

REVIEWED

By Sarah Pickle at 4:13 pm, Jan 30, 2019

TS

1/28/2019

Worklist: 2904

| <u>LAB CASE</u> | <u>ITEM</u> | <u>TASK ID</u> | <u>DESCRIPTION</u> | |
|-----------------|-------------|----------------|---|---|
| M2018-6273 | 1 | 138120 | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC |  |
| M2018-6281 | 1 | 138122 | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC |  |
| M2018-6286 | 1 | 138121 | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC |  |
| M2019-0142 | 5 | 138123 | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC |  |
| P2018-3370 | 1 | 138124 | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC |  |
| P2019-0104 | 1 | 138125 | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC |  |
| P2019-0127 | 1 | 138126 | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC |  |
| P2019-0129 | 1 | 138127 | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC |  |
| P2019-0130 | 1 | 138128 | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC |  |
| P2019-0153 | 1 | 138129 | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC |  |
| P2019-0154 | 1 | 138130 | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC |  |
| P2019-0175 | 1 | 138131 | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC |  |
| P2019-0176 | 1 | 138132 | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC |  |
| P2019-0203 | 1 | 138133 | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC |  |
| P2019-0219 | 1 | 138134 | AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC |  |

TS

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

Extraction Date: 01/28/19
Plate lot#: 0530563

Analyst: Tamara Salazar
Plate Expiration: 05/21/2019

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

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

Blank Blood Lot: 445283-1

Column: Agilent 120 EC-C18 (2.1x 100-4um)

LCMS-QQQ ID: 59740

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: Worklist # 2904

Analytic:

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

Post-Analytic

- 1. Create batch and process data.
Worklist path: *C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wklst 2904 TS*
Batch Name: *P1a MDQ 012819*
P1b MDQ 012819
- 2. Make necessary changes to integration limits
- 3. Integration linear and R² values ≥0.98 for each analyte.
- 4. For unknown samples and controls: response ratio within 20% of average of controls and standards, RT within +/- 5% (tramadol RT +/-2%), S/N for primary transition >10 and secondary transitions >5.
- 5. Did all QCs pass for each analyte? Y/N _____ Add Control data to QC tracking spreadsheet.
- 6. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports.

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COMMENTS:

Curves limited: 6-MAM 1-100

Amphetamine 10-1000

Metoprolol 5-500

Norhydrocodone 25-1000 TS

Benzoylcegonine 50-1000

Norbuprenorphine 5-100

Norfentanyl 2.5-100

Oxazepam 25-1000, calibrator 7 dropped due to the top of the peak cutting off—compound will be reported qualitatively only.

Not evaluated: Buprenorphine. Norhydrocodone- TS

Negative and External controls were reinjected on 01/29/2019 due to carryover.

TS



Idaho State Police Forensic Services

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

Methanol External Control Solution (Lot: 121218)
100 ul each 1 mg/mL stock solution in 9600 ul MeOH

| <i>Component</i> | <i>Source</i> | <i>Source Lot Number</i> | <i>Expiration Date</i> |
|----------------------|---------------|--------------------------|------------------------|
| Methanol (LCMS) | Fisher | 177145 | |
| Fluoxetine | Cerilliant | FN06281603 | 07/31/2021 |
| O-desmethyl Tramadol | Cerilliant | FN01241702 | 04/30/2022 |
| Amphetamine | Cerilliant | FE04061701 | 06/30/2022 |
| Alprazolam | Cerilliant | FE07061604 | 07/31/2021 |
| Prepared: | 12/12/18 | | |
| Prepared By: | Sarah Pickle | | |
| Expires: | 12/12/19 | | |

Blood External Control Solution (Lot: WS121218)
50 ul of methanol external control solution was added to 9950 ul of blood.
Approximately 50ng/mL of each compound.

| <i>Component</i> | <i>Source</i> | <i>Source Lot Number</i> |
|------------------------------------|---------------|--------------------------|
| Negative Blood | Hemostat | 445283-1 |
| Methanol External Control Solution | | 121218 |
| Prepared: | 12/12/18 | |
| Prepared by: | Sarah Pickle | |
| Expires: | 12/12/19 | |

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ISP FORENSICS - Pocatello Instrument # 59740

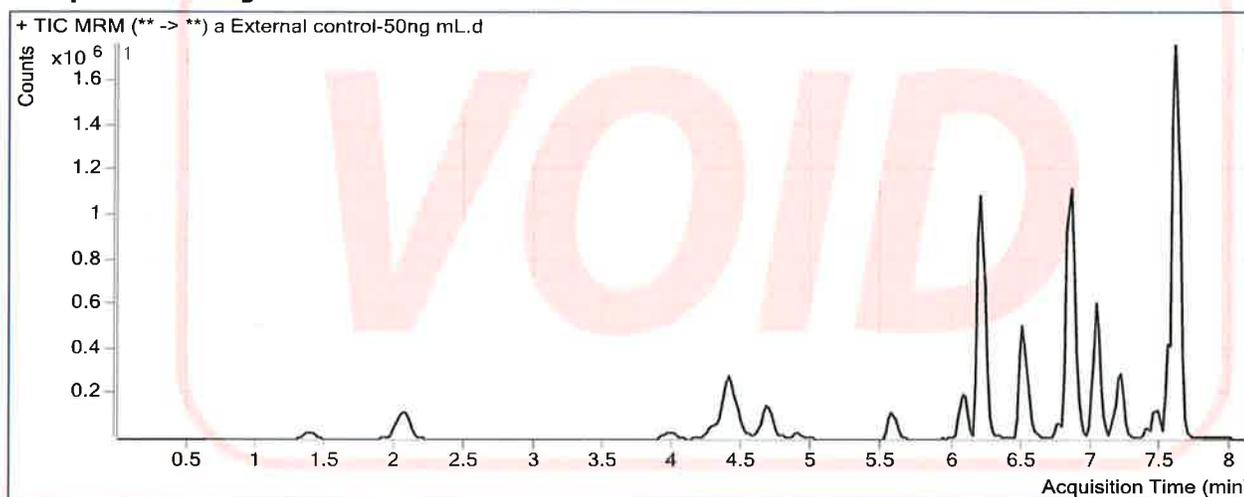
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wklst 2904 TS\QuantResults\P1a MDQ 012819.batch.bin
Analysis Time 1/29/2019 3:38 PM **Analyst Name** datastor
Report Time 1/29/2019 3:47 PM **Reporter Name** datastor
Last Calib Update 1/29/2019 3:37 PM **Batch State** Processed

Analysis Info

Acq Time 2019-01-28 19:38 **Data File** a External control-50ng mL.d
Sample Type Sample **Sample Name** a External control-50ng mL.d
Dilution 1 **Acq Method** MD Quant Panel 1a 7-11-18.m
Position P1-F2 **Sample Info**
Inj Vol -1 **Comment** AM 28; WS121218 50 ng Fluoxetine, O-desmethyl Tramadol, Amphetami

Sample Chromatogram



Results

| Compound | ISTD Compound | RT | Response | ISTD Resp | Resp Ratio | Final Conc |
|------------------|---------------------|-------|----------|-----------|------------|------------|
| Amphetamine | Amphetamine-D11 | 4.427 | 782743 | 250845 | 3.1204 | 52.1647 |
| Dextromethorphan | Dextromethorphan-D3 | 7.214 | 14580 | 70291 | 0.2074 | 9.0187 |
| Diphenhydramine | Diphenhydramine-D3 | 7.218 | 60765 | 666961 | 0.0911 | 5.7457 |
| Alprazolam | Alprazolam-D5 | 7.612 | 2527403 | 1754641 | 1.4404 | 44.2917 |

* External control was rejected due to carryover. - TS

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ISP FORENSICS - Pocatello Instrument # 59740

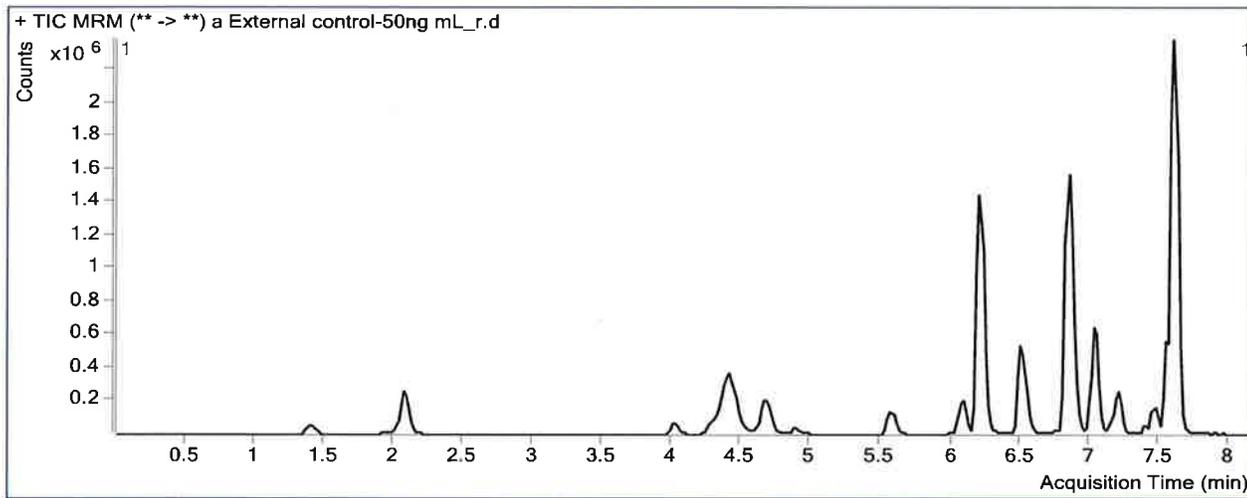
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wk1st 2904 TS\QuantResults\P1a MDQ 012819.batch.bin
Analysis Time 1/29/2019 3:38 PM **Analyst Name** datastor
Report Time 1/29/2019 3:51 PM **Reporter Name** datastor
Last Calib Update 1/29/2019 3:37 PM **Batch State** Processed

Analysis Info

Acq Time 2019-01-29 10:03 **Data File** a External control-50ng mL_r.d
Sample Type Sample **Sample Name** a External control-50ng mL_r.d
Dilution 1 **Acq Method** MD Quant Panel 1a 7-11-18.m
Position P1-F2 **Sample Info**
Inj Vol -1 **Comment** AM 28; WS121218 50 ng Fluoxetine, O-desmethyl Tramadol, Amphetamir

Sample Chromatogram



Results

| Compound | ISTD Compound | RT | Response | ISTD Resp | Resp Ratio | Final Conc |
|--------------------|-----------------|-------|----------|-----------|------------|----------------|
| <u>Amphetamine</u> | Amphetamine-D11 | 4.447 | 976695 | 311847 | 3.1320 | <u>52.3656</u> |
| <u>Alprazolam</u> | Alprazolam-D5 | 7.612 | 3405745 | 2431199 | 1.4009 | <u>43.1034</u> |

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ISP FORENSICS - Pocatello Instrument # 59740

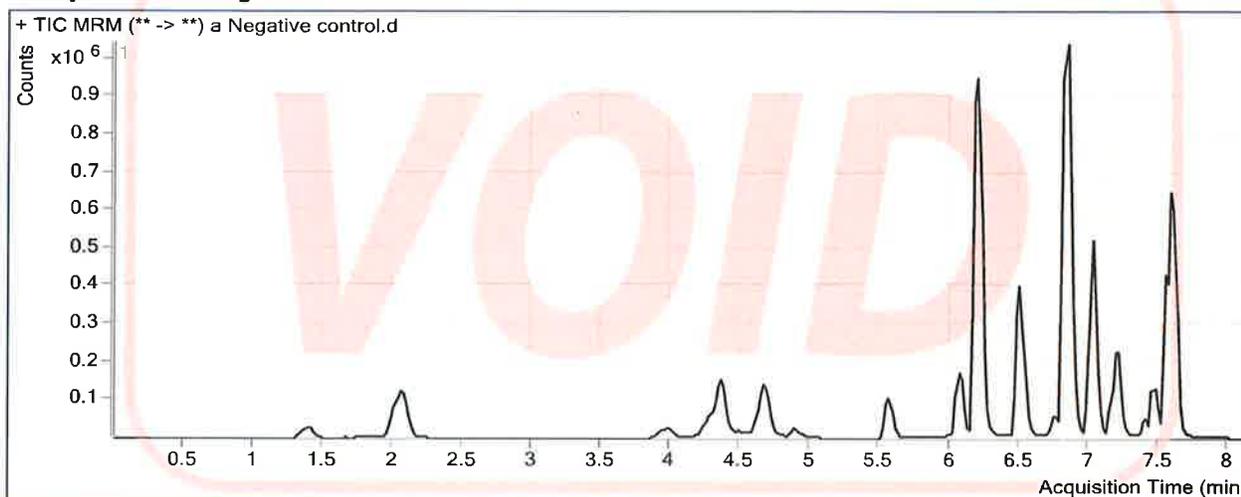
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wk1st 2904 TS\QuantResults\P1a MDQ 012819.
Analysis Time 1/29/2019 3:38 PM **Analyst Name** datastor
Report Time 1/29/2019 3:47 PM **Reporter Name** datastor
Last Calib Update 1/29/2019 3:37 PM **Batch State** Processed

Analysis Info

Acq Time 2019-01-28 19:06 **Data File** a Negative control.d
Sample Type Sample **Sample Name** a Negative control.d
Dilution 1 **Acq Method** MD Quant Panel 1a 7-11-18.m
Position P1-E2 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



* Negative control was reinjected due to signs of carryover. -TS

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ISP FORENSICS - Pocatello Instrument # 59740

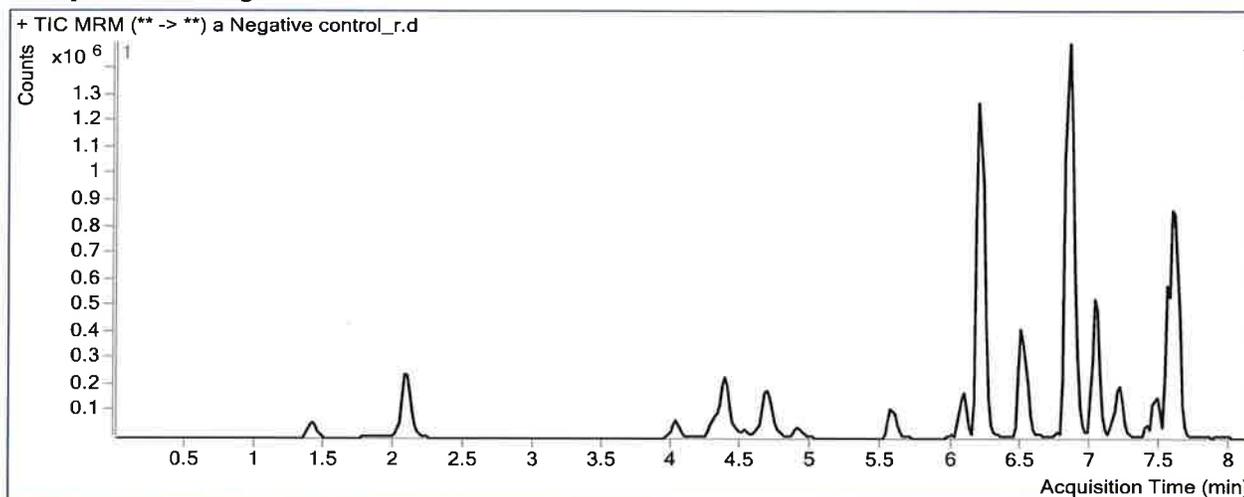
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wk1st 2904 TS\QuantResults\P1a MDQ 012819.batch.bin
Analysis Time 1/29/2019 3:38 PM **Analyst Name** datastor
Report Time 1/29/2019 3:51 PM **Reporter Name** datastor
Last Calib Update 1/29/2019 3:37 PM **Batch State** Processed

Analysis Info

Acq Time 2019-01-29 09:32 **Data File** a Negative control_r.d
Sample Type Sample **Sample Name** a Negative control_r.d
Dilution 1 **Acq Method** MD Quant Panel 1a 7-11-18.m
Position P1-E2 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

| Compound | ISTD Compound | RT | Response | ISTD Resp | Resp Ratio | Final Conc |
|-------------|-----------------|-------|----------|-----------|------------|--------------|
| Amphetamine | Amphetamine-D11 | 4.527 | 90962 | 245707 | 0.3702 | 4.3076 <5-13 |

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ISP FORENSICS - Pocatello Instrument # 59740

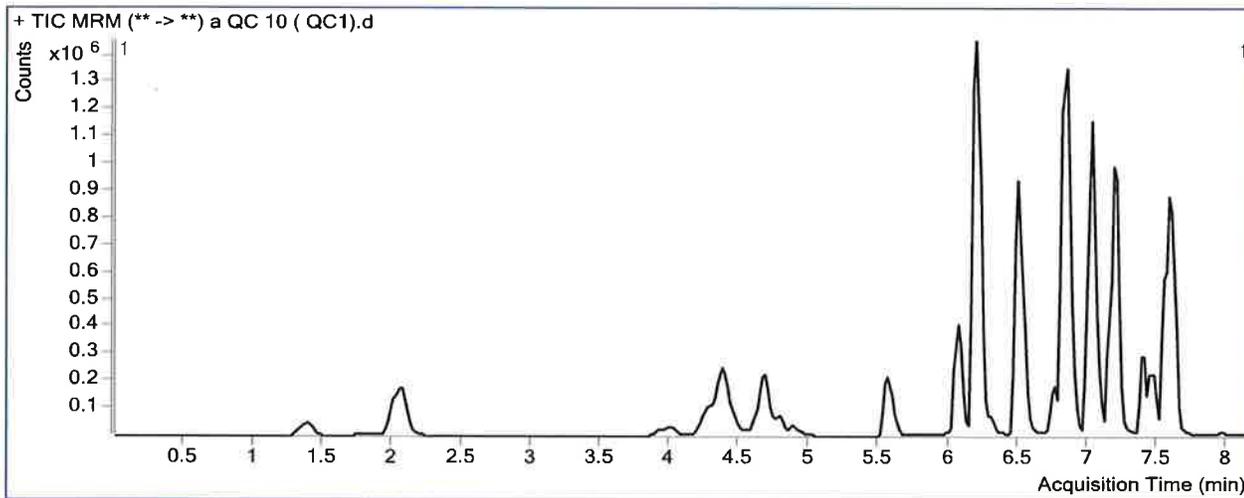
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wkst 2904 TS\QuantResults\P1a MDQ 012819.batch.bin
Analysis Time 1/29/2019 3:38 PM **Analyst Name** datastor
Report Time 1/29/2019 3:47 PM **Reporter Name** datastor
Last Calib Update 1/29/2019 3:37 PM **Batch State** Processed

Analysis Info

Acq Time 2019-01-28 20:41 **Data File** a QC 10 (QC1).d
Sample Type QC **Sample Name** a QC 10 (QC1).d
Dilution 1 **Acq Method** MD Quant Panel 1a 7-11-18.m
Position P1-A2 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

| Compound | ISTD Compound | RT | Response | ISTD Resp | Resp Ratio | Final Conc |
|---------------------------|------------------------------|------------------|-----------------|-------------------|-------------------|--------------------|
| Morphine | Morphine-D6 | 1.389 | 51300 | 111705 | 0.4592 | 10.5813 |
| Hydromorphone | Hydromorphone-D6 | 2.071 | 188797 | 793831 | 0.2378 | 9.5884 |
| Codeine | Codeine-D6 | 4.037 | 26425 | 132307 | 0.1997 | 10.1694 |
| Oxycodone | Oxycodone-D6 | 4.393 | 234271 | 912641 | 0.2567 | 10.3387 |
| Amphetamine | Amphetamine-D11 | 4.427 | 383889 | 513330 | 0.7478 | 10.8789 |
| Hydrocodone | Hydrocodone-D6 | 4.678 | 82756 | 540329 | 0.1532 | 9.3575 |
| Norhydrocodone | Norhydrocodone-D3 | 4.741 | 7318 | 154784 | 0.0473 | 22.9064 |
| Methamphetamine | Methamphetamine-D11 | 4.784 | 195349 | 466163 | 0.4191 | 9.3452 |
| 6-MAM | 6-MAM-D6 | 4.912 | 2498 | 108744 | 0.0230 | 1.2477 |
| Phentermine | Phentermine-D5 | 5.610 | 96036 | 899027 | 0.1068 | 9.6168 |
| Dextrorphan | Dextrorphan-D3 | 6.067 | 124279 | 1111082 | 0.1119 | 9.8680 |
| Tramadol | Tramadol-13C-D3 | 6.207 | 727871 | 4078968 | 0.1784 | 9.8206 |
| 7-aminoclonazepam | 7-Aminoclonazepam-D4 | 6.219 | 187112 | 790113 | 0.2368 | 9.8265 |
| Metoprolol | Oxycodone-D6 | 6.305 | 72085 | 912641 | 0.0790 | 10.0761 |
| Doxylamine | Doxylamine-D5 | 6.526 | 383754 | 2794980 | 0.1373 | 9.1289 |
| Bupropion | Bupropion-D9 | 6.775 | 117039 | 431157 | 0.2715 | 9.0526 |
| Zolpidem | Zolpidem-D6 | 6.865 | 733623 | 4160860 | 0.1763 | 10.5581 |
| Meprobamate | Meprobamate-D7 | 6.918 | 87165 | 362591 | 0.2404 | 10.8801 |
| Venlafaxine | Venlafaxine-D6 | 7.030 | 686096 | 2645019 | 0.2594 | 9.7591 |
| Trazodone | Trazodone-D6 | 7.080 | 220817 | 673482 | 0.3279 | 10.3601 |

Compound not detected. Outside curve. Pocatello TS

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

TS
a QC 10 (QC1)

| Compound | ISTD Compound | RT | Response | ISTD Resp | Resp Ratio | Final Conc |
|---------------------|------------------------|-------|----------|-----------|------------|------------|
| Citalopram | Citalopram-D6 | 7.163 | 219308 | 1002894 | 0.2187 | 9.9882 |
| Dextromethorphan | Dextromethorphan-D3 | 7.194 | 75889 | 265405 | 0.2859 | 12.1366 |
| Diphenhydramine | Diphenhydramine-D3 | 7.218 | 413873 | 1905114 | 0.2172 | 11.0190 |
| Promethazine | Promethazine-D3 | 7.413 | 212917 | 748160 | 0.2846 | 9.6186 |
| Clonazepam | Clonazepam-D4 | 7.469 | 258409 | 225790 | 1.1445 | 10.5605 |
| a-hydroxyalprazolam | a-hydroxyalprazolam-D5 | 7.545 | 48350 | 278481 | 0.1736 | 9.3973 |
| Carisoprodol | Carisoprodol-D7 | 7.558 | 233238 | 954225 | 0.2444 | 10.1737 |
| Lorazepam | Clonazepam-D4 | 7.587 | 117498 | 225790 | 0.5204 | 11.5678 |
| Alprazolam | Alprazolam-D5 | 7.612 | 479526 | 1721588 | 0.2785 | 9.3927 |

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ISP FORENSICS - Pocatello Instrument # 59740

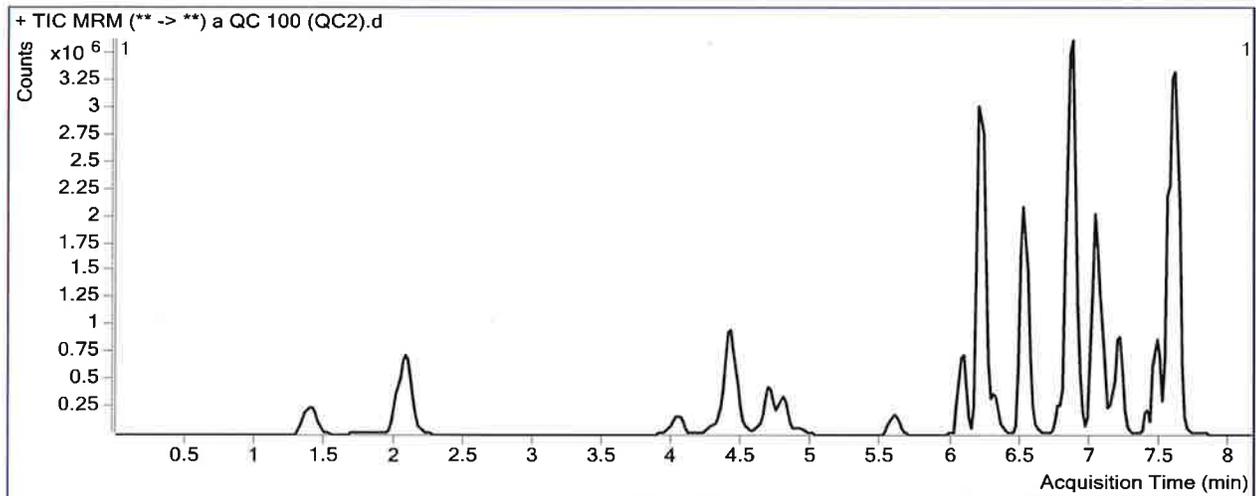
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wk1st 2904 TS\QuantResults\P1a MDQ 012819.batch.bin
Analysis Time 1/29/2019 3:38 PM **Analyst Name** datastor
Report Time 1/29/2019 3:48 PM **Reporter Name** datastor
Last Calib Update 1/29/2019 3:37 PM **Batch State** Processed

Analysis Info

Acq Time 2019-01-28 22:47 **Data File** a QC 100 (QC2).d
Sample Type QC **Sample Name** a QC 100 (QC2).d
Dilution 1 **Acq Method** MD Quant Panel 1a 7-11-18.m
Position P1-B2 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

| Compound | ISTD Compound | RT | Response | ISTD Resp | Resp Ratio | Final Conc |
|---------------------------|------------------------------|------------------|------------------|-------------------|-------------------|--------------------|
| Morphine | Morphine-D6 | 1.410 | 567293 | 114195 | 4.9678 | 100.0874 |
| Hydromorphone | Hydromorphone-D6 | 2.091 | 2093585 | 752993 | 2.7804 | 97.4726 |
| Codeine | Codeine-D6 | 4.037 | 274033 | 128599 | 2.1309 | 86.0083 |
| Oxycodone | Oxycodone-D6 | 4.413 | 2440141 | 821668 | 2.9697 | 93.9517 |
| Amphetamine | Amphetamine-D11 | 4.427 | 1339538 | 220328 | 6.0797 | 103.6606 |
| Hydrocodone | Hydrocodone-D6 | 4.698 | 854288 | 474277 | 1.8012 | 101.3435 |
| Norhydrocodone | Norhydrocodone-D3 | 4.741 | 64029 | 115533 | 0.5542 | 88.3699 |
| Methamphetamine | Methamphetamine-D11 | 4.784 | 1152447 | 262484 | 4.3905 | 95.5315 |
| 6-MAM | 6-MAM-D6 | 4.892 | 24942 | 99029 | 0.2519 | 8.7751 |
| Phentermine | Phentermine-D5 | 5.610 | 528871 | 462935 | 1.1424 | 97.3390 |
| Dextrorphan | Dextrorphan-D3 | 6.087 | 804613 | 647661 | 1.2423 | 90.2843 |
| Tramadol | Tramadol-13C-D3 | 6.207 | 5959427 | 3103378 | 1.9203 | 100.9405 |
| 7-aminoclonazepam | 7-Aminoclonazepam-D4 | 6.219 | 1660674 | 660403 | 2.5146 | 98.2608 |
| Metoprolol | Oxycodone-D6 | 6.325 | 511967 | 821668 | 0.6231 | 76.2656 |
| Doxylamine | Doxylamine-D5 | 6.526 | 2573646 | 1785198 | 1.4417 | 88.5098 |
| Bupropion | Bupropion-D9 | 6.795 | 454494 | 143173 | 3.1744 | 94.0259 |
| Zolpidem | Zolpidem-D6 | 6.865 | 7575595 | 4153314 | 1.8240 | 92.7509 |
| Meprobamate | Meprobamate-D7 | 6.918 | 897455 | 337938 | 2.6557 | 92.5514 |
| Venlafaxine | Venlafaxine-D6 | 7.030 | 4211480 | 1562593 | 2.6952 | 91.2396 |
| Trazodone | Trazodone-D6 | 7.080 | 1255171 | 376650 | 3.3325 | 94.2920 |

compound not evaluated. TS

TS

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report a QC 100 (QC2)

| Compound | ISTD Compound | RT | Response | ISTD Resp | Resp Ratio | Final Conc |
|---------------------|------------------------|-------|----------|-----------|------------|------------|
| Citalopram | Citalopram-D6 | 7.163 | 718777 | 349415 | 2.0571 | 82.9171 |
| Dextromethorphan | Dextromethorphan-D3 | 7.194 | 172792 | 59641 | 2.8972 | 115.8374 |
| Diphenhydramine | Diphenhydramine-D3 | 7.218 | 1182504 | 537025 | 2.2020 | 93.9930 |
| Promethazine | Promethazine-D3 | 7.413 | 459248 | 141154 | 3.2535 | 97.8699 |
| Clonazepam | Clonazepam-D4 | 7.469 | 2271646 | 190639 | 11.9160 | 104.1926 |
| a-hydroxyalprazolam | a-hydroxyalprazolam-D5 | 7.545 | 510474 | 242670 | 2.1036 | 99.4634 |
| Carisoprodol | Carisoprodol-D7 | 7.578 | 2330388 | 890139 | 2.6180 | 101.6243 |
| Lorazepam | Clonazepam-D4 | 7.587 | 813770 | 190639 | 4.2687 | 100.2653 |
| Alprazolam | Alprazolam-D5 | 7.612 | 4860965 | 1612121 | 3.0153 | 91.5952 |

TS

ISP FORENSICS - Pocatello Instrument # 59740

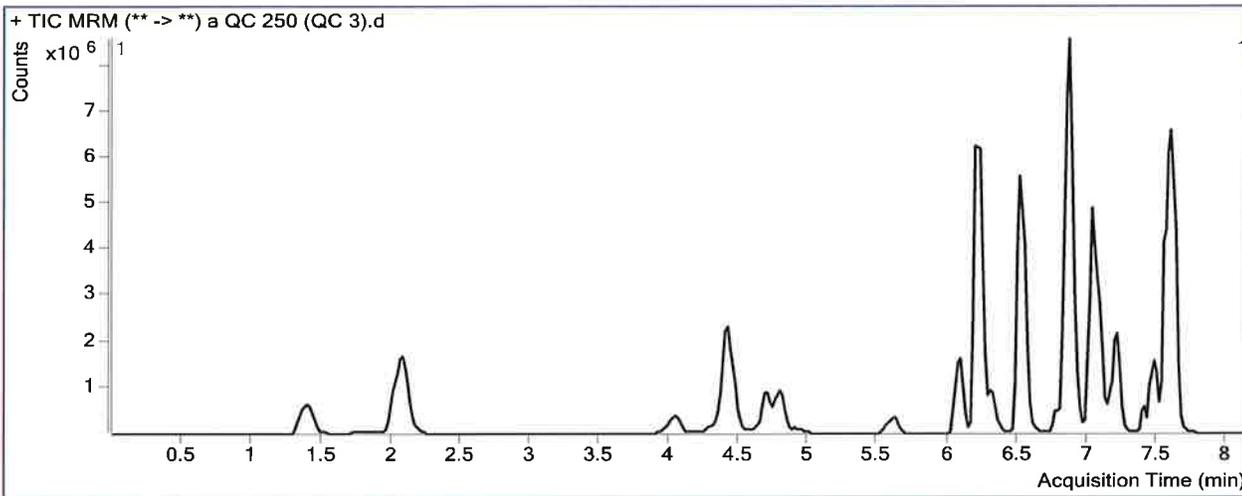
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wklst 2904 TS\QuantResults\P1a MDQ 012819.batch.bin
Analysis Time 1/29/2019 3:38 PM **Analyst Name** datastor
Report Time 1/29/2019 3:49 PM **Reporter Name** datastor
Last Calib Update 1/29/2019 3:37 PM **Batch State** Processed

Analysis Info

Acq Time 2019-01-29 01:24 **Data File** a QC 250 (QC 3).d
Sample Type QC **Sample Name** a QC 250 (QC 3).d
Dilution 1 **Acq Method** MD Quant Panel 1a 7-11-18.m
Position P1-C2 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

| Compound | ISTD Compound | RT | Response | ISTD Resp | Resp Ratio | Final Conc |
|---------------------------|------------------------------|------------------|-------------------|-------------------|-------------------|---------------------|
| Morphine | Morphine-D6 | 1.389 | 1507080 | 108376 | 13.9061 | 277.5374 |
| Hydromorphone | Hydromorphone-D6 | 2.071 | 5438605 | 725155 | 7.4999 | 260.6083 |
| Codeine | Codeine-D6 | 4.037 | 696852 | 115745 | 6.0206 | 238.7584 |
| Oxycodone | Oxycodone-D6 | 4.413 | 6362427 | 816773 | 7.7897 | 242.4979 |
| Amphetamine | Amphetamine-D11 | 4.427 | 3187042 | 227519 | 14.0078 | 241.6189 |
| Hydrocodone | Hydrocodone-D6 | 4.698 | 2217543 | 473348 | 4.6848 | 262.2861 |
| Norhydrocodone | Norhydrocodone-D3 | 4.741 | 166134 | 108322 | 1.5337 | 214.8601 |
| Methamphetamine | Methamphetamine-D11 | 4.784 | 3086763 | 288927 | 10.6836 | 232.0979 |
| 6-MAM | 6-MAM-D6 | 4.912 | 64677 | 104000 | 0.6219 | 20.9438 |
| Phentermine | Phentermine-D5 | 5.610 | 1391906 | 471083 | 2.9547 | 250.8484 |
| Dextrorphan | Dextrorphan-D3 | 6.087 | 2109949 | 638775 | 3.3031 | 236.8767 |
| Tramadol | Tramadol-13C-D3 | 6.207 | 16327941 | 3262192 | 5.0052 | 262.3174 |
| 7-aminoclonazepam | 7-Aminoclonazepam-D4 | 6.219 | 3800663 | 562411 | 6.7578 | 262.9977 |
| Metoprolol | Oxycodone-D6 | 6.325 | 1327803 | 816773 | 1.6257 | 198.2306 |
| Doxylamine | Doxylamine-D5 | 6.526 | 7521505 | 1812061 | 4.1508 | 253.3833 |
| Bupropion | Bupropion-D9 | 6.795 | 931880 | 116211 | 8.0189 | 235.8281 |
| Zolpidem | Zolpidem-D6 | 6.865 | 20409006 | 4058435 | 5.0288 | 252.6197 |
| Meprobamate | Meprobamate-D7 | 6.918 | 2020382 | 282657 | 7.1478 | 244.4506 |
| Venlafaxine | Venlafaxine-D6 | 7.030 | 11827302 | 1650353 | 7.1665 | 240.8118 |
| Trazodone | Trazodone-D6 | 7.080 | 3787819 | 461190 | 8.2131 | 230.6318 |

compound not evaluated. -TS

ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

TS

a QC 250 (GC3)

| Compound | ISTD Compound | RT | Response | ISTD Resp | Resp Ratio | Final Conc |
|---------------------|------------------------|-------|----------|-----------|------------|------------|
| Citalopram | Citalopram-D6 | 7.163 | 2035248 | 350767 | 5.8023 | 231.4874 |
| Dextromethorphan | Dextromethorphan-D3 | 7.195 | 487879 | 71968 | 6.7791 | 269.9976 |
| Diphenhydramine | Diphenhydramine-D3 | 7.218 | 3261684 | 610752 | 5.3404 | 225.2021 |
| Promethazine | Promethazine-D3 | 7.413 | 1337805 | 165984 | 8.0598 | 240.7379 |
| Clonazepam | Clonazepam-D4 | 7.469 | 4385158 | 140479 | 31.2157 | 271.9569 |
| a-hydroxyalprazolam | a-hydroxyalprazolam-D5 | 7.545 | 1050071 | 204765 | 5.1282 | 240.6143 |
| Carisoprodol | Carisoprodol-D7 | 7.578 | 5181340 | 715970 | 7.2368 | 279.5803 |
| Lorazepam | Clonazepam-D4 | 7.587 | 1199537 | 140479 | 8.5389 | 201.3146 |
| Alprazolam | Alprazolam-D5 | 7.612 | 11123024 | 1366451 | 8.1401 | 245.5286 |

TS

ISP FORENSICS - Pocatello Instrument # 59740

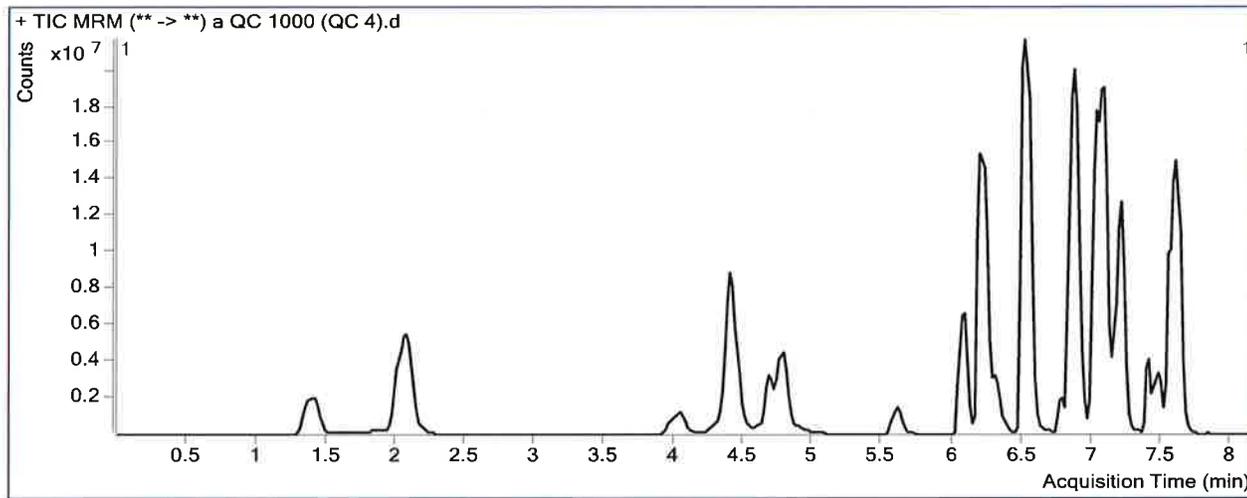
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wk1st 2904 TS\QuantResults\P1a MDQ 012819.batch.bin
Analysis Time 1/29/2019 3:38 PM **Analyst Name** datastor
Report Time 1/29/2019 3:49 PM **Reporter Name** datastor
Last Calib Update 1/29/2019 3:37 PM **Batch State** Processed

