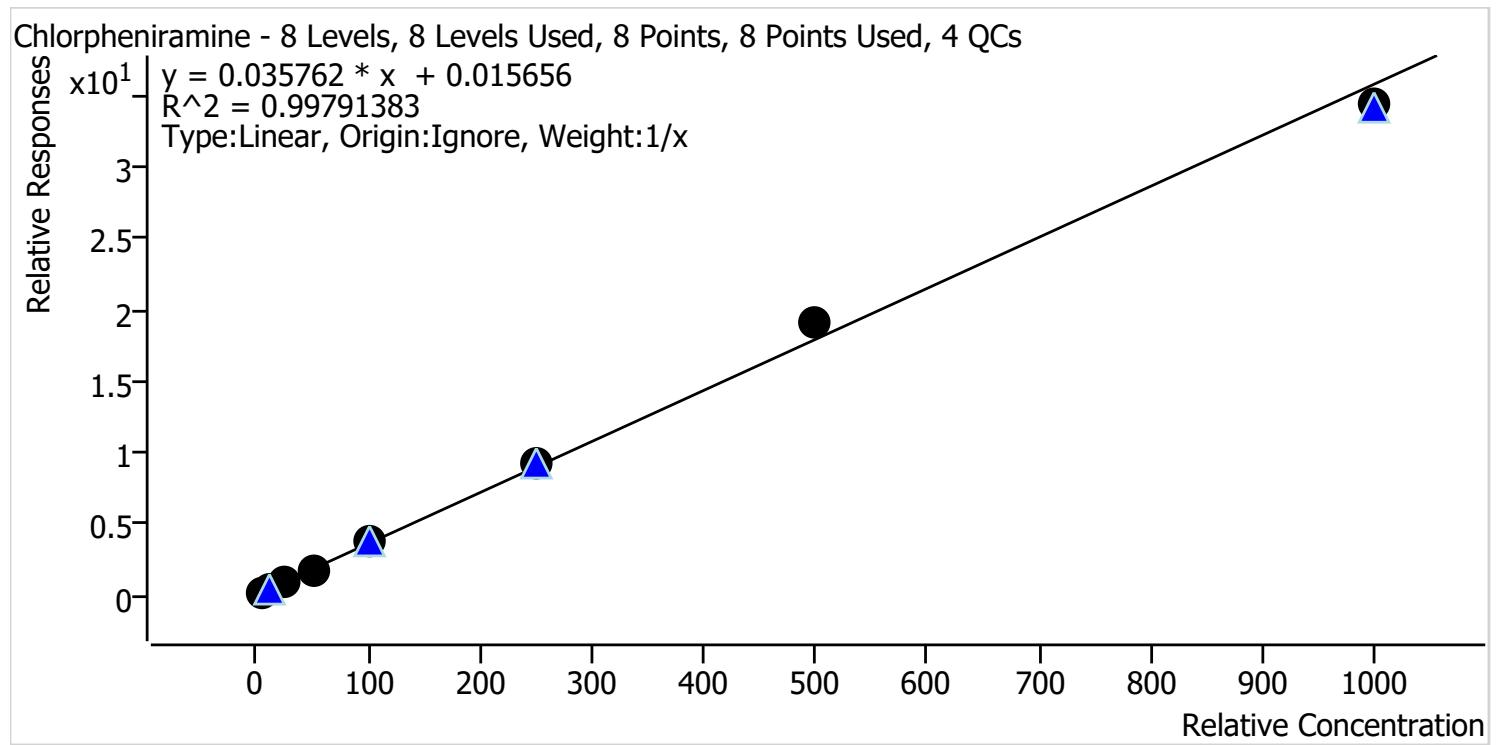
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p2 Cal 1-5ng | 1 | ✓ | 5.0 | 5.2 | 103.9 |
| p2 Cal 2-10ng | 2 | ✓ | 10.0 | 10.0 | 100.4 |
| p2 Cal 3 -25ng | 3 | ✓ | 25.0 | 23.9 | 95.7 |
| p2 Cal 4-50ng | 4 | ✓ | 50.0 | 48.4 | 96.8 |
| p2 Cal 5-100ng | 5 | ✓ | 100.0 | 100.3 | 100.3 |
| p2 Cal 6-250ng | 6 | ✓ | 250.0 | 258.5 | 103.4 |
| p2 Cal 7-500ng | 7 | ✓ | 500.0 | 501.3 | 100.3 |
| p2 Cal 8-1000ng | 8 | ✓ | 1000.0 | 992.3 | 99.2 |

TS CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28 P2 Casework CS TS.batch.bin
Last Cal. Update 11/15/2021 1:44 PM
Analyst Name ISP\datastor
Analyte Chlorpheniramine **Internal Standard** Chlorpheniramine-D6



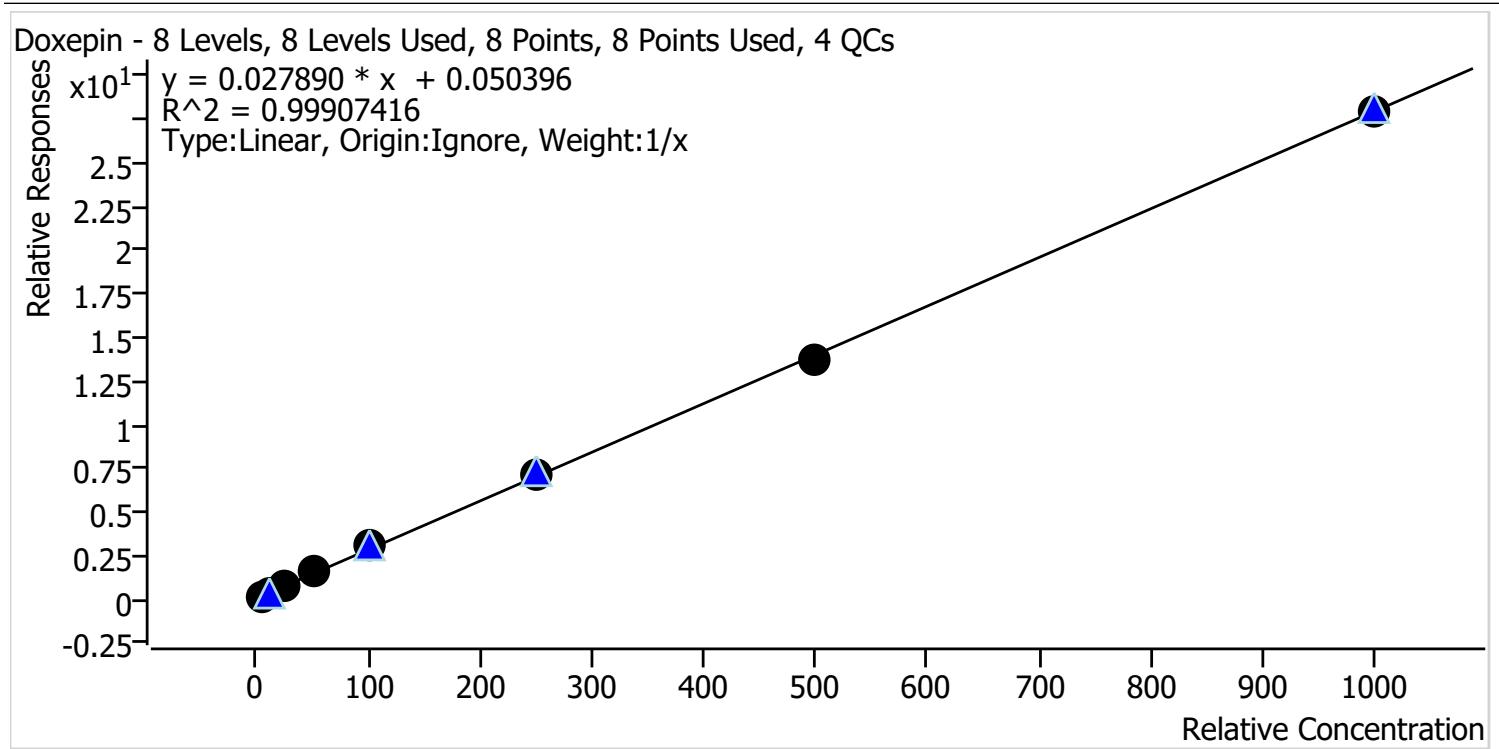
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p2 Cal 1-5ng | 1 | ✓ | 5.0 | 4.6 | 91.2 |
| p2 Cal 2-10ng | 2 | ✓ | 10.0 | 10.3 | 103.0 |
| p2 Cal 3 -25ng | 3 | ✓ | 25.0 | 24.7 | 98.9 |
| p2 Cal 4-50ng | 4 | ✓ | 50.0 | 49.7 | 99.4 |
| p2 Cal 5-100ng | 5 | ✓ | 100.0 | 102.4 | 102.4 |
| p2 Cal 6-250ng | 6 | ✓ | 250.0 | 257.3 | 102.9 |
| p2 Cal 7-500ng | 7 | ✓ | 500.0 | 530.2 | 106.0 |
| p2 Cal 8-1000ng | 8 | ✓ | 1000.0 | 960.7 | 96.1 |

TS CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28 P2 Casework CS TS.batch.bin
Last Cal. Update 11/15/2021 1:44 PM
Analyst Name ISP\datastor
Analyte Doxepin **Internal Standard** Doxepin-D3



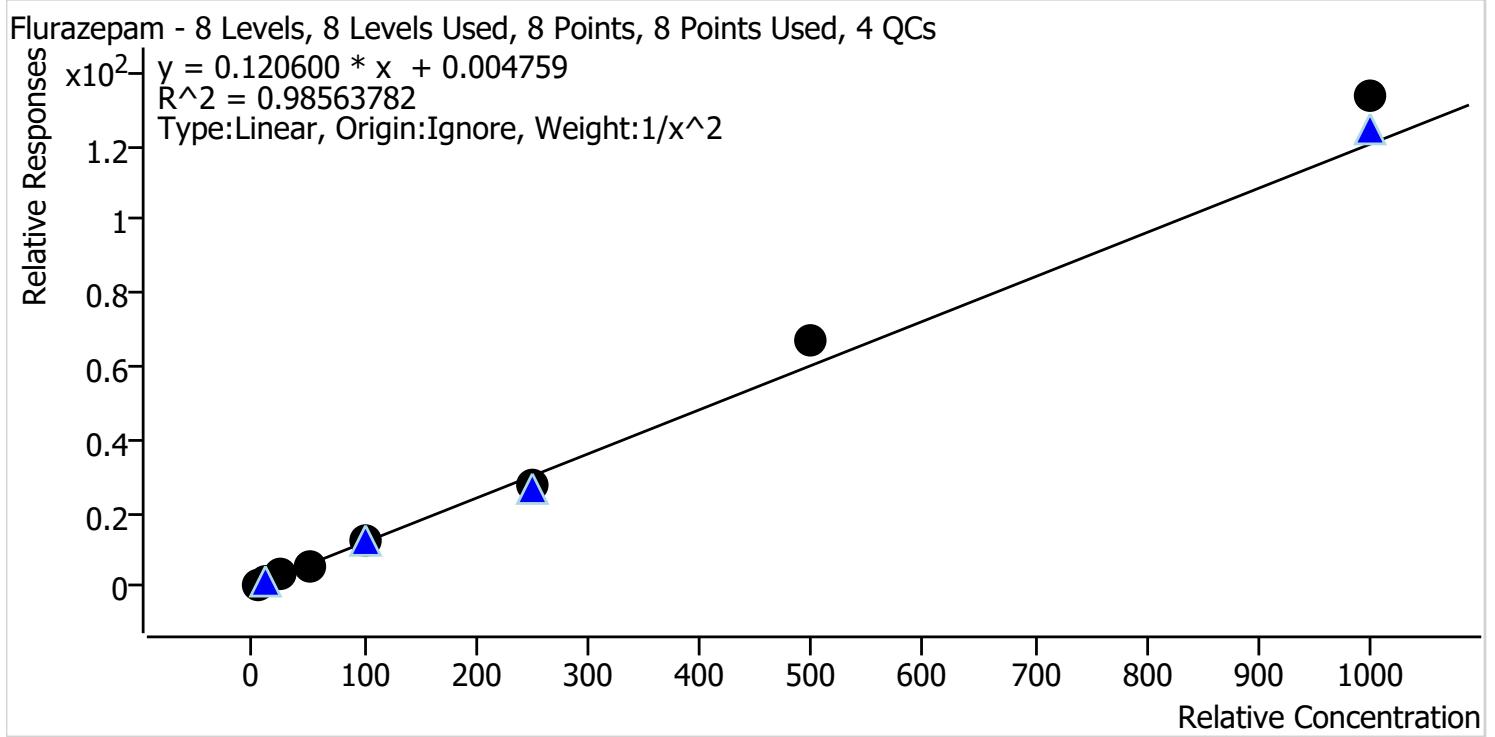
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p2 Cal 1-5ng | 1 | ✓ | 5.0 | 4.2 | 83.6 |
| p2 Cal 2-10ng | 2 | ✓ | 10.0 | 10.0 | 100.3 |
| p2 Cal 3-25ng | 3 | ✓ | 25.0 | 25.7 | 103.0 |
| p2 Cal 4-50ng | 4 | ✓ | 50.0 | 52.7 | 105.5 |
| p2 Cal 5-100ng | 5 | ✓ | 100.0 | 109.8 | 109.8 |
| p2 Cal 6-250ng | 6 | ✓ | 250.0 | 251.3 | 100.5 |
| p2 Cal 7-500ng | 7 | ✓ | 500.0 | 486.5 | 97.3 |
| p2 Cal 8-1000ng | 8 | ✓ | 1000.0 | 999.7 | 100.0 |