Analysis Info

Acq Time 2019-01-29 04:49 **Data File** a QC 1000 (QC 4).d
Sample Type QC **Sample Name** a QC 1000 (QC 4).d
Dilution 1 **Acq Method** MD Quant Panel 1a 7-11-18.m
Position P1-D2 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

| Compound | ISTD Compound | RT | Response | ISTD Resp | Resp Ratio | Final Conc |
|-------------------|----------------------|-------|----------|-----------|------------|------------|
| Morphine | Morphine-D6 | 1.389 | 5453198 | 92602 | 58.8886 | 1170.5628 |
| Hydromorphone | Hydromorphone-D6 | 2.071 | 19938592 | 633877 | 31.4550 | 1088.6335 |
| Codeine | Codeine-D6 | 4.037 | 2431981 | 100460 | 24.2084 | 953.0043 |
| Oxycodone | Oxycodone-D6 | 4.393 | 26213481 | 773456 | 33.8913 | 1046.9212 |
| Amphetamine | Amphetamine-D11 | 4.407 | 12465615 | 271563 | 45.9032 | 796.6387 |
| Hydrocodone | Hydrocodone-D6 | 4.678 | 8581814 | 462504 | 18.5551 | 1036.4415 |
| Norhydrocodone | Norhydrocodone-D3 | 4.721 | 682350 | 83507 | 8.1711 | 1072.0026 |
| Methamphetamine | Methamphetamine-D11 | 4.784 | 15826914 | 329924 | 47.9714 | 1041.2918 |
| 6-MAM | 6-MAM-D6 | 4.892 | 285428 | 99077 | 2.8809 | 95.2320 |
| Phentermine | Phentermine-D5 | 5.610 | 6528116 | 573175 | 11.3894 | 965.3178 |
| Dextrophan | Dextrophan-D3 | 6.087 | 9602898 | 683144 | 14.0569 | 1001.8421 |
| Tramadol | Tramadol-13C-D3 | 6.207 | 56411957 | 3113637 | 18.1177 | 948.2568 |
| 7-aminoclonazepam | 7-Aminoclonazepam-D4 | 6.219 | 8774365 | 329889 | 26.5980 | 1033.2738 |
| Metoprolol | Oxycodone-D6 | 6.325 | 4852333 | 773456 | 6.2736 | 763.6485 |
| Doxylamine | Doxylamine-D5 | 6.526 | 39840877 | 2380256 | 16.7381 | 1019.4220 |
| Bupropion | Bupropion-D9 | 6.795 | 3585868 | 106381 | 33.7077 | 987.7656 |
| Zolpidem | Zolpidem-D6 | 6.865 | 60070209 | 3414968 | 17.5903 | 879.2389 |
| Meprobamate | Meprobamate-D7 | 6.938 | 5708990 | 167717 | 34.0395 | 1153.7753 |
| Venlafaxine | Venlafaxine-D6 | 7.030 | 53236916 | 1822891 | 29.2047 | 978.0161 |
| Trazodone | Trazodone-D6 | 7.080 | 27480205 | 686062 | 40.0550 | 1120.1191 |

compound not
calculated
- TS

outside curve
range. TS

TS

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

a QC 1000 (QC4)

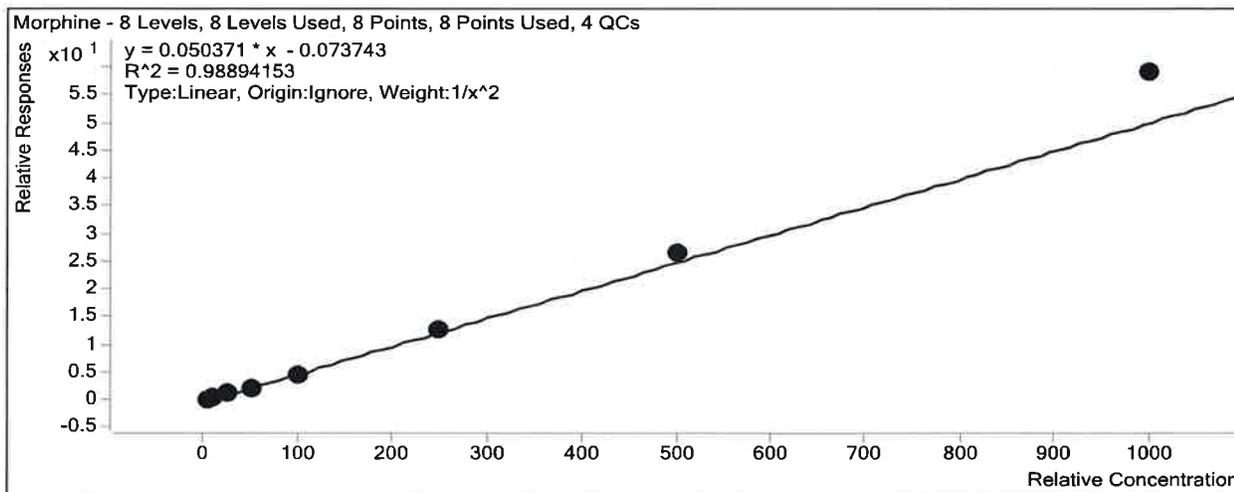
| Compound | ISTD Compound | RT | Response | ISTD Resp | Resp Ratio | Final Conc |
|---------------------|------------------------|-------|----------|-----------|------------|------------|
| Citalopram | Citalopram-D6 | 7.163 | 12447226 | 485265 | 25.6504 | 1018.8527 |
| Dextromethorphan | Dextromethorphan-D3 | 7.194 | 3328509 | 114661 | 29.0292 | 1153.6098 |
| Diphenhydramine | Diphenhydramine-D3 | 7.218 | 22481249 | 893468 | 25.1618 | 1053.8653 |
| Promethazine | Promethazine-D3 | 7.413 | 10536904 | 296712 | 35.5122 | 1056.7582 |
| Clonazepam | Clonazepam-D4 | 7.469 | 9270436 | 78587 | 117.9635 | 1026.0185 |
| a-hydroxyalprazolam | a-hydroxyalprazolam-D5 | 7.545 | 2828141 | 119806 | 23.6061 | 1102.9350 |
| Carisoprodol | Carisoprodol-D7 | 7.558 | 12011227 | 392993 | 30.5635 | 1178.3234 |
| Lorazepam | Clonazepam-D4 | 7.587 | 3308434 | 78587 | 42.0988 | 995.4633 |
| Alprazolam | Alprazolam-D5 | 7.612 | 28958388 | 767955 | 37.7085 | 1133.6694 |

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wk1st 2904 TS\QuantResults\P1a MDQ 012819.batch.bin
Last Calib Update 1/29/2019 3:37 PM **Analyst Name** ISP TOX

Target Compound *Morphine*
Internal Standard *Morphine-D6*



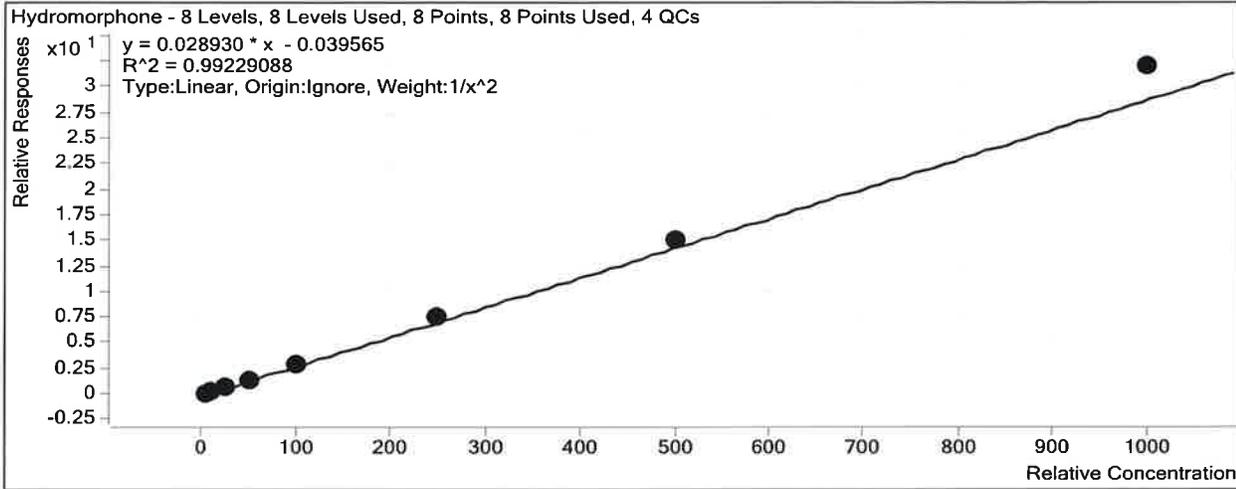
| Sample | Level | Enabled | Exp Conc | Final Conc | Accuracy |
|--------------------|-------|-------------------------------------|----------|------------|----------|
| a cal 1-5ng.d | 1 | <input checked="" type="checkbox"/> | 5 | 5.2 | 104.9 |
| a cal 2-10ng.d | 2 | <input checked="" type="checkbox"/> | 10 | 9.6 | 96.1 |
| a QC 10 (QC1).d | 2 | <input checked="" type="checkbox"/> | 10 | 10.6 | 105.8 |
| a cal 3-25ng.d | 3 | <input checked="" type="checkbox"/> | 25 | 22.6 | 90.3 |
| a cal 4-50ng.d | 4 | <input checked="" type="checkbox"/> | 50 | 46.1 | 92.3 |
| a cal 5-100ng.d | 5 | <input checked="" type="checkbox"/> | 100 | 92.9 | 92.9 |
| a QC 100 (QC2).d | 5 | <input checked="" type="checkbox"/> | 100 | 100.1 | 100.1 |
| a cal 6-250ng.d | 6 | <input checked="" type="checkbox"/> | 250 | 249.2 | 99.7 |
| a QC 250 (QC 3).d | 6 | <input checked="" type="checkbox"/> | 250 | 277.5 | 111.0 |
| a cal 7-500ng.d | 7 | <input checked="" type="checkbox"/> | 500 | 532.3 | 106.5 |
| a cal 8-1000ng.d | 8 | <input checked="" type="checkbox"/> | 1000 | 1174.3 | 117.4 |
| a QC 1000 (QC 4).d | 8 | <input checked="" type="checkbox"/> | 1000 | 1170.6 | 117.1 |

TS

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wk1st 2904 TS\QuantResults\P1a MDQ 012819.batch.bin
Last Calib Update 1/29/2019 3:37 PM **Analyst Name** ISP TOX

Target Compound Hydromorphone
Internal Standard Hydromorphone-D6



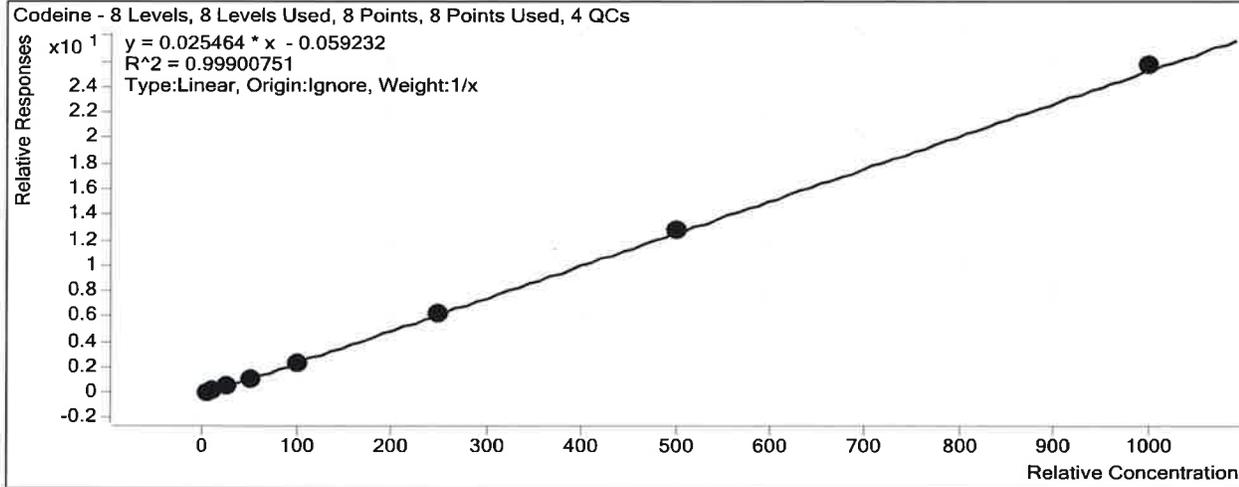
| Sample | Level | Enabled | Exp Conc | Final Conc | Accuracy |
|--------------------|-------|-------------------------------------|----------|------------|----------|
| a cal 1-5ng.d | 1 | <input checked="" type="checkbox"/> | 5 | 5.3 | 106.3 |
| a cal 2-10ng.d | 2 | <input checked="" type="checkbox"/> | 10 | 9.3 | 92.7 |
| a QC 10 (QC1).d | 2 | <input checked="" type="checkbox"/> | 10 | 9.6 | 95.9 |
| a cal 3-25ng.d | 3 | <input checked="" type="checkbox"/> | 25 | 22.3 | 89.4 |
| a cal 4-50ng.d | 4 | <input checked="" type="checkbox"/> | 50 | 46.4 | 92.8 |
| a cal 5-100ng.d | 5 | <input checked="" type="checkbox"/> | 100 | 99.6 | 99.6 |
| a QC 100 (QC2).d | 5 | <input checked="" type="checkbox"/> | 100 | 97.5 | 97.5 |
| a cal 6-250ng.d | 6 | <input checked="" type="checkbox"/> | 250 | 259.0 | 103.6 |
| a QC 250 (QC 3).d | 6 | <input checked="" type="checkbox"/> | 250 | 260.6 | 104.2 |
| a cal 7-500ng.d | 7 | <input checked="" type="checkbox"/> | 500 | 524.2 | 104.8 |
| a cal 8-1000ng.d | 8 | <input checked="" type="checkbox"/> | 1000 | 1107.6 | 110.8 |
| a QC 1000 (QC 4).d | 8 | <input checked="" type="checkbox"/> | 1000 | 1088.6 | 108.9 |

TS

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wklist 2904 TS\QuantResults\P1a MDQ 012819.batch.bin
Last Calib Update 1/29/2019 3:37 PM **Analyst Name** ISP TOX

Target Compound Codeine
Internal Standard Codeine-D6



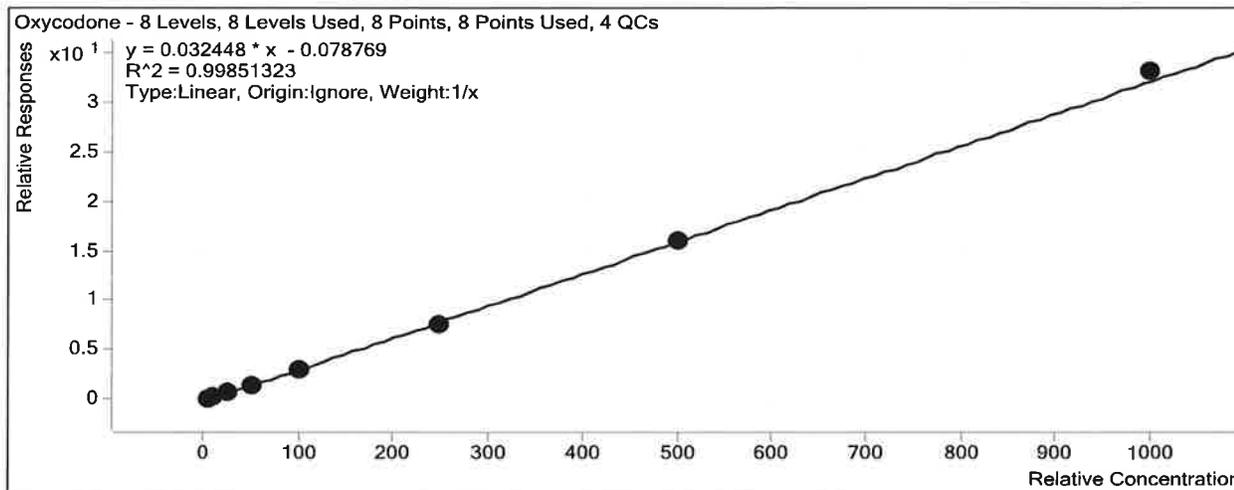
| Sample | Level | Enabled | Exp Conc | Final Conc | Accuracy |
|--------------------|-------|-------------------------------------|----------|------------|----------|
| a cal 1-5ng.d | 1 | <input checked="" type="checkbox"/> | 5 | 6.2 | 124.4 |
| a cal 2-10ng.d | 2 | <input checked="" type="checkbox"/> | 10 | 9.9 | 99.4 |
| a QC 10 (QC1).d | 2 | <input checked="" type="checkbox"/> | 10 | 10.2 | 101.7 |
| a cal 3-25ng.d | 3 | <input checked="" type="checkbox"/> | 25 | 23.5 | 94.1 |
| a cal 4-50ng.d | 4 | <input checked="" type="checkbox"/> | 50 | 43.7 | 87.4 |
| a cal 5-100ng.d | 5 | <input checked="" type="checkbox"/> | 100 | 93.7 | 93.7 |
| a QC 100 (QC2).d | 5 | <input checked="" type="checkbox"/> | 100 | 86.0 | 86.0 |
| a cal 6-250ng.d | 6 | <input checked="" type="checkbox"/> | 250 | 247.5 | 99.0 |
| a QC 250 (QC 3).d | 6 | <input checked="" type="checkbox"/> | 250 | 238.8 | 95.5 |
| a cal 7-500ng.d | 7 | <input checked="" type="checkbox"/> | 500 | 504.5 | 100.9 |
| a cal 8-1000ng.d | 8 | <input checked="" type="checkbox"/> | 1000 | 1010.9 | 101.1 |
| a QC 1000 (QC 4).d | 8 | <input checked="" type="checkbox"/> | 1000 | 953.0 | 95.3 |

TS

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wklst 2904 TS\QuantResults\P1a MDQ 012819.batch.bin
Last Calib Update 1/29/2019 3:37 PM **Analyst Name** ISP TOX

Target Compound Oxycodone
Internal Standard Oxycodone-D6



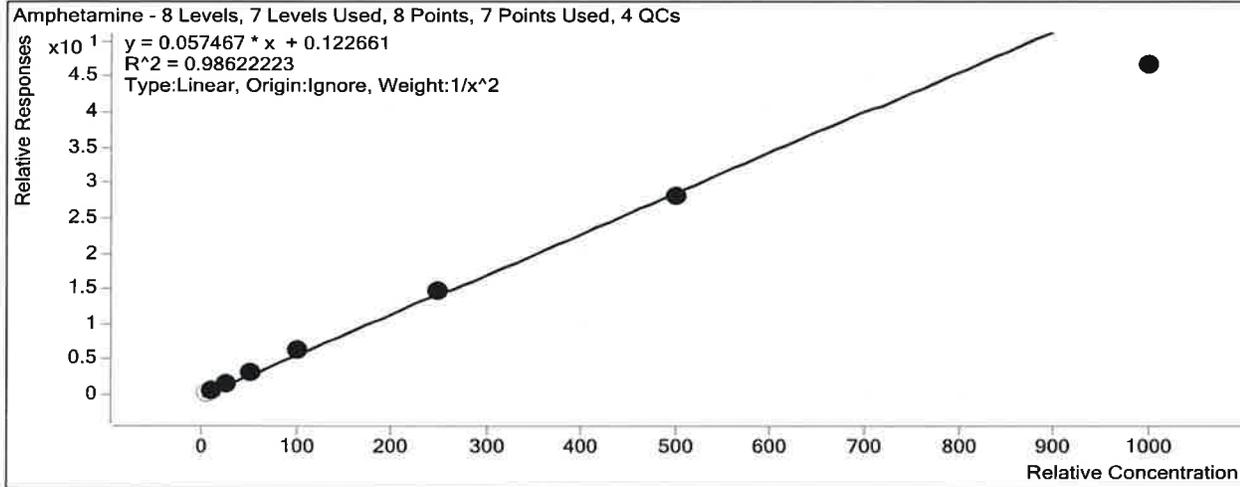
| Sample | Level | Enabled | Exp Conc | Final Conc | Accuracy |
|--------------------|-------|-------------------------------------|----------|------------|----------|
| a cal 1-5ng.d | 1 | <input checked="" type="checkbox"/> | 5 | 6.3 | 125.5 |
| a cal 2-10ng.d | 2 | <input checked="" type="checkbox"/> | 10 | 10.3 | 102.8 |
| a QC 10 (QC1).d | 2 | <input checked="" type="checkbox"/> | 10 | 10.3 | 103.4 |
| a cal 3-25ng.d | 3 | <input checked="" type="checkbox"/> | 25 | 22.5 | 89.8 |
| a cal 4-50ng.d | 4 | <input checked="" type="checkbox"/> | 50 | 45.8 | 91.6 |
| a cal 5-100ng.d | 5 | <input checked="" type="checkbox"/> | 100 | 92.5 | 92.5 |
| a QC 100 (QC2).d | 5 | <input checked="" type="checkbox"/> | 100 | 94.0 | 94.0 |
| a cal 6-250ng.d | 6 | <input checked="" type="checkbox"/> | 250 | 238.6 | 95.4 |
| a QC 250 (QC 3).d | 6 | <input checked="" type="checkbox"/> | 250 | 242.5 | 97.0 |
| a cal 7-500ng.d | 7 | <input checked="" type="checkbox"/> | 500 | 499.7 | 99.9 |
| a cal 8-1000ng.d | 8 | <input checked="" type="checkbox"/> | 1000 | 1024.5 | 102.4 |
| a QC 1000 (QC 4).d | 8 | <input checked="" type="checkbox"/> | 1000 | 1046.9 | 104.7 |

TS

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wklst 2904 TS\QuantResults\P1a MDQ 012819.batch.bin
Last Calib Update 1/29/2019 3:37 PM **Analyst Name** ISP TOX

Target Compound Amphetamine
Internal Standard Amphetamine-D11



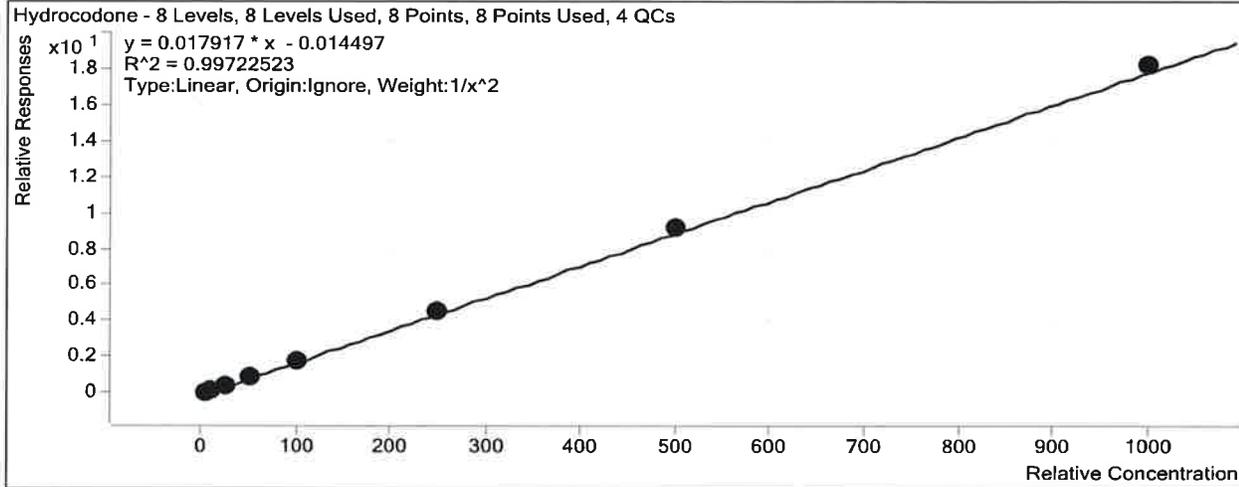
| Sample | Level | Enabled | Exp Conc | Final Conc | Accuracy |
|--------------------|-------|-------------------------------------|----------|------------|----------|
| a cal 1-5ng.d | 1 | <input type="checkbox"/> | 5 | 5.3 | 106.6 |
| a cal 2-10ng.d | 2 | <input checked="" type="checkbox"/> | 10 | 9.5 | 95.3 |
| a QC 10 (QC1).d | 2 | <input checked="" type="checkbox"/> | 10 | 10.9 | 108.8 |
| a cal 3-25ng.d | 3 | <input checked="" type="checkbox"/> | 25 | 26.3 | 105.1 |
| a cal 4-50ng.d | 4 | <input checked="" type="checkbox"/> | 50 | 54.3 | 108.7 |
| a cal 5-100ng.d | 5 | <input checked="" type="checkbox"/> | 100 | 110.9 | 110.9 |
| a QC 100 (QC2).d | 5 | <input checked="" type="checkbox"/> | 100 | 103.7 | 103.7 |
| a cal 6-250ng.d | 6 | <input checked="" type="checkbox"/> | 250 | 254.3 | 101.7 |
| a QC 250 (QC 3).d | 6 | <input checked="" type="checkbox"/> | 250 | 241.6 | 96.6 |
| a cal 7-500ng.d | 7 | <input checked="" type="checkbox"/> | 500 | 486.7 | 97.3 |
| a cal 8-1000ng.d | 8 | <input checked="" type="checkbox"/> | 1000 | 809.2 | 80.9 |
| a QC 1000 (QC 4).d | 8 | <input type="checkbox"/> | 1000 | 796.6 | 79.7 |

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wklst 2904 TS\QuantResults\P1a MDQ 012819.batch.bin
Last Calib Update 1/29/2019 3:37 PM **Analyst Name** ISP TOX

Target Compound Hydrocodone
Internal Standard Hydrocodone-D6



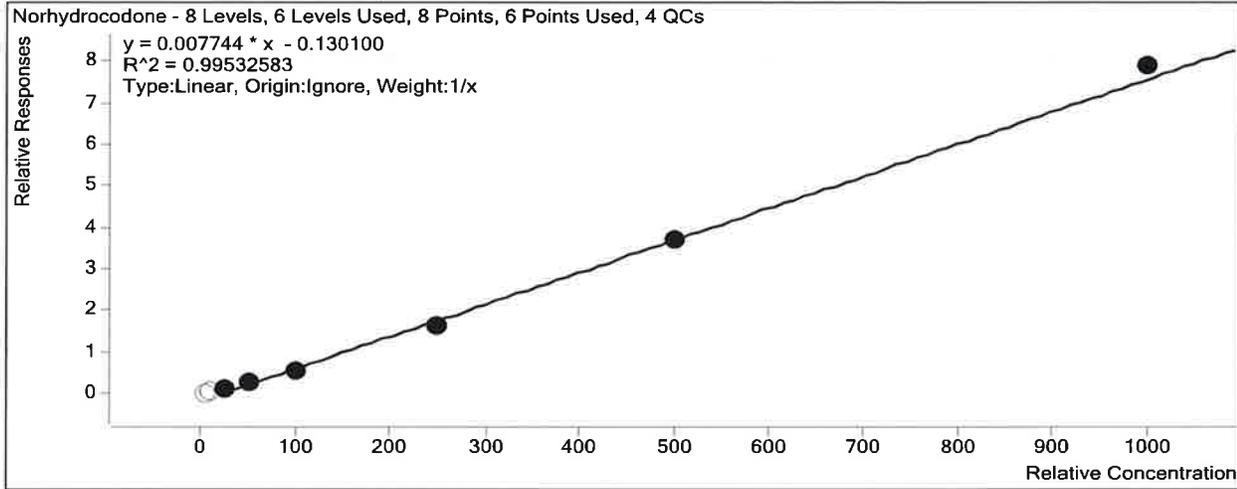
| Sample | Level | Enabled | Exp Conc | Final Conc | Accuracy |
|--------------------|-------|-------------------------------------|----------|------------|----------|
| a cal 1-5ng.d | 1 | <input checked="" type="checkbox"/> | 5 | 5.2 | 104.7 |
| a cal 2-10ng.d | 2 | <input checked="" type="checkbox"/> | 10 | 9.3 | 93.1 |
| a QC 10 (QC1).d | 2 | <input checked="" type="checkbox"/> | 10 | 9.4 | 93.6 |
| a cal 3-25ng.d | 3 | <input checked="" type="checkbox"/> | 25 | 23.2 | 92.7 |
| a cal 4-50ng.d | 4 | <input checked="" type="checkbox"/> | 50 | 49.9 | 99.9 |
| a cal 5-100ng.d | 5 | <input checked="" type="checkbox"/> | 100 | 101.8 | 101.8 |
| a QC 100 (QC2).d | 5 | <input checked="" type="checkbox"/> | 100 | 101.3 | 101.3 |
| a cal 6-250ng.d | 6 | <input checked="" type="checkbox"/> | 250 | 258.2 | 103.3 |
| a QC 250 (QC 3).d | 6 | <input checked="" type="checkbox"/> | 250 | 262.3 | 104.9 |
| a cal 7-500ng.d | 7 | <input checked="" type="checkbox"/> | 500 | 514.3 | 102.9 |
| a cal 8-1000ng.d | 8 | <input checked="" type="checkbox"/> | 1000 | 1016.5 | 101.7 |
| a QC 1000 (QC 4).d | 8 | <input checked="" type="checkbox"/> | 1000 | 1036.4 | 103.6 |

TS

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wk1st 2904 TS\QuantResults\P1a MDQ 012819.batch.bin
Last Calib Update 1/29/2019 3:37 PM **Analyst Name** ISP TOX

Target Compound Norhydrocodone
Internal Standard Norhydrocodone-D3



| Sample | Level | Enabled | Exp Conc | Final Conc | Accuracy |
|--------------------|-------|-------------------------------------|----------|------------|----------|
| a cal 1-5ng.d | 1 | <input type="checkbox"/> | 5 | 19.2 | 384.7 |
| a cal 2-10ng.d | 2 | <input type="checkbox"/> | 10 | 22.0 | 220.2 |
| a QC 10 (QC1).d | 2 | <input type="checkbox"/> | 10 | 22.9 | 229.1 |
| a cal 3-25ng.d | 3 | <input checked="" type="checkbox"/> | 25 | 30.5 | 122.0 |
| a cal 4-50ng.d | 4 | <input checked="" type="checkbox"/> | 50 | 49.8 | 99.6 |
| a cal 5-100ng.d | 5 | <input checked="" type="checkbox"/> | 100 | 84.0 | 84.0 |
| a QC 100 (QC2).d | 5 | <input checked="" type="checkbox"/> | 100 | 88.4 | 88.4 |
| a cal 6-250ng.d | 6 | <input checked="" type="checkbox"/> | 250 | 228.3 | 91.3 |
| a QC 250 (QC 3).d | 6 | <input checked="" type="checkbox"/> | 250 | 214.9 | 85.9 |
| a cal 7-500ng.d | 7 | <input checked="" type="checkbox"/> | 500 | 497.7 | 99.5 |
| a cal 8-1000ng.d | 8 | <input checked="" type="checkbox"/> | 1000 | 1034.6 | 103.5 |
| a QC 1000 (QC 4).d | 8 | <input checked="" type="checkbox"/> | 1000 | 1072.0 | 107.2 |

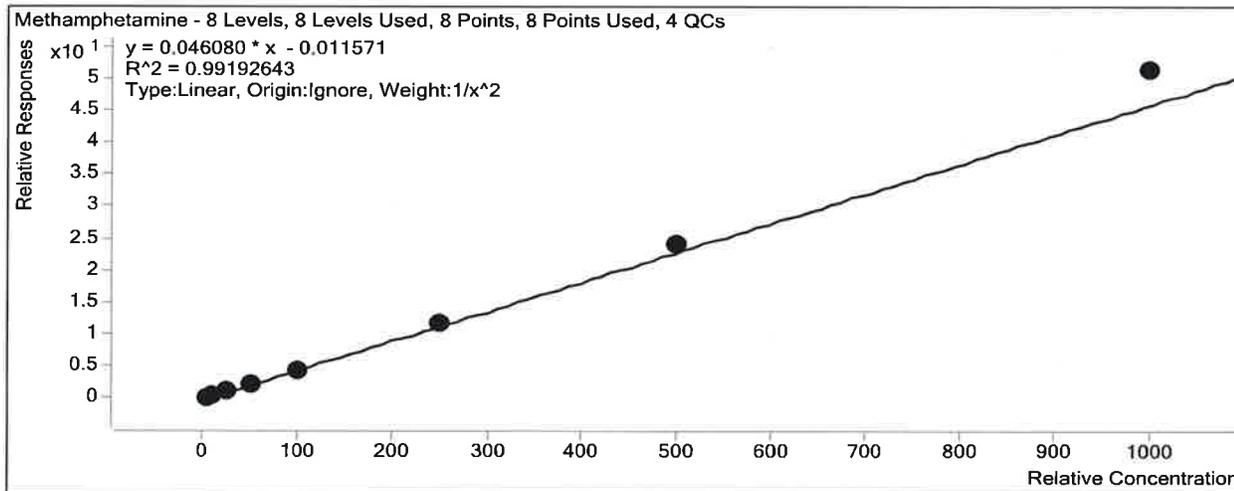
*Compound not evaluated. - TS

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ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wk1st 2904 TS\QuantResults\P1a MDQ 012819.batch.bin
Last Calib Update 1/29/2019 3:37 PM **Analyst Name** ISP TOX

Target Compound *Methamphetamine*
Internal Standard *Methamphetamine-D11*



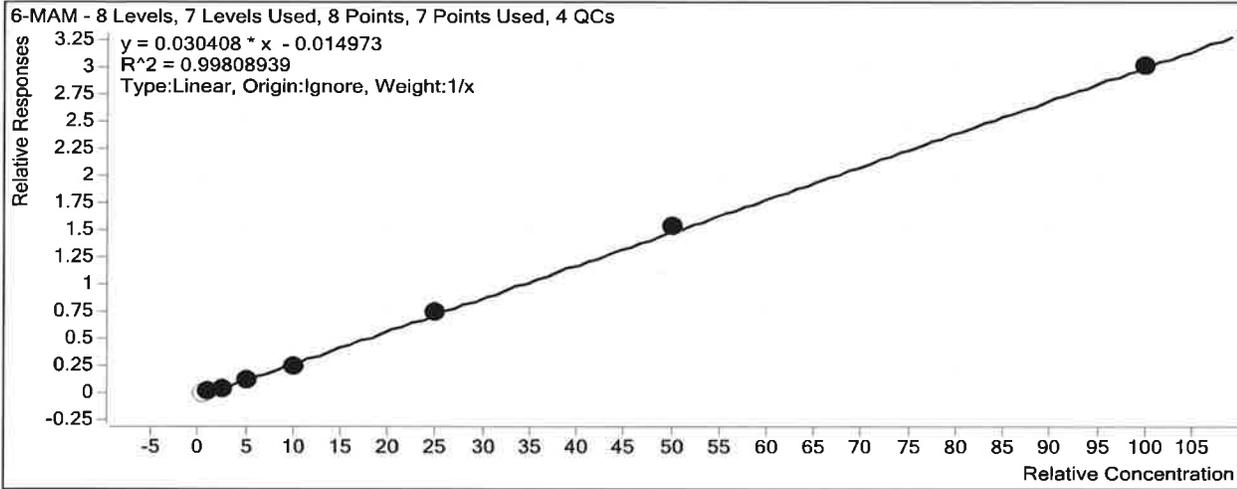
| Sample | Level | Enabled | Exp Conc | Final Conc | Accuracy |
|--------------------|-------|-------------------------------------|----------|------------|----------|
| a cal 1-5ng.d | 1 | <input checked="" type="checkbox"/> | 5 | 5.3 | 106.7 |
| a cal 2-10ng.d | 2 | <input checked="" type="checkbox"/> | 10 | 9.1 | 91.4 |
| a QC 10 (QC1).d | 2 | <input checked="" type="checkbox"/> | 10 | 9.3 | 93.5 |
| a cal 3-25ng.d | 3 | <input checked="" type="checkbox"/> | 25 | 22.2 | 88.8 |
| a cal 4-50ng.d | 4 | <input checked="" type="checkbox"/> | 50 | 49.8 | 99.6 |
| a cal 5-100ng.d | 5 | <input checked="" type="checkbox"/> | 100 | 94.8 | 94.8 |
| a QC 100 (QC2).d | 5 | <input checked="" type="checkbox"/> | 100 | 95.5 | 95.5 |
| a cal 6-250ng.d | 6 | <input checked="" type="checkbox"/> | 250 | 256.9 | 102.8 |
| a QC 250 (QC 3).d | 6 | <input checked="" type="checkbox"/> | 250 | 232.1 | 92.8 |
| a cal 7-500ng.d | 7 | <input checked="" type="checkbox"/> | 500 | 524.6 | 104.9 |
| a cal 8-1000ng.d | 8 | <input checked="" type="checkbox"/> | 1000 | 1111.4 | 111.1 |
| a QC 1000 (QC 4).d | 8 | <input checked="" type="checkbox"/> | 1000 | 1041.3 | 104.1 |

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wk1st 2904 TS\QuantResults\P1a MDQ 012819.batch.bin