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

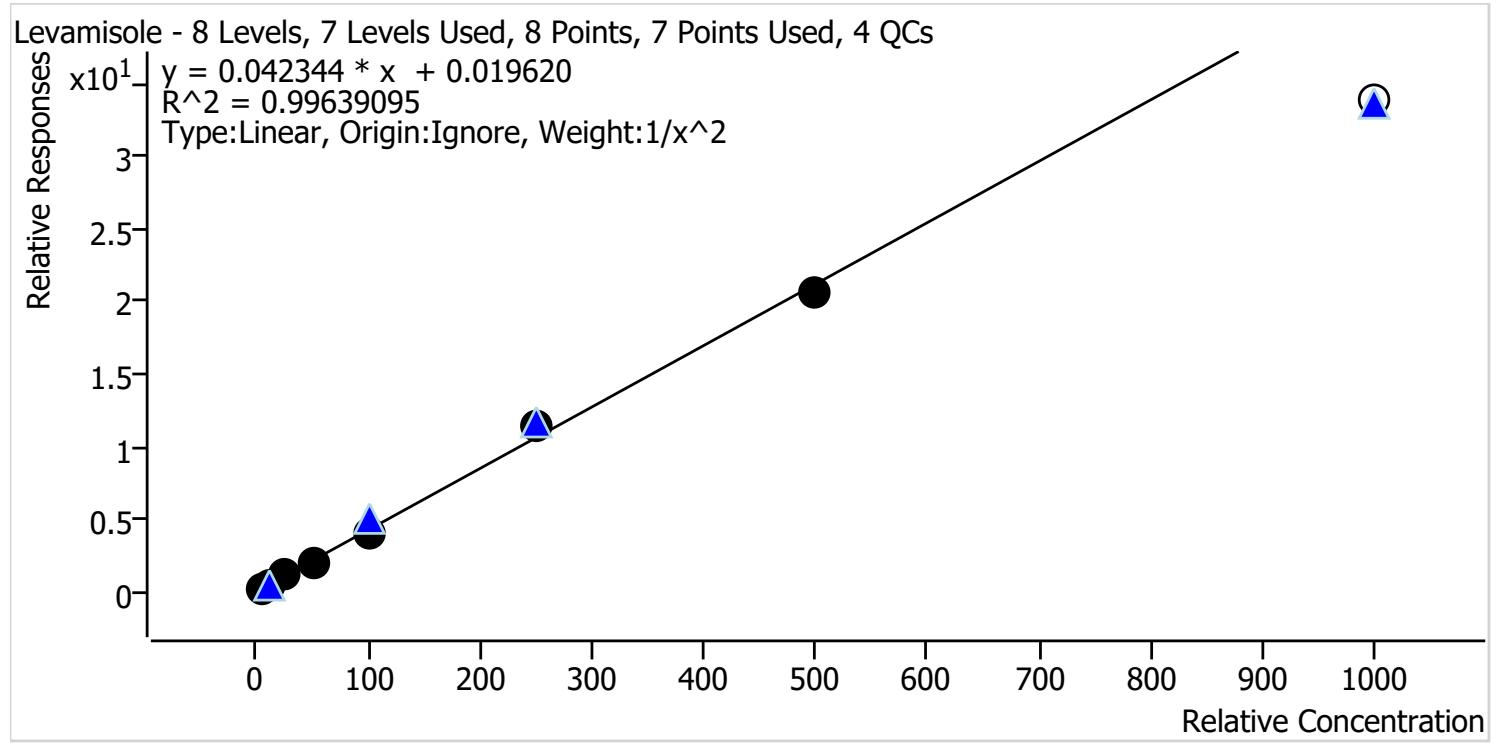
Batch results D:\MassHunter\Data\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28 P2 Casework CS TS.batch.bin
Last Cal. Update 11/15/2021 1:44 PM
Analyst Name ISP\datastor
Analyte Flurazepam **Internal Standard** Doxepin-D3



| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p2 Cal 1-5ng | 1 | ✓ | 5.0 | 5.4 | 108.4 |
| p2 Cal 2-10ng | 2 | ✓ | 10.0 | 8.4 | 84.5 |
| p2 Cal 3 -25ng | 3 | ✓ | 25.0 | 25.6 | 102.3 |
| p2 Cal 4-50ng | 4 | ✓ | 50.0 | 44.2 | 88.4 |
| p2 Cal 5-100ng | 5 | ✓ | 100.0 | 101.5 | 101.5 |
| p2 Cal 6-250ng | 6 | ✓ | 250.0 | 230.8 | 92.3 |
| p2 Cal 7-500ng | 7 | ✓ | 500.0 | 559.1 | 111.8 |
| p2 Cal 8-1000ng | 8 | ✓ | 1000.0 | 1108.1 | 110.8 |

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28 P2 Casework CS TS.batch.bin
Last Cal. Update 11/15/2021 1:44 PM
Analyst Name ISP\datastor
Analyte Levamisole **Internal Standard** Phencyclidine-D5



| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p2 Cal 1-5ng | 1 | ✓ | 5.0 | 4.9 | 97.3 |
| p2 Cal 2-10ng | 2 | ✓ | 10.0 | 10.5 | 105.0 |
| p2 Cal 3 -25ng | 3 | ✓ | 25.0 | 26.0 | 103.8 |
| p2 Cal 4-50ng | 4 | ✓ | 50.0 | 48.1 | 96.2 |
| p2 Cal 5-100ng | 5 | ✓ | 100.0 | 93.2 | 93.2 |
| p2 Cal 6-250ng | 6 | ✓ | 250.0 | 266.5 | 106.6 |
| p2 Cal 7-500ng | 7 | ✓ | 500.0 | 489.1 | 97.8 |
| p2 Cal 8-1000ng | 8 | ✗ | 1000.0 | 799.4 | 79.9 |

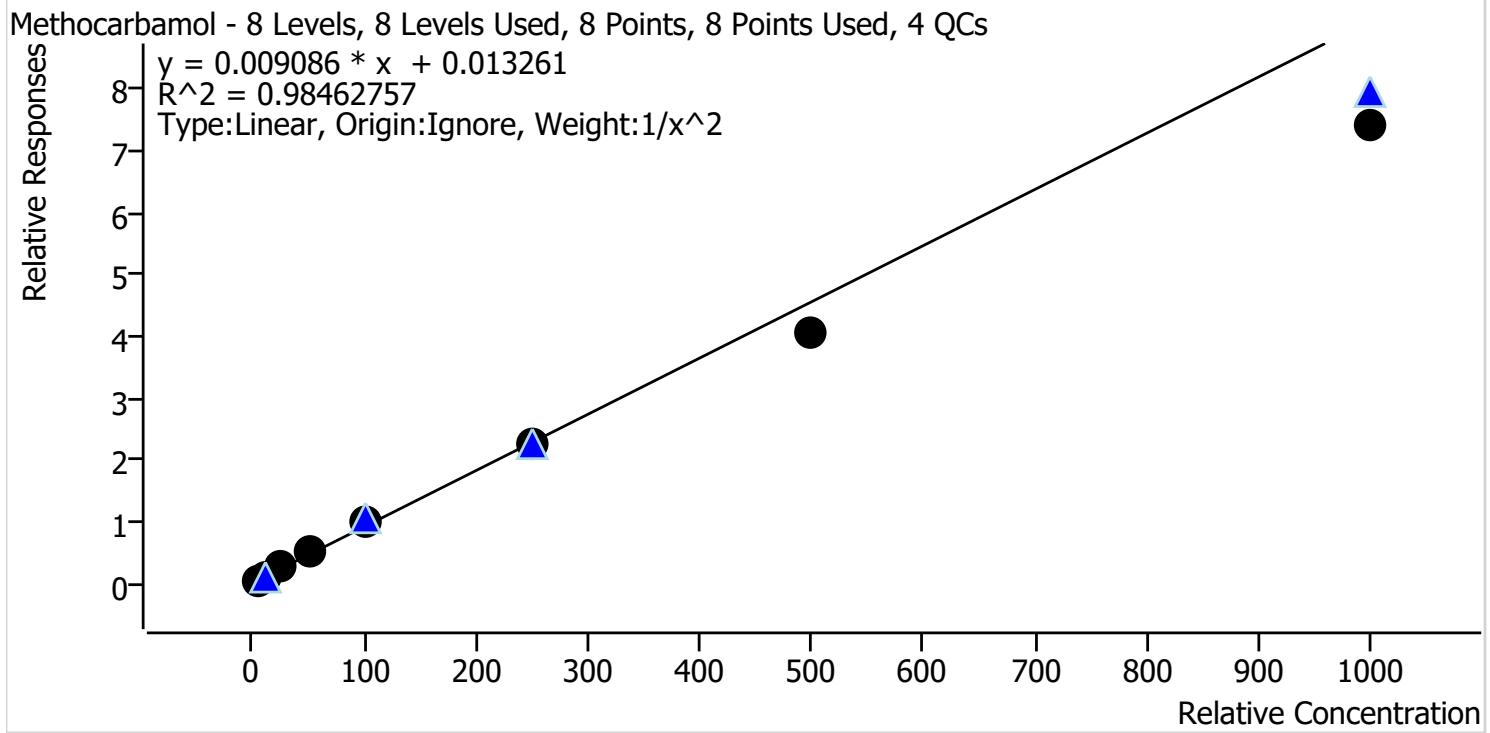
Calibrator 8 dropped due to not meeting accuracy requirement.

TS CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28 P2 Casework CS TS.batch.bin
Last Cal. Update 11/15/2021 1:44 PM
Analyst Name ISP\datastor
Analyte Methocarbamol **Internal Standard** Flunitrazepam-D7



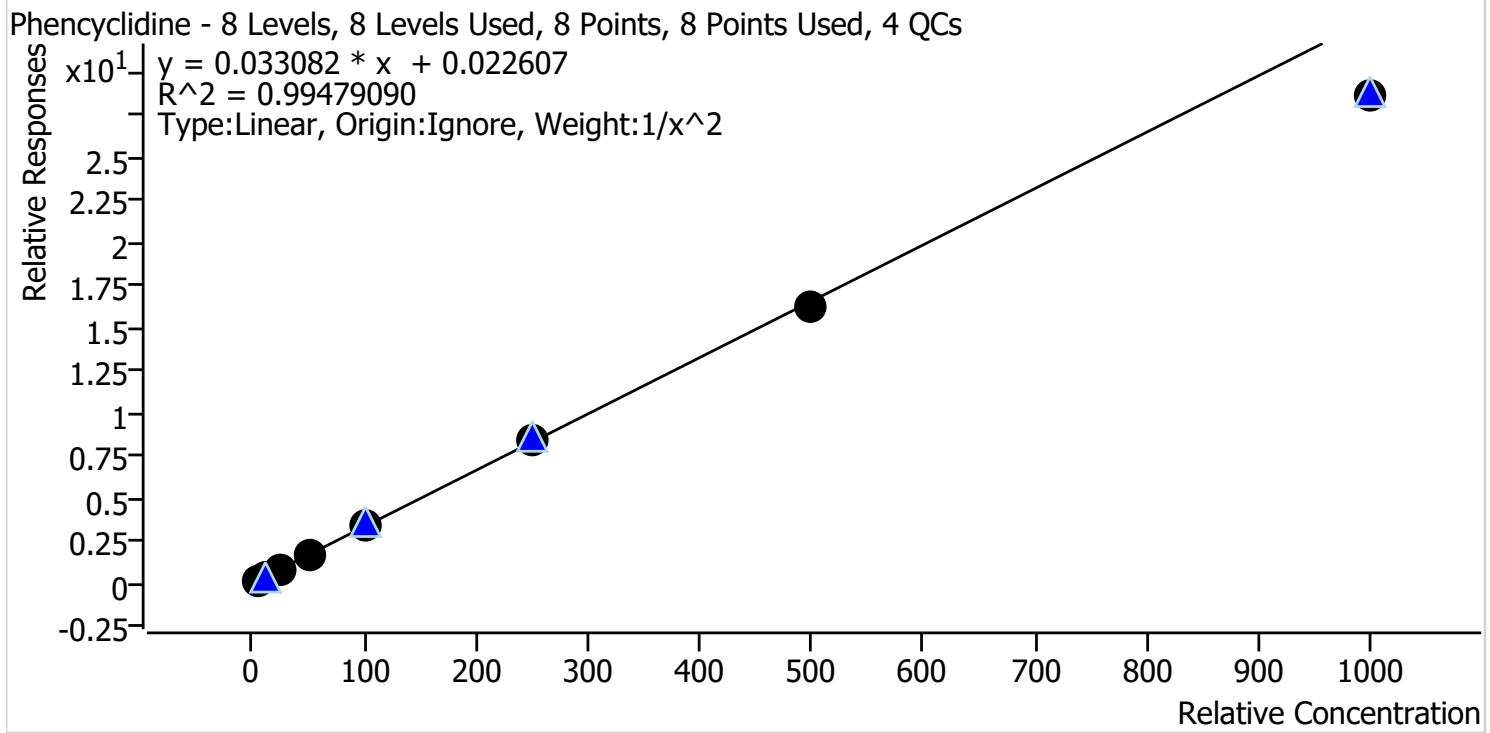
| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p2 Cal 1-5ng | 1 | ✓ | 5.0 | 4.7 | 94.3 |
| p2 Cal 2-10ng | 2 | ✓ | 10.0 | 10.5 | 104.8 |
| p2 Cal 3 -25ng | 3 | ✓ | 25.0 | 27.3 | 109.1 |
| p2 Cal 4-50ng | 4 | ✓ | 50.0 | 56.7 | 113.4 |
| p2 Cal 5-100ng | 5 | ✓ | 100.0 | 108.0 | 108.0 |
| p2 Cal 6-250ng | 6 | ✓ | 250.0 | 248.1 | 99.2 |
| p2 Cal 7-500ng | 7 | ✓ | 500.0 | 448.1 | 89.6 |
| p2 Cal 8-1000ng | 8 | ✓ | 1000.0 | 817.0 | 81.7 |

TS CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28 P2 Casework CS TS.batch.bin
Last Cal. Update 11/15/2021 1:44 PM
Analyst Name ISP\datastor
Analyte Phencyclidine **Internal Standard** Phencyclidine-D5



| Sample | Level | Enabled | Expected Concentration | Final Concentration | Accuracy |
|-----------------|-------|---------|------------------------|---------------------|----------|
| p2 Cal 1-5ng | 1 | ✓ | 5.0 | 4.8 | 96.9 |
| p2 Cal 2-10ng | 2 | ✓ | 10.0 | 10.3 | 103.0 |
| p2 Cal 3-25ng | 3 | ✓ | 25.0 | 26.5 | 105.8 |
| p2 Cal 4-50ng | 4 | ✓ | 50.0 | 51.4 | 102.8 |
| p2 Cal 5-100ng | 5 | ✓ | 100.0 | 104.9 | 104.9 |
| p2 Cal 6-250ng | 6 | ✓ | 250.0 | 256.0 | 102.4 |
| p2 Cal 7-500ng | 7 | ✓ | 500.0 | 488.0 | 97.6 |
| p2 Cal 8-1000ng | 8 | ✓ | 1000.0 | 865.9 | 86.6 |



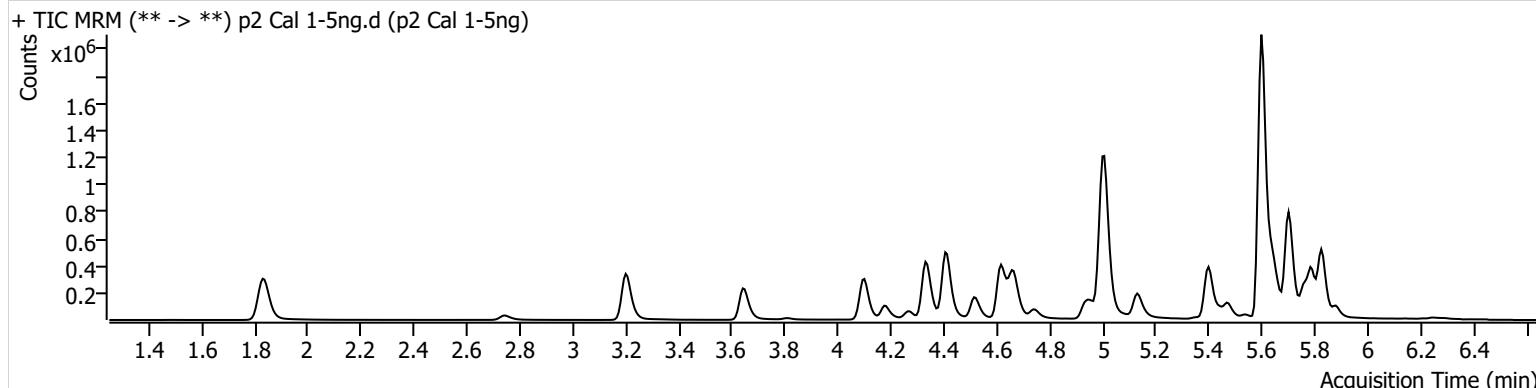
TS

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28 P2 Casework CS TS.batch.bin
Calibration Last Update 11/15/2021 1:44:17 PM

| | | | |
|------------------|-----------------------|-----------|----------------|
| Instrument | Falco (069901) | Data File | p2 Cal 1-5ng.d |
| Type | Cal | Sample | p2 Cal 1-5ng |
| Acq. Method | AM 28 MDQ P2 102521.m | Operator | Celena Shrum |
| Sample Position | P2-H6 | Comment | |
| Injection Volume | 5 | | |
| Acq. Date-Time | 11/10/2021 7:39:00 AM | | |
| Sample Info. | | | |