Last Calib Update 1/29/2019 3:37 PM **Analyst Name** ISP TOX

Target Compound 6-MAM
Internal Standard 6-MAM-D6



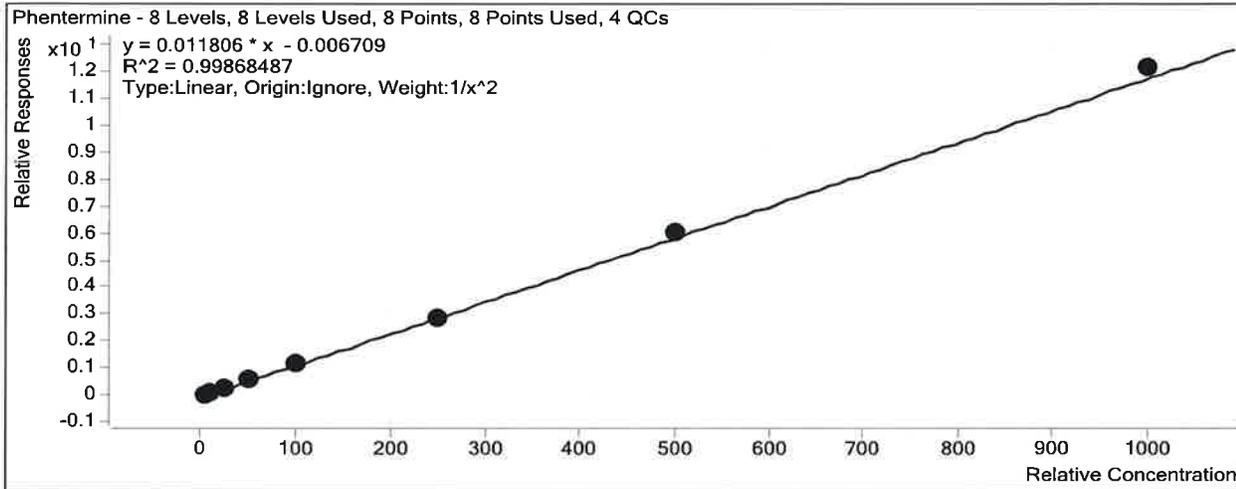
| Sample | Level | Enabled | Exp Conc | Final Conc | Accuracy |
|--------------------|-------|-------------------------------------|----------|------------|----------|
| a cal 1-5ng.d | 1 | <input type="checkbox"/> | 0.5 | 0.9 | 182.5 |
| a cal 2-10ng.d | 2 | <input checked="" type="checkbox"/> | 1 | 1.3 | 129.8 |
| a QC 10 (QC1).d | 2 | <input checked="" type="checkbox"/> | 1 | 1.2 | 124.8 |
| a cal 3-25ng.d | 3 | <input checked="" type="checkbox"/> | 2.5 | 2.1 | 84.6 |
| a cal 4-50ng.d | 4 | <input checked="" type="checkbox"/> | 5 | 4.6 | 91.2 |
| a cal 5-100ng.d | 5 | <input checked="" type="checkbox"/> | 10 | 9.1 | 90.6 |
| a QC 100 (QC2).d | 5 | <input checked="" type="checkbox"/> | 10 | 8.8 | 87.8 |
| a cal 6-250ng.d | 6 | <input checked="" type="checkbox"/> | 25 | 25.3 | 101.2 |
| a QC 250 (QC 3).d | 6 | <input checked="" type="checkbox"/> | 25 | 20.9 | 83.8 |
| a cal 7-500ng.d | 7 | <input checked="" type="checkbox"/> | 50 | 51.4 | 102.8 |
| a cal 8-1000ng.d | 8 | <input checked="" type="checkbox"/> | 100 | 99.8 | 99.8 |
| a QC 1000 (QC 4).d | 8 | <input checked="" type="checkbox"/> | 100 | 95.2 | 95.2 |

TS

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wk1st 2904 TS\QuantResults\P1a MDQ 012819.batch.bin
Last Calib Update 1/29/2019 3:37 PM **Analyst Name** ISP TOX

Target Compound Phentermine
Internal Standard Phentermine-D5



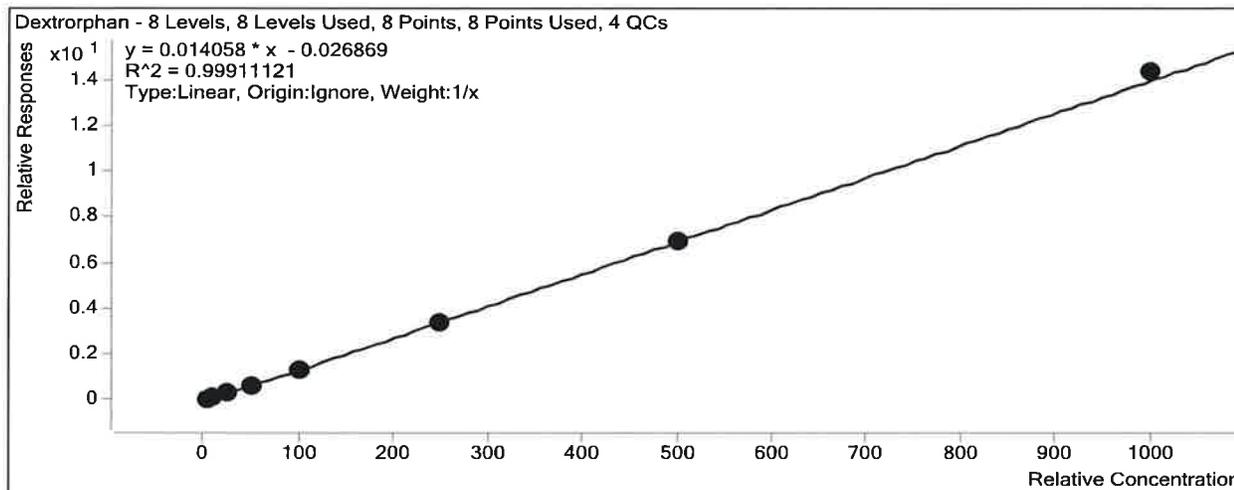
| Sample | Level | Enabled | Exp Conc | Final Conc | Accuracy |
|--------------------|-------|-------------------------------------|----------|------------|----------|
| a cal 1-5ng.d | 1 | <input checked="" type="checkbox"/> | 5 | 5.1 | 102.9 |
| a cal 2-10ng.d | 2 | <input checked="" type="checkbox"/> | 10 | 9.5 | 94.9 |
| a QC 10 (QC1).d | 2 | <input checked="" type="checkbox"/> | 10 | 9.6 | 96.2 |
| a cal 3-25ng.d | 3 | <input checked="" type="checkbox"/> | 25 | 24.3 | 97.1 |
| a cal 4-50ng.d | 4 | <input checked="" type="checkbox"/> | 50 | 51.4 | 102.8 |
| a cal 5-100ng.d | 5 | <input checked="" type="checkbox"/> | 100 | 99.1 | 99.1 |
| a QC 100 (QC2).d | 5 | <input checked="" type="checkbox"/> | 100 | 97.3 | 97.3 |
| a cal 6-250ng.d | 6 | <input checked="" type="checkbox"/> | 250 | 245.0 | 98.0 |
| a QC 250 (QC 3).d | 6 | <input checked="" type="checkbox"/> | 250 | 250.8 | 100.3 |
| a cal 7-500ng.d | 7 | <input checked="" type="checkbox"/> | 500 | 512.2 | 102.4 |
| a cal 8-1000ng.d | 8 | <input checked="" type="checkbox"/> | 1000 | 1028.0 | 102.8 |
| a QC 1000 (QC 4).d | 8 | <input checked="" type="checkbox"/> | 1000 | 965.3 | 96.5 |

TS

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wk1st 2904 TS\QuantResults\P1a MDQ 012819.batch.bin
Last Calib Update 1/29/2019 3:37 PM **Analyst Name** ISP TOX

Target Compound *Dextrorphan*
Internal Standard *Dextrorphan-D3*



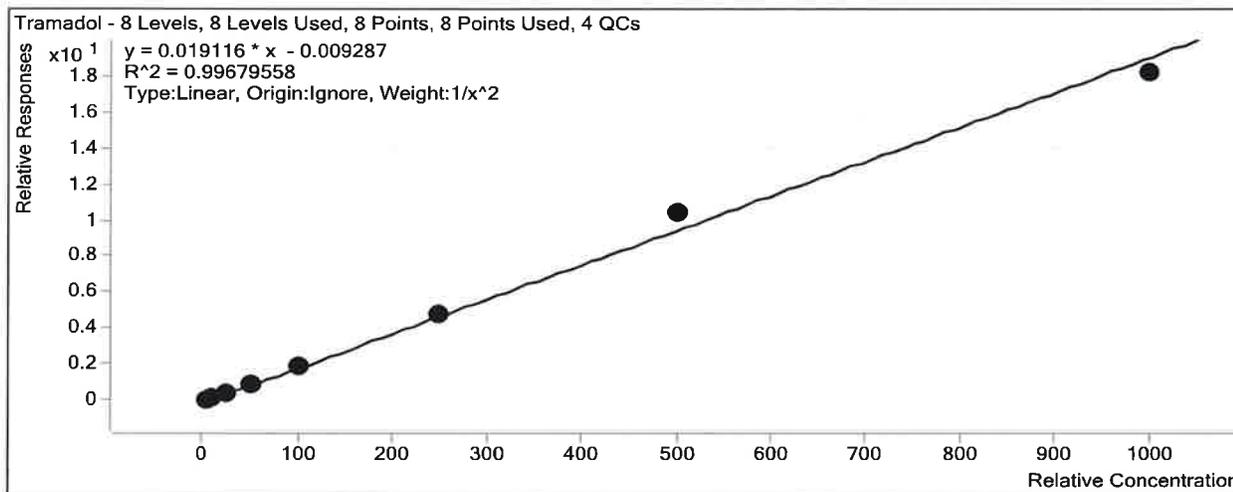
| Sample | Level | Enabled | Exp Conc | Final Conc | Accuracy |
|--------------------|-------|-------------------------------------|----------|------------|----------|
| a cal 1-5ng.d | 1 | <input checked="" type="checkbox"/> | 5 | 6.0 | 120.0 |
| a cal 2-10ng.d | 2 | <input checked="" type="checkbox"/> | 10 | 9.9 | 98.8 |
| a QC 10 (QC1).d | 2 | <input checked="" type="checkbox"/> | 10 | 9.9 | 98.7 |
| a cal 3-25ng.d | 3 | <input checked="" type="checkbox"/> | 25 | 23.9 | 95.5 |
| a cal 4-50ng.d | 4 | <input checked="" type="checkbox"/> | 50 | 45.8 | 91.7 |
| a cal 5-100ng.d | 5 | <input checked="" type="checkbox"/> | 100 | 96.5 | 96.5 |
| a QC 100 (QC2).d | 5 | <input checked="" type="checkbox"/> | 100 | 90.3 | 90.3 |
| a cal 6-250ng.d | 6 | <input checked="" type="checkbox"/> | 250 | 240.5 | 96.2 |
| a QC 250 (QC 3).d | 6 | <input checked="" type="checkbox"/> | 250 | 236.9 | 94.8 |
| a cal 7-500ng.d | 7 | <input checked="" type="checkbox"/> | 500 | 496.1 | 99.2 |
| a cal 8-1000ng.d | 8 | <input checked="" type="checkbox"/> | 1000 | 1021.4 | 102.1 |
| a QC 1000 (QC 4).d | 8 | <input checked="" type="checkbox"/> | 1000 | 1001.8 | 100.2 |

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wk1st 2904 TS\QuantResults\P1a MDQ 012819.batch.bin
Last Calib Update 1/29/2019 3:37 PM **Analyst Name** ISP TOX

Target Compound *Tramadol*
Internal Standard *Tramadol-13C-D3*



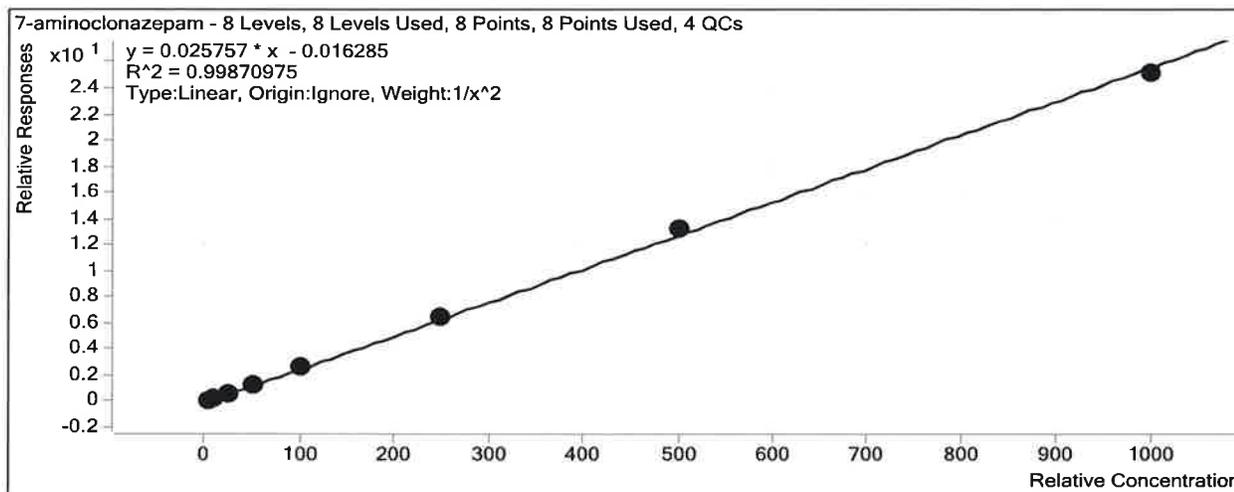
| Sample | Level | Enabled | Exp Conc | Final Conc | Accuracy |
|--------------------|-------|-------------------------------------|----------|------------|----------|
| a cal 1-5ng.d | 1 | <input checked="" type="checkbox"/> | 5 | 5.1 | 103.0 |
| a cal 2-10ng.d | 2 | <input checked="" type="checkbox"/> | 10 | 9.5 | 95.4 |
| a QC 10 (QC1).d | 2 | <input checked="" type="checkbox"/> | 10 | 9.8 | 98.2 |
| a cal 3-25ng.d | 3 | <input checked="" type="checkbox"/> | 25 | 24.4 | 97.4 |
| a cal 4-50ng.d | 4 | <input checked="" type="checkbox"/> | 50 | 48.3 | 96.7 |
| a cal 5-100ng.d | 5 | <input checked="" type="checkbox"/> | 100 | 101.2 | 101.2 |
| a QC 100 (QC2).d | 5 | <input checked="" type="checkbox"/> | 100 | 100.9 | 100.9 |
| a cal 6-250ng.d | 6 | <input checked="" type="checkbox"/> | 250 | 254.2 | 101.7 |
| a QC 250 (QC 3).d | 6 | <input checked="" type="checkbox"/> | 250 | 262.3 | 104.9 |
| a cal 7-500ng.d | 7 | <input checked="" type="checkbox"/> | 500 | 548.2 | 109.6 |
| a cal 8-1000ng.d | 8 | <input checked="" type="checkbox"/> | 1000 | 950.5 | 95.1 |
| a QC 1000 (QC 4).d | 8 | <input checked="" type="checkbox"/> | 1000 | 948.3 | 94.8 |

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wk1st 2904 TS\QuantResults\P1a MDQ 012819.batch.bin
Last Calib Update 1/29/2019 3:37 PM **Analyst Name** ISP TOX

Target Compound 7-aminoclonazepam
Internal Standard 7-Aminoclonazepam-D4



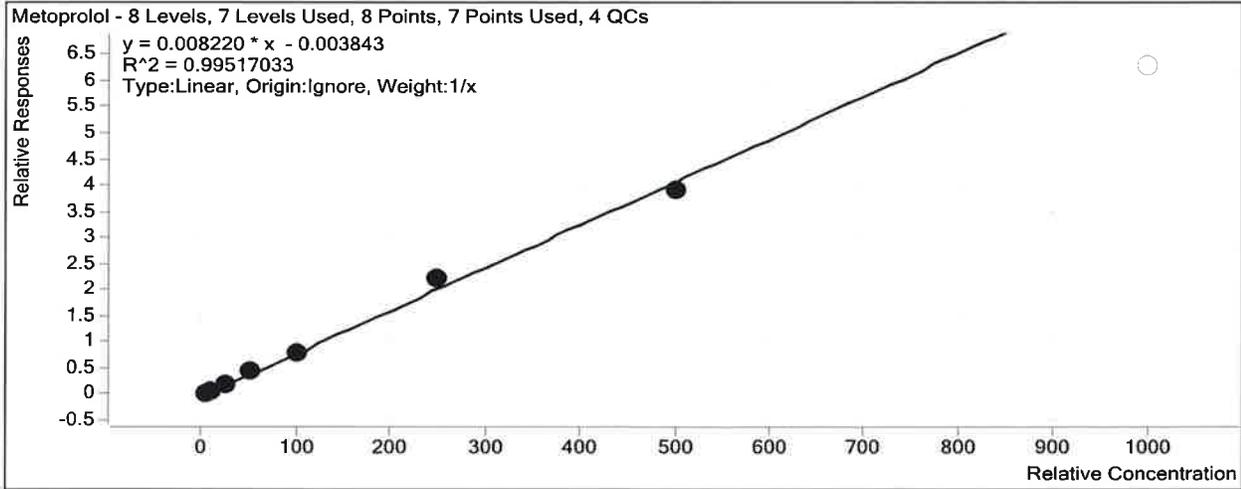
| Sample | Level | Enabled | Exp Conc | Final Conc | Accuracy |
|--------------------|-------|-------------------------------------|----------|------------|----------|
| a cal 1-5ng.d | 1 | <input checked="" type="checkbox"/> | 5 | 5.1 | 102.6 |
| a cal 2-10ng.d | 2 | <input checked="" type="checkbox"/> | 10 | 9.6 | 96.0 |
| a QC 10 (QC1).d | 2 | <input checked="" type="checkbox"/> | 10 | 9.8 | 98.3 |
| a cal 3-25ng.d | 3 | <input checked="" type="checkbox"/> | 25 | 23.9 | 95.7 |
| a cal 4-50ng.d | 4 | <input checked="" type="checkbox"/> | 50 | 50.2 | 100.5 |
| a cal 5-100ng.d | 5 | <input checked="" type="checkbox"/> | 100 | 103.0 | 103.0 |
| a QC 100 (QC2).d | 5 | <input checked="" type="checkbox"/> | 100 | 98.3 | 98.3 |
| a cal 6-250ng.d | 6 | <input checked="" type="checkbox"/> | 250 | 253.2 | 101.3 |
| a QC 250 (QC 3).d | 6 | <input checked="" type="checkbox"/> | 250 | 263.0 | 105.2 |
| a cal 7-500ng.d | 7 | <input checked="" type="checkbox"/> | 500 | 516.3 | 103.3 |
| a cal 8-1000ng.d | 8 | <input checked="" type="checkbox"/> | 1000 | 976.7 | 97.7 |
| a QC 1000 (QC 4).d | 8 | <input checked="" type="checkbox"/> | 1000 | 1033.3 | 103.3 |

TS

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wklist 2904 TS\QuantResults\P1a MDQ 012819.batch.bin
Last Calib Update 1/29/2019 3:37 PM **Analyst Name** ISP TOX

Target Compound Metoprolol
Internal Standard Oxycodone-D6



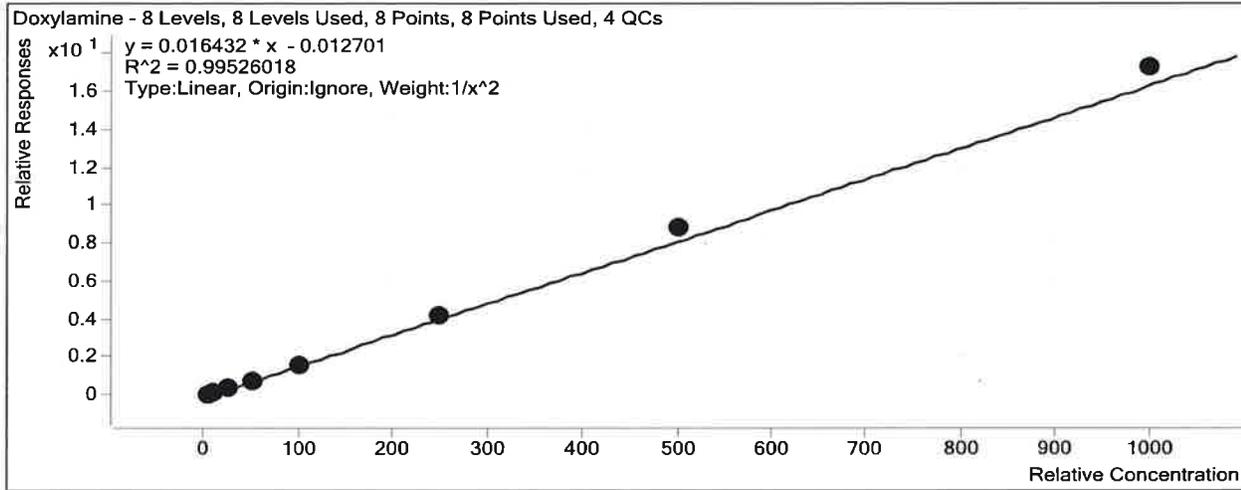
| Sample | Level | Enabled | Exp Conc | Final Conc | Accuracy |
|--------------------|-------|-------------------------------------|----------|------------|----------|
| a cal 1-5ng.d | 1 | <input checked="" type="checkbox"/> | 5 | 4.5 | 89.9 |
| a cal 2-10ng.d | 2 | <input checked="" type="checkbox"/> | 10 | 10.1 | 101.3 |
| a QC 10 (QC1).d | 2 | <input checked="" type="checkbox"/> | 10 | 10.1 | 100.8 |
| a cal 3-25ng.d | 3 | <input checked="" type="checkbox"/> | 25 | 23.9 | 95.7 |
| a cal 4-50ng.d | 4 | <input checked="" type="checkbox"/> | 50 | 55.5 | 111.0 |
| a cal 5-100ng.d | 5 | <input checked="" type="checkbox"/> | 100 | 98.0 | 98.0 |
| a QC 100 (QC2).d | 5 | <input checked="" type="checkbox"/> | 100 | 76.3 | 76.3 |
| a cal 6-250ng.d | 6 | <input checked="" type="checkbox"/> | 250 | 272.3 | 108.9 |
| a QC 250 (QC 3).d | 6 | <input checked="" type="checkbox"/> | 250 | 198.2 | 79.3 |
| a cal 7-500ng.d | 7 | <input checked="" type="checkbox"/> | 500 | 475.6 | 95.1 |
| a cal 8-1000ng.d | 8 | <input type="checkbox"/> | 1000 | 764.6 | 76.5 |
| a QC 1000 (QC 4).d | 8 | <input checked="" type="checkbox"/> | 1000 | 763.6 | 76.4 |

TS

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wklist 2904 TS\QuantResults\P1a MDQ 012819.batch.bin
Last Calib Update 1/29/2019 3:37 PM **Analyst Name** ISP TOX

Target Compound Doxylamine
Internal Standard Doxylamine-D5



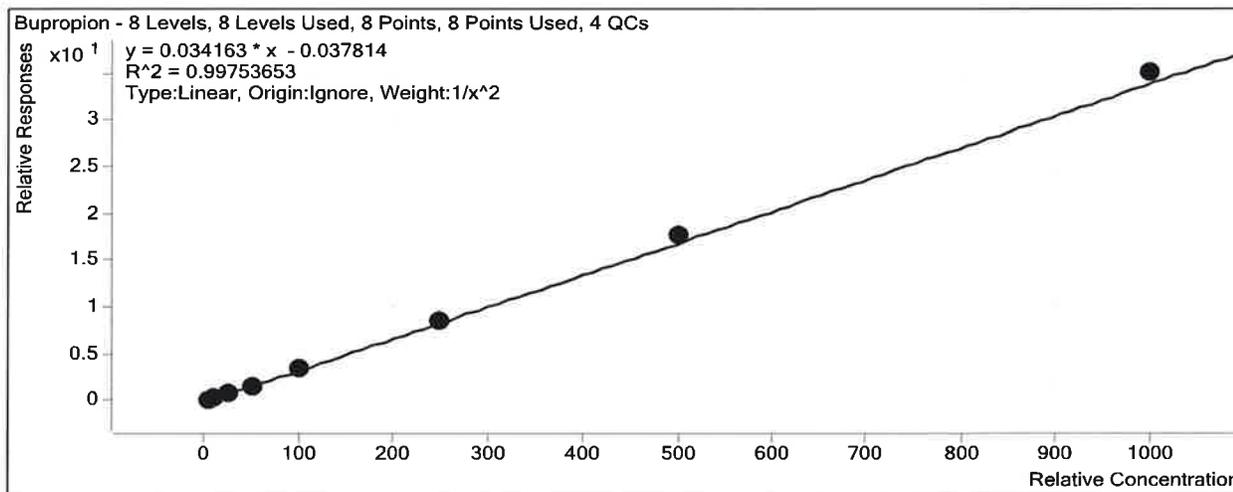
| Sample | Level | Enabled | Exp Conc | Final Conc | Accuracy |
|--------------------|-------|-------------------------------------|----------|------------|----------|
| a cal 1-5ng.d | 1 | <input checked="" type="checkbox"/> | 5 | 5.3 | 105.0 |
| a cal 2-10ng.d | 2 | <input checked="" type="checkbox"/> | 10 | 9.4 | 94.1 |
| a QC 10 (QC1).d | 2 | <input checked="" type="checkbox"/> | 10 | 9.1 | 91.3 |
| a cal 3-25ng.d | 3 | <input checked="" type="checkbox"/> | 25 | 22.8 | 91.3 |
| a cal 4-50ng.d | 4 | <input checked="" type="checkbox"/> | 50 | 47.9 | 95.9 |
| a cal 5-100ng.d | 5 | <input checked="" type="checkbox"/> | 100 | 98.4 | 98.4 |
| a QC 100 (QC2).d | 5 | <input checked="" type="checkbox"/> | 100 | 88.5 | 88.5 |
| a cal 6-250ng.d | 6 | <input checked="" type="checkbox"/> | 250 | 255.3 | 102.1 |
| a QC 250 (QC 3).d | 6 | <input checked="" type="checkbox"/> | 250 | 253.4 | 101.4 |
| a cal 7-500ng.d | 7 | <input checked="" type="checkbox"/> | 500 | 540.0 | 108.0 |
| a cal 8-1000ng.d | 8 | <input checked="" type="checkbox"/> | 1000 | 1051.9 | 105.2 |
| a QC 1000 (QC 4).d | 8 | <input checked="" type="checkbox"/> | 1000 | 1019.4 | 101.9 |

TS

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wk1st 2904 TS\QuantResults\P1a MDQ 012819.batch.bin
Last Calib Update 1/29/2019 3:37 PM **Analyst Name** ISP TOX

Target Compound *Bupropion*
Internal Standard *Bupropion-D9*



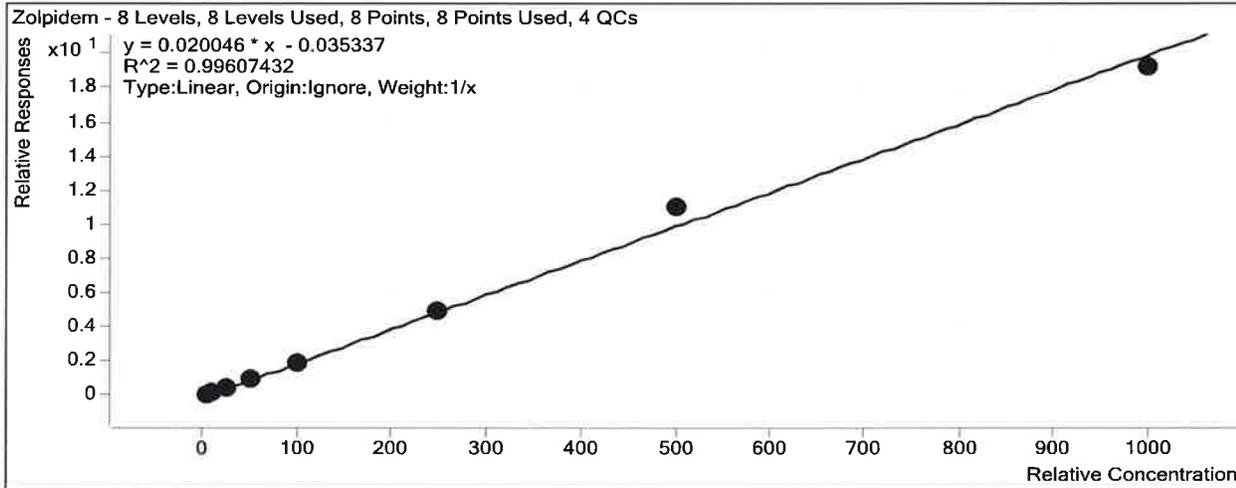
| Sample | Level | Enabled | Exp Conc | Final Conc | Accuracy |
|--------------------|-------|-------------------------------------|----------|------------|----------|
| a cal 1-5ng.d | 1 | <input checked="" type="checkbox"/> | 5 | 5.0 | 100.5 |
| a cal 2-10ng.d | 2 | <input checked="" type="checkbox"/> | 10 | 10.2 | 102.2 |
| a QC 10 (QC1).d | 2 | <input checked="" type="checkbox"/> | 10 | 9.1 | 90.5 |
| a cal 3-25ng.d | 3 | <input checked="" type="checkbox"/> | 25 | 23.8 | 95.0 |
| a cal 4-50ng.d | 4 | <input checked="" type="checkbox"/> | 50 | 45.9 | 91.7 |
| a cal 5-100ng.d | 5 | <input checked="" type="checkbox"/> | 100 | 102.0 | 102.0 |
| a QC 100 (QC2).d | 5 | <input checked="" type="checkbox"/> | 100 | 94.0 | 94.0 |
| a cal 6-250ng.d | 6 | <input checked="" type="checkbox"/> | 250 | 253.5 | 101.4 |
| a QC 250 (QC 3).d | 6 | <input checked="" type="checkbox"/> | 250 | 235.8 | 94.3 |
| a cal 7-500ng.d | 7 | <input checked="" type="checkbox"/> | 500 | 521.0 | 104.2 |
| a cal 8-1000ng.d | 8 | <input checked="" type="checkbox"/> | 1000 | 1028.6 | 102.9 |
| a QC 1000 (QC 4).d | 8 | <input checked="" type="checkbox"/> | 1000 | 987.8 | 98.8 |

TS

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wk1st 2904 TS\QuantResults\P1a MDQ 012819.batch.bin
Last Calib Update 1/29/2019 3:37 PM **Analyst Name** ISP TOX

Target Compound Zolpidem
Internal Standard Zolpidem-D6



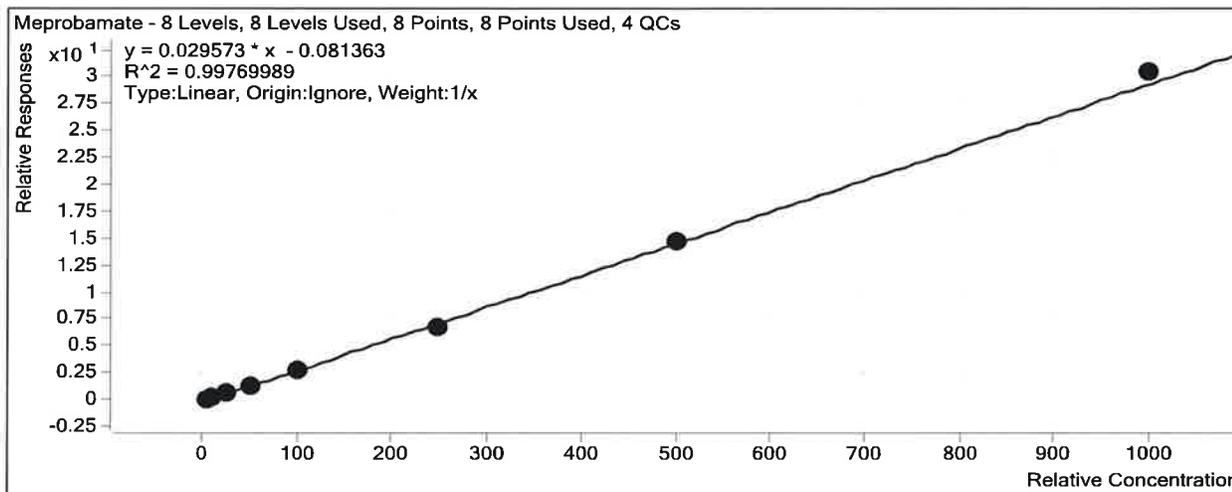
| Sample | Level | Enabled | Exp Conc | Final Conc | Accuracy |
|--------------------|-------|-------------------------------------|----------|------------|----------|
| a cal 1-5ng.d | 1 | <input checked="" type="checkbox"/> | 5 | 5.7 | 113.3 |
| a cal 2-10ng.d | 2 | <input checked="" type="checkbox"/> | 10 | 9.9 | 98.7 |
| a QC 10 (QC1).d | 2 | <input checked="" type="checkbox"/> | 10 | 10.6 | 105.6 |
| a cal 3-25ng.d | 3 | <input checked="" type="checkbox"/> | 25 | 23.0 | 92.1 |
| a cal 4-50ng.d | 4 | <input checked="" type="checkbox"/> | 50 | 46.0 | 92.0 |
| a cal 5-100ng.d | 5 | <input checked="" type="checkbox"/> | 100 | 98.7 | 98.7 |
| a QC 100 (QC2).d | 5 | <input checked="" type="checkbox"/> | 100 | 92.8 | 92.8 |
| a cal 6-250ng.d | 6 | <input checked="" type="checkbox"/> | 250 | 248.8 | 99.5 |
| a QC 250 (QC 3).d | 6 | <input checked="" type="checkbox"/> | 250 | 252.6 | 101.0 |
| a cal 7-500ng.d | 7 | <input checked="" type="checkbox"/> | 500 | 548.6 | 109.7 |
| a cal 8-1000ng.d | 8 | <input checked="" type="checkbox"/> | 1000 | 959.3 | 95.9 |
| a QC 1000 (QC 4).d | 8 | <input checked="" type="checkbox"/> | 1000 | 879.2 | 87.9 |

TS

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wklist 2904 TS\QuantResults\P1a MDQ 012819.batch.bin
Last Calib Update 1/29/2019 3:37 PM **Analyst Name** ISP TOX

Target Compound Meprobamate
Internal Standard Meprobamate-D7



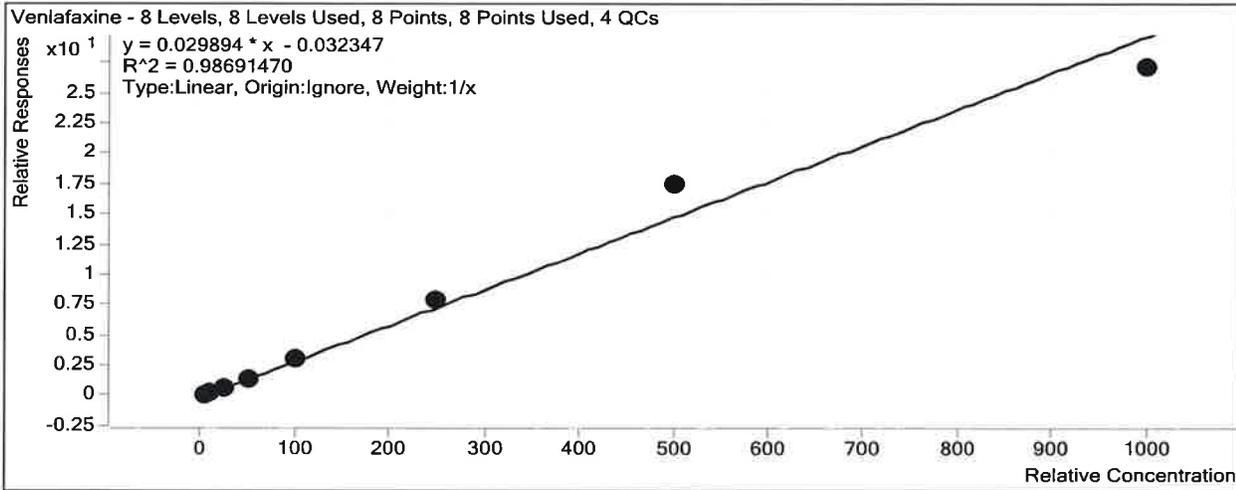
| Sample | Level | Enabled | Exp Conc | Final Conc | Accuracy |
|--------------------|-------|-------------------------------------|----------|------------|----------|
| a cal 1-5ng.d | 1 | <input checked="" type="checkbox"/> | 5 | 6.3 | 125.6 |
| a cal 2-10ng.d | 2 | <input checked="" type="checkbox"/> | 10 | 10.4 | 103.7 |
| a QC 10 (QC1).d | 2 | <input checked="" type="checkbox"/> | 10 | 10.9 | 108.8 |
| a cal 3-25ng.d | 3 | <input checked="" type="checkbox"/> | 25 | 23.4 | 93.4 |
| a cal 4-50ng.d | 4 | <input checked="" type="checkbox"/> | 50 | 43.5 | 87.0 |
| a cal 5-100ng.d | 5 | <input checked="" type="checkbox"/> | 100 | 95.0 | 95.0 |
| a QC 100 (QC2).d | 5 | <input checked="" type="checkbox"/> | 100 | 92.6 | 92.6 |
| a cal 6-250ng.d | 6 | <input checked="" type="checkbox"/> | 250 | 230.3 | 92.1 |
| a QC 250 (QC 3).d | 6 | <input checked="" type="checkbox"/> | 250 | 244.5 | 97.8 |
| a cal 7-500ng.d | 7 | <input checked="" type="checkbox"/> | 500 | 499.7 | 99.9 |
| a cal 8-1000ng.d | 8 | <input checked="" type="checkbox"/> | 1000 | 1031.5 | 103.1 |
| a QC 1000 (QC 4).d | 8 | <input checked="" type="checkbox"/> | 1000 | 1153.8 | 115.4 |