Sample Chromatogram



| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|--------------------|-------|--------|----------|-------|---------|------------|--------------|
| Acetyl-fentanyl | 4.665 | 1209 | 26.58 | 118.7 | 6115.94 | 169695 | 4.8154 ng/ml |
| Acetyl-norfentanyl | 3.233 | 11154 | 216.57 | 36.5 | 255.40 | 903553 | 4.3214 ng/ml |
| Amitriptyline | 5.698 | 3651 | 17.40 | 103.4 | 1049.00 | 24917 | 5.3243 ng/ml |
| Carbamazepine | 5.604 | 371337 | 1241.42 | 4.9 | 341.72 | 4235837 | 5.1928 ng/ml |
| Chlorpheniramine | 5.134 | 70540 | 314.96 | 0.1 | 20.77 | 394714 | 4.5594 ng/ml |
| Doxepin | 5.389 | 6432 | 12.40 | 34.8 | 15.98 | 38510 | 4.1818 ng/ml |
| Flurazepam | 5.351 | 25346 | 35382.14 | 9.6 | 1023.95 | 38510 | 5.4180 ng/ml |
| Levamisole | 2.747 | 60001 | 1318.01 | 78.6 | 619.36 | 265829 | 4.8671 ng/ml |
| Methocarbamol | 4.423 | 28271 | 1936.64 | 93.1 | 9294.28 | 504080 | 4.7132 ng/ml |
| Phencyclidine | 4.955 | 48605 | 19287.54 | 40.6 | 46.20 | 265829 | 4.8436 ng/ml |



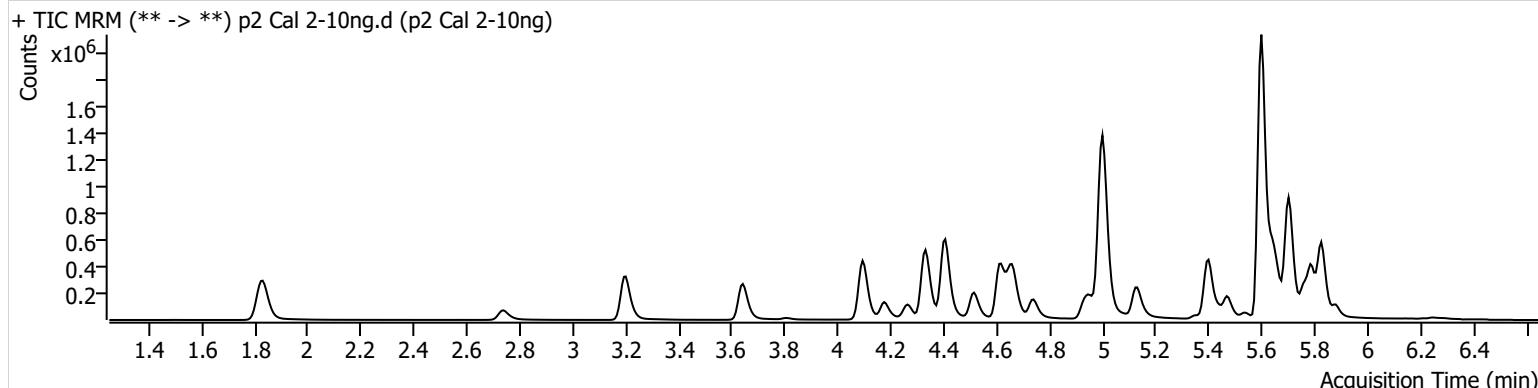
TS

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28 P2 Casework CS TS.batch.bin
Calibration Last Update 11/15/2021 1:44:17 PM

| | | | |
|------------------|-----------------------|-----------|-----------------|
| Instrument | Falco (069901) | Data File | p2 Cal 2-10ng.d |
| Type | Cal | Sample | p2 Cal 2-10ng |
| Acq. Method | AM 28 MDQ P2 102521.m | Operator | Celena Shrum |
| Sample Position | P2-G6 | Comment | |
| Injection Volume | 5 | | |
| Acq. Date-Time | 11/10/2021 7:49:53 AM | | |
| Sample Info. | | | |

Sample Chromatogram



| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|--------------------|-------|--------|----------|-------|---------|------------|---------------|
| Acetyl-fentanyl | 4.658 | 3444 | 151.61 | 94.4 | 1586.51 | 200615 | 10.9900 ng/ml |
| Acetyl-norfentanyl | 3.227 | 22307 | 558.73 | 35.8 | 163.42 | 867380 | 10.0321 ng/ml |
| Amitriptyline | 5.698 | 11148 | 139.43 | 108.3 | 80.10 | 41587 | 10.1336 ng/ml |
| Carbamazepine | 5.604 | 725281 | 3765.13 | 4.7 | 232.79 | 3981539 | 10.0395 ng/ml |
| Chlorpheniramine | 5.134 | 169100 | 3860.21 | 0.1 | 2.37 | 440459 | 10.2975 ng/ml |
| Doxepin | 5.389 | 18351 | 344.88 | 29.8 | 35.71 | 55576 | 10.0322 ng/ml |
| Flurazepam | 5.351 | 56884 | 64481.22 | 9.8 | 1544.96 | 55576 | 8.4476 ng/ml |
| Levamisole | 2.740 | 128716 | 10785.81 | 81.7 | 637.81 | 277247 | 10.5008 ng/ml |
| Methocarbamol | 4.416 | 51392 | 108.53 | 95.1 | 1741.33 | 473739 | 10.4800 ng/ml |
| Phencyclidine | 4.948 | 100697 | 1567.18 | 41.7 | 72.82 | 277247 | 10.2955 ng/ml |



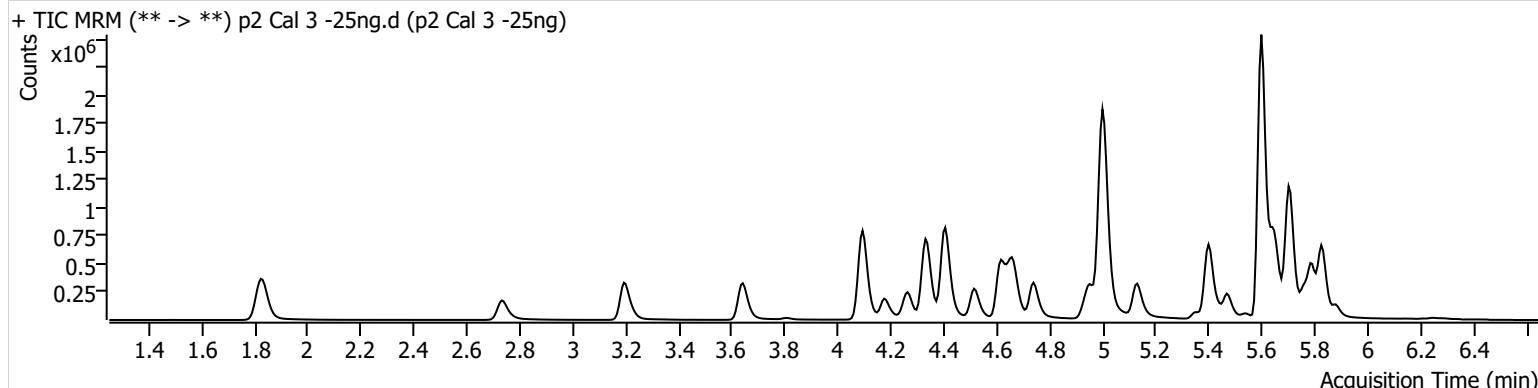
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28 P2 Casework CS TS.batch.bin
Calibration Last Update 11/15/2021 1:44:17 PM

| | | | |
|-------------------------|-----------------------|------------------|------------------|
| Instrument | Falco (069901) | Data File | p2 Cal 3 -25ng.d |
| Type | Cal | Sample | p2 Cal 3 -25ng |
| Acq. Method | AM 28 MDQ P2 102521.m | Operator | Celena Shrum |
| Sample Position | P2-F6 | Comment | |
| Injection Volume | 5 | | |
| Acq. Date-Time | 11/10/2021 8:00:36 AM | | |

Sample Info.

Sample Chromatogram



| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|--------------------|-------|---------|---------|-------|---------|------------|---------------|
| Acetyl-fentanyl | 4.665 | 6992 | 110.57 | 109.3 | 2015.12 | 183886 | 23.8194 ng/ml |
| Acetyl-norfentanyl | 3.227 | 53444 | 889.67 | 36.3 | 1364.88 | 873065 | 25.1908 ng/ml |
| Amitriptyline | 5.698 | 17523 | 388.76 | 111.2 | 691.00 | 26624 | 25.5723 ng/ml |
| Carbamazepine | 5.604 | 1728695 | 4788.04 | 4.8 | 703.95 | 3817663 | 23.9215 ng/ml |
| Chlorpheniramine | 5.134 | 369092 | 1997.48 | 0.2 | 1321.40 | 410060 | 24.7310 ng/ml |
| Doxepin | 5.389 | 32245 | 172.46 | 35.1 | 84.17 | 41965 | 25.7431 ng/ml |
| Flurazepam | 5.351 | 129695 | 1372.20 | 10.8 | 246.84 | 41965 | 25.5873 ng/ml |
| Levamisole | 2.734 | 309789 | 500.34 | 82.1 | 2636.30 | 276922 | 25.9559 ng/ml |
| Methocarbamol | 4.416 | 118828 | 8392.07 | 93.1 | 3037.39 | 455316 | 27.2640 ng/ml |
| Phencyclidine | 4.955 | 248655 | 961.67 | 42.3 | 823.99 | 276922 | 26.4590 ng/ml |



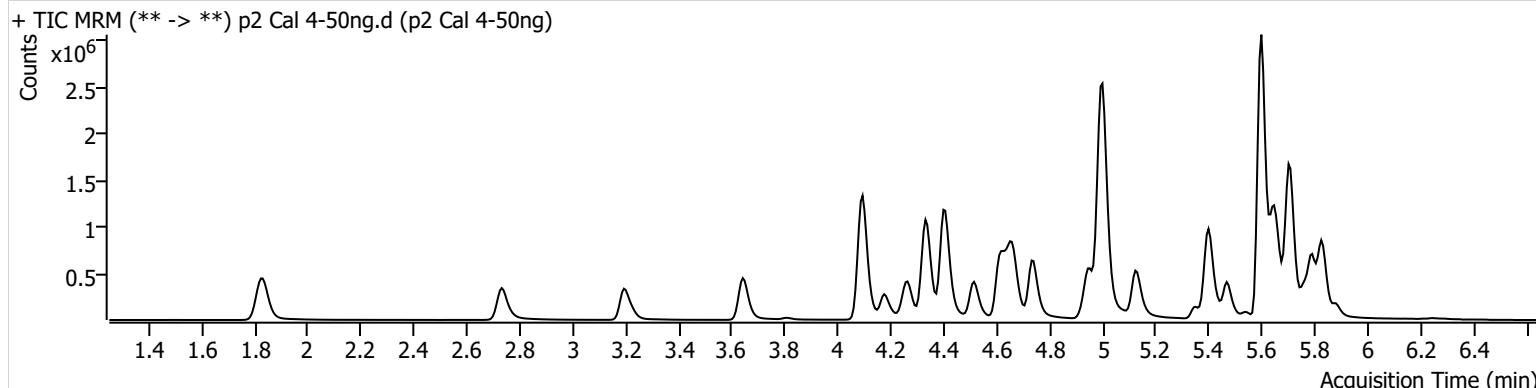
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28 P2 Casework CS TS.batch.bin
Calibration Last Update 11/15/2021 1:44:17 PM

| | | | |
|-------------------------|-----------------------|------------------|-----------------|
| Instrument | Falco (069901) | Data File | p2 Cal 4-50ng.d |
| Type | Cal | Sample | p2 Cal 4-50ng |
| Acq. Method | AM 28 MDQ P2 102521.m | Operator | Celena Shrum |
| Sample Position | P2-E6 | Comment | |
| Injection Volume | 5 | | |
| Acq. Date-Time | 11/10/2021 8:11:18 AM | | |

Sample Info.

Sample Chromatogram



| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|--------------------|-------|---------|----------|-------|----------|------------|---------------|
| Acetyl-fentanyl | 4.658 | 16313 | 490.63 | 101.8 | 18520.06 | 209335 | 48.3611 ng/ml |
| Acetyl-norfentanyl | 3.227 | 107009 | 2898.04 | 36.2 | 7223.27 | 874429 | 51.3092 ng/ml |
| Amitriptyline | 5.698 | 46756 | 390.07 | 122.5 | 918.88 | 38479 | 47.6131 ng/ml |
| Carbamazepine | 5.604 | 3266340 | 9512.21 | 5.0 | 1399.78 | 3510197 | 48.4236 ng/ml |
| Chlorpheniramine | 5.127 | 839384 | 33684.55 | 0.2 | 87.03 | 468021 | 49.7122 ng/ml |
| Doxepin | 5.389 | 80664 | 596.93 | 34.3 | 319.37 | 53029 | 52.7335 ng/ml |
| Flurazepam | 5.351 | 282961 | 245.07 | 10.2 | 486.48 | 53029 | 44.2060 ng/ml |
| Levamisole | 2.734 | 606498 | 18816.78 | 82.0 | 1824.33 | 295041 | 48.0832 ng/ml |
| Methocarbamol | 4.416 | 214560 | 11591.21 | 92.2 | 3291.38 | 406142 | 56.6847 ng/ml |
| Phencyclidine | 4.948 | 508302 | 2818.67 | 44.5 | 1116.59 | 295041 | 51.3939 ng/ml |