TS

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wk1st 2904 TS\QuantResults\P1a MDQ 012819.batch.bin
Last Calib Update 1/29/2019 3:37 PM **Analyst Name** ISP TOX

Target Compound Venlafaxine
Internal Standard Venlafaxine-D6



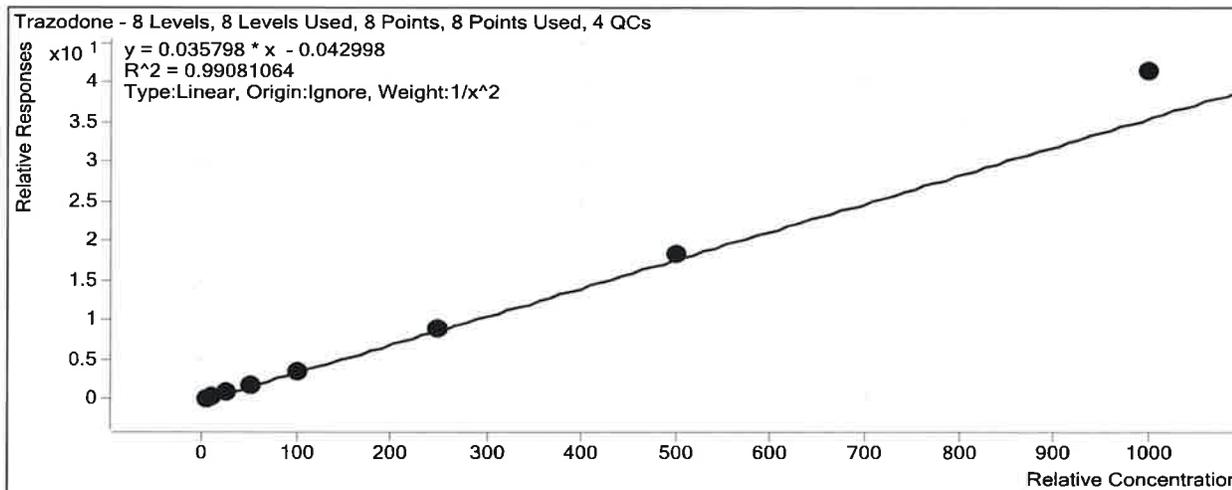
| Sample | Level | Enabled | Exp Conc | Final Conc | Accuracy |
|--------------------|-------|-------------------------------------|----------|------------|----------|
| a cal 1-5ng.d | 1 | <input checked="" type="checkbox"/> | 5 | 5.3 | 107.0 |
| a cal 2-10ng.d | 2 | <input checked="" type="checkbox"/> | 10 | 9.7 | 97.4 |
| a QC 10 (QC1).d | 2 | <input checked="" type="checkbox"/> | 10 | 9.8 | 97.6 |
| a cal 3-25ng.d | 3 | <input checked="" type="checkbox"/> | 25 | 21.9 | 87.6 |
| a cal 4-50ng.d | 4 | <input checked="" type="checkbox"/> | 50 | 47.3 | 94.5 |
| a cal 5-100ng.d | 5 | <input checked="" type="checkbox"/> | 100 | 100.6 | 100.6 |
| a QC 100 (QC2).d | 5 | <input checked="" type="checkbox"/> | 100 | 91.2 | 91.2 |
| a cal 6-250ng.d | 6 | <input checked="" type="checkbox"/> | 250 | 263.6 | 105.4 |
| a QC 250 (QC 3).d | 6 | <input checked="" type="checkbox"/> | 250 | 240.8 | 96.3 |
| a cal 7-500ng.d | 7 | <input checked="" type="checkbox"/> | 500 | 583.1 | 116.6 |
| a cal 8-1000ng.d | 8 | <input checked="" type="checkbox"/> | 1000 | 908.5 | 90.9 |
| a QC 1000 (QC 4).d | 8 | <input checked="" type="checkbox"/> | 1000 | 978.0 | 97.8 |

TS

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wk1st 2904 TS\QuantResults\P1a MDQ 012819.batch.bin
Last Calib Update 1/29/2019 3:37 PM **Analyst Name** ISP TOX

Target Compound Trazodone
Internal Standard Trazodone-D6



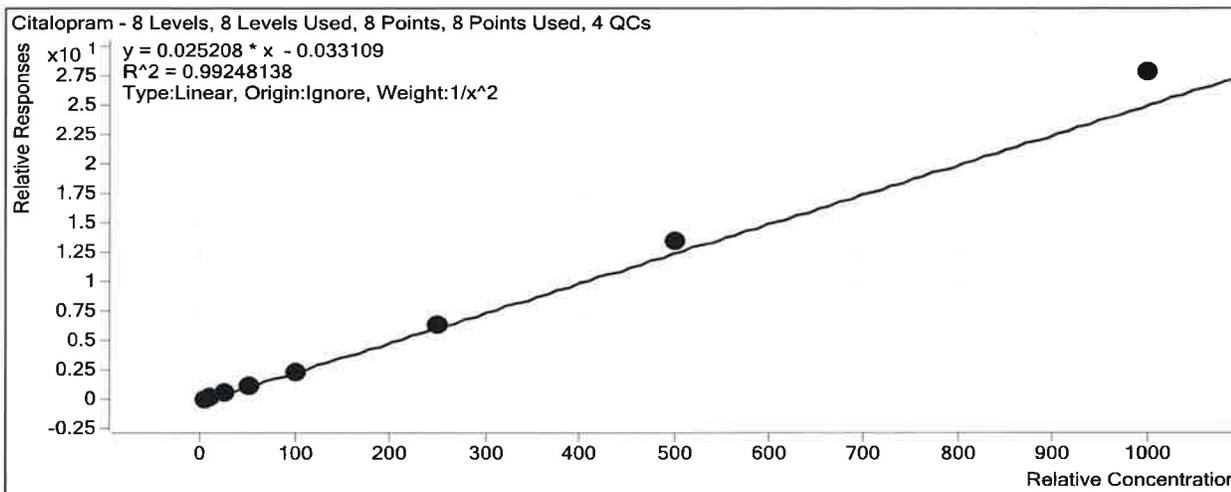
| Sample | Level | Enabled | Exp Conc | Final Conc | Accuracy |
|--------------------|-------|-------------------------------------|----------|------------|----------|
| a cal 1-5ng.d | 1 | <input checked="" type="checkbox"/> | 5 | 5.3 | 105.3 |
| a cal 2-10ng.d | 2 | <input checked="" type="checkbox"/> | 10 | 9.5 | 95.3 |
| a QC 10 (QC1).d | 2 | <input checked="" type="checkbox"/> | 10 | 10.4 | 103.6 |
| a cal 3-25ng.d | 3 | <input checked="" type="checkbox"/> | 25 | 22.2 | 88.7 |
| a cal 4-50ng.d | 4 | <input checked="" type="checkbox"/> | 50 | 46.8 | 93.6 |
| a cal 5-100ng.d | 5 | <input checked="" type="checkbox"/> | 100 | 97.3 | 97.3 |
| a QC 100 (QC2).d | 5 | <input checked="" type="checkbox"/> | 100 | 94.3 | 94.3 |
| a cal 6-250ng.d | 6 | <input checked="" type="checkbox"/> | 250 | 251.6 | 100.6 |
| a QC 250 (QC 3).d | 6 | <input checked="" type="checkbox"/> | 250 | 230.6 | 92.3 |
| a cal 7-500ng.d | 7 | <input checked="" type="checkbox"/> | 500 | 516.3 | 103.3 |
| a cal 8-1000ng.d | 8 | <input checked="" type="checkbox"/> | 1000 | 1158.9 | 115.9 |
| a QC 1000 (QC 4).d | 8 | <input checked="" type="checkbox"/> | 1000 | 1120.1 | 112.0 |

TS

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wklist 2904 TS\QuantResults\P1a MDQ 012819.batch.bin
Last Calib Update 1/29/2019 3:37 PM **Analyst Name** ISP TOX

Target Compound Citalopram
Internal Standard Citalopram-D6



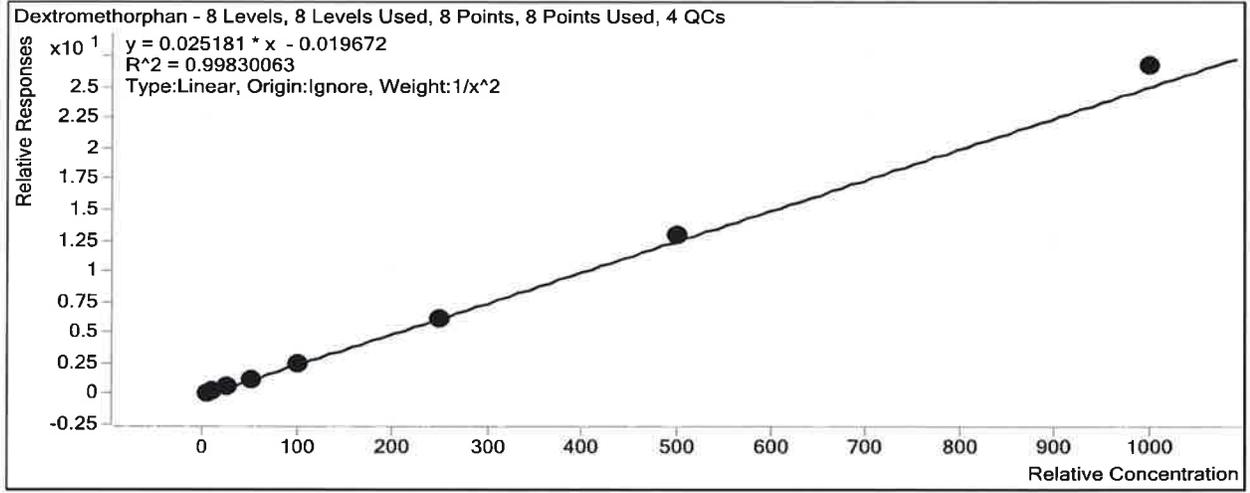
| Sample | Level | Enabled | Exp Conc | Final Conc | Accuracy |
|--------------------|-------|-------------------------------------|----------|------------|----------|
| a cal 1-5ng.d | 1 | <input checked="" type="checkbox"/> | 5 | 5.3 | 105.3 |
| a cal 2-10ng.d | 2 | <input checked="" type="checkbox"/> | 10 | 9.4 | 94.5 |
| a QC 10 (QC1).d | 2 | <input checked="" type="checkbox"/> | 10 | 10.0 | 99.9 |
| a cal 3-25ng.d | 3 | <input checked="" type="checkbox"/> | 25 | 22.8 | 91.3 |
| a cal 4-50ng.d | 4 | <input checked="" type="checkbox"/> | 50 | 45.9 | 91.8 |
| a cal 5-100ng.d | 5 | <input checked="" type="checkbox"/> | 100 | 95.9 | 95.9 |
| a QC 100 (QC2).d | 5 | <input checked="" type="checkbox"/> | 100 | 82.9 | 82.9 |
| a cal 6-250ng.d | 6 | <input checked="" type="checkbox"/> | 250 | 256.8 | 102.7 |
| a QC 250 (QC 3).d | 6 | <input checked="" type="checkbox"/> | 250 | 231.5 | 92.6 |
| a cal 7-500ng.d | 7 | <input checked="" type="checkbox"/> | 500 | 539.3 | 107.9 |
| a cal 8-1000ng.d | 8 | <input checked="" type="checkbox"/> | 1000 | 1105.9 | 110.6 |
| a QC 1000 (QC 4).d | 8 | <input checked="" type="checkbox"/> | 1000 | 1018.9 | 101.9 |

TS

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wklst 2904 TS\QuantResults\P1a MDQ 012819.batch.bin
Last Calib Update 1/29/2019 3:37 PM **Analyst Name** ISP TOX

Target Compound *Dextromethorphan*
Internal Standard *Dextromethorphan-D3*



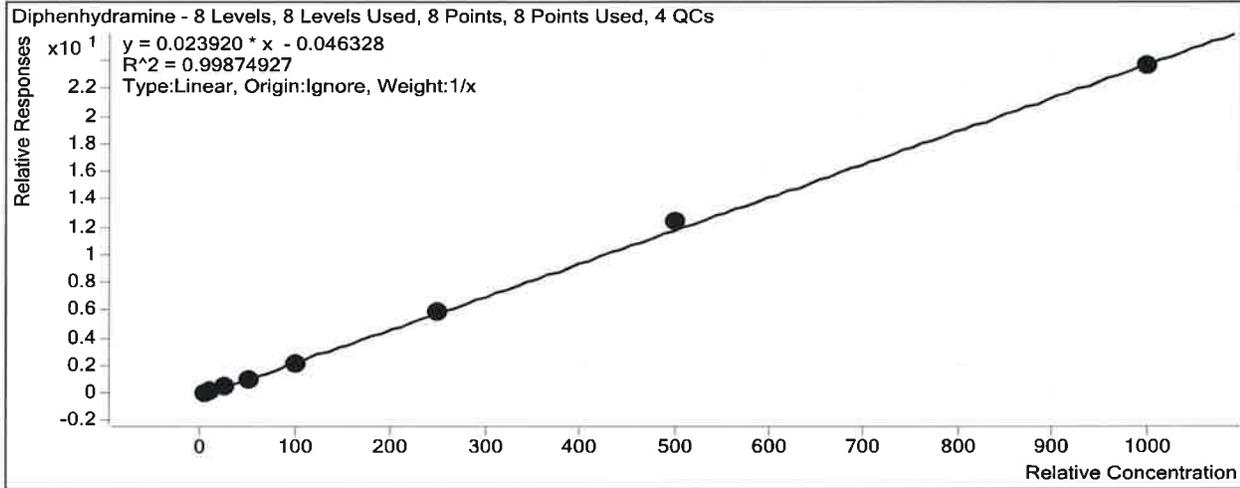
| Sample | Level | Enabled | Exp Conc | Final Conc | Accuracy |
|--------------------|-------|-------------------------------------|----------|------------|----------|
| a cal 1-5ng.d | 1 | <input checked="" type="checkbox"/> | 5 | 5.1 | 102.3 |
| a cal 2-10ng.d | 2 | <input checked="" type="checkbox"/> | 10 | 9.7 | 97.2 |
| a QC 10 (QC1).d | 2 | <input checked="" type="checkbox"/> | 10 | 12.1 | 121.4 |
| a cal 3-25ng.d | 3 | <input checked="" type="checkbox"/> | 25 | 24.5 | 98.1 |
| a cal 4-50ng.d | 4 | <input checked="" type="checkbox"/> | 50 | 47.6 | 95.2 |
| a cal 5-100ng.d | 5 | <input checked="" type="checkbox"/> | 100 | 99.1 | 99.1 |
| a QC 100 (QC2).d | 5 | <input checked="" type="checkbox"/> | 100 | 115.8 | 115.8 |
| a cal 6-250ng.d | 6 | <input checked="" type="checkbox"/> | 250 | 247.2 | 98.9 |
| a QC 250 (QC 3).d | 6 | <input checked="" type="checkbox"/> | 250 | 270.0 | 108.0 |
| a cal 7-500ng.d | 7 | <input checked="" type="checkbox"/> | 500 | 514.9 | 103.0 |
| a cal 8-1000ng.d | 8 | <input checked="" type="checkbox"/> | 1000 | 1062.7 | 106.3 |
| a QC 1000 (QC 4).d | 8 | <input checked="" type="checkbox"/> | 1000 | 1153.6 | 115.4 |

TS

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wklist 2904 TS\QuantResults\P1a MDQ 012819.batch.bin
Last Calib Update 1/29/2019 3:37 PM **Analyst Name** ISP TOX

Target Compound Diphenhydramine
Internal Standard Diphenhydramine-D3



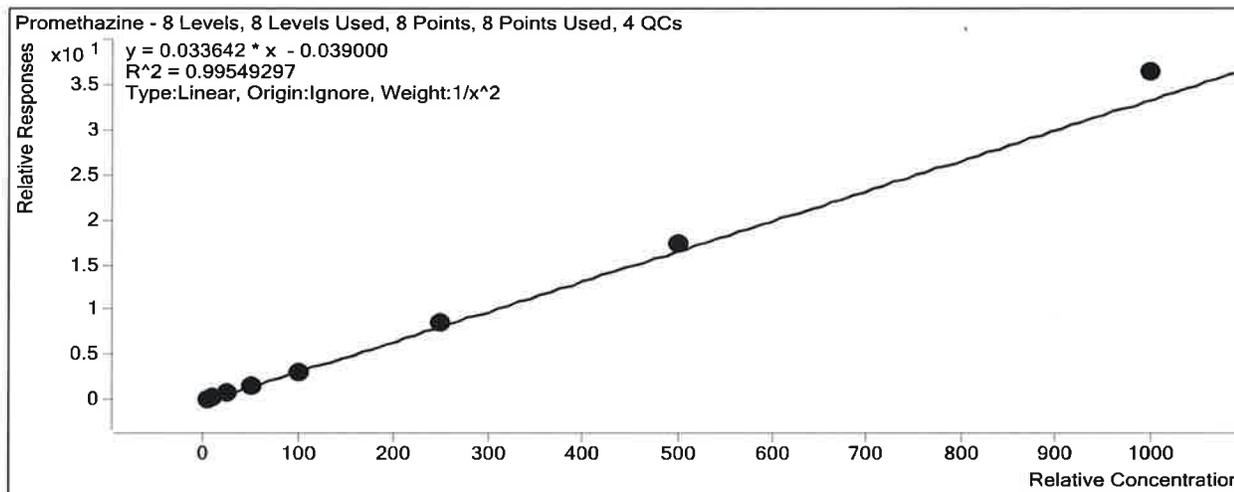
| Sample | Level | Enabled | Exp Conc | Final Conc | Accuracy |
|--------------------|-------|-------------------------------------|----------|------------|----------|
| a cal 1-5ng.d | 1 | <input checked="" type="checkbox"/> | 5 | 6.0 | 120.4 |
| a cal 2-10ng.d | 2 | <input checked="" type="checkbox"/> | 10 | 10.0 | 99.7 |
| a QC 10 (QC1).d | 2 | <input checked="" type="checkbox"/> | 10 | 11.0 | 110.2 |
| a cal 3-25ng.d | 3 | <input checked="" type="checkbox"/> | 25 | 22.7 | 91.0 |
| a cal 4-50ng.d | 4 | <input checked="" type="checkbox"/> | 50 | 46.3 | 92.6 |
| a cal 5-100ng.d | 5 | <input checked="" type="checkbox"/> | 100 | 92.7 | 92.7 |
| a QC 100 (QC2).d | 5 | <input checked="" type="checkbox"/> | 100 | 94.0 | 94.0 |
| a cal 6-250ng.d | 6 | <input checked="" type="checkbox"/> | 250 | 251.1 | 100.4 |
| a QC 250 (QC 3).d | 6 | <input checked="" type="checkbox"/> | 250 | 225.2 | 90.1 |
| a cal 7-500ng.d | 7 | <input checked="" type="checkbox"/> | 500 | 521.1 | 104.2 |
| a cal 8-1000ng.d | 8 | <input checked="" type="checkbox"/> | 1000 | 990.1 | 99.0 |
| a QC 1000 (QC 4).d | 8 | <input checked="" type="checkbox"/> | 1000 | 1053.9 | 105.4 |

TS

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wk1st 2904 TS\QuantResults\P1a MDQ 012819.batch.bin
Last Calib Update 1/29/2019 3:37 PM **Analyst Name** ISP TOX

Target Compound Promethazine
Internal Standard Promethazine-D3



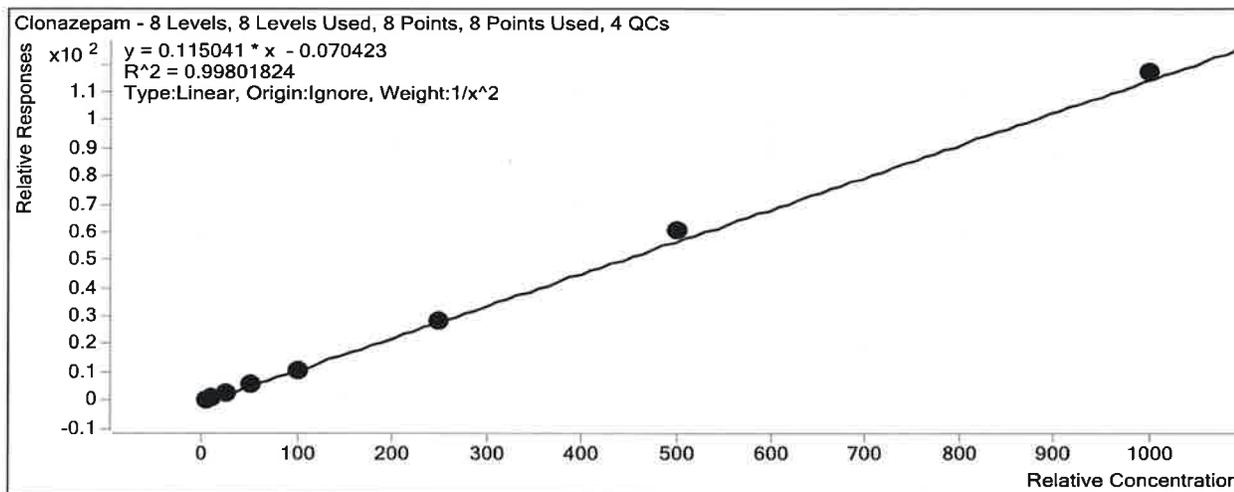
| Sample | Level | Enabled | Exp Conc | Final Conc | Accuracy |
|--------------------|-------|-------------------------------------|----------|------------|----------|
| a cal 1-5ng.d | 1 | <input checked="" type="checkbox"/> | 5 | 5.2 | 104.1 |
| a cal 2-10ng.d | 2 | <input checked="" type="checkbox"/> | 10 | 9.5 | 94.9 |
| a QC 10 (QC1).d | 2 | <input checked="" type="checkbox"/> | 10 | 9.6 | 96.2 |
| a cal 3-25ng.d | 3 | <input checked="" type="checkbox"/> | 25 | 23.9 | 95.6 |
| a cal 4-50ng.d | 4 | <input checked="" type="checkbox"/> | 50 | 46.8 | 93.6 |
| a cal 5-100ng.d | 5 | <input checked="" type="checkbox"/> | 100 | 94.7 | 94.7 |
| a QC 100 (QC2).d | 5 | <input checked="" type="checkbox"/> | 100 | 97.9 | 97.9 |
| a cal 6-250ng.d | 6 | <input checked="" type="checkbox"/> | 250 | 260.1 | 104.0 |
| a QC 250 (QC 3).d | 6 | <input checked="" type="checkbox"/> | 250 | 240.7 | 96.3 |
| a cal 7-500ng.d | 7 | <input checked="" type="checkbox"/> | 500 | 522.3 | 104.5 |
| a cal 8-1000ng.d | 8 | <input checked="" type="checkbox"/> | 1000 | 1084.6 | 108.5 |
| a QC 1000 (QC 4).d | 8 | <input checked="" type="checkbox"/> | 1000 | 1056.8 | 105.7 |

TS

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wk1st 2904 TS\QuantResults\P1a MDQ 012819.batch.bin
Last Calib Update 1/29/2019 3:37 PM **Analyst Name** ISP TOX

Target Compound Clonazepam
Internal Standard Clonazepam-D4



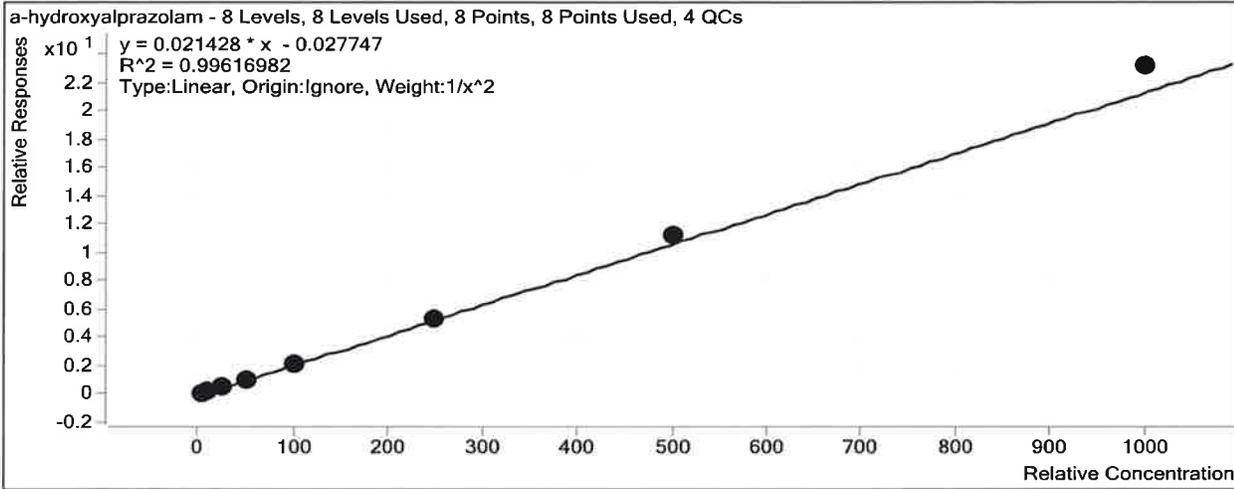
| Sample | Level | Enabled | Exp Conc | Final Conc | Accuracy |
|--------------------|-------|-------------------------------------|----------|------------|----------|
| a cal 1-5ng.d | 1 | <input checked="" type="checkbox"/> | 5 | 5.0 | 100.7 |
| a cal 2-10ng.d | 2 | <input checked="" type="checkbox"/> | 10 | 10.1 | 100.6 |
| a QC 10 (QC1).d | 2 | <input checked="" type="checkbox"/> | 10 | 10.6 | 105.6 |
| a cal 3-25ng.d | 3 | <input checked="" type="checkbox"/> | 25 | 23.8 | 95.1 |
| a cal 4-50ng.d | 4 | <input checked="" type="checkbox"/> | 50 | 51.2 | 102.4 |
| a cal 5-100ng.d | 5 | <input checked="" type="checkbox"/> | 100 | 94.6 | 94.6 |
| a QC 100 (QC2).d | 5 | <input checked="" type="checkbox"/> | 100 | 104.2 | 104.2 |
| a cal 6-250ng.d | 6 | <input checked="" type="checkbox"/> | 250 | 246.6 | 98.6 |
| a QC 250 (QC 3).d | 6 | <input checked="" type="checkbox"/> | 250 | 272.0 | 108.8 |
| a cal 7-500ng.d | 7 | <input checked="" type="checkbox"/> | 500 | 531.4 | 106.3 |
| a cal 8-1000ng.d | 8 | <input checked="" type="checkbox"/> | 1000 | 1017.7 | 101.8 |
| a QC 1000 (QC 4).d | 8 | <input checked="" type="checkbox"/> | 1000 | 1026.0 | 102.6 |

TS

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wk1st 2904 TS\QuantResults\P1a MDQ 012819.batch.bin
Last Calib Update 1/29/2019 3:37 PM **Analyst Name** ISP TOX

Target Compound *a-hydroxyalprazolam*
Internal Standard *a-hydroxyalprazolam-D5*



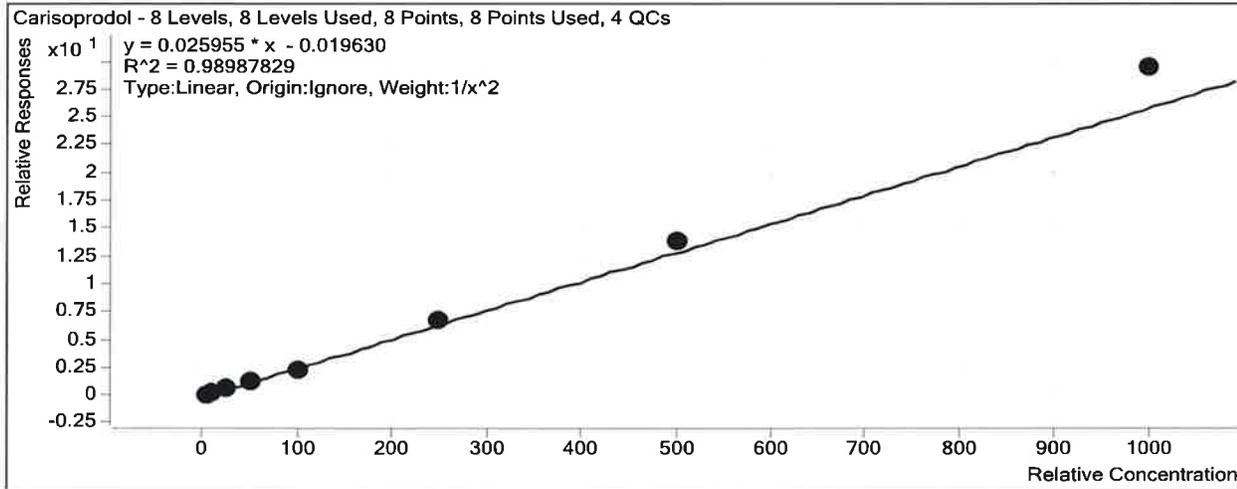
| Sample | Level | Enabled | Exp Conc | Final Conc | Accuracy |
|--------------------|-------|-------------------------------------|----------|------------|----------|
| a cal 1-5ng.d | 1 | <input checked="" type="checkbox"/> | 5 | 5.2 | 104.2 |
| a cal 2-10ng.d | 2 | <input checked="" type="checkbox"/> | 10 | 9.5 | 95.2 |
| a QC 10 (QC1).d | 2 | <input checked="" type="checkbox"/> | 10 | 9.4 | 94.0 |
| a cal 3-25ng.d | 3 | <input checked="" type="checkbox"/> | 25 | 23.2 | 92.7 |
| a cal 4-50ng.d | 4 | <input checked="" type="checkbox"/> | 50 | 47.9 | 95.7 |
| a cal 5-100ng.d | 5 | <input checked="" type="checkbox"/> | 100 | 100.4 | 100.4 |
| a QC 100 (QC2).d | 5 | <input checked="" type="checkbox"/> | 100 | 99.5 | 99.5 |
| a cal 6-250ng.d | 6 | <input checked="" type="checkbox"/> | 250 | 247.4 | 99.0 |
| a QC 250 (QC 3).d | 6 | <input checked="" type="checkbox"/> | 250 | 240.6 | 96.2 |
| a cal 7-500ng.d | 7 | <input checked="" type="checkbox"/> | 500 | 523.9 | 104.8 |
| a cal 8-1000ng.d | 8 | <input checked="" type="checkbox"/> | 1000 | 1081.0 | 108.1 |
| a QC 1000 (QC 4).d | 8 | <input checked="" type="checkbox"/> | 1000 | 1102.9 | 110.3 |

TS

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wk1st 2904 TS\QuantResults\P1a MDQ 012819.batch.bin
Last Calib Update 1/29/2019 3:37 PM **Analyst Name** ISP TOX

Target Compound Carisoprodol
Internal Standard Carisoprodol-D7



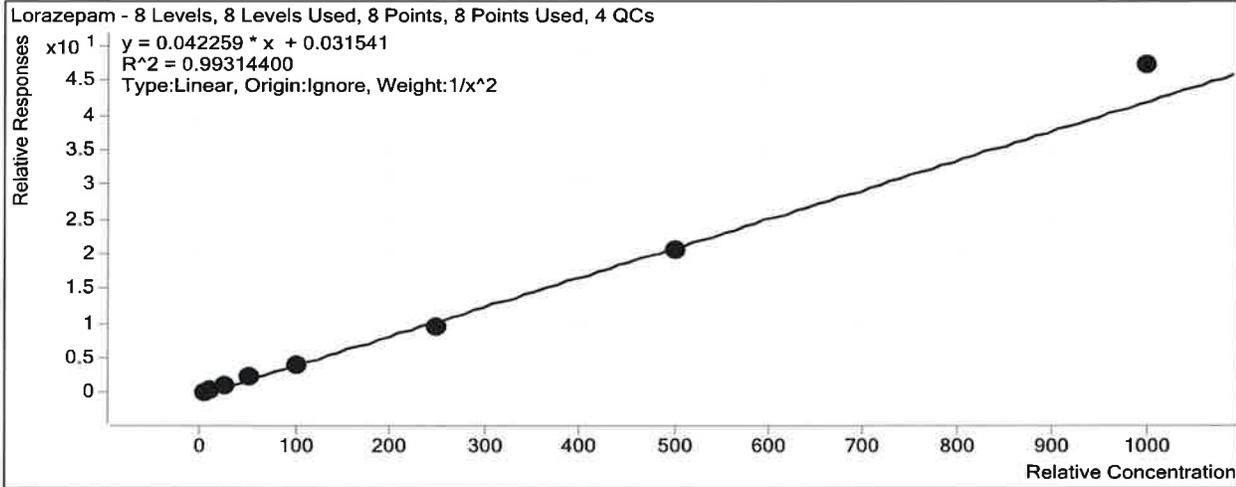
| Sample | Level | Enabled | Exp Conc | Final Conc | Accuracy |
|--------------------|-------|-------------------------------------|----------|------------|----------|
| a cal 1-5ng.d | 1 | <input checked="" type="checkbox"/> | 5 | 5.2 | 104.5 |
| a cal 2-10ng.d | 2 | <input checked="" type="checkbox"/> | 10 | 9.6 | 95.8 |
| a QC 10 (QC1).d | 2 | <input checked="" type="checkbox"/> | 10 | 10.2 | 101.7 |
| a cal 3-25ng.d | 3 | <input checked="" type="checkbox"/> | 25 | 22.9 | 91.6 |
| a cal 4-50ng.d | 4 | <input checked="" type="checkbox"/> | 50 | 48.9 | 97.7 |
| a cal 5-100ng.d | 5 | <input checked="" type="checkbox"/> | 100 | 86.6 | 86.6 |
| a QC 100 (QC2).d | 5 | <input checked="" type="checkbox"/> | 100 | 101.6 | 101.6 |
| a cal 6-250ng.d | 6 | <input checked="" type="checkbox"/> | 250 | 257.1 | 102.8 |
| a QC 250 (QC 3).d | 6 | <input checked="" type="checkbox"/> | 250 | 279.6 | 111.8 |
| a cal 7-500ng.d | 7 | <input checked="" type="checkbox"/> | 500 | 538.1 | 107.6 |
| a cal 8-1000ng.d | 8 | <input checked="" type="checkbox"/> | 1000 | 1133.9 | 113.4 |
| a QC 1000 (QC 4).d | 8 | <input checked="" type="checkbox"/> | 1000 | 1178.3 | 117.8 |

TS

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wk1st 2904 TS\QuantResults\P1a MDQ 012819.batch.bin
Last Calib Update 1/29/2019 3:37 PM **Analyst Name** ISP TOX

Target Compound Lorazepam
Internal Standard Clonazepam-D4



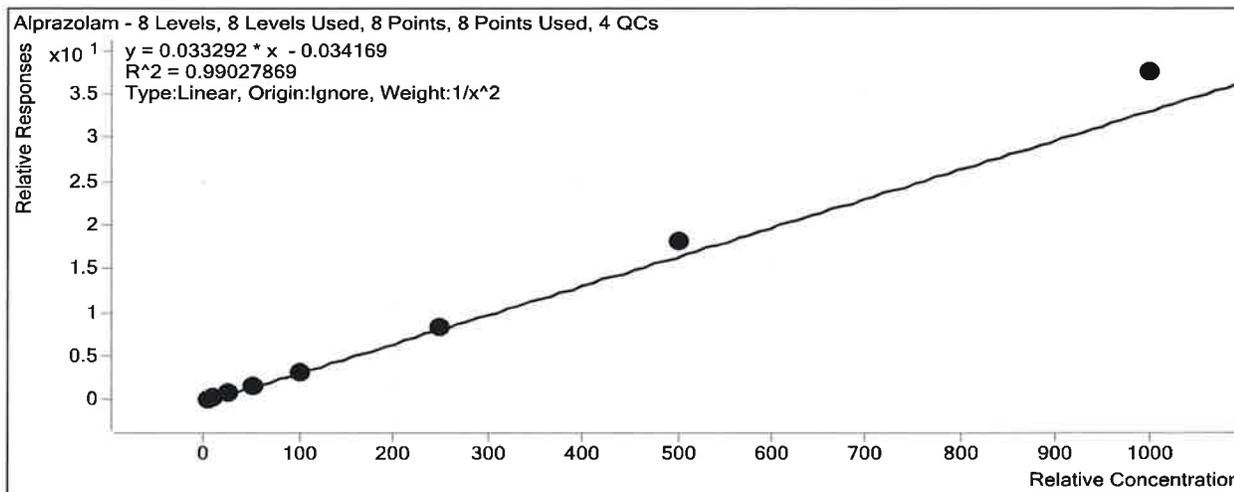
| Sample | Level | Enabled | Exp Conc | Final Conc | Accuracy |
|--------------------|-------|-------------------------------------|----------|------------|----------|
| a cal 1-5ng.d | 1 | <input checked="" type="checkbox"/> | 5 | 5.0 | 99.1 |
| a cal 2-10ng.d | 2 | <input checked="" type="checkbox"/> | 10 | 10.0 | 100.2 |
| a QC 10 (QC1).d | 2 | <input checked="" type="checkbox"/> | 10 | 11.6 | 115.7 |
| a cal 3-25ng.d | 3 | <input checked="" type="checkbox"/> | 25 | 26.0 | 103.9 |
| a cal 4-50ng.d | 4 | <input checked="" type="checkbox"/> | 50 | 52.7 | 105.4 |
| a cal 5-100ng.d | 5 | <input checked="" type="checkbox"/> | 100 | 92.0 | 92.0 |
| a QC 100 (QC2).d | 5 | <input checked="" type="checkbox"/> | 100 | 100.3 | 100.3 |
| a cal 6-250ng.d | 6 | <input checked="" type="checkbox"/> | 250 | 223.8 | 89.5 |
| a QC 250 (QC 3).d | 6 | <input checked="" type="checkbox"/> | 250 | 201.3 | 80.5 |
| a cal 7-500ng.d | 7 | <input checked="" type="checkbox"/> | 500 | 489.8 | 98.0 |
| a cal 8-1000ng.d | 8 | <input checked="" type="checkbox"/> | 1000 | 1118.2 | 111.8 |
| a QC 1000 (QC 4).d | 8 | <input checked="" type="checkbox"/> | 1000 | 995.5 | 99.5 |