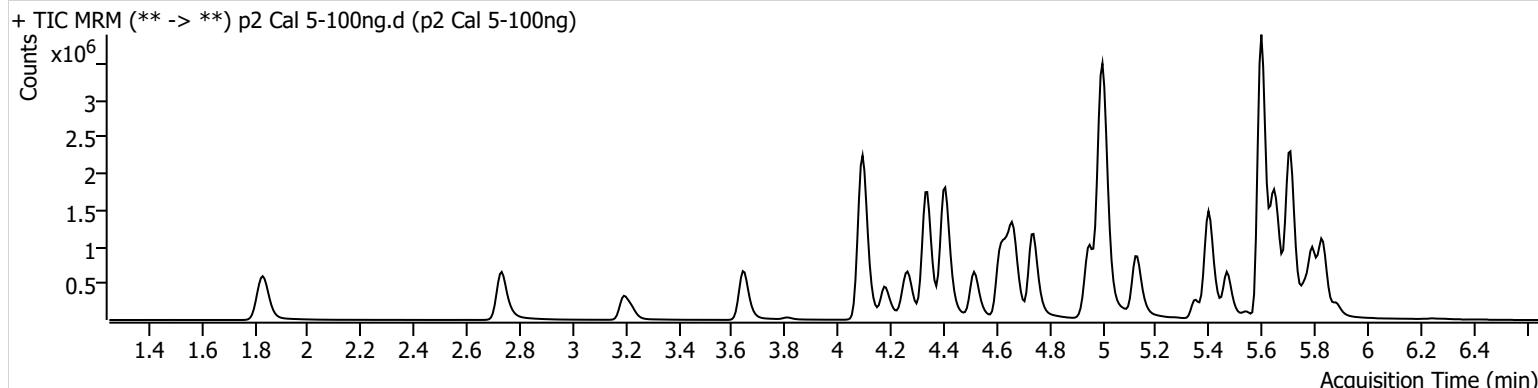


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28 P2 Casework CS TS.batch.bin
Calibration Last Update 11/15/2021 1:44:17 PM

| | | | |
|-------------------------|-----------------------|------------------|------------------|
| Instrument | Falco (069901) | Data File | p2 Cal 5-100ng.d |
| Type | Cal | Sample | p2 Cal 5-100ng |
| Acq. Method | AM 28 MDQ P2 102521.m | Operator | Celena Shrum |
| Sample Position | P2-D6 | Comment | |
| Injection Volume | 5 | | |
| Acq. Date-Time | 11/10/2021 8:22:03 AM | | |
| Sample Info. | | | |

Sample Chromatogram



| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|--------------------|-------|---------|-----------|-------|----------|------------|----------------|
| Acetyl-fentanyl | 4.658 | 31483 | 263.80 | 96.2 | 54233.76 | 196873 | 98.7891 ng/ml |
| Acetyl-norfentanyl | 3.220 | 210541 | 47243.73 | 36.0 | 2503.36 | 836813 | 106.4928 ng/ml |
| Amitriptyline | 5.691 | 78198 | 359.55 | 116.2 | 662.34 | 31584 | 97.5098 ng/ml |
| Carbamazepine | 5.604 | 5707112 | 20151.82 | 5.4 | 1473.10 | 2938447 | 100.3138 ng/ml |
| Chlorpheniramine | 5.134 | 1689719 | 4736.85 | 0.2 | 49.57 | 459276 | 102.4389 ng/ml |
| Doxepin | 5.389 | 143627 | 642.40 | 34.8 | 182.83 | 46133 | 109.8210 ng/ml |
| Flurazepam | 5.351 | 564784 | 12042.81 | 10.9 | 5931.51 | 46133 | 101.4740 ng/ml |
| Levamisole | 2.734 | 1160518 | 130165.04 | 82.1 | 772.47 | 292463 | 93.2482 ng/ml |
| Methocarbamol | 4.416 | 342337 | 6280.55 | 93.0 | 15412.00 | 344350 | 107.9583 ng/ml |
| Phencyclidine | 4.948 | 1021964 | 5594.34 | 45.1 | 2182.00 | 292463 | 104.9433 ng/ml |



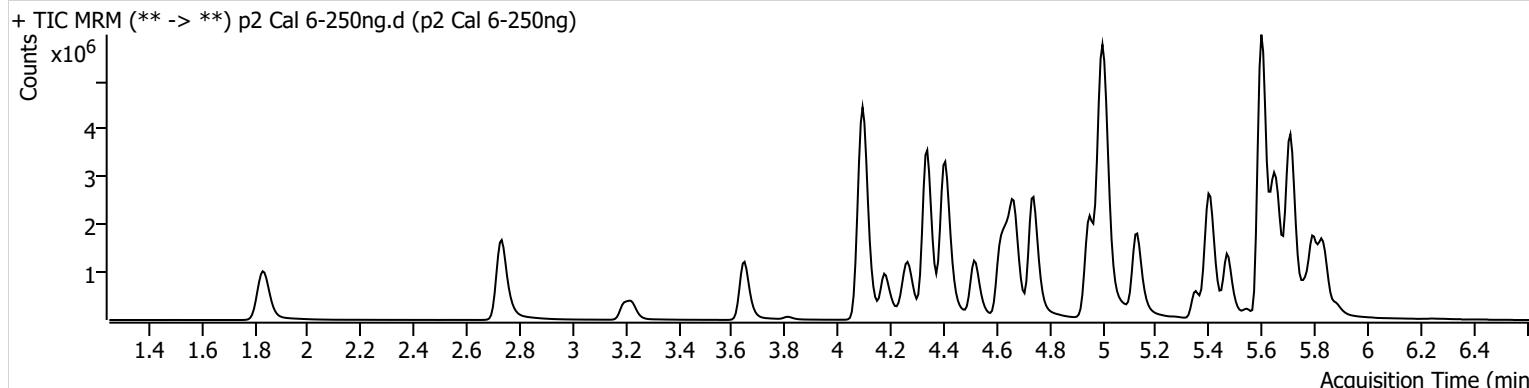
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28 P2 Casework CS TS.batch.bin
Calibration Last Update 11/15/2021 1:44:17 PM

| | | | |
|-------------------------|-----------------------|------------------|------------------|
| Instrument | Falco (069901) | Data File | p2 Cal 6-250ng.d |
| Type | Cal | Sample | p2 Cal 6-250ng |
| Acq. Method | AM 28 MDQ P2 102521.m | Operator | Celena Shrum |
| Sample Position | P2-C6 | Comment | |
| Injection Volume | 5 | | |
| Acq. Date-Time | 11/10/2021 8:32:48 AM | | |

Sample Info.

Sample Chromatogram



| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|--------------------|-------|----------|-----------|-------|-----------|------------|----------------|
| Acetyl-fentanyl | 4.665 | 68426 | 3266.32 | 93.9 | 144498.94 | 163089 | 258.4855 ng/ml |
| Acetyl-norfentanyl | 3.227 | 539290 | 1173.04 | 35.9 | 21255.00 | 882970 | 259.8730 ng/ml |
| Amitriptyline | 5.698 | 182266 | 2501.25 | 115.8 | 1242.78 | 30144 | 238.8198 ng/ml |
| Carbamazepine | 5.604 | 11553725 | 7020.87 | 5.9 | 727.95 | 2298219 | 258.5467 ng/ml |
| Chlorpheniramine | 5.134 | 3996802 | 64875.20 | 0.2 | 137.91 | 433574 | 257.3281 ng/ml |
| Doxepin | 5.389 | 320149 | 1968.06 | 38.1 | 473.84 | 45358 | 251.2697 ng/ml |
| Flurazepam | 5.351 | 1262567 | 900671.05 | 11.4 | 350.70 | 45358 | 230.7725 ng/ml |
| Levamisole | 2.734 | 2987688 | 128060.12 | 81.9 | 97762.89 | 264313 | 266.4859 ng/ml |
| Methocarbamol | 4.423 | 601913 | 1623.73 | 92.5 | 243.61 | 265475 | 248.0831 ng/ml |
| Phencyclidine | 4.948 | 2244774 | 6692.35 | 48.0 | 4394.18 | 264313 | 256.0383 ng/ml |