TS

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wk1st 2904 TS\QuantResults\P1a MDQ 012819.batch.bin
Last Calib Update 1/29/2019 3:37 PM **Analyst Name** ISP TOX

Target Compound Alprazolam
Internal Standard Alprazolam-D5



| Sample | Level | Enabled | Exp Conc | Final Conc | Accuracy |
|--------------------|-------|-------------------------------------|----------|------------|----------|
| a cal 1-5ng.d | 1 | <input checked="" type="checkbox"/> | 5 | 5.3 | 105.6 |
| a cal 2-10ng.d | 2 | <input checked="" type="checkbox"/> | 10 | 9.5 | 95.0 |
| a QC 10 (QC1).d | 2 | <input checked="" type="checkbox"/> | 10 | 9.4 | 93.9 |
| a cal 3-25ng.d | 3 | <input checked="" type="checkbox"/> | 25 | 22.3 | 89.2 |
| a cal 4-50ng.d | 4 | <input checked="" type="checkbox"/> | 50 | 45.2 | 90.5 |
| a cal 5-100ng.d | 5 | <input checked="" type="checkbox"/> | 100 | 96.7 | 96.7 |
| a QC 100 (QC2).d | 5 | <input checked="" type="checkbox"/> | 100 | 91.6 | 91.6 |
| a cal 6-250ng.d | 6 | <input checked="" type="checkbox"/> | 250 | 253.8 | 101.5 |
| a QC 250 (QC 3).d | 6 | <input checked="" type="checkbox"/> | 250 | 245.5 | 98.2 |
| a cal 7-500ng.d | 7 | <input checked="" type="checkbox"/> | 500 | 544.5 | 108.9 |
| a cal 8-1000ng.d | 8 | <input checked="" type="checkbox"/> | 1000 | 1126.7 | 112.7 |
| a QC 1000 (QC 4).d | 8 | <input checked="" type="checkbox"/> | 1000 | 1133.7 | 113.4 |

TS

ISP FORENSICS - Pocatello Instrument # 59740

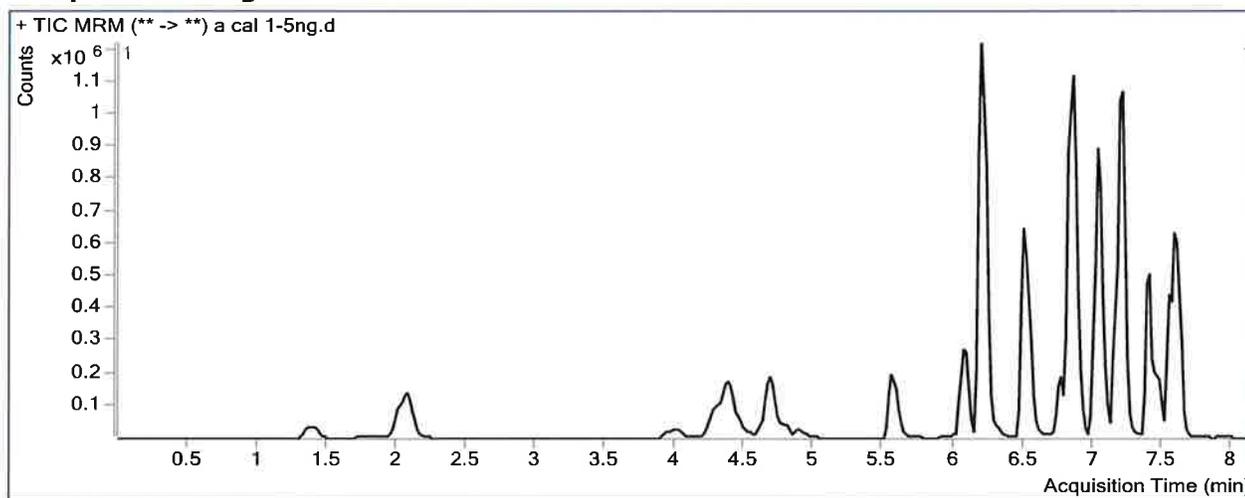
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wklst 2904 TS\QuantResults\P1a MDQ 012819.batch.bin
Analysis Time 1/29/2019 3:38 PM **Analyst Name** datastor
Report Time 1/29/2019 3:46 PM **Reporter Name** datastor
Last Calib Update 1/29/2019 3:37 PM **Batch State** Processed

Analysis Info

Acq Time 2019-01-28 13:51 **Data File** a cal 1-5ng.d
Sample Type Calibration **Sample Name** a cal 1-5ng.d
Dilution 1 **Acq Method** MD Quant Panel 1a 7-11-18.m
Position P1-A1 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

| Compound | ISTD Compound | RT | Response | ISTD Resp | Resp Ratio | Final Conc |
|-------------------|----------------------|-------|----------|-----------|------------|------------|
| Morphine | Morphine-D6 | 1.389 | 21636 | 113644 | 0.1904 | 5.2437 |
| Hydromorphone | Hydromorphone-D6 | 2.051 | 84299 | 737905 | 0.1142 | 5.3164 |
| Codeine | Codeine-D6 | 4.037 | 11870 | 119776 | 0.0991 | 6.2180 |
| Oxycodone | Oxycodone-D6 | 4.413 | 101974 | 816711 | 0.1249 | 6.2756 |
| Amphetamine | Amphetamine-D11 | 4.427 | 194319 | 452888 | 0.4291 | 5.3318 |
| Hydrocodone | Hydrocodone-D6 | 4.698 | 36742 | 463333 | 0.0793 | 5.2352 |
| Norhydrocodone | Norhydrocodone-D3 | 4.741 | 2559 | 135883 | 0.0188 | 19.2327 |
| Methamphetamine | Methamphetamine-D11 | 4.804 | 103109 | 440085 | 0.2343 | 5.3355 |
| 6-MAM | 6-MAM-D6 | 4.912 | 1191 | 93259 | 0.0128 | 0.9123 |
| Phentermine | Phentermine-D5 | 5.610 | 43105 | 797753 | 0.0540 | 5.1453 |
| Dextrorphan | Dextrorphan-D3 | 6.087 | 52238 | 908602 | 0.0575 | 6.0010 |
| Tramadol | Tramadol-13C-D3 | 6.207 | 307131 | 3445100 | 0.0891 | 5.1494 |
| 7-aminoclonazepam | 7-Aminoclonazepam-D4 | 6.219 | 87644 | 756404 | 0.1159 | 5.1308 |
| Metoprolol | Oxycodone-D6 | 6.325 | 27032 | 816711 | 0.0331 | 4.4940 |
| Doxylamine | Doxylamine-D5 | 6.526 | 160092 | 2175288 | 0.0736 | 5.2519 |
| Bupropion | Bupropion-D9 | 6.775 | 73891 | 551788 | 0.1339 | 5.0266 |
| Zolpidem | Zolpidem-D6 | 6.865 | 298310 | 3815006 | 0.0782 | 5.6634 |
| Meprobamate | Meprobamate-D7 | 6.918 | 34167 | 327391 | 0.1044 | 6.2802 |
| Venlafaxine | Venlafaxine-D6 | 7.030 | 272908 | 2139239 | 0.1276 | 5.3495 |
| Trazodone | Trazodone-D6 | 7.080 | 134260 | 923444 | 0.1454 | 5.2625 |

ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

TS

a cal 1-5ng

| Compound | ISTD Compound | RT | Response | ISTD Resp | Resp Ratio | Final Conc |
|---------------------|------------------------|-------|----------|-----------|------------|------------|
| Citalopram | Citalopram-D6 | 7.163 | 125307 | 1257498 | 0.0996 | 5.2664 |
| Dextromethorphan | Dextromethorphan-D3 | 7.195 | 43524 | 399038 | 0.1091 | 5.1128 |
| Diphenhydramine | Diphenhydramine-D3 | 7.218 | 235703 | 2413745 | 0.0977 | 6.0192 |
| Promethazine | Promethazine-D3 | 7.413 | 199136 | 1462226 | 0.1362 | 5.2074 |
| Clonazepam | Clonazepam-D4 | 7.469 | 116508 | 229005 | 0.5088 | 5.0346 |
| a-hydroxyalprazolam | a-hydroxyalprazolam-D5 | 7.545 | 20945 | 249613 | 0.0839 | 5.2108 |
| Carisoprodol | Carisoprodol-D7 | 7.558 | 91863 | 792046 | 0.1160 | 5.2249 |
| Lorazepam | Clonazepam-D4 | 7.587 | 55192 | 229005 | 0.2410 | 4.9568 |
| Alprazolam | Alprazolam-D5 | 7.612 | 207822 | 1467147 | 0.1417 | 5.2811 |

TS

ISP FORENSICS - Pocatello Instrument # 59740

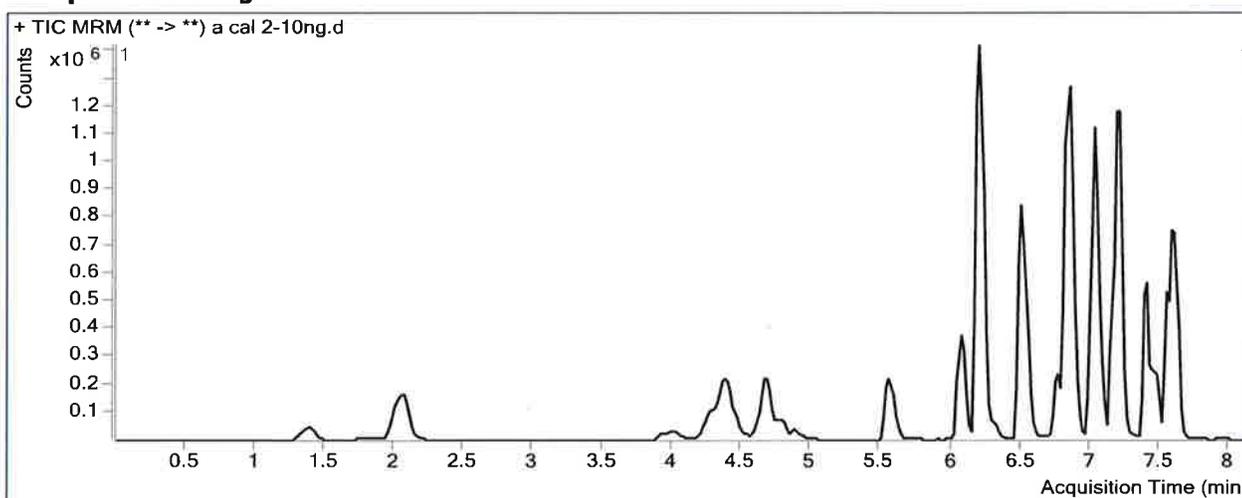
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wkst 2904 TS\QuantResults\P1a MDQ 012819.batch.bin
Analysis Time 1/29/2019 3:38 PM **Analyst Name** datastor
Report Time 1/29/2019 3:46 PM **Reporter Name** datastor
Last Calib Update 1/29/2019 3:37 PM **Batch State** Processed

Analysis Info

Acq Time 2019-01-28 14:23 **Data File** a cal 2-10ng.d
Sample Type Calibration **Sample Name** a cal 2-10ng.d
Dilution 1 **Acq Method** MD Quant Panel 1a 7-11-18.m
Position P1-B1 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

| Compound | ISTD Compound | RT | Response | ISTD Resp | Resp Ratio | Final Conc |
|-------------------|----------------------|-------|----------|-----------|------------|------------|
| Morphine | Morphine-D6 | 1.410 | 46114 | 112379 | 0.4103 | 9.6104 |
| Hydromorphone | Hydromorphone-D6 | 2.071 | 173058 | 756739 | 0.2287 | 9.2724 |
| Codeine | Codeine-D6 | 4.037 | 23980 | 123629 | 0.1940 | 9.9433 |
| Oxycodone | Oxycodone-D6 | 4.393 | 212598 | 834508 | 0.2548 | 10.2790 |
| Amphetamine | Amphetamine-D11 | 4.427 | 358962 | 535546 | 0.6703 | 9.5291 |
| Hydrocodone | Hydrocodone-D6 | 4.678 | 76520 | 502135 | 0.1524 | 9.3146 |
| Norhydrocodone | Norhydrocodone-D3 | 4.741 | 6156 | 152271 | 0.0404 | 22.0213 |
| Methamphetamine | Methamphetamine-D11 | 4.784 | 217506 | 531290 | 0.4094 | 9.1355 |
| 6-MAM | 6-MAM-D6 | 4.912 | 2417 | 98604 | 0.0245 | 1.2984 |
| Phentermine | Phentermine-D5 | 5.610 | 92168 | 875332 | 0.1053 | 9.4874 |
| Dextrorphan | Dextrorphan-D3 | 6.067 | 119120 | 1063786 | 0.1120 | 9.8767 |
| Tramadol | Tramadol-13C-D3 | 6.207 | 676267 | 3907178 | 0.1731 | 9.5402 |
| 7-aminoclonazepam | 7-Aminoclonazepam-D4 | 6.219 | 176945 | 766056 | 0.2310 | 9.5999 |
| Metoprolol | Oxycodone-D6 | 6.305 | 66310 | 834508 | 0.0795 | 10.1338 |
| Doxylamine | Doxylamine-D5 | 6.526 | 373325 | 2630559 | 0.1419 | 9.4099 |
| Bupropion | Bupropion-D9 | 6.775 | 184399 | 592240 | 0.3114 | 10.2206 |
| Zolpidem | Zolpidem-D6 | 6.865 | 647144 | 3980088 | 0.1626 | 9.8737 |
| Meprobamate | Meprobamate-D7 | 6.918 | 73384 | 325618 | 0.2254 | 10.3719 |
| Venlafaxine | Venlafaxine-D6 | 7.030 | 614972 | 2377235 | 0.2587 | 9.7356 |
| Trazodone | Trazodone-D6 | 7.080 | 256433 | 859897 | 0.2982 | 9.5316 |

ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

TS

a cal 2-10ng

| Compound | ISTD Compound | RT | Response | ISTD Resp | Resp Ratio | Final Conc |
|---------------------|------------------------|-------|----------|-----------|------------|------------|
| Citalopram | Citalopram-D6 | 7.163 | 258764 | 1261599 | 0.2051 | 9.4500 |
| Dextromethorphan | Dextromethorphan-D3 | 7.195 | 86452 | 383960 | 0.2252 | 9.7229 |
| Diphenhydramine | Diphenhydramine-D3 | 7.218 | 466819 | 2429209 | 0.1922 | 9.9708 |
| Promethazine | Promethazine-D3 | 7.413 | 377930 | 1348201 | 0.2803 | 9.4918 |
| Clonazepam | Clonazepam-D4 | 7.469 | 255346 | 235027 | 1.0865 | 10.0563 |
| a-hydroxyalprazolam | a-hydroxyalprazolam-D5 | 7.545 | 45753 | 259637 | 0.1762 | 9.5186 |
| Carisoprodol | Carisoprodol-D7 | 7.558 | 184191 | 804491 | 0.2290 | 9.5776 |
| Lorazepam | Clonazepam-D4 | 7.587 | 106942 | 235027 | 0.4550 | 10.0211 |
| Alprazolam | Alprazolam-D5 | 7.612 | 419714 | 1488602 | 0.2820 | 9.4953 |

TS

ISP FORENSICS - Pocatello Instrument # 59740

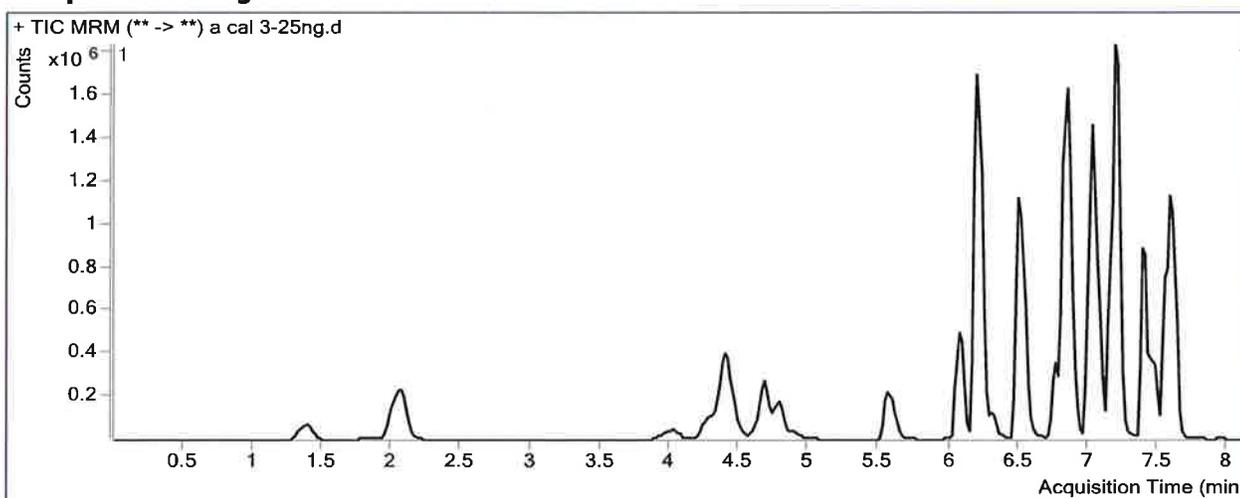
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wk1st 2904 TS\QuantResults\P1a MDQ 012819.batch.bin
Analysis Time 1/29/2019 3:38 PM **Analyst Name** datastor
Report Time 1/29/2019 3:46 PM **Reporter Name** datastor
Last Calib Update 1/29/2019 3:37 PM **Batch State** Processed

Analysis Info

Acq Time 2019-01-28 14:54 **Data File** a cal 3-25ng.d
Sample Type Calibration **Sample Name** a cal 3-25ng.d
Dilution 1 **Acq Method** MD Quant Panel 1a 7-11-18.m
Position P1-C1 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

| Compound | ISTD Compound | RT | Response | ISTD Resp | Resp Ratio | Final Conc |
|-------------------|----------------------|-------|----------|-----------|------------|------------|
| Morphine | Morphine-D6 | 1.389 | 112322 | 105633 | 1.0633 | 22.5740 |
| Hydromorphone | Hydromorphone-D6 | 2.071 | 442382 | 729001 | 0.6068 | 22.3433 |
| Codeine | Codeine-D6 | 4.037 | 63614 | 117815 | 0.5399 | 23.5302 |
| Oxycodone | Oxycodone-D6 | 4.393 | 539947 | 830625 | 0.6500 | 22.4614 |
| Amphetamine | Amphetamine-D11 | 4.427 | 850342 | 520639 | 1.6333 | 26.2864 |
| Hydrocodone | Hydrocodone-D6 | 4.678 | 197161 | 491886 | 0.4008 | 23.1808 |
| Norhydrocodone | Norhydrocodone-D3 | 4.741 | 14506 | 136725 | 0.1061 | 30.5013 |
| Methamphetamine | Methamphetamine-D11 | 4.784 | 545549 | 539534 | 1.0111 | 22.1943 |
| 6-MAM | 6-MAM-D6 | 4.912 | 4860 | 98519 | 0.0493 | 2.1146 |
| Phentermine | Phentermine-D5 | 5.610 | 235817 | 842302 | 0.2800 | 24.2832 |
| Dextrophan | Dextrophan-D3 | 6.067 | 315944 | 1023169 | 0.3088 | 23.8769 |
| Tramadol | Tramadol-13C-D3 | 6.207 | 1667344 | 3654812 | 0.4562 | 24.3508 |
| 7-aminoclonazepam | 7-Aminoclonazepam-D4 | 6.219 | 453320 | 755521 | 0.6000 | 23.9271 |
| Metoprolol | Oxycodone-D6 | 6.325 | 160250 | 830625 | 0.1929 | 23.9372 |
| Doxylamine | Doxylamine-D5 | 6.526 | 927273 | 2559488 | 0.3623 | 22.8212 |
| Bupropion | Bupropion-D9 | 6.775 | 427179 | 552032 | 0.7738 | 23.7576 |
| Zolpidem | Zolpidem-D6 | 6.865 | 1701928 | 3993172 | 0.4262 | 23.0239 |
| Meprobamate | Meprobamate-D7 | 6.918 | 198083 | 324984 | 0.6095 | 23.3616 |
| Venlafaxine | Venlafaxine-D6 | 7.030 | 1509161 | 2424725 | 0.6224 | 21.9023 |
| Trazodone | Trazodone-D6 | 7.080 | 742737 | 989171 | 0.7509 | 22.1763 |

TS

ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

a cal 3-25ng

| Compound | ISTD Compound | RT | Response | ISTD Resp | Resp Ratio | Final Conc |
|---------------------|------------------------|-------|----------|-----------|------------|------------|
| Citalopram | Citalopram-D6 | 7.163 | 747747 | 1379065 | 0.5422 | 22.8228 |
| Dextromethorphan | Dextromethorphan-D3 | 7.194 | 257383 | 430581 | 0.5978 | 24.5198 |
| Diphenhydramine | Diphenhydramine-D3 | 7.218 | 1298424 | 2609230 | 0.4976 | 22.7409 |
| Promethazine | Promethazine-D3 | 7.393 | 1169277 | 1527835 | 0.7653 | 23.9083 |
| Clonazepam | Clonazepam-D4 | 7.469 | 604887 | 227083 | 2.6637 | 23.7668 |
| a-hydroxyalprazolam | a-hydroxyalprazolam-D5 | 7.525 | 114252 | 243781 | 0.4687 | 23.1663 |
| Carisoprodol | Carisoprodol-D7 | 7.558 | 497390 | 865789 | 0.5745 | 22.8907 |
| Lorazepam | Clonazepam-D4 | 7.567 | 256528 | 227083 | 1.1297 | 25.9856 |
| Alprazolam | Alprazolam-D5 | 7.612 | 1027087 | 1450291 | 0.7082 | 22.2982 |

TS

ISP FORENSICS - Pocatello Instrument # 59740

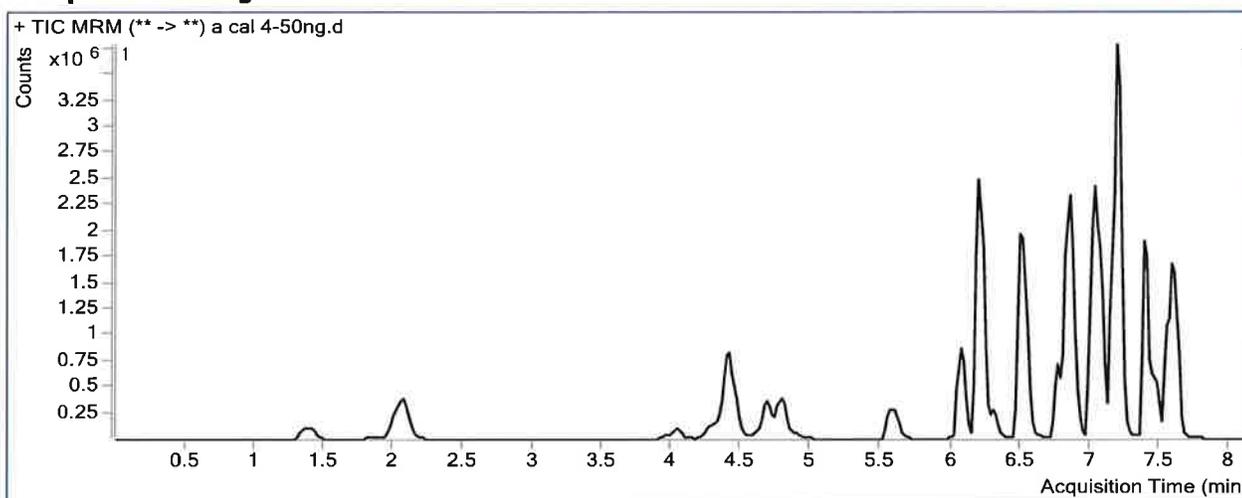
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wklst 2904 TS\QuantResults\P1a MDQ 012819.batch.bin
Analysis Time 1/29/2019 3:38 PM **Analyst Name** datastor
Report Time 1/29/2019 3:46 PM **Reporter Name** datastor
Last Calib Update 1/29/2019 3:37 PM **Batch State** Processed

Analysis Info

Acq Time 2019-01-28 15:26 **Data File** a cal 4-50ng.d
Sample Type Calibration **Sample Name** a cal 4-50ng.d
Dilution 1 **Acq Method** MD Quant Panel 1a 7-11-18.m
Position P1-D1 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

| Compound | ISTD Compound | RT | Response | ISTD Resp | Resp Ratio | Final Conc |
|-------------------|----------------------|-------|----------|-----------|------------|------------|
| Morphine | Morphine-D6 | 1.410 | 234436 | 104208 | 2.2497 | 46.1265 |
| Hydromorphone | Hydromorphone-D6 | 2.071 | 964939 | 740498 | 1.3031 | 46.4101 |
| Codeine | Codeine-D6 | 4.037 | 127678 | 121236 | 1.0531 | 43.6832 |
| Oxycodone | Oxycodone-D6 | 4.393 | 1188537 | 844770 | 1.4069 | 45.7878 |
| Amphetamine | Amphetamine-D11 | 4.427 | 1941801 | 598336 | 3.2453 | 54.3384 |
| Hydrocodone | Hydrocodone-D6 | 4.698 | 450952 | 512212 | 0.8804 | 49.9477 |
| Norhydrocodone | Norhydrocodone-D3 | 4.721 | 35243 | 137868 | 0.2556 | 49.8119 |
| Methamphetamine | Methamphetamine-D11 | 4.784 | 1347734 | 590382 | 2.2828 | 49.7911 |
| 6-MAM | 6-MAM-D6 | 4.912 | 11951 | 96618 | 0.1237 | 4.5601 |
| Phentermine | Phentermine-D5 | 5.610 | 582029 | 969884 | 0.6001 | 51.4005 |
| Dextrorphan | Dextrorphan-D3 | 6.067 | 756898 | 1225871 | 0.6174 | 45.8324 |
| Tramadol | Tramadol-13C-D3 | 6.207 | 3690678 | 4035434 | 0.9146 | 48.3286 |
| 7-aminoclonazepam | 7-Aminoclonazepam-D4 | 6.219 | 946064 | 740426 | 1.2777 | 50.2389 |
| Metoprolol | Oxycodone-D6 | 6.305 | 382103 | 844770 | 0.4523 | 55.4918 |
| Doxylamine | Doxylamine-D5 | 6.526 | 2210354 | 2852059 | 0.7750 | 47.9383 |
| Bupropion | Bupropion-D9 | 6.775 | 1034811 | 676745 | 1.5291 | 45.8652 |
| Zolpidem | Zolpidem-D6 | 6.845 | 3543764 | 3994298 | 0.8872 | 46.0203 |
| Meprobamate | Meprobamate-D7 | 6.918 | 377728 | 313482 | 1.2049 | 43.4957 |
| Venlafaxine | Venlafaxine-D6 | 7.030 | 3890815 | 2818193 | 1.3806 | 47.2651 |
| Trazodone | Trazodone-D6 | 7.080 | 2191833 | 1343061 | 1.6320 | 46.7894 |

TS

ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

a cal 4-50ng

| Compound | ISTD Compound | RT | Response | ISTD Resp | Resp Ratio | Final Conc |
|---------------------|------------------------|-------|----------|-----------|------------|------------|
| Citalopram | Citalopram-D6 | 7.163 | 2020159 | 1796610 | 1.1244 | 45.9190 |
| Dextromethorphan | Dextromethorphan-D3 | 7.195 | 757012 | 642158 | 1.1789 | 47.5969 |
| Diphenhydramine | Diphenhydramine-D3 | 7.218 | 3881606 | 3658687 | 1.0609 | 46.2906 |
| Promethazine | Promethazine-D3 | 7.393 | 3452553 | 2247725 | 1.5360 | 46.8174 |
| Clonazepam | Clonazepam-D4 | 7.469 | 1104208 | 189726 | 5.8200 | 51.2029 |
| a-hydroxyalprazolam | a-hydroxyalprazolam-D5 | 7.525 | 227497 | 228017 | 0.9977 | 47.8559 |
| Carisoprodol | Carisoprodol-D7 | 7.558 | 881067 | 705733 | 1.2484 | 48.8570 |
| Lorazepam | Clonazepam-D4 | 7.567 | 428668 | 189726 | 2.2594 | 52.7192 |
| Alprazolam | Alprazolam-D5 | 7.612 | 2001180 | 1359755 | 1.4717 | 45.2322 |

TS

ISP FORENSICS - Pocatello Instrument # 59740

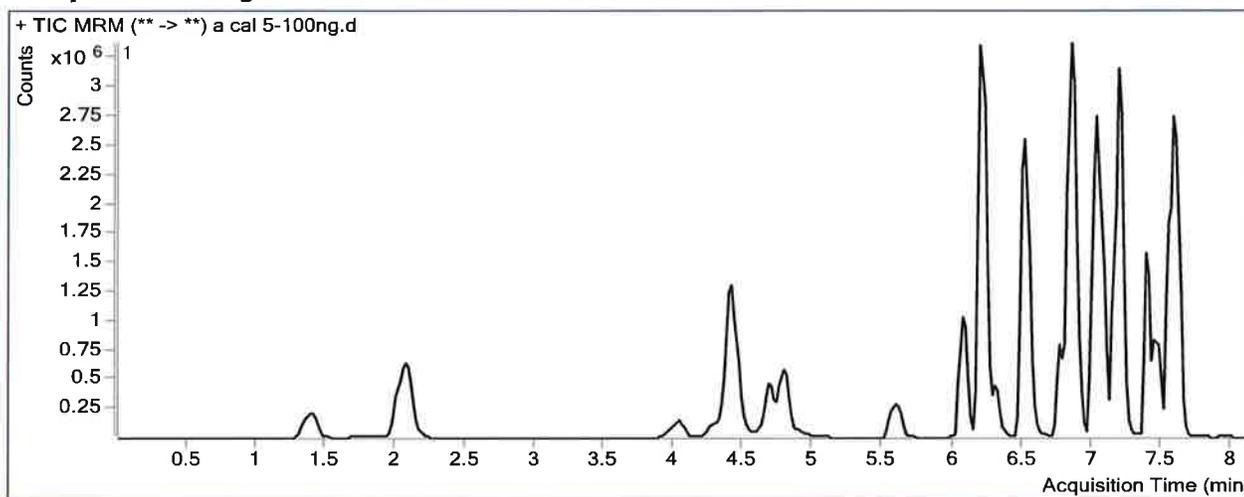
Multi-Drug Confirmatory Analysis Report

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Report Time 1/29/2019 3:46 PM **Reporter Name** datastor
Last Calib Update 1/29/2019 3:37 PM **Batch State** Processed

Analysis Info

Acq Time 2019-01-28 15:57 **Data File** a cal 5-100ng.d
Sample Type Calibration **Sample Name** a cal 5-100ng.d
Dilution 1 **Acq Method** MD Quant Panel 1a 7-11-18.m
Position P1-E1 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

| Compound | ISTD Compound | RT | Response | ISTD Resp | Resp Ratio | Final Conc |
|-------------------|----------------------|-------|----------|-----------|------------|------------|
| Morphine | Morphine-D6 | 1.389 | 481443 | 104559 | 4.6045 | 92.8760 |
| Hydromorphone | Hydromorphone-D6 | 2.071 | 1884345 | 663214 | 2.8412 | 99.5770 |
| Codeine | Codeine-D6 | 4.037 | 249925 | 107375 | 2.3276 | 93.7323 |
| Oxycodone | Oxycodone-D6 | 4.413 | 2254841 | 771803 | 2.9215 | 92.4658 |
| Amphetamine | Amphetamine-D11 | 4.427 | 2933788 | 451641 | 6.4958 | 110.9013 |
| Hydrocodone | Hydrocodone-D6 | 4.678 | 822557 | 454820 | 1.8085 | 101.7502 |
| Norhydrocodone | Norhydrocodone-D3 | 4.741 | 59847 | 114959 | 0.5206 | 84.0295 |
| Methamphetamine | Methamphetamine-D11 | 4.784 | 2033462 | 466923 | 4.3550 | 94.7608 |
| 6-MAM | 6-MAM-D6 | 4.892 | 23712 | 91005 | 0.2606 | 9.0610 |
| Phentermine | Phentermine-D5 | 5.610 | 873726 | 751441 | 1.1627 | 99.0588 |
| Dextrophan | Dextrophan-D3 | 6.067 | 1147005 | 862530 | 1.3298 | 96.5070 |
| Tramadol | Tramadol-13C-D3 | 6.207 | 6559764 | 3408132 | 1.9247 | 101.1725 |
| 7-aminoclonazepam | 7-Aminoclonazepam-D4 | 6.219 | 1800298 | 682914 | 2.6362 | 102.9803 |
| Metoprolol | Oxycodone-D6 | 6.325 | 618725 | 771803 | 0.8017 | 97.9898 |
| Doxylamine | Doxylamine-D5 | 6.526 | 3343130 | 2084108 | 1.6041 | 98.3960 |
| Bupropion | Bupropion-D9 | 6.775 | 1354403 | 392792 | 3.4481 | 102.0375 |
| Zolpidem | Zolpidem-D6 | 6.845 | 6967840 | 3586775 | 1.9426 | 98.6701 |
| Meprobamate | Meprobamate-D7 | 6.918 | 744925 | 272977 | 2.7289 | 95.0272 |
| Venlafaxine | Venlafaxine-D6 | 7.030 | 5903465 | 1983792 | 2.9758 | 100.6281 |
| Trazodone | Trazodone-D6 | 7.080 | 2208567 | 641696 | 3.4418 | 97.3453 |

ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

IS

a cal 5-100ng

| Compound | ISTD Compound | RT | Response | ISTD Resp | Resp Ratio | Final Conc |
|---------------------|------------------------|-------|----------|-----------|------------|------------|
| Citalopram | Citalopram-D6 | 7.163 | 2240847 | 940062 | 2.3837 | 95.8747 |
| Dextromethorphan | Dextromethorphan-D3 | 7.194 | 744206 | 300583 | 2.4759 | 99.1051 |
| Diphenhydramine | Diphenhydramine-D3 | 7.218 | 3751275 | 1727965 | 2.1709 | 92.6955 |
| Promethazine | Promethazine-D3 | 7.393 | 3459027 | 1099323 | 3.1465 | 94.6891 |
| Clonazepam | Clonazepam-D4 | 7.469 | 1924941 | 178059 | 10.8107 | 94.5848 |
| a-hydroxyalprazolam | a-hydroxyalprazolam-D5 | 7.525 | 428645 | 201892 | 2.1231 | 100.3766 |
| Carisoprodol | Carisoprodol-D7 | 7.558 | 1712671 | 768627 | 2.2282 | 86.6065 |
| Lorazepam | Clonazepam-D4 | 7.567 | 697528 | 178059 | 3.9174 | 91.9532 |
| Alprazolam | Alprazolam-D5 | 7.612 | 3963003 | 1244301 | 3.1849 | 96.6913 |

TS

ISP FORENSICS - Pocatello Instrument # 59740

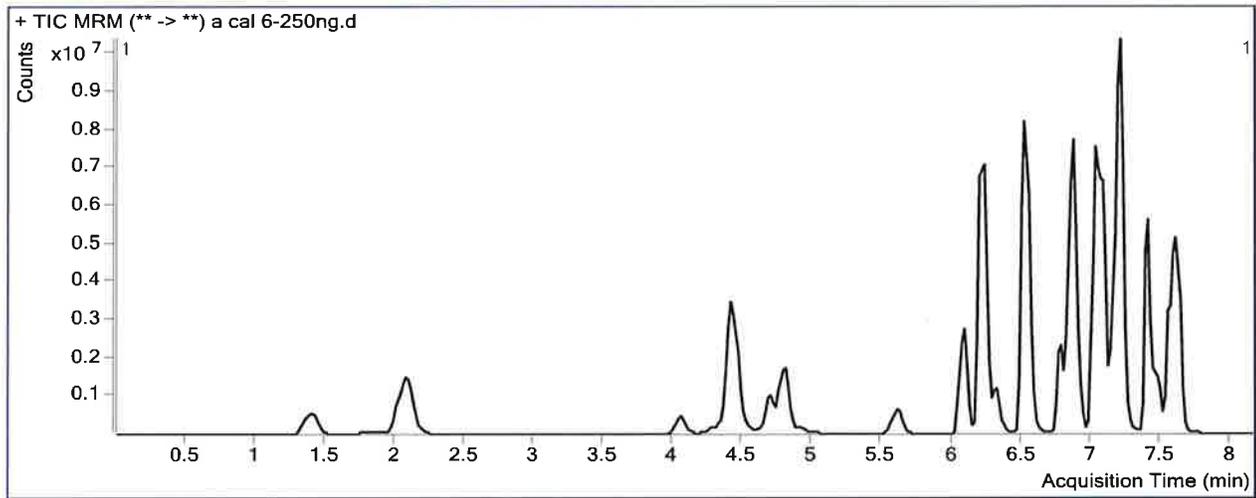
Multi-Drug Confirmatory Analysis Report

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Report Time 1/29/2019 3:47 PM **Reporter Name** datastor
Last Calib Update 1/29/2019 3:37 PM **Batch State** Processed

Analysis Info

Acq Time 2019-01-28 16:29 **Data File** a cal 6-250ng.d
Sample Type Calibration **Sample Name** a cal 6-250ng.d
Dilution 1 **Acq Method** MD Quant Panel 1a 7-11-18.m
Position P1-F1 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

| Compound | ISTD Compound | RT | Response | ISTD Resp | Resp Ratio | Final Conc |
|-------------------|----------------------|-------|----------|-----------|------------|------------|
| Morphine | Morphine-D6 | 1.410 | 1261949 | 101108 | 12.4812 | 249.2498 |
| Hydromorphone | Hydromorphone-D6 | 2.091 | 4911399 | 659062 | 7.4521 | 258.9552 |
| Codeine | Codeine-D6 | 4.057 | 634392 | 101616 | 6.2430 | 247.4932 |
| Oxycodone | Oxycodone-D6 | 4.413 | 5953114 | 776920 | 7.6625 | 238.5758 |
| Amphetamine | Amphetamine-D11 | 4.427 | 7855089 | 533037 | 14.7365 | 254.2987 |
| Hydrocodone | Hydrocodone-D6 | 4.698 | 2210721 | 479416 | 4.6113 | 258.1823 |
| Norhydrocodone | Norhydrocodone-D3 | 4.741 | 192506 | 117517 | 1.6381 | 228.3438 |
| Methamphetamine | Methamphetamine-D11 | 4.804 | 6112112 | 516831 | 11.8261 | 256.8935 |
| 6-MAM | 6-MAM-D6 | 4.912 | 68738 | 91092 | 0.7546 | 25.3076 |
| Phentermine | Phentermine-D5 | 5.610 | 2509206 | 869585 | 2.8855 | 244.9889 |
| Dextrophan | Dextrophan-D3 | 6.087 | 3527410 | 1051881 | 3.3534 | 240.4558 |
| Tramadol | Tramadol-13C-D3 | 6.227 | 18863115 | 3888933 | 4.8505 | 254.2225 |
| 7-aminoclonazepam | 7-Aminoclonazepam-D4 | 6.219 | 3727719 | 572981 | 6.5058 | 253.2153 |
| Metoprolol | Oxycodone-D6 | 6.325 | 1736362 | 776920 | 2.2349 | 272.3471 |
| Doxylamine | Doxylamine-D5 | 6.526 | 11215658 | 2681712 | 4.1823 | 255.2989 |
| Bupropion | Bupropion-D9 | 6.795 | 4474815 | 518996 | 8.6221 | 253.4833 |
| Zolpidem | Zolpidem-D6 | 6.865 | 18334827 | 3701821 | 4.9529 | 248.8351 |
| Meprobamate | Meprobamate-D7 | 6.918 | 1656642 | 246158 | 6.7300 | 230.3215 |
| Venlafaxine | Venlafaxine-D6 | 7.030 | 18855654 | 2403034 | 7.8466 | 263.5611 |
| Trazodone | Trazodone-D6 | 7.080 | 9231378 | 1029811 | 8.9642 | 251.6107 |

TS

ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

a cal 6-250ng

| Compound | ISTD Compound | RT | Response | ISTD Resp | Resp Ratio | Final Conc |
|---------------------|------------------------|-----------|-----------------|------------------|-------------------|-------------------|
| Citalopram | Citalopram-D6 | 7.163 | 8295590 | 1288129 | 6.4400 | 256.7865 |
| Dextromethorphan | Dextromethorphan-D3 | 7.195 | 3022397 | 487052 | 6.2055 | 247.2186 |
| Diphenhydramine | Diphenhydramine-D3 | 7.218 | 16237863 | 2724662 | 5.9596 | 251.0868 |
| Promethazine | Promethazine-D3 | 7.413 | 13760906 | 1579546 | 8.7119 | 260.1213 |
| Clonazepam | Clonazepam-D4 | 7.469 | 3563953 | 125947 | 28.2974 | 246.5889 |
| a-hydroxyalprazolam | a-hydroxyalprazolam-D5 | 7.545 | 845298 | 160272 | 5.2741 | 247.4266 |
| Carisoprodol | Carisoprodol-D7 | 7.578 | 3678921 | 552952 | 6.6532 | 257.0960 |
| Lorazepam | Clonazepam-D4 | 7.587 | 1195375 | 125947 | 9.4911 | 223.8480 |
| Alprazolam | Alprazolam-D5 | 7.612 | 8515482 | 1011952 | 8.4149 | 253.7836 |

TS

ISP FORENSICS - Pocatello Instrument # 59740

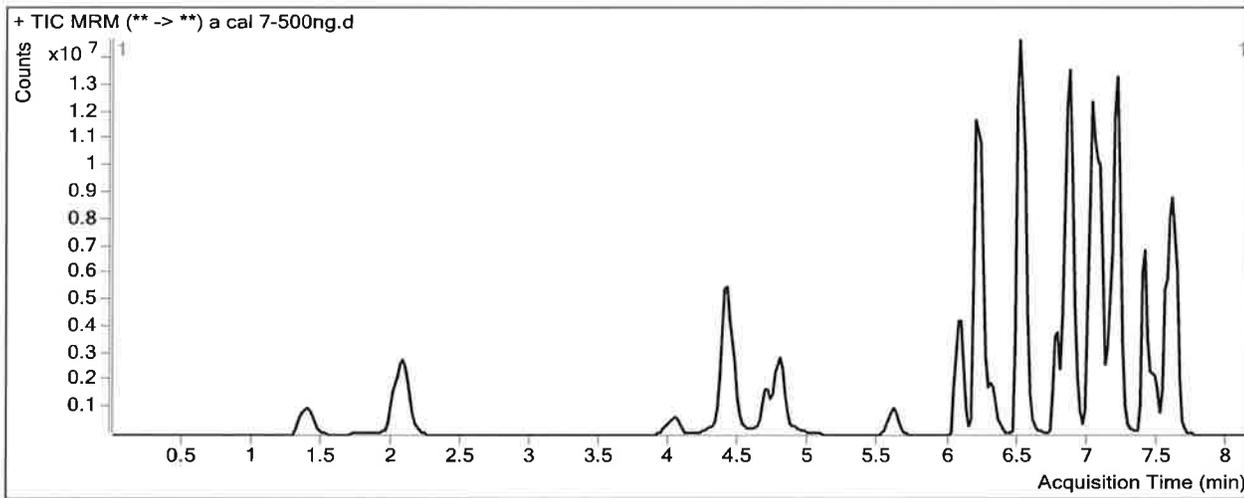
Multi-Drug Confirmatory Analysis Report

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Analysis Time 1/29/2019 3:38 PM **Analyst Name** datastor
Report Time 1/29/2019 3:47 PM **Reporter Name** datastor
Last Calib Update 1/29/2019 3:37 PM **Batch State** Processed

Analysis Info

Acq Time 2019-01-28 17:00 **Data File** a cal 7-500ng.d
Sample Type Calibration **Sample Name** a cal 7-500ng.d
Dilution 1 **Acq Method** MD Quant Panel 1a 7-11-18.m
Position P1-G1 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

| Compound | ISTD Compound | RT | Response | ISTD Resp | Resp Ratio | Final Conc |
|-------------------|----------------------|-------|----------|-----------|------------|------------|
| Morphine | Morphine-D6 | 1.389 | 2502679 | 93593 | 26.7399 | 532.3239 |
| Hydromorphone | Hydromorphone-D6 | 2.071 | 9584926 | 633734 | 15.1245 | 524.1587 |
| Codeine | Codeine-D6 | 4.037 | 1230578 | 96230 | 12.7879 | 504.5133 |
| Oxycodone | Oxycodone-D6 | 4.413 | 11930223 | 739448 | 16.1340 | 499.6583 |
| Amphetamine | Amphetamine-D11 | 4.427 | 12116675 | 431298 | 28.0935 | 486.7279 |
| Hydrocodone | Hydrocodone-D6 | 4.678 | 4177506 | 454097 | 9.1996 | 514.2738 |
| Norhydrocodone | Norhydrocodone-D3 | 4.741 | 362466 | 97329 | 3.7241 | 497.7266 |
| Methamphetamine | Methamphetamine-D11 | 4.784 | 9954070 | 411969 | 24.1622 | 524.6014 |
| 6-MAM | 6-MAM-D6 | 4.912 | 136702 | 88349 | 1.5473 | 51.3758 |
| Phentermine | Phentermine-D5 | 5.610 | 4077977 | 675175 | 6.0399 | 512.1819 |
| Dextrophan | Dextrophan-D3 | 6.087 | 5976580 | 860351 | 6.9467 | 496.0593 |
| Tramadol | Tramadol-13C-D3 | 6.207 | 34527877 | 3297906 | 10.4696 | 548.1720 |
| 7-aminoclonazepam | 7-Aminoclonazepam-D4 | 6.219 | 6250172 | 470547 | 13.2828 | 516.3241 |
| Metoprolol | Oxycodone-D6 | 6.325 | 2888121 | 739448 | 3.9058 | 475.6063 |
| Doxylamine | Doxylamine-D5 | 6.526 | 21022938 | 2372672 | 8.8604 | 540.0042 |
| Bupropion | Bupropion-D9 | 6.795 | 7401458 | 416691 | 17.7625 | 521.0320 |
| Zolpidem | Zolpidem-D6 | 6.865 | 36498796 | 3329273 | 10.9630 | 548.6427 |
| Meprobamate | Meprobamate-D7 | 6.918 | 2894574 | 196965 | 14.6959 | 499.6846 |
| Venlafaxine | Venlafaxine-D6 | 7.030 | 34575182 | 1987359 | 17.3976 | 583.0529 |
| Trazodone | Trazodone-D6 | 7.080 | 13716587 | 743829 | 18.4405 | 516.3286 |

ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

TS

a cal 7-500ng

| Compound | ISTD Compound | RT | Response | ISTD Resp | Resp Ratio | Final Conc |
|---------------------|------------------------|-------|----------|-----------|------------|------------|
| Citalopram | Citalopram-D6 | 7.163 | 11334503 | 835744 | 13.5622 | 539.3185 |
| Dextromethorphan | Dextromethorphan-D3 | 7.194 | 3971011 | 306726 | 12.9464 | 514.9206 |
| Diphenhydramine | Diphenhydramine-D3 | 7.218 | 22292094 | 1795016 | 12.4189 | 521.1277 |
| Promethazine | Promethazine-D3 | 7.413 | 17547475 | 1000788 | 17.5337 | 522.3465 |
| Clonazepam | Clonazepam-D4 | 7.469 | 5590759 | 91556 | 61.0637 | 531.4126 |
| a-hydroxyalprazolam | a-hydroxyalprazolam-D5 | 7.545 | 1458702 | 130271 | 11.1974 | 523.8523 |
| Carisoprodol | Carisoprodol-D7 | 7.578 | 6492488 | 465537 | 13.9462 | 538.0846 |
| Lorazepam | Clonazepam-D4 | 7.587 | 1897935 | 91556 | 20.7297 | 489.7935 |
| Alprazolam | Alprazolam-D5 | 7.612 | 15724867 | 869126 | 18.0927 | 544.4749 |

TS

ISP FORENSICS - Pocatello Instrument # 59740

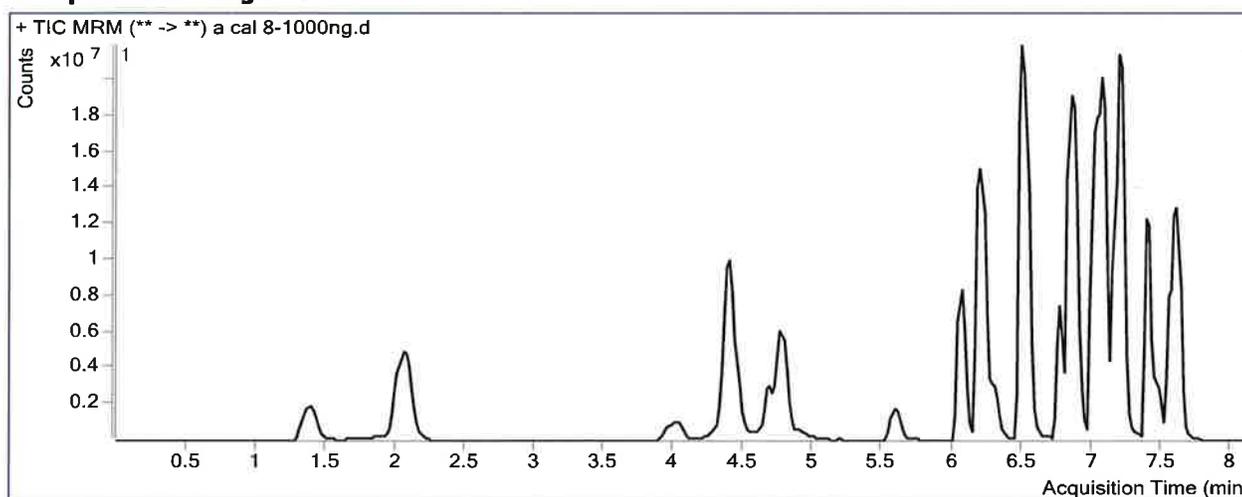
Multi-Drug Confirmatory Analysis Report

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Analysis Time 1/29/2019 3:38 PM **Analyst Name** datastor
Report Time 1/29/2019 3:47 PM **Reporter Name** datastor
Last Calib Update 1/29/2019 3:37 PM **Batch State** Processed

Analysis Info

Acq Time 2019-01-28 17:32 **Data File** a cal 8-1000ng.d
Sample Type Calibration **Sample Name** a cal 8-1000ng.d
Dilution 1 **Acq Method** MD Quant Panel 1a 7-11-18.m
Position P1-H1 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

| Compound | ISTD Compound | RT | Response | ISTD Resp | Resp Ratio | Final Conc |
|-------------------|----------------------|-------|----------|-----------|------------|------------|
| Morphine | Morphine-D6 | 1.389 | 4899203 | 82928 | 59.0781 | 1174.3246 |
| Hydromorphone | Hydromorphone-D6 | 2.051 | 18520020 | 578668 | 32.0046 | 1107.6301 |
| Codeine | Codeine-D6 | 4.017 | 2290938 | 89203 | 25.6823 | 1010.8866 |
| Oxycodone | Oxycodone-D6 | 4.393 | 24400705 | 735765 | 33.1637 | 1024.4965 |
| Amphetamine | Amphetamine-D11 | 4.407 | 21701249 | 465442 | 46.6250 | 809.1982 |
| Hydrocodone | Hydrocodone-D6 | 4.678 | 7902411 | 434231 | 18.1986 | 1016.5448 |
| Norhydrocodone | Norhydrocodone-D3 | 4.721 | 614963 | 78027 | 7.8814 | 1034.5870 |
| Methamphetamine | Methamphetamine-D11 | 4.764 | 22659918 | 442573 | 51.2004 | 1111.3658 |
| 6-MAM | 6-MAM-D6 | 4.892 | 266402 | 88234 | 3.0193 | 99.7824 |
| Phentermine | Phentermine-D5 | 5.590 | 8019236 | 661164 | 12.1290 | 1027.9628 |
| Dextrophan | Dextrophan-D3 | 6.067 | 11390019 | 794742 | 14.3317 | 1021.3909 |
| Tramadol | Tramadol-13C-D3 | 6.207 | 54551550 | 3003735 | 18.1612 | 950.5340 |
| 7-aminoclonazepam | 7-Aminoclonazepam-D4 | 6.219 | 8113677 | 322736 | 25.1403 | 976.6807 |
| Metoprolol | Oxycodone-D6 | 6.305 | 4621655 | 735765 | 6.2814 | 764.6044 |
| Doxylamine | Doxylamine-D5 | 6.506 | 41204914 | 2385788 | 17.2710 | 1051.8545 |
| Bupropion | Bupropion-D9 | 6.775 | 12744582 | 363050 | 35.1042 | 1028.6414 |
| Zolpidem | Zolpidem-D6 | 6.845 | 58087064 | 3026215 | 19.1946 | 959.2709 |
| Meprobamate | Meprobamate-D7 | 6.918 | 4527086 | 148809 | 30.4221 | 1031.4572 |
| Venlafaxine | Venlafaxine-D6 | 7.030 | 51600771 | 1902213 | 27.1267 | 908.5054 |
| Trazodone | Trazodone-D6 | 7.080 | 29138519 | 703071 | 41.4446 | 1158.9387 |

ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

TS

a cal 8-1000ng

| Compound | ISTD Compound | RT | Response | ISTD Resp | Resp Ratio | Final Conc |
|---------------------|------------------------|-------|----------|-----------|------------|------------|
| Citalopram | Citalopram-D6 | 7.163 | 19776421 | 710243 | 27.8446 | 1105.8953 |
| Dextromethorphan | Dextromethorphan-D3 | 7.194 | 7369060 | 275594 | 26.7388 | 1062.6552 |
| Diphenhydramine | Diphenhydramine-D3 | 7.218 | 39057878 | 1652488 | 23.6358 | 990.0685 |
| Promethazine | Promethazine-D3 | 7.393 | 34823958 | 955433 | 36.4484 | 1084.5853 |
| Clonazepam | Clonazepam-D4 | 7.469 | 7229256 | 61785 | 117.0073 | 1017.7061 |
| a-hydroxyalprazolam | a-hydroxyalprazolam-D5 | 7.525 | 2236976 | 96685 | 23.1366 | 1081.0270 |
| Carisoprodol | Carisoprodol-D7 | 7.558 | 9217493 | 313414 | 29.4099 | 1133.8779 |
| Lorazepam | Clonazepam-D4 | 7.587 | 2921577 | 61785 | 47.2864 | 1118.2208 |
| Alprazolam | Alprazolam-D5 | 7.612 | 24690110 | 658825 | 37.4760 | 1126.6863 |

TS

ISP FORENSICS - Pocatello Instrument # 59740

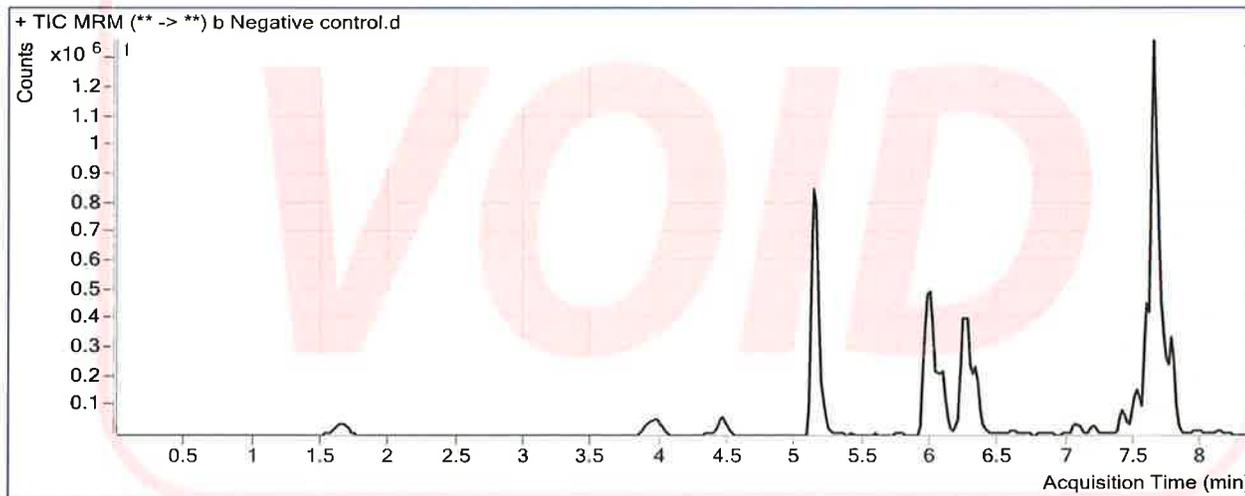
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wk1st 2904 TS\QuantResults\P1b MDQ 012819.batch.bin
Analysis Time 1/29/2019 3:41 PM **Analyst Name** datastor
Report Time 1/29/2019 3:58 PM **Reporter Name** datastor
Last Calib Update 1/29/2019 3:41 PM **Batch State** Processed

Analysis Info

Acq Time 2019-01-28 19:22 **Data File** b Negative control.d
Sample Type Sample **Sample Name** b Negative control.d
Dilution 1 **Acq Method** MD Quant Panel 1b 7-11-18.m
Position P1-E2 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

| Compound | ISTD Compound | RT | Response | ISTD Resp | Resp Ratio | Final Conc |
|------------|---------------|-------|----------|-----------|------------|------------|
| Quetiapine | Quetiapine-D8 | 7.418 | 56816 | 214715 | 0.2646 | 3.6314 |
| Methadone | Methadone-D9 | 7.502 | 131471 | 295280 | 0.4452 | 14.6267 |

* Negative control was re injected due to signs of carryover. - TS

TS

ISP FORENSICS - Pocatello Instrument # 59740

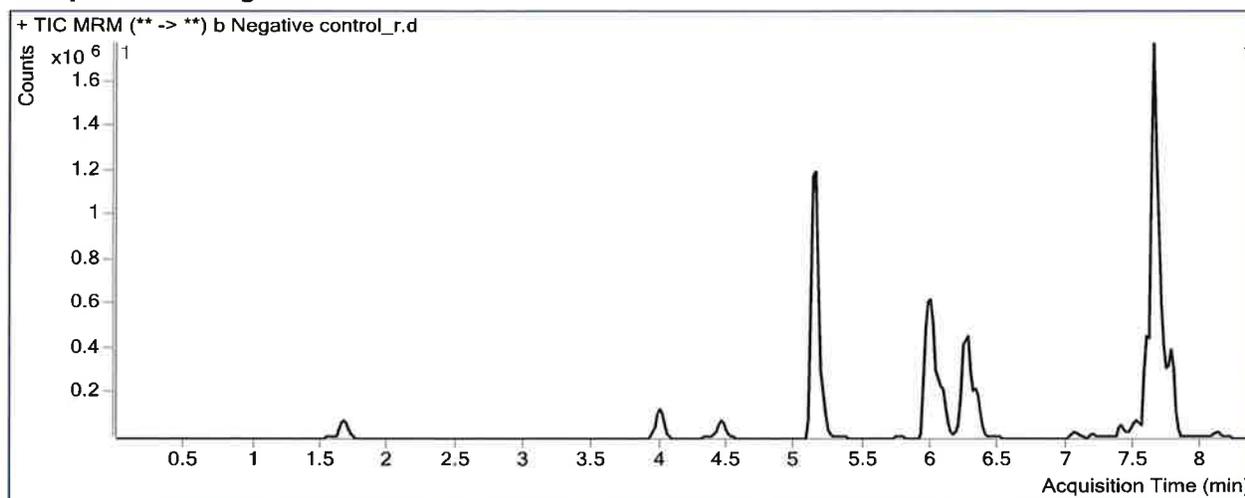
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wk1st 2904 TS\QuantResults\P1b MDQ 012819.
Analysis Time 1/29/2019 3:41 PM **Analyst Name** datastor
Report Time 1/29/2019 4:00 PM **Reporter Name** datastor
Last Calib Update 1/29/2019 3:41 PM **Batch State** Processed

Analysis Info

Acq Time 2019-01-29 09:48 **Data File** b Negative control_r.d
Sample Type Sample **Sample Name** b Negative control_r.d
Dilution 1 **Acq Method** MD Quant Panel 1b 7-11-18.m
Position P1-E2 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



TS

ISP FORENSICS - Pocatello Instrument # 59740

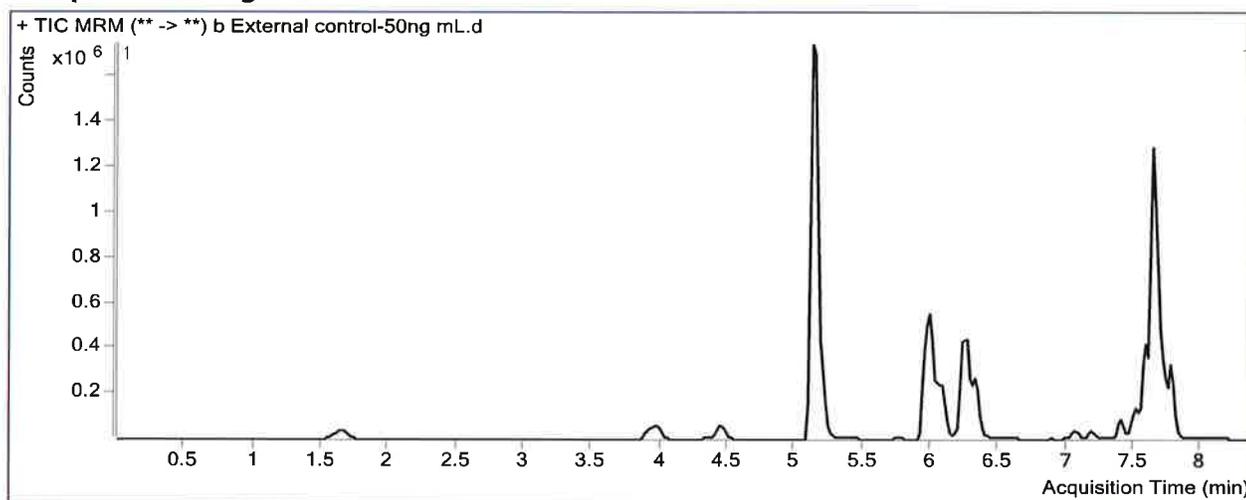
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wk1st 2904 TS\QuantResults\P1b MDQ 012819.batch.bin
Analysis Time 1/29/2019 3:41 PM **Analyst Name** datastor
Report Time 1/29/2019 3:58 PM **Reporter Name** datastor
Last Calib Update 1/29/2019 3:41 PM **Batch State** Processed

Analysis Info

Acq Time 2019-01-28 19:54 **Data File** b External control-50ng mL.d
Sample Type Sample **Sample Name** b External control-50ng mL.d
Dilution 1 **Acq Method** MD Quant Panel 1b 7-11-18.m
Position P1-F2 **Sample Info**
Inj Vol -1 **Comment** AM 28; WS121218 50 ng Fluoxetine, O-desmethyl Tramadol, Amphetamin

Sample Chromatogram



Results

| Compound | ISTD Compound | RT | Response | ISTD Resp | Resp Ratio | Final Conc |
|-----------------------------|-------------------------|-------|----------|-----------|------------|----------------|
| <u>O-desmethyl-tramadol</u> | O-desmethyl-tramadol-D6 | 5.161 | 3778689 | 3668262 | 1.0301 | <u>48.0046</u> |
| <u>Fluoxetine</u> | Fluoxetine-D6 | 7.562 | 197348 | 150881 | 1.3080 | <u>49.6852</u> |

TS

ISP FORENSICS - Pocatello Instrument # 59740

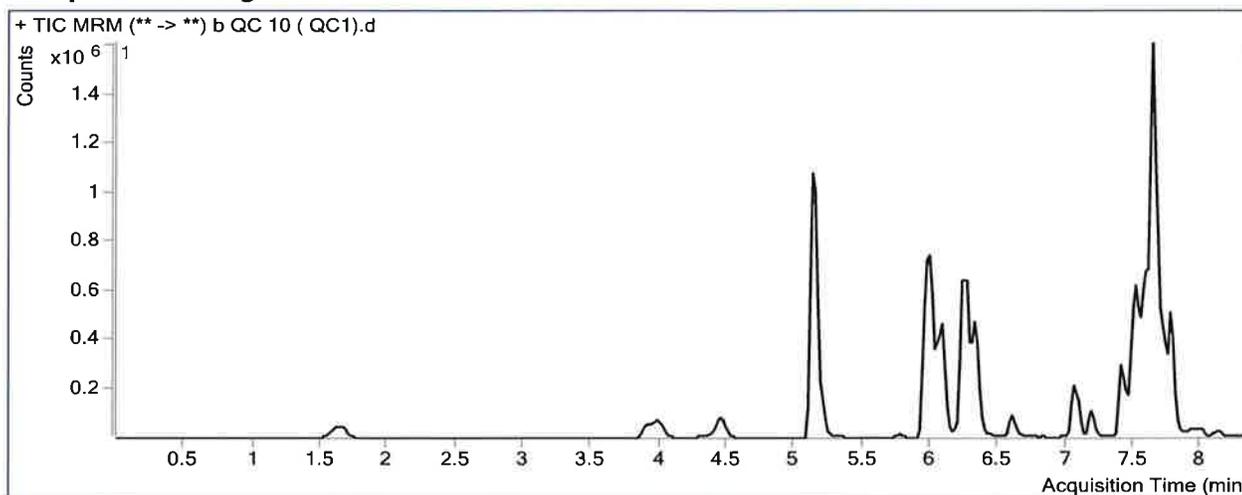
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wk1st 2904 TS\QuantResults\P1b MDQ 012819.batch.bin
Analysis Time 1/29/2019 3:41 PM **Analyst Name** datastor
Report Time 1/29/2019 3:58 PM **Reporter Name** datastor
Last Calib Update 1/29/2019 3:41 PM **Batch State** Processed

Analysis Info

Acq Time 2019-01-28 20:57 **Data File** b QC 10 (QC1).d
Sample Type QC **Sample Name** b QC 10 (QC1).d
Dilution 1 **Acq Method** MD Quant Panel 1b 7-11-18.m
Position P1-A2 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

| Compound | ISTD Compound | RT | Response | ISTD Resp | Resp Ratio | Final Conc |
|-----------------------------|--------------------------------|------------------|-------------------|--------------------|-------------------|---|
| Oxymorphone | Oxymorphone-D3 | 1.648 | 72437 | 322313 | 0.2247 | 8.8666 |
| Dihydrocodeine | Dihydrocodeine-D6 | 4.010 | 74968 | 440414 | 0.1702 | 10.0751 |
| Noroxycodone | Noroxycodone-D3 | 4.478 | 98252 | 383788 | 0.2560 | 10.4090 |
| O-desmethyl-tramadol | O-desmethyl-tramadol-D6 | 5.161 | 771953 | 3831003 | 0.2015 | 10.0413 |
| Benzylecgonine | Benzylecgonine-d8 | 5.791 | 7126 | 34949 | 0.2039 | 37.3395 <i>outside curve range. - TS</i> |
| Ketamine | Ketamine-D4 | 5.982 | 406800 | 1658712 | 0.2453 | 10.1536 |
| Norfentanyl | Norfentanyl-D5 | 6.044 | 35430 | 1935182 | 0.0183 | 1.4978 <i>outside curve range. - TS</i> |
| Cocaine | Cocaine-d3 | 6.232 | 155749 | 2046769 | 0.0761 | 9.9171 |
| alpha-PVP | alpha-PVP-d8 | 6.328 | 216308 | 1288184 | 0.1679 | 9.9557 |
| Mirtazapine | alpha-PVP-d8 | 6.604 | 184731 | 1288184 | 0.1434 | 8.0636 |
| Norbuprenorphine | Norbuprenorphine-D3 | 6.974 | 762 | 25612 | 0.0298 | 2.9161 <i>outside curve range. TS</i> |
| Fentanyl | Fentanyl-D5 | 7.059 | 11328 | 681066 | 0.0166 | 1.0312 |
| Mitragynine | Methadone-D9 | 7.156 | 48625 | 1282250 | 0.0379 | 8.7516 |
| EDDP | EDDP-D3 | 7.188 | 42889 | 241803 | 0.1774 | 9.7636 |
| Quetiapine | Quetiapine-D8 | 7.418 | 388850 | 430703 | 0.9028 | 10.6669 |
| Cyclobenzaprine | Cyclobenzaprine-D3 | 7.472 | 78575 | 304963 | 0.2577 | 11.5750 |
| Methadone | Methadone-D9 | 7.502 | 438843 | 1282250 | 0.3422 | 11.4323 |
| Fluoxetine | Fluoxetine-D6 | 7.542 | 241254 | 878013 | 0.2748 | 11.0174 |
| Oxazepam | Oxazepam-D5 | 7.608 | 169595 | 1072789 | 0.1581 | 19.4325 <i>outside curve range. - TS</i> |

TS

ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

b GC 10 (QC1)

| Compound | ISTD Compound | RT | Response | ISTD Resp | Resp Ratio | Final Conc |
|--------------------------|-----------------------------|------------------|-----------------|-------------------|-------------------|--|
| Sertraline | Sertraline-D3 | 7.604 | 70289 | 404052 | 0.1740 | 9.3907 |
| Temazepam | Temazepam-D5 | 7.647 | 676227 | 3732451 | 0.1812 | 9.7232 |
| Buprenorphine | Buprenorphine-D4 | 7.637 | 9781 | 257881 | 0.0379 | 2.0961 Not evaluated. TS |
| Nordiazepam | Nordiazepam-D5 | 7.735 | 299798 | 830627 | 0.3609 | 10.2149 |
| Diazepam | Diazepam-D5 | 7.771 | 207179 | 914017 | 0.2267 | 10.8144 |

TS

ISP FORENSICS - Pocatello Instrument # 59740

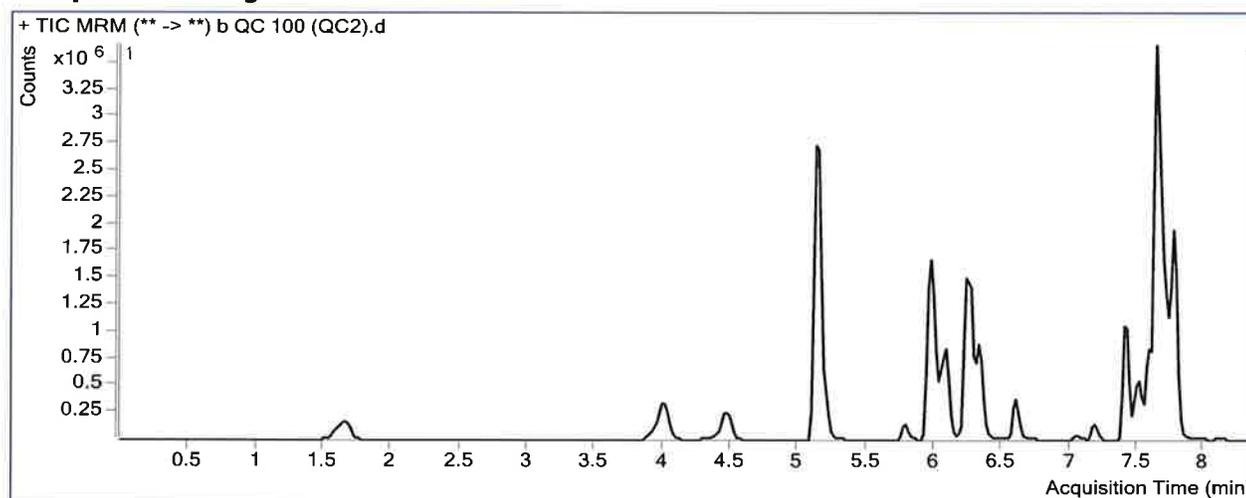
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wkst 2904 TS\QuantResults\P1b MDQ 012819.batch.bin
Analysis Time 1/29/2019 3:41 PM **Analyst Name** datastor
Report Time 1/29/2019 3:58 PM **Reporter Name** datastor
Last Calib Update 1/29/2019 3:41 PM **Batch State** Processed

Analysis Info

Acq Time 2019-01-28 23:02 **Data File** b QC 100 (QC2).d
Sample Type QC **Sample Name** b QC 100 (QC2).d
Dilution 1 **Acq Method** MD Quant Panel 1b 7-11-18.m
Position P1-B2 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

| Compound | ISTD Compound | RT | Response | ISTD Resp | Resp Ratio | Final Conc |
|----------------------|-------------------------|-------|----------|-----------|------------|------------|
| Oxymorphone | Oxymorphone-D3 | 1.668 | 832124 | 305821 | 2.7209 | 93.2018 |
| Dihydrocodeine | Dihydrocodeine-D6 | 4.010 | 822872 | 420892 | 1.9551 | 101.6361 |
| Noroxycodone | Noroxycodone-D3 | 4.478 | 978200 | 323093 | 3.0276 | 93.7587 |
| O-desmethyl-tramadol | O-desmethyl-tramadol-D6 | 5.161 | 7891806 | 3684191 | 2.1421 | 98.9507 |
| Benzoylcegonine | Benzoylcegonine-d8 | 5.791 | 158828 | 33501 | 4.7410 | 191.0728 |
| Ketamine | Ketamine-D4 | 5.982 | 3811043 | 1498422 | 2.5434 | 95.9118 |
| Norfentanyl | Norfentanyl-D5 | 6.024 | 316583 | 1516045 | 0.2088 | 9.2063 |
| Cocaine | Cocaine-d3 | 6.232 | 1320487 | 1580178 | 0.8357 | 97.5949 |
| alpha-PVP | alpha-PVP-d8 | 6.328 | 1413244 | 813448 | 1.7373 | 92.4169 |
| Mirtazapine | alpha-PVP-d8 | 6.604 | 781630 | 813448 | 0.9609 | 47.2026 |
| Norbuprenorphine | Norbuprenorphine-D3 | 6.994 | 1559 | 8611 | 0.1810 | 10.9878 |
| Fentanyl | Fentanyl-D5 | 7.059 | 19268 | 122543 | 0.1572 | 8.2221 |
| Mitragynine | Methadone-D9 | 7.156 | 113189 | 303432 | 0.3730 | 78.6501 |
| EDDP | EDDP-D3 | 7.188 | 204347 | 97121 | 2.1040 | 95.1093 |
| Quetiapine | Quetiapine-D8 | 7.418 | 2455306 | 255019 | 9.6279 | 106.8508 |
| Cyclobenzaprine | Cyclobenzaprine-D3 | 7.472 | 164194 | 55425 | 2.9624 | 105.6530 |
| Methadone | Methadone-D9 | 7.502 | 949565 | 303432 | 3.1294 | 97.8728 |
| Fluoxetine | Fluoxetine-D6 | 7.542 | 501575 | 201013 | 2.4952 | 94.1191 |
| Oxazepam | Oxazepam-D5 | 7.608 | 1037031 | 645737 | 1.6060 | 89.8009 |

TS

ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

bQC 100 (QC2)

| Compound | ISTD Compound | RT | Response | ISTD Resp | Resp Ratio | Final Conc |
|--------------------------|-----------------------------|------------------|------------------|------------------|-------------------|----------------------------------|
| Sertraline | Sertraline-D3 | 7.604 | 137985 | 74688 | 1.8475 | 90.4254 |
| Temazepam | Temazepam-D5 | 7.647 | 5858884 | 3304877 | 1.7728 | 83.3673 |
| Buprenorphine | Buprenorphine-D4 | 7.637 | 19717 | 52362 | 0.3766 | 8.7408 not evaluated. |
| Nordiazepam | Nordiazepam-D5 | 7.715 | 2470652 | 744128 | 3.3202 | 85.4327 |
| Diazepam | Diazepam-D5 | 7.771 | 2149111 | 894893 | 2.4015 | 91.7624 |