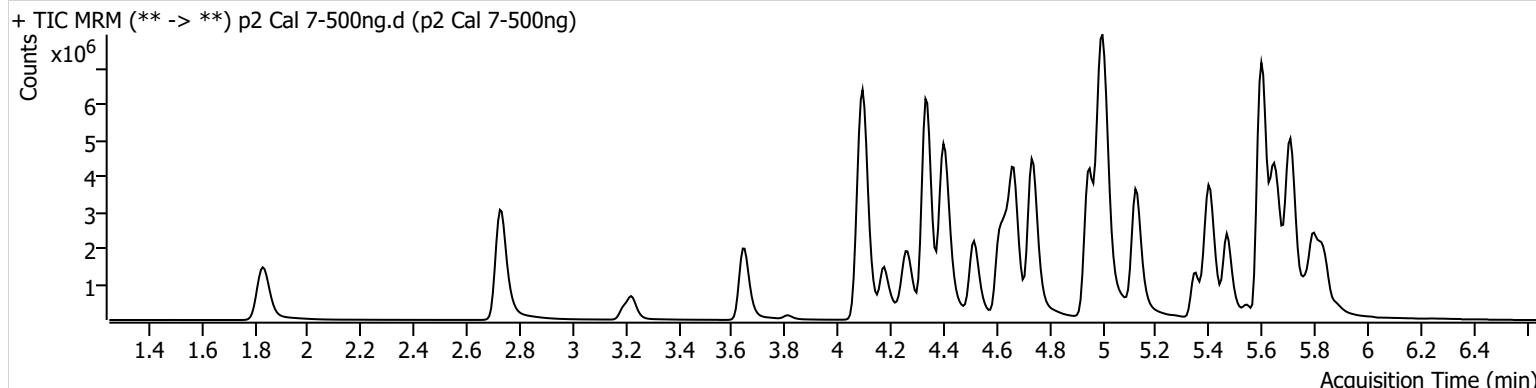
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28 P2 Casework CS TS.batch.bin
Calibration Last Update 11/15/2021 1:44:17 PM

| | | | |
|-------------------------|-----------------------|------------------|------------------|
| Instrument | Falco (069901) | Data File | p2 Cal 7-500ng.d |
| Type | Cal | Sample | p2 Cal 7-500ng |
| Acq. Method | AM 28 MDQ P2 102521.m | Operator | Celena Shrum |
| Sample Position | P2-B6 | Comment | |
| Injection Volume | 5 | | |
| Acq. Date-Time | 11/10/2021 8:43:30 AM | | |

Sample Info.

Sample Chromatogram



| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|--------------------|-------|----------|-----------|-------|-----------|------------|----------------|
| Acetyl-fentanyl | 4.658 | 128013 | 2071.63 | 92.7 | 2732.60 | 155010 | 508.3627 ng/ml |
| Acetyl-norfentanyl | 3.227 | 1072093 | 13937.77 | 36.3 | 100795.32 | 893402 | 511.5046 ng/ml |
| Amitriptyline | 5.691 | 297542 | 218879.88 | 106.4 | 1559.44 | 23471 | 501.2186 ng/ml |
| Carbamazepine | 5.604 | 16414671 | 26701.04 | 6.5 | 2028.04 | 1681856 | 501.2844 ng/ml |
| Chlorpheniramine | 5.127 | 8681522 | 111142.21 | 0.2 | 117.11 | 457446 | 530.2413 ng/ml |
| Doxepin | 5.382 | 568155 | 3754.57 | 40.1 | 419.63 | 41717 | 486.5110 ng/ml |
| Flurazepam | 5.351 | 2812919 | 9903.51 | 12.0 | 3104.11 | 41717 | 559.0700 ng/ml |
| Levamisole | 2.727 | 5778882 | 5835.41 | 81.7 | 190114.65 | 278778 | 489.0861 ng/ml |
| Methocarbamol | 4.423 | 784529 | 6379.55 | 92.7 | 7962.86 | 192075 | 448.0854 ng/ml |
| Phencyclidine | 4.948 | 4506726 | 8788.15 | 50.6 | 4681.59 | 278778 | 487.9806 ng/ml |

TS



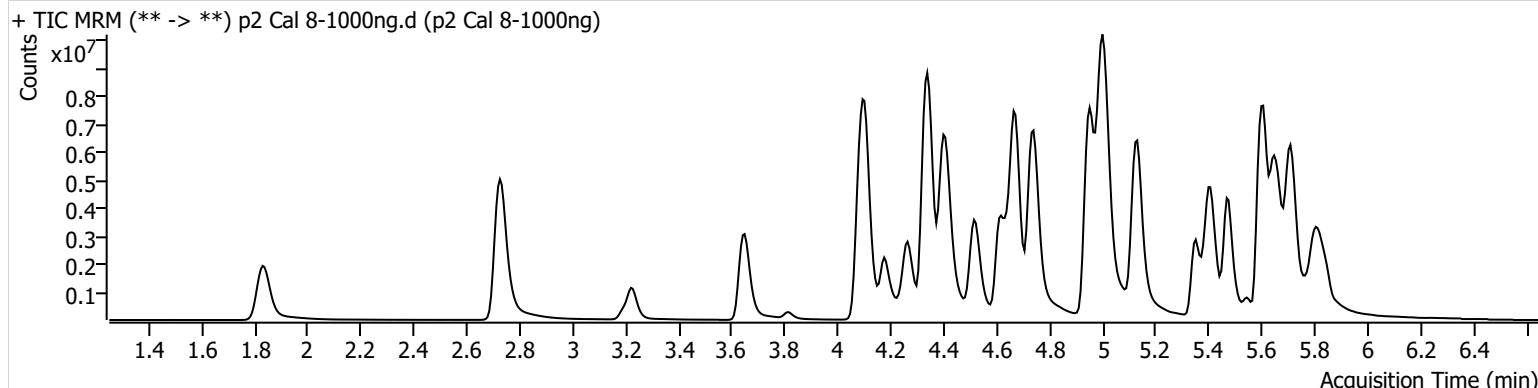
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\AM 27-28\110821 AM 27 28 TS CS\QuantResults\AM 28 P2 Casework CS TS.batch.bin
Calibration Last Update 11/15/2021 1:44:17 PM

| | | | |
|-------------------------|-----------------------|------------------|-------------------|
| Instrument | Falco (069901) | Data File | p2 Cal 8-1000ng.d |
| Type | Cal | Sample | p2 Cal 8-1000ng |
| Acq. Method | AM 28 MDQ P2 102521.m | Operator | Celena Shrum |
| Sample Position | P2-A6 | Comment | |
| Injection Volume | 5 | | |
| Acq. Date-Time | 11/10/2021 8:54:14 AM | | |

Sample Info.

Sample Chromatogram



| Name | RT | Resp. | S/N | Ratio | S/N | ISTD Resp. | Final Conc. |
|--------------------|-------|----------|-----------|-------|-----------|------------|-----------------|
| Acetyl-fentanyl | 4.665 | 266951 | 2920.80 | 93.5 | 255486.72 | 167723 | 979.3570 ng/ml |
| Acetyl-norfentanyl | 3.227 | 2080253 | 10856.56 | 35.9 | 100502.68 | 913731 | 971.2763 ng/ml |
| Amitriptyline | 5.691 | 656256 | 1297.31 | 101.7 | 3137.24 | 25606 | 1013.8085 ng/ml |
| Carbamazepine | 5.609 | 19114690 | 7136.23 | 6.6 | 1039.63 | 988726 | 992.2777 ng/ml |
| Chlorpheniramine | 5.134 | 17640154 | 145814.79 | 0.2 | 14803.99 | 513211 | 960.6915 ng/ml |
| Doxepin | 5.382 | 1310572 | 2518.59 | 42.2 | 320.24 | 46920 | 999.7077 ng/ml |
| Flurazepam | 5.351 | 6270219 | 190368.02 | 12.7 | 29973.06 | 46920 | 1108.0706 ng/ml |
| Levamisole | 2.727 | 10212517 | 2896.30 | 81.8 | 127890.05 | 301532 | 799.3919 ng/ml |
| Methocarbamol | 4.430 | 796782 | 33164.81 | 91.9 | 57574.85 | 107145 | 817.0131 ng/ml |
| Phencyclidine | 4.948 | 8644817 | 164437.22 | 53.4 | 70986.90 | 301532 | 865.9407 ng/ml |