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ISP FORENSICS - Pocatello Instrument # 59740

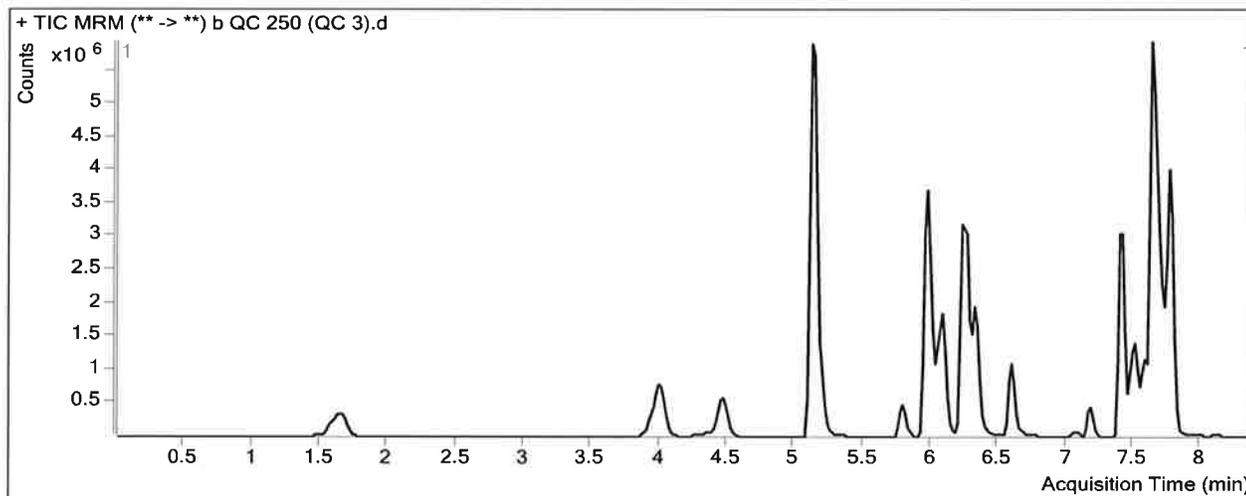
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wklst 2904 TS\QuantResults\P1b MDQ 012819.batch.bin
Analysis Time 1/29/2019 3:41 PM **Analyst Name** datastor
Report Time 1/29/2019 3:59 PM **Reporter Name** datastor
Last Calib Update 1/29/2019 3:41 PM **Batch State** Processed

Analysis Info

Acq Time 2019-01-29 01:40 **Data File** b QC 250 (QC 3).d
Sample Type QC **Sample Name** b QC 250 (QC 3).d
Dilution 1 **Acq Method** MD Quant Panel 1b 7-11-18.m
Position P1-C2 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

| Compound | ISTD Compound | RT | Response | ISTD Resp | Resp Ratio | Final Conc |
|----------------------|-------------------------|-------|----------|-----------|------------|------------|
| Oxymorphone | Oxymorphone-D3 | 1.648 | 2125441 | 296192 | 7.1759 | 243.7131 |
| Dihydrocodeine | Dihydrocodeine-D6 | 4.010 | 2091588 | 414138 | 5.0505 | 260.4278 |
| Noroxycodone | Noroxycodone-D3 | 4.478 | 2432458 | 304676 | 7.9838 | 242.8032 |
| O-desmethyl-tramadol | O-desmethyl-tramadol-D6 | 5.140 | 20980077 | 3584612 | 5.8528 | 268.9627 |
| Benzoylcegonine | Benzoylcegonine-d8 | 5.791 | 567344 | 35421 | 16.0170 | 573.1465 |
| Ketamine | Ketamine-D4 | 5.982 | 10261719 | 1537078 | 6.6761 | 250.1320 |
| Norfentanyl | Norfentanyl-D5 | 6.044 | 872323 | 1487004 | 0.5866 | 24.4932 |
| Cocaine | Cocaine-d3 | 6.232 | 3277848 | 1568183 | 2.0902 | 242.4118 |
| alpha-PVP | alpha-PVP-d8 | 6.328 | 3704730 | 814753 | 4.5471 | 240.0446 |
| Mirtazapine | alpha-PVP-d8 | 6.604 | 2287161 | 814753 | 2.8072 | 135.5990 |
| Norbuprenorphine | Norbuprenorphine-D3 | 6.994 | 3333 | 7111 | 0.4688 | 26.3491 |
| Fentanyl | Fentanyl-D5 | 7.059 | 52686 | 132046 | 0.3990 | 20.5866 |
| Mitragynine | Methadone-D9 | 7.156 | 329810 | 331231 | 0.9957 | 208.5328 |
| EDDP | EDDP-D3 | 7.188 | 679309 | 112760 | 6.0244 | 268.7688 |
| Quetiapine | Quetiapine-D8 | 7.418 | 7426727 | 277509 | 26.7622 | 295.7352 |
| Cyclobenzaprine | Cyclobenzaprine-D3 | 7.472 | 466453 | 67049 | 6.9569 | 244.5886 |
| Methadone | Methadone-D9 | 7.502 | 2774214 | 331231 | 8.3755 | 260.5729 |
| Fluoxetine | Fluoxetine-D6 | 7.542 | 1282421 | 201737 | 6.3569 | 238.6421 |
| Oxazepam | Oxazepam-D5 | 7.588 | 1454646 | 340934 | 4.2666 | 219.1128 |

TS

ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

b GC 250 (QC3)

| Compound | ISTD Compound | RT | Response | ISTD Resp | Resp Ratio | Final Conc |
|--------------------------|-----------------------------|------------------|------------------|------------------|-------------------|---|
| Sertraline | Sertraline-D3 | 7.604 | 335859 | 81694 | 4.1112 | 200.0373 |
| Temazepam | Temazepam-D5 | 7.647 | 13195107 | 2411765 | 5.4711 | 254.4887 |
| Buprenorphine | Buprenorphine-D4 | 7.616 | 50471 | 51216 | 0.9854 | 20.6886 Not evaluated. TS |
| Nordiazepam | Nordiazepam-D5 | 7.715 | 4977274 | 525091 | 9.4789 | 241.9722 |
| Diazepam | Diazepam-D5 | 7.771 | 5059360 | 803208 | 6.2989 | 236.8236 |

TS

ISP FORENSICS - Pocatello Instrument # 59740

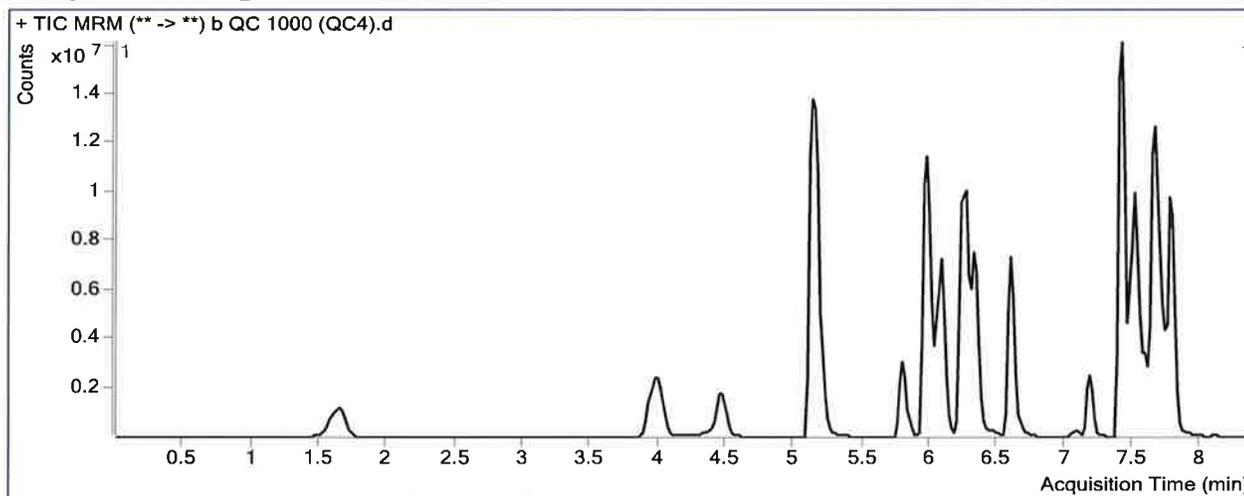
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wklst 2904 TS\QuantResults\P1b MDQ 012819.batch.bin
Analysis Time 1/29/2019 3:41 PM **Analyst Name** datastor
Report Time 1/29/2019 3:59 PM **Reporter Name** datastor
Last Calib Update 1/29/2019 3:41 PM **Batch State** Processed

Analysis Info

Acq Time 2019-01-29 05:04 **Data File** b QC 1000 (QC4).d
Sample Type QC **Sample Name** b QC 1000 (QC4).d
Dilution 1 **Acq Method** MD Quant Panel 1b 7-11-18.m
Position P1-D2 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

| Compound | ISTD Compound | RT | Response | ISTD Resp | Resp Ratio | Final Conc |
|----------------------|-------------------------|-------|----------|-----------|------------|------------|
| Oxymorphone | Oxymorphone-D3 | 1.648 | 7687020 | 260410 | 29.5189 | 998.5799 |
| Dihydrocodeine | Dihydrocodeine-D6 | 3.990 | 7566029 | 387712 | 19.5146 | 1002.4260 |
| Noroxycodone | Noroxycodone-D3 | 4.478 | 8062265 | 225365 | 35.7742 | 1078.5368 |
| O-desmethyl-tramadol | O-desmethyl-tramadol-D6 | 5.140 | 66243243 | 3031198 | 21.8538 | 1002.0665 |
| Benzoylcegonine | Benzoylcegonine-d8 | 5.791 | 3895625 | 32451 | 120.0481 | 4098.1212 |
| Ketamine | Ketamine-D4 | 5.982 | 40574131 | 1367252 | 29.6757 | 1108.3978 |
| Norfentanyl | Norfentanyl-D5 | 6.044 | 3604428 | 1404318 | 2.5667 | 104.6096 |
| Cocaine | Cocaine-d3 | 6.252 | 11639766 | 1299383 | 8.9579 | 1035.1650 |
| alpha-PVP | alpha-PVP-d8 | 6.328 | 17181173 | 860794 | 19.9597 | 1049.8543 |
| Mirtazapine | alpha-PVP-d8 | 6.604 | 16307358 | 860794 | 18.9445 | 908.2168 |
| Norbuprenorphine | Norbuprenorphine-D3 | 6.994 | 18320 | 9618 | 1.9047 | 102.9869 |
| Fentanyl | Fentanyl-D5 | 7.079 | 419107 | 191869 | 2.1843 | 111.8940 |
| Mitragynine | Methadone-D9 | 7.156 | 2049835 | 569509 | 3.5993 | 751.6059 |
| EDDP | EDDP-D3 | 7.188 | 4364495 | 174001 | 25.0831 | 1113.0164 |
| Quetiapine | Quetiapine-D8 | 7.418 | 39005093 | 424109 | 91.9696 | 1014.5692 |
| Cyclobenzaprine | Cyclobenzaprine-D3 | 7.472 | 3062408 | 110291 | 27.7666 | 968.3944 |
| Methadone | Methadone-D9 | 7.502 | 21131651 | 569509 | 37.1050 | 1151.5845 |
| Fluoxetine | Fluoxetine-D6 | 7.542 | 7475362 | 259947 | 28.7572 | 1076.9810 |
| Oxazepam | Oxazepam-D5 | 7.588 | 3190102 | 159719 | 19.9732 | 982.4687 |

TS

ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

b QC 1000 (QC4)

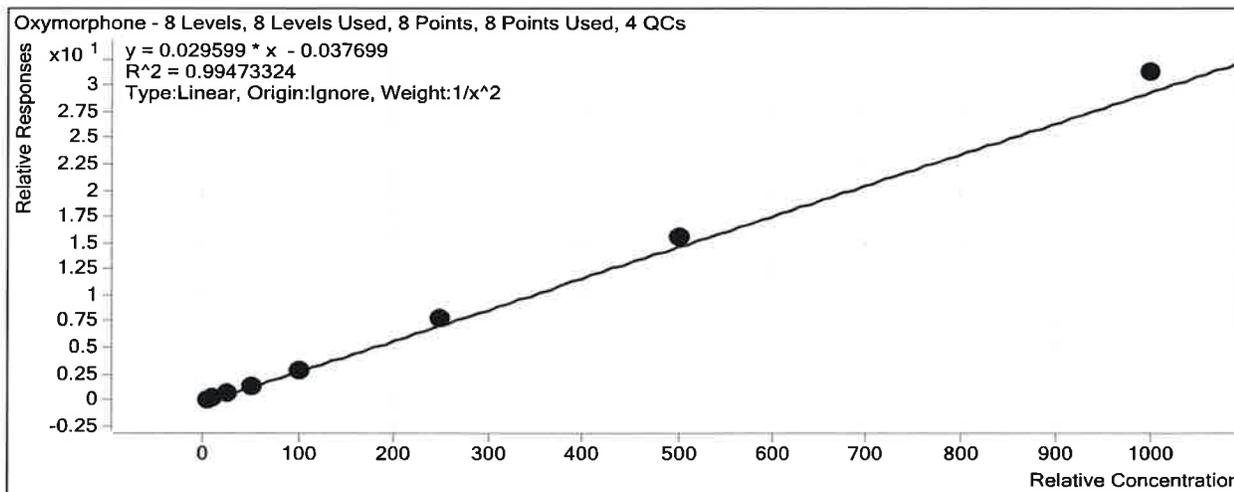
| Compound | ISTD Compound | RT | Response | ISTD Resp | Resp Ratio | Final Conc |
|--------------------------|-----------------------------|------------------|-------------------|------------------|-------------------|--|
| Sertraline | Sertraline-D3 | 7.604 | 1640936 | 84960 | 19.3142 | 936.1909 |
| Temazepam | Temazepam-D5 | 7.667 | 31136810 | 1286551 | 24.2018 | 1121.1511 |
| Buprenorphine | Buprenorphine-D4 | 7.637 | 235627 | 41683 | 5.6528 | 112.2741 Not evaluated. TS |
| Nordiazepam | Nordiazepam-D5 | 7.735 | 9512983 | 224616 | 42.3522 | 1077.5361 |
| Diazepam | Diazepam-D5 | 7.771 | 14060969 | 509311 | 27.6078 | 1029.9381 |

TS

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wk1st 2904 TS\QuantResults\P1b MDQ 012819.batch.bin
Last Calib Update 1/29/2019 3:41 PM **Analyst Name** ISP TOX

Target Compound Oxymorphone
Internal Standard Oxymorphone-D3



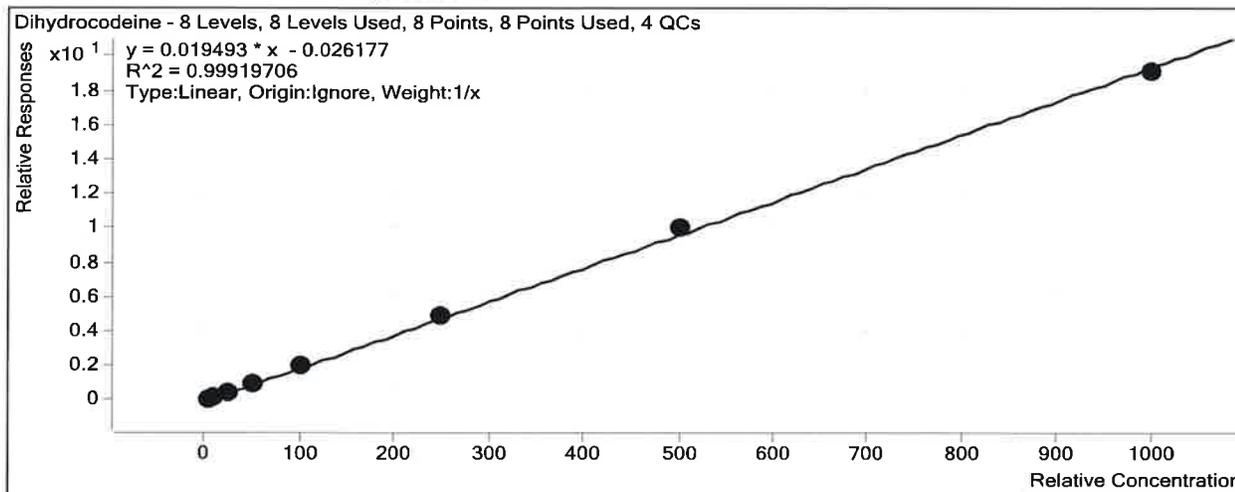
| Sample | Level | Enabled | Exp Conc | Final Conc | Accuracy |
|-------------------|-------|-------------------------------------|----------|------------|----------|
| b cal 1-5ng.d | 1 | <input checked="" type="checkbox"/> | 5 | 5.3 | 105.1 |
| b cal 2-10ng.d | 2 | <input checked="" type="checkbox"/> | 10 | 9.5 | 94.6 |
| b QC 10 (QC1).d | 2 | <input checked="" type="checkbox"/> | 10 | 8.9 | 88.7 |
| b cal 3-25ng.d | 3 | <input checked="" type="checkbox"/> | 25 | 22.6 | 90.3 |
| b cal 4-50ng.d | 4 | <input checked="" type="checkbox"/> | 50 | 46.8 | 93.6 |
| b cal 5-100ng.d | 5 | <input checked="" type="checkbox"/> | 100 | 100.1 | 100.1 |
| b QC 100 (QC2).d | 5 | <input checked="" type="checkbox"/> | 100 | 93.2 | 93.2 |
| b cal 6-250ng.d | 6 | <input checked="" type="checkbox"/> | 250 | 261.6 | 104.6 |
| b QC 250 (QC 3).d | 6 | <input checked="" type="checkbox"/> | 250 | 243.7 | 97.5 |
| b cal 7-500ng.d | 7 | <input checked="" type="checkbox"/> | 500 | 529.2 | 105.8 |
| b cal 8-1000ng.d | 8 | <input checked="" type="checkbox"/> | 1000 | 1058.1 | 105.8 |
| b QC 1000 (QC4).d | 8 | <input checked="" type="checkbox"/> | 1000 | 998.6 | 99.9 |

TS

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wk1st 2904 TS\QuantResults\P1b MDQ 012819.batch.bin
Last Calib Update 1/29/2019 3:41 PM **Analyst Name** ISP TOX

Target Compound Dihydrocodeine
Internal Standard Dihydrocodeine-D6



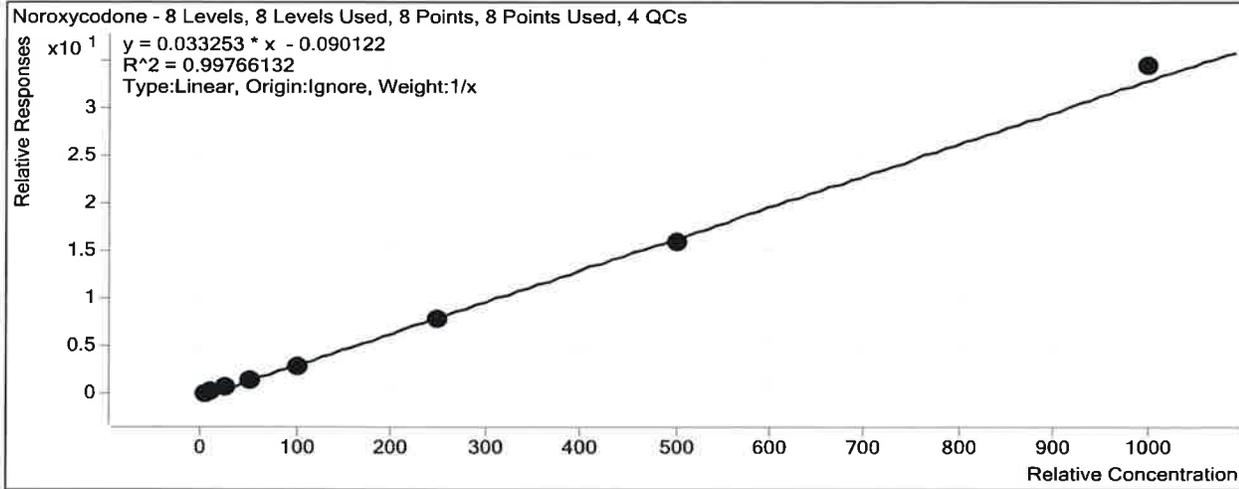
| Sample | Level | Enabled | Exp Conc | Final Conc | Accuracy |
|-------------------|-------|-------------------------------------|----------|------------|----------|
| b cal 1-5ng.d | 1 | <input checked="" type="checkbox"/> | 5 | 5.5 | 109.3 |
| b cal 2-10ng.d | 2 | <input checked="" type="checkbox"/> | 10 | 9.7 | 97.0 |
| b QC 10 (QC1).d | 2 | <input checked="" type="checkbox"/> | 10 | 10.1 | 100.8 |
| b cal 3-25ng.d | 3 | <input checked="" type="checkbox"/> | 25 | 23.1 | 92.5 |
| b cal 4-50ng.d | 4 | <input checked="" type="checkbox"/> | 50 | 47.9 | 95.9 |
| b cal 5-100ng.d | 5 | <input checked="" type="checkbox"/> | 100 | 102.7 | 102.7 |
| b QC 100 (QC2).d | 5 | <input checked="" type="checkbox"/> | 100 | 101.6 | 101.6 |
| b cal 6-250ng.d | 6 | <input checked="" type="checkbox"/> | 250 | 252.1 | 100.8 |
| b QC 250 (QC 3).d | 6 | <input type="checkbox"/> | 250 | 260.4 | 104.2 |
| b cal 7-500ng.d | 7 | <input checked="" type="checkbox"/> | 500 | 518.4 | 103.7 |
| b cal 8-1000ng.d | 8 | <input checked="" type="checkbox"/> | 1000 | 980.5 | 98.1 |
| b QC 1000 (QC4).d | 8 | <input checked="" type="checkbox"/> | 1000 | 1002.4 | 100.2 |

TS

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wklist 2904 TS\QuantResults\P1b MDQ 012819.batch.bin
Last Calib Update 1/29/2019 3:41 PM **Analyst Name** ISP TOX

Target Compound *Noroxycodone*
Internal Standard *Noroxycodone-D3*



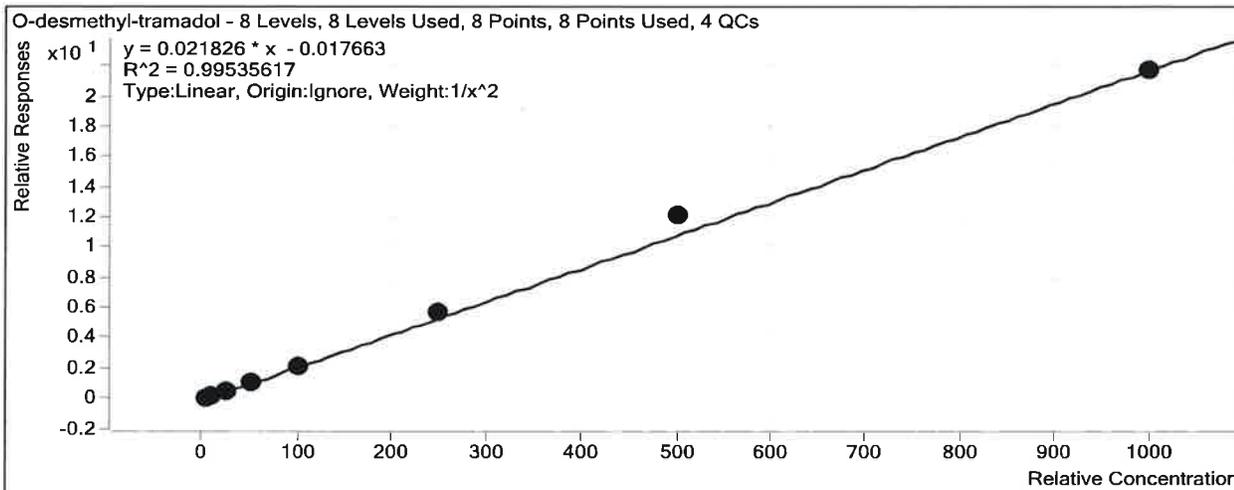
| Sample | Level | Enabled | Exp Conc | Final Conc | Accuracy |
|-------------------|-------|-------------------------------------|----------|------------|----------|
| b cal 1-5ng.d | 1 | <input checked="" type="checkbox"/> | 5 | 6.5 | 129.2 |
| b cal 2-10ng.d | 2 | <input checked="" type="checkbox"/> | 10 | 10.2 | 102.0 |
| b QC 10 (QC1).d | 2 | <input checked="" type="checkbox"/> | 10 | 10.4 | 104.1 |
| b cal 3-25ng.d | 3 | <input checked="" type="checkbox"/> | 25 | 21.9 | 87.4 |
| b cal 4-50ng.d | 4 | <input checked="" type="checkbox"/> | 50 | 46.1 | 92.2 |
| b cal 5-100ng.d | 5 | <input checked="" type="checkbox"/> | 100 | 92.7 | 92.7 |
| b QC 100 (QC2).d | 5 | <input checked="" type="checkbox"/> | 100 | 93.8 | 93.8 |
| b cal 6-250ng.d | 6 | <input checked="" type="checkbox"/> | 250 | 239.3 | 95.7 |
| b QC 250 (QC 3).d | 6 | <input checked="" type="checkbox"/> | 250 | 242.8 | 97.1 |
| b cal 7-500ng.d | 7 | <input checked="" type="checkbox"/> | 500 | 484.2 | 96.8 |
| b cal 8-1000ng.d | 8 | <input checked="" type="checkbox"/> | 1000 | 1039.1 | 103.9 |
| b QC 1000 (QC4).d | 8 | <input checked="" type="checkbox"/> | 1000 | 1078.5 | 107.9 |

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ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wk1st 2904 TS\QuantResults\P1b MDQ 012819.batch.bin
Last Calib Update 1/29/2019 3:41 PM **Analyst Name** ISP TOX

Target Compound *O-desmethyl-tramadol*
Internal Standard *O-desmethyl-tramadol-D6*



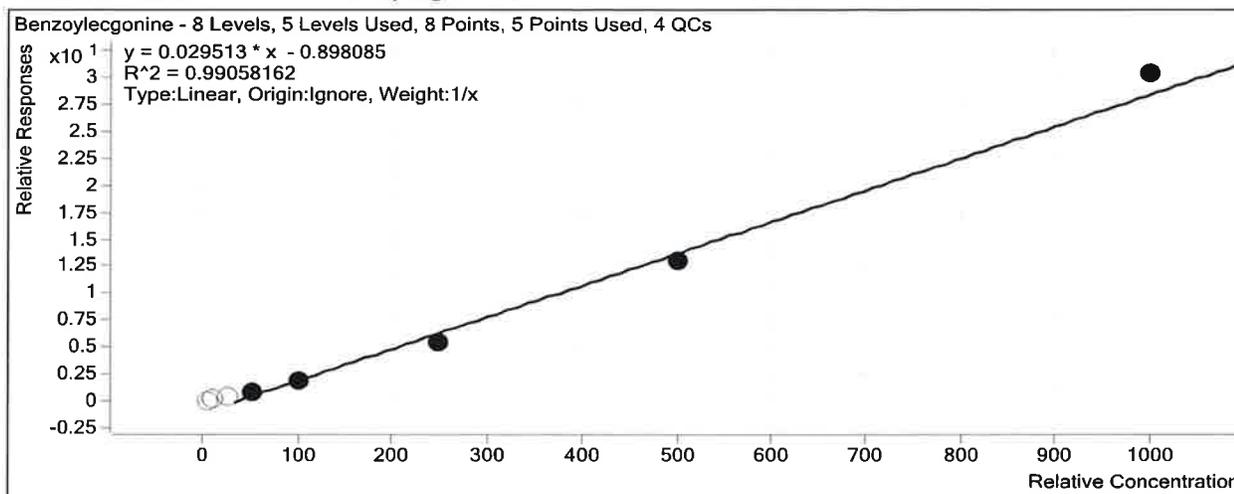
| Sample | Level | Enabled | Exp Conc | Final Conc | Accuracy |
|-------------------|-------|-------------------------------------|----------|------------|----------|
| b cal 1-5ng.d | 1 | <input checked="" type="checkbox"/> | 5 | 5.2 | 103.7 |
| b cal 2-10ng.d | 2 | <input checked="" type="checkbox"/> | 10 | 9.6 | 96.5 |
| b QC 10 (QC1).d | 2 | <input checked="" type="checkbox"/> | 10 | 10.0 | 100.4 |
| b cal 3-25ng.d | 3 | <input checked="" type="checkbox"/> | 25 | 23.1 | 92.4 |
| b cal 4-50ng.d | 4 | <input checked="" type="checkbox"/> | 50 | 47.4 | 94.8 |
| b cal 5-100ng.d | 5 | <input checked="" type="checkbox"/> | 100 | 98.5 | 98.5 |
| b QC 100 (QC2).d | 5 | <input checked="" type="checkbox"/> | 100 | 99.0 | 99.0 |
| b cal 6-250ng.d | 6 | <input checked="" type="checkbox"/> | 250 | 259.7 | 103.9 |
| b QC 250 (QC 3).d | 6 | <input checked="" type="checkbox"/> | 250 | 269.0 | 107.6 |
| b cal 7-500ng.d | 7 | <input checked="" type="checkbox"/> | 500 | 554.2 | 110.8 |
| b cal 8-1000ng.d | 8 | <input checked="" type="checkbox"/> | 1000 | 993.5 | 99.4 |
| b QC 1000 (QC4).d | 8 | <input checked="" type="checkbox"/> | 1000 | 1002.1 | 100.2 |

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wk1st 2904 TS\QuantResults\P1b MDQ 012819.batch.bin
Last Calib Update 1/29/2019 3:41 PM **Analyst Name** ISP TOX

Target Compound Benzoylecgonine
Internal Standard Benzoylecgonine-d8



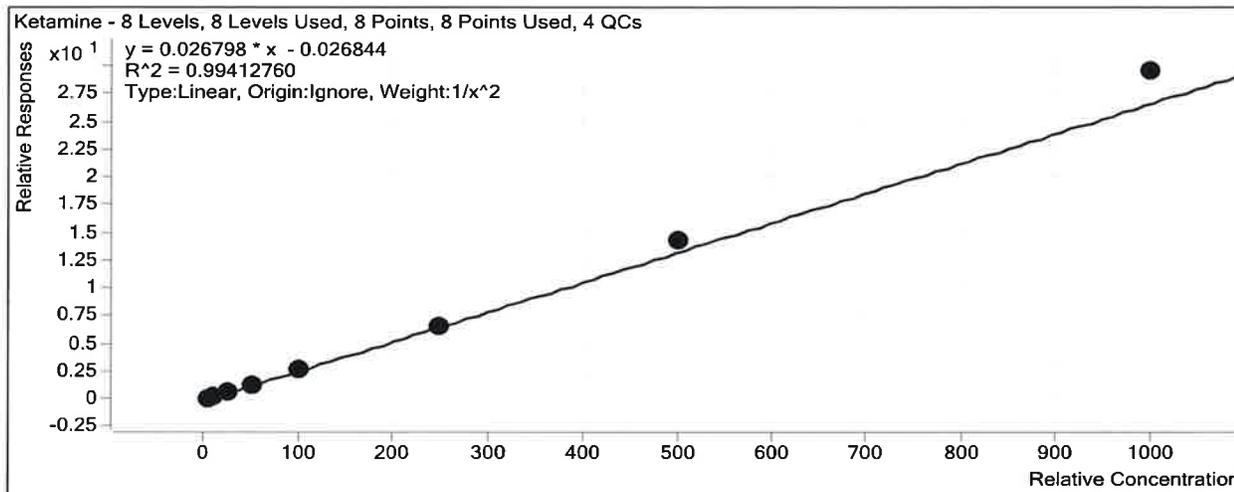
| Sample | Level | Enabled | Exp Conc | Final Conc | Accuracy |
|-------------------|-------|-------------------------------------|----------|------------|----------|
| b cal 1-5ng.d | 1 | <input type="checkbox"/> | 5 | 33.3 | 665.5 |
| b cal 2-10ng.d | 2 | <input type="checkbox"/> | 10 | 35.1 | 350.9 |
| b QC 10 (QC1).d | 2 | <input checked="" type="checkbox"/> | 10 | 37.3 | 373.4 |
| b cal 3-25ng.d | 3 | <input type="checkbox"/> | 25 | 44.5 | 177.9 |
| b cal 4-50ng.d | 4 | <input checked="" type="checkbox"/> | 50 | 58.6 | 117.1 |
| b cal 5-100ng.d | 5 | <input checked="" type="checkbox"/> | 100 | 96.8 | 96.8 |
| b QC 100 (QC2).d | 5 | <input checked="" type="checkbox"/> | 100 | 191.1 | 191.1 |
| b cal 6-250ng.d | 6 | <input checked="" type="checkbox"/> | 250 | 215.3 | 86.1 |
| b QC 250 (QC3).d | 6 | <input checked="" type="checkbox"/> | 250 | 573.1 | 229.3 |
| b cal 7-500ng.d | 7 | <input checked="" type="checkbox"/> | 500 | 470.2 | 94.0 |
| b cal 8-1000ng.d | 8 | <input checked="" type="checkbox"/> | 1000 | 1059.1 | 105.9 |
| b QC 1000 (QC4).d | 8 | <input type="checkbox"/> | 1000 | 4098.1 | 409.8 |

TS

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wk1st 2904 TS\QuantResults\P1b MDQ 012819.batch.bin
Last Calib Update 1/29/2019 3:41 PM **Analyst Name** ISP TOX

Target Compound Ketamine
Internal Standard Ketamine-D4



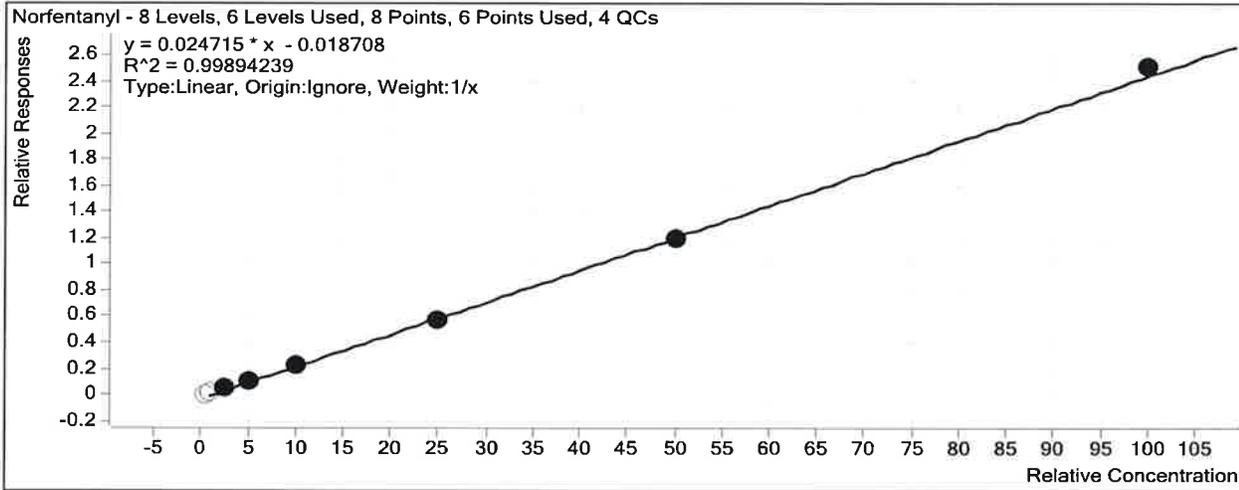
| Sample | Level | Enabled | Exp Conc | Final Conc | Accuracy |
|-------------------|-------|-------------------------------------|----------|------------|----------|
| b cal 1-5ng.d | 1 | <input checked="" type="checkbox"/> | 5 | 5.2 | 104.7 |
| b cal 2-10ng.d | 2 | <input checked="" type="checkbox"/> | 10 | 9.5 | 94.9 |
| b QC 10 (QC1).d | 2 | <input checked="" type="checkbox"/> | 10 | 10.2 | 101.5 |
| b cal 3-25ng.d | 3 | <input checked="" type="checkbox"/> | 25 | 23.2 | 92.8 |
| b cal 4-50ng.d | 4 | <input checked="" type="checkbox"/> | 50 | 46.3 | 92.5 |
| b cal 5-100ng.d | 5 | <input checked="" type="checkbox"/> | 100 | 98.5 | 98.5 |
| b QC 100 (QC2).d | 5 | <input checked="" type="checkbox"/> | 100 | 95.9 | 95.9 |
| b cal 6-250ng.d | 6 | <input checked="" type="checkbox"/> | 250 | 248.5 | 99.4 |
| b QC 250 (QC 3).d | 6 | <input checked="" type="checkbox"/> | 250 | 250.1 | 100.1 |
| b cal 7-500ng.d | 7 | <input checked="" type="checkbox"/> | 500 | 534.2 | 106.8 |
| b cal 8-1000ng.d | 8 | <input checked="" type="checkbox"/> | 1000 | 1103.0 | 110.3 |
| b QC 1000 (QC4).d | 8 | <input checked="" type="checkbox"/> | 1000 | 1108.4 | 110.8 |

TS

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wk1st 2904 TS\QuantResults\P1b MDQ 012819.batch.bin
Last Calib Update 1/29/2019 3:41 PM **Analyst Name** ISP TOX

Target Compound Norfentanyl
Internal Standard Norfentanyl-D5



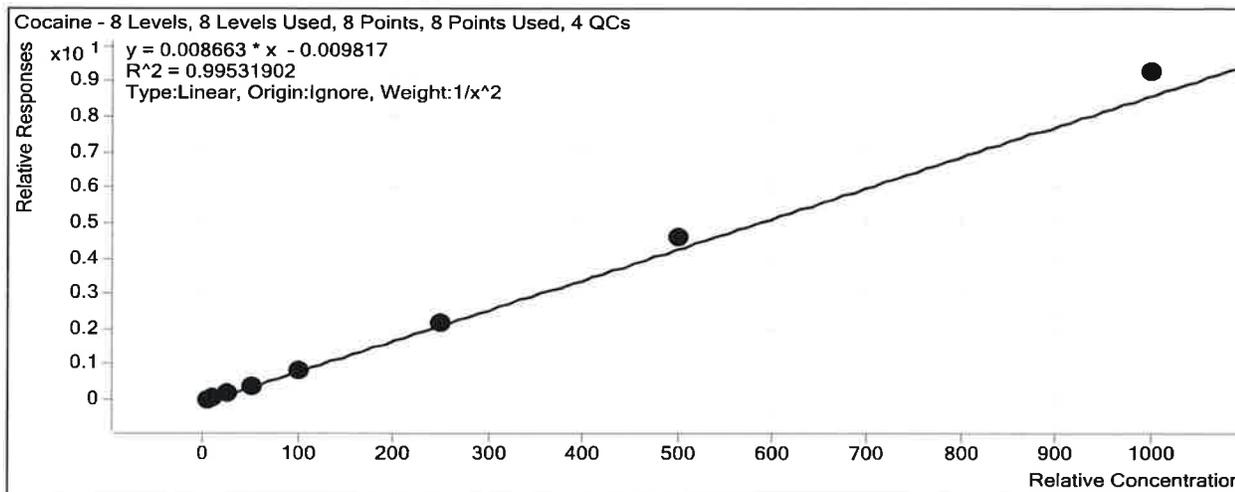
| Sample | Level | Enabled | Exp Conc | Final Conc | Accuracy |
|-------------------|-------|-------------------------------------|----------|------------|----------|
| b cal 1-5ng.d | 1 | <input type="checkbox"/> | 0.5 | 1.1 | 222.0 |
| b cal 2-10ng.d | 2 | <input type="checkbox"/> | 1 | 1.5 | 145.5 |
| b QC 10 (QC1).d | 2 | <input type="checkbox"/> | 1 | 1.5 | 149.8 |
| b cal 3-25ng.d | 3 | <input checked="" type="checkbox"/> | 2.5 | 2.8 | 110.4 |
| b cal 4-50ng.d | 4 | <input checked="" type="checkbox"/> | 5 | 4.9 | 97.6 |
| b cal 5-100ng.d | 5 | <input checked="" type="checkbox"/> | 10 | 9.6 | 95.9 |
| b QC 100 (QC2).d | 5 | <input checked="" type="checkbox"/> | 10 | 9.2 | 92.1 |
| b cal 6-250ng.d | 6 | <input checked="" type="checkbox"/> | 25 | 23.9 | 95.4 |
| b QC 250 (QC 3).d | 6 | <input checked="" type="checkbox"/> | 25 | 24.5 | 98.0 |
| b cal 7-500ng.d | 7 | <input checked="" type="checkbox"/> | 50 | 49.3 | 98.6 |
| b cal 8-1000ng.d | 8 | <input checked="" type="checkbox"/> | 100 | 102.1 | 102.1 |
| b QC 1000 (QC4).d | 8 | <input checked="" type="checkbox"/> | 100 | 104.6 | 104.6 |

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ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wklist 2904 TS\QuantResults\P1b MDQ 012819.batch.bin
Last Calib Update 1/29/2019 3:41 PM **Analyst Name** ISP TOX

Target Compound Cocaine
Internal Standard Cocaine-d3



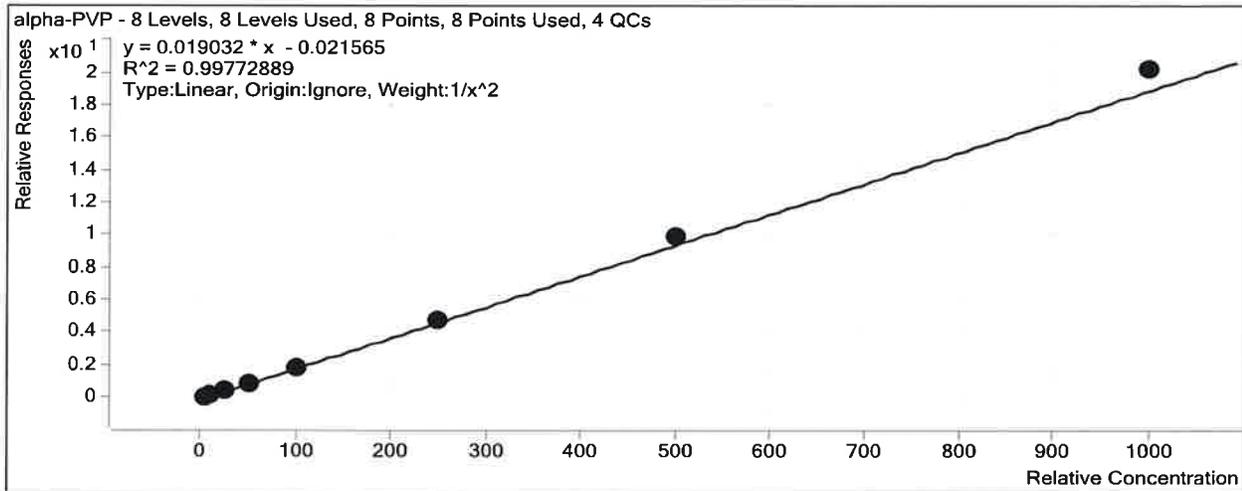
| Sample | Level | Enabled | Exp Conc | Final Conc | Accuracy |
|-------------------|-------|-------------------------------------|----------|------------|----------|
| b cal 1-5ng.d | 1 | <input checked="" type="checkbox"/> | 5 | 5.2 | 104.7 |
| b cal 2-10ng.d | 2 | <input checked="" type="checkbox"/> | 10 | 9.5 | 95.1 |
| b QC 10 (QC1),d | 2 | <input checked="" type="checkbox"/> | 10 | 9.9 | 99.2 |
| b cal 3-25ng.d | 3 | <input checked="" type="checkbox"/> | 25 | 22.6 | 90.2 |
| b cal 4-50ng.d | 4 | <input checked="" type="checkbox"/> | 50 | 47.7 | 95.5 |
| b cal 5-100ng.d | 5 | <input checked="" type="checkbox"/> | 100 | 100.1 | 100.1 |
| b QC 100 (QC2),d | 5 | <input checked="" type="checkbox"/> | 100 | 97.6 | 97.6 |
| b cal 6-250ng.d | 6 | <input checked="" type="checkbox"/> | 250 | 253.5 | 101.4 |
| b QC 250 (QC 3),d | 6 | <input checked="" type="checkbox"/> | 250 | 242.4 | 97.0 |
| b cal 7-500ng.d | 7 | <input checked="" type="checkbox"/> | 500 | 530.4 | 106.1 |
| b cal 8-1000ng.d | 8 | <input checked="" type="checkbox"/> | 1000 | 1068.6 | 106.9 |
| b QC 1000 (QC4),d | 8 | <input checked="" type="checkbox"/> | 1000 | 1035.2 | 103.5 |

TS

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wk1st 2904 TS\QuantResults\P1b MDQ 012819.batch.bin
Last Calib Update 1/29/2019 3:41 PM **Analyst Name** ISP TOX

Target Compound *alpha-PVP*
Internal Standard *alpha-PVP-d8*



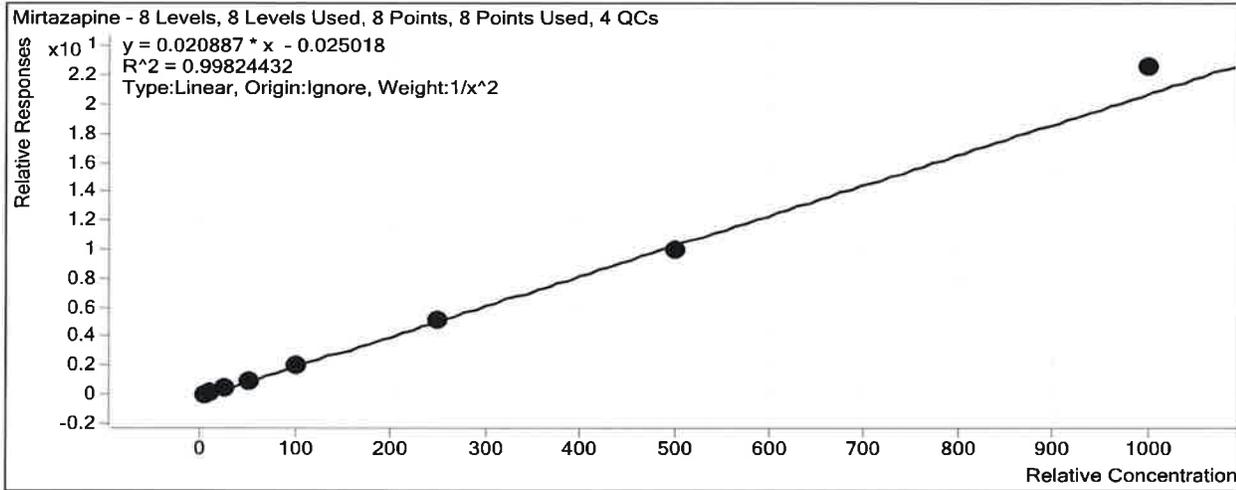
| Sample | Level | Enabled | Exp Conc | Final Conc | Accuracy |
|-------------------|-------|-------------------------------------|----------|------------|----------|
| b cal 1-5ng.d | 1 | <input checked="" type="checkbox"/> | 5 | 5.1 | 102.3 |
| b cal 2-10ng.d | 2 | <input checked="" type="checkbox"/> | 10 | 9.8 | 98.4 |
| b QC 10 (QC1).d | 2 | <input checked="" type="checkbox"/> | 10 | 10.0 | 99.6 |
| b cal 3-25ng.d | 3 | <input checked="" type="checkbox"/> | 25 | 23.6 | 94.6 |
| b cal 4-50ng.d | 4 | <input checked="" type="checkbox"/> | 50 | 47.9 | 95.7 |
| b cal 5-100ng.d | 5 | <input checked="" type="checkbox"/> | 100 | 97.8 | 97.8 |
| b QC 100 (QC2).d | 5 | <input checked="" type="checkbox"/> | 100 | 92.4 | 92.4 |
| b cal 6-250ng.d | 6 | <input checked="" type="checkbox"/> | 250 | 251.2 | 100.5 |
| b QC 250 (QC 3).d | 6 | <input checked="" type="checkbox"/> | 250 | 240.0 | 96.0 |
| b cal 7-500ng.d | 7 | <input checked="" type="checkbox"/> | 500 | 523.1 | 104.6 |
| b cal 8-1000ng.d | 8 | <input checked="" type="checkbox"/> | 1000 | 1061.1 | 106.1 |
| b QC 1000 (QC4).d | 8 | <input checked="" type="checkbox"/> | 1000 | 1049.9 | 105.0 |

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ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wk1st 2904 TS\QuantResults\P1b MDQ 012819.batch.bin
Last Calib Update 1/29/2019 3:41 PM **Analyst Name** ISP TOX

Target Compound *Mirtazapine*
Internal Standard *alpha-PVP-d8*



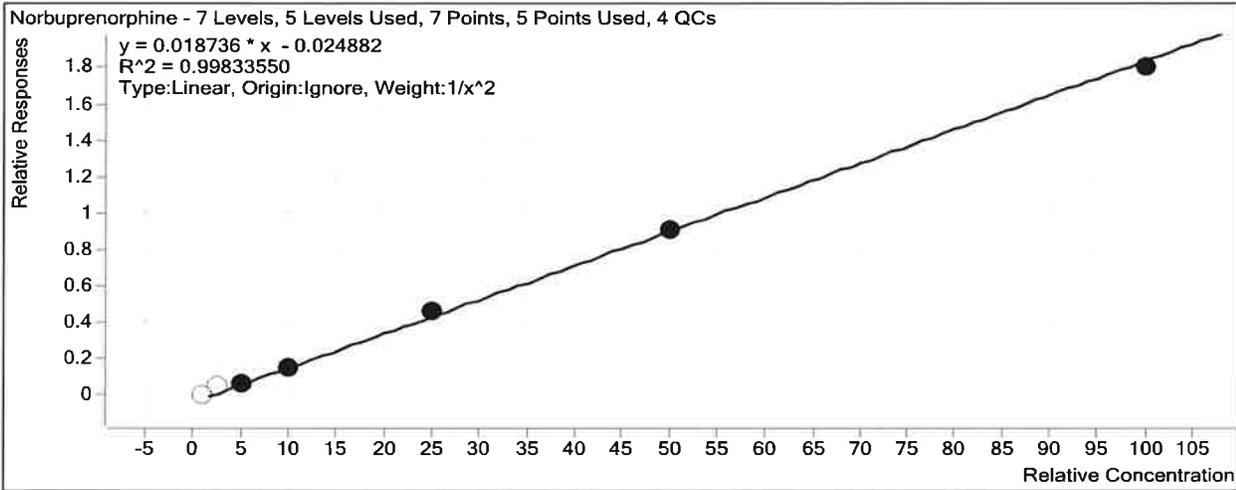
| Sample | Level | Enabled | Exp Conc | Final Conc | Accuracy |
|-------------------|-------|-------------------------------------|----------|------------|----------|
| b cal 1-5ng.d | 1 | <input checked="" type="checkbox"/> | 5 | 5.1 | 101.4 |
| b cal 2-10ng.d | 2 | <input checked="" type="checkbox"/> | 10 | 9.8 | 97.7 |
| b QC 10 (QC1).d | 2 | <input checked="" type="checkbox"/> | 10 | 8.1 | 80.6 |
| b cal 3-25ng.d | 3 | <input checked="" type="checkbox"/> | 25 | 24.8 | 99.4 |
| b cal 4-50ng.d | 4 | <input checked="" type="checkbox"/> | 50 | 50.0 | 100.0 |
| b cal 5-100ng.d | 5 | <input checked="" type="checkbox"/> | 100 | 98.9 | 98.9 |
| b QC 100 (QC2).d | 5 | <input checked="" type="checkbox"/> | 100 | 47.2 | 47.2 |
| b cal 6-250ng.d | 6 | <input checked="" type="checkbox"/> | 250 | 245.1 | 98.0 |
| b QC 250 (QC 3).d | 6 | <input checked="" type="checkbox"/> | 250 | 135.6 | 54.2 |
| b cal 7-500ng.d | 7 | <input checked="" type="checkbox"/> | 500 | 482.1 | 96.4 |
| b cal 8-1000ng.d | 8 | <input checked="" type="checkbox"/> | 1000 | 1081.9 | 108.2 |
| b QC 1000 (QC4).d | 8 | <input type="checkbox"/> | 1000 | 908.2 | 90.8 |

TS

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wklst 2904 TS\QuantResults\P1b MDQ 012819.batch.bin
Last Calib Update 1/29/2019 3:41 PM **Analyst Name** ISP TOX

Target Compound Norbuprenorphine
Internal Standard Norbuprenorphine-D3



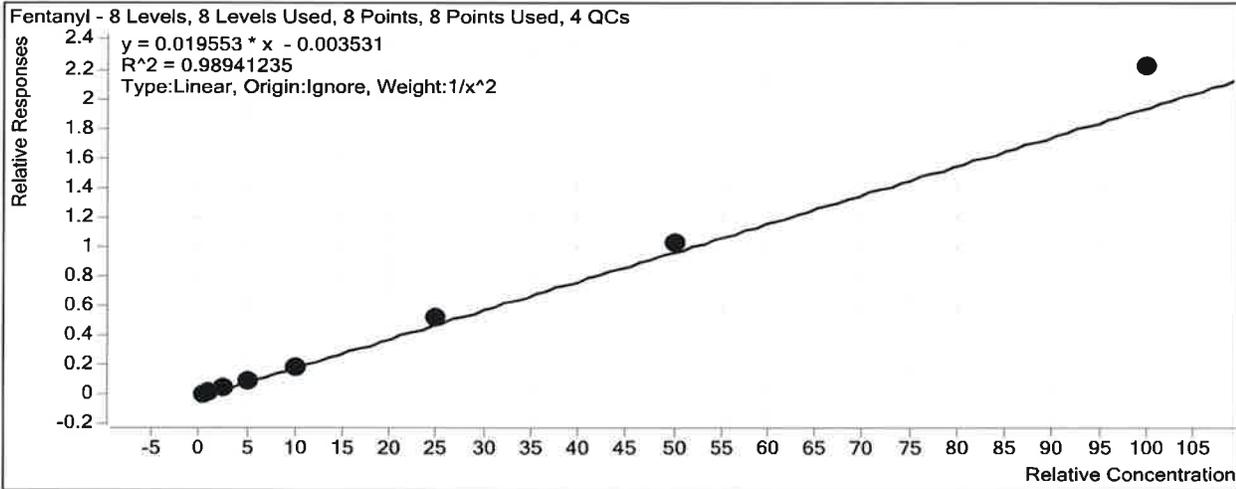
| Sample | Level | Enabled | Exp Conc | Final Conc | Accuracy |
|-------------------|-------|-------------------------------------|----------|------------|----------|
| b cal 1-5ng.d | 1 | <input type="checkbox"/> | 0.5 | 0.0 | 0.0 |
| b cal 2-10ng.d | 2 | <input type="checkbox"/> | 1 | 1.8 | 180.5 |
| b QC 10 (QC1).d | 2 | <input type="checkbox"/> | 1 | 2.9 | 291.6 |
| b cal 3-25ng.d | 3 | <input type="checkbox"/> | 2.5 | 4.3 | 171.4 |
| b cal 4-50ng.d | 4 | <input checked="" type="checkbox"/> | 5 | 5.0 | 100.3 |
| b cal 5-100ng.d | 5 | <input checked="" type="checkbox"/> | 10 | 9.8 | 97.6 |
| b QC 100 (QC2).d | 5 | <input checked="" type="checkbox"/> | 10 | 11.0 | 109.9 |
| b cal 6-250ng.d | 6 | <input checked="" type="checkbox"/> | 25 | 26.3 | 105.2 |
| b QC 250 (QC 3).d | 6 | <input checked="" type="checkbox"/> | 25 | 26.3 | 105.4 |
| b cal 7-500ng.d | 7 | <input checked="" type="checkbox"/> | 50 | 49.7 | 99.4 |
| b cal 8-1000ng.d | 8 | <input checked="" type="checkbox"/> | 100 | 97.4 | 97.4 |
| b QC 1000 (QC4).d | 8 | <input checked="" type="checkbox"/> | 100 | 103.0 | 103.0 |

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ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wk1st 2904 TS\QuantResults\P1b MDQ 012819.batch.bin
Last Calib Update 1/29/2019 3:41 PM **Analyst Name** ISP TOX

Target Compound Fentanyl
Internal Standard Fentanyl-D5



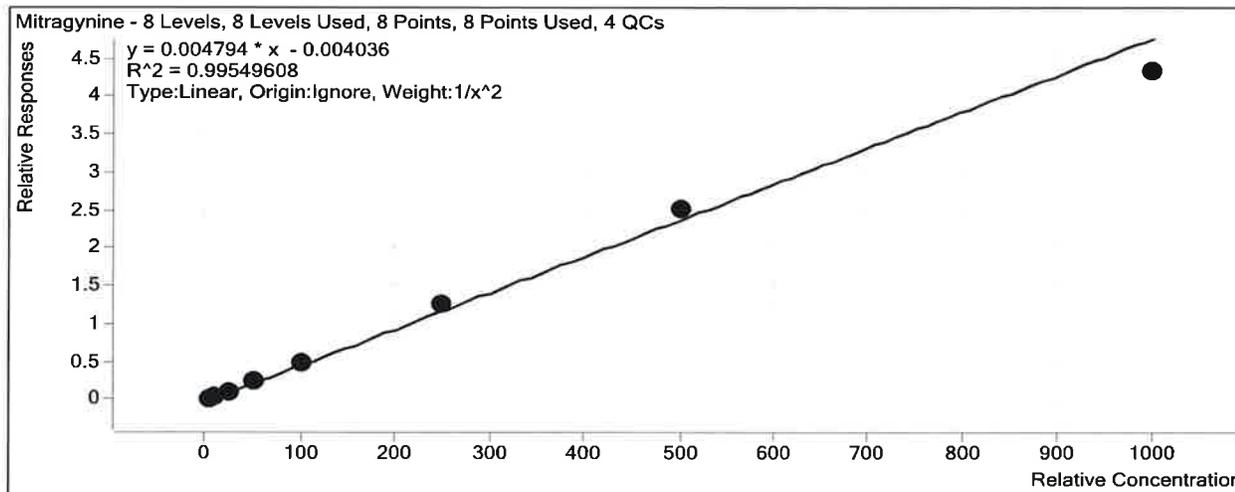
| Sample | Level | Enabled | Exp Conc | Final Conc | Accuracy |
|-------------------|-------|-------------------------------------|----------|------------|----------|
| b cal 1-5ng.d | 1 | <input checked="" type="checkbox"/> | 0.5 | 0.5 | 105.6 |
| b cal 2-10ng.d | 2 | <input checked="" type="checkbox"/> | 1 | 1.0 | 95.8 |
| b QC 10 (QC1).d | 2 | <input checked="" type="checkbox"/> | 1 | 1.0 | 103.1 |
| b cal 3-25ng.d | 3 | <input checked="" type="checkbox"/> | 2.5 | 2.2 | 87.0 |
| b cal 4-50ng.d | 4 | <input checked="" type="checkbox"/> | 5 | 4.5 | 90.6 |
| b cal 5-100ng.d | 5 | <input checked="" type="checkbox"/> | 10 | 9.6 | 96.4 |
| b QC 100 (QC2).d | 5 | <input checked="" type="checkbox"/> | 10 | 8.2 | 82.2 |
| b cal 6-250ng.d | 6 | <input checked="" type="checkbox"/> | 25 | 26.5 | 105.9 |
| b QC 250 (QC 3).d | 6 | <input checked="" type="checkbox"/> | 25 | 20.6 | 82.3 |
| b cal 7-500ng.d | 7 | <input checked="" type="checkbox"/> | 50 | 52.6 | 105.2 |
| b cal 8-1000ng.d | 8 | <input checked="" type="checkbox"/> | 100 | 113.6 | 113.6 |
| b QC 1000 (QC4).d | 8 | <input checked="" type="checkbox"/> | 100 | 111.9 | 111.9 |

TS

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wk1st 2904 TS\QuantResults\P1b MDQ 012819.batch.bin
Last Calib Update 1/29/2019 3:41 PM **Analyst Name** ISP TOX

Target Compound *Mitragynine*
Internal Standard *Methadone-D9*



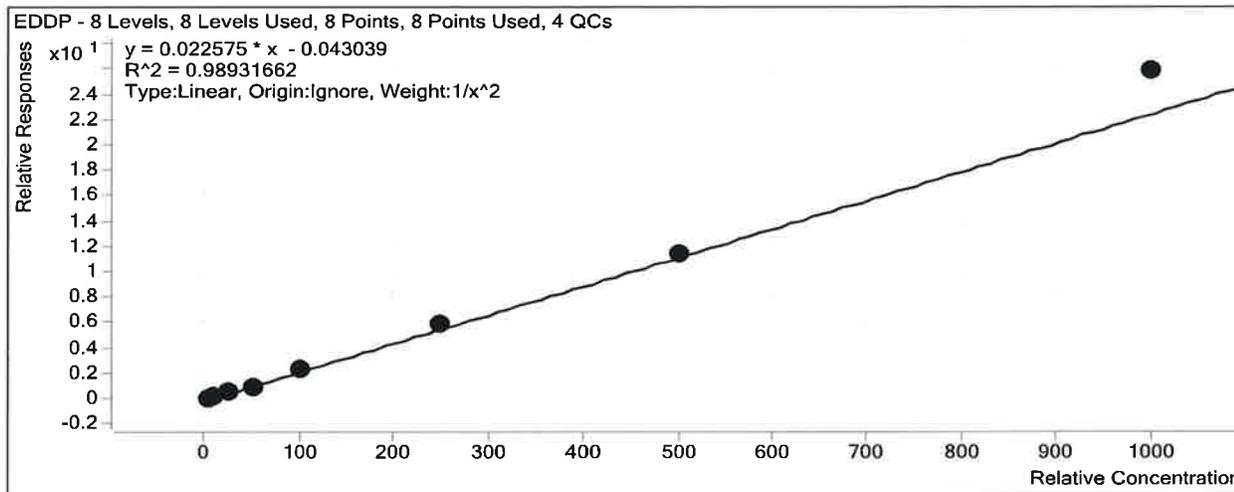
| Sample | Level | Enabled | Exp Conc | Final Conc | Accuracy |
|-------------------|-------|-------------------------------------|----------|------------|----------|
| b cal 1-5ng.d | 1 | <input checked="" type="checkbox"/> | 5 | 5.1 | 102.1 |
| b cal 2-10ng.d | 2 | <input checked="" type="checkbox"/> | 10 | 9.8 | 97.6 |
| b QC 10 (QC1).d | 2 | <input checked="" type="checkbox"/> | 10 | 8.8 | 87.5 |
| b cal 3-25ng.d | 3 | <input checked="" type="checkbox"/> | 25 | 23.1 | 92.5 |
| b cal 4-50ng.d | 4 | <input checked="" type="checkbox"/> | 50 | 51.5 | 103.0 |
| b cal 5-100ng.d | 5 | <input checked="" type="checkbox"/> | 100 | 104.2 | 104.2 |
| b QC 100 (QC2).d | 5 | <input checked="" type="checkbox"/> | 100 | 78.7 | 78.7 |
| b cal 6-250ng.d | 6 | <input checked="" type="checkbox"/> | 250 | 263.2 | 105.3 |
| b QC 250 (QC 3).d | 6 | <input checked="" type="checkbox"/> | 250 | 208.5 | 83.4 |
| b cal 7-500ng.d | 7 | <input checked="" type="checkbox"/> | 500 | 524.7 | 104.9 |
| b cal 8-1000ng.d | 8 | <input checked="" type="checkbox"/> | 1000 | 903.7 | 90.4 |
| b QC 1000 (QC4).d | 8 | <input checked="" type="checkbox"/> | 1000 | 751.6 | 75.2 |

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ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wk1st 2904 TS\QuantResults\P1b MDQ 012819.batch.bin
Last Calib Update 1/29/2019 3:41 PM **Analyst Name** ISP TOX

Target Compound EDDP
Internal Standard EDDP-D3



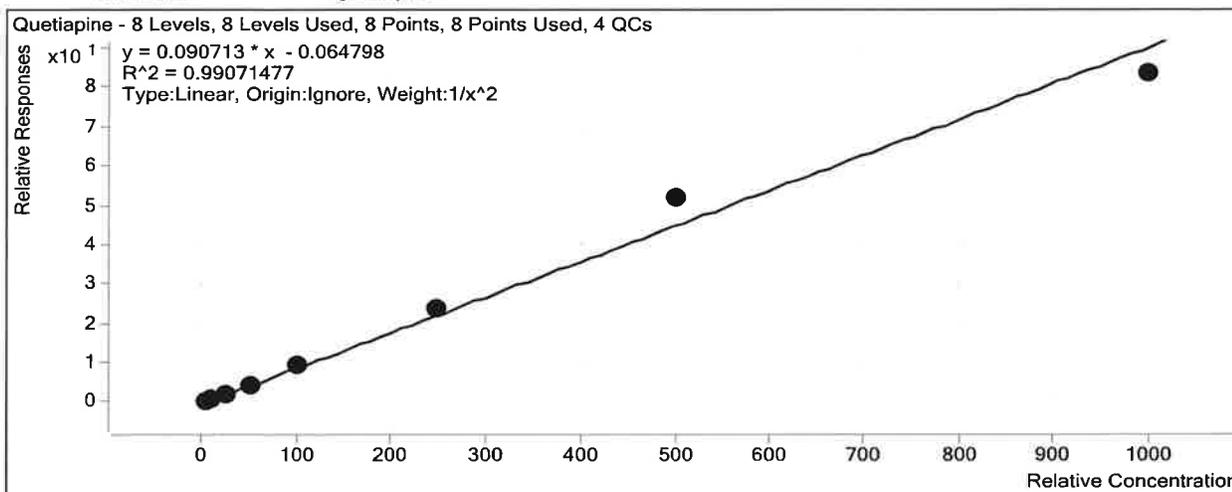
| Sample | Level | Enabled | Exp Conc | Final Conc | Accuracy |
|-------------------|-------|-------------------------------------|----------|------------|----------|
| b cal 1-5ng.d | 1 | <input checked="" type="checkbox"/> | 5 | 5.4 | 107.1 |
| b cal 2-10ng.d | 2 | <input checked="" type="checkbox"/> | 10 | 9.2 | 91.6 |
| b QC 10 (QC1).d | 2 | <input checked="" type="checkbox"/> | 10 | 9.8 | 97.6 |
| b cal 3-25ng.d | 3 | <input checked="" type="checkbox"/> | 25 | 22.2 | 88.6 |
| b cal 4-50ng.d | 4 | <input checked="" type="checkbox"/> | 50 | 45.4 | 90.7 |
| b cal 5-100ng.d | 5 | <input checked="" type="checkbox"/> | 100 | 102.3 | 102.3 |
| b QC 100 (QC2).d | 5 | <input checked="" type="checkbox"/> | 100 | 95.1 | 95.1 |
| b cal 6-250ng.d | 6 | <input checked="" type="checkbox"/> | 250 | 259.4 | 103.7 |
| b QC 250 (QC 3).d | 6 | <input checked="" type="checkbox"/> | 250 | 268.8 | 107.5 |
| b cal 7-500ng.d | 7 | <input checked="" type="checkbox"/> | 500 | 506.8 | 101.4 |
| b cal 8-1000ng.d | 8 | <input checked="" type="checkbox"/> | 1000 | 1145.0 | 114.5 |
| b QC 1000 (QC4).d | 8 | <input checked="" type="checkbox"/> | 1000 | 1113.0 | 111.3 |

TS

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wk1st 2904 TS\QuantResults\P1b MDQ 012819.batch.bin
Last Calib Update 1/29/2019 3:41 PM **Analyst Name** ISP TOX

Target Compound Quetiapine
Internal Standard Quetiapine-D8



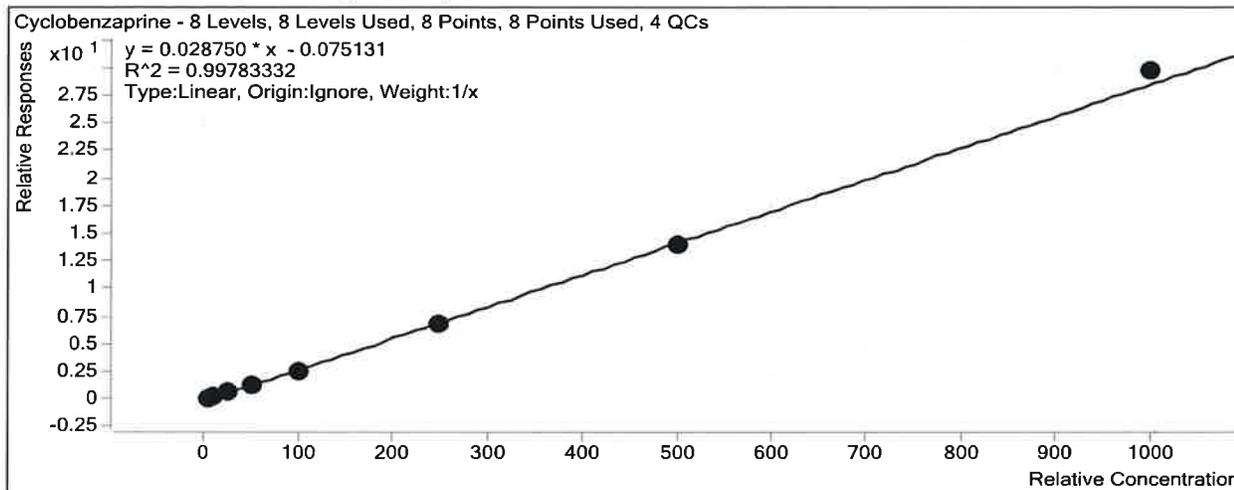
| Sample | Level | Enabled | Exp Conc | Final Conc | Accuracy |
|-------------------|-------|-------------------------------------|----------|------------|----------|
| b cal 1-5ng.d | 1 | <input checked="" type="checkbox"/> | 5 | 5.3 | 105.5 |
| b cal 2-10ng.d | 2 | <input checked="" type="checkbox"/> | 10 | 9.3 | 92.8 |
| b QC 10 (QC1).d | 2 | <input checked="" type="checkbox"/> | 10 | 10.7 | 106.7 |
| b cal 3-25ng.d | 3 | <input checked="" type="checkbox"/> | 25 | 22.6 | 90.4 |
| b cal 4-50ng.d | 4 | <input checked="" type="checkbox"/> | 50 | 48.7 | 97.4 |
| b cal 5-100ng.d | 5 | <input checked="" type="checkbox"/> | 100 | 102.1 | 102.1 |
| b QC 100 (QC2).d | 5 | <input checked="" type="checkbox"/> | 100 | 106.9 | 106.9 |
| b cal 6-250ng.d | 6 | <input checked="" type="checkbox"/> | 250 | 261.7 | 104.7 |
| b QC 250 (QC 3).d | 6 | <input checked="" type="checkbox"/> | 250 | 295.7 | 118.3 |
| b cal 7-500ng.d | 7 | <input checked="" type="checkbox"/> | 500 | 574.9 | 115.0 |
| b cal 8-1000ng.d | 8 | <input checked="" type="checkbox"/> | 1000 | 921.2 | 92.1 |
| b QC 1000 (QC4).d | 8 | <input checked="" type="checkbox"/> | 1000 | 1014.6 | 101.5 |

TS

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wk1st 2904 TS\QuantResults\P1b MDQ 012819.batch.bin
Last Calib Update 1/29/2019 3:41 PM **Analyst Name** ISP TOX

Target Compound Cyclobenzaprine
Internal Standard Cyclobenzaprine-D3



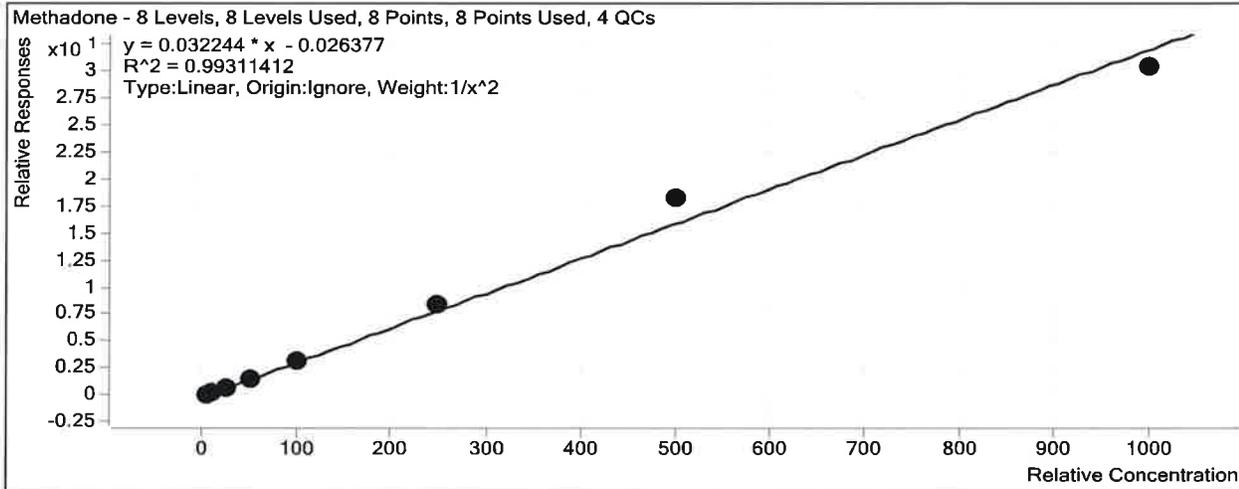
| Sample | Level | Enabled | Exp Conc | Final Conc | Accuracy |
|-------------------|-------|-------------------------------------|----------|------------|----------|
| b cal 1-5ng.d | 1 | <input checked="" type="checkbox"/> | 5 | 6.3 | 126.1 |
| b cal 2-10ng.d | 2 | <input checked="" type="checkbox"/> | 10 | 10.6 | 106.1 |
| b QC 10 (QC1).d | 2 | <input checked="" type="checkbox"/> | 10 | 11.6 | 115.8 |
| b cal 3-25ng.d | 3 | <input checked="" type="checkbox"/> | 25 | 22.3 | 89.3 |
| b cal 4-50ng.d | 4 | <input checked="" type="checkbox"/> | 50 | 44.8 | 89.7 |
| b cal 5-100ng.d | 5 | <input checked="" type="checkbox"/> | 100 | 92.1 | 92.1 |
| b QC 100 (QC2).d | 5 | <input checked="" type="checkbox"/> | 100 | 105.7 | 105.7 |
| b cal 6-250ng.d | 6 | <input checked="" type="checkbox"/> | 250 | 237.2 | 94.9 |
| b QC 250 (QC 3).d | 6 | <input checked="" type="checkbox"/> | 250 | 244.6 | 97.8 |
| b cal 7-500ng.d | 7 | <input checked="" type="checkbox"/> | 500 | 491.6 | 98.3 |
| b cal 8-1000ng.d | 8 | <input checked="" type="checkbox"/> | 1000 | 1035.0 | 103.5 |
| b QC 1000 (QC4).d | 8 | <input checked="" type="checkbox"/> | 1000 | 968.4 | 96.8 |

TS

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wk1st 2904 TS\QuantResults\P1b MDQ 012819.batch.bin
Last Calib Update 1/29/2019 3:41 PM **Analyst Name** ISP TOX

Target Compound *Methadone*
Internal Standard *Methadone-D9*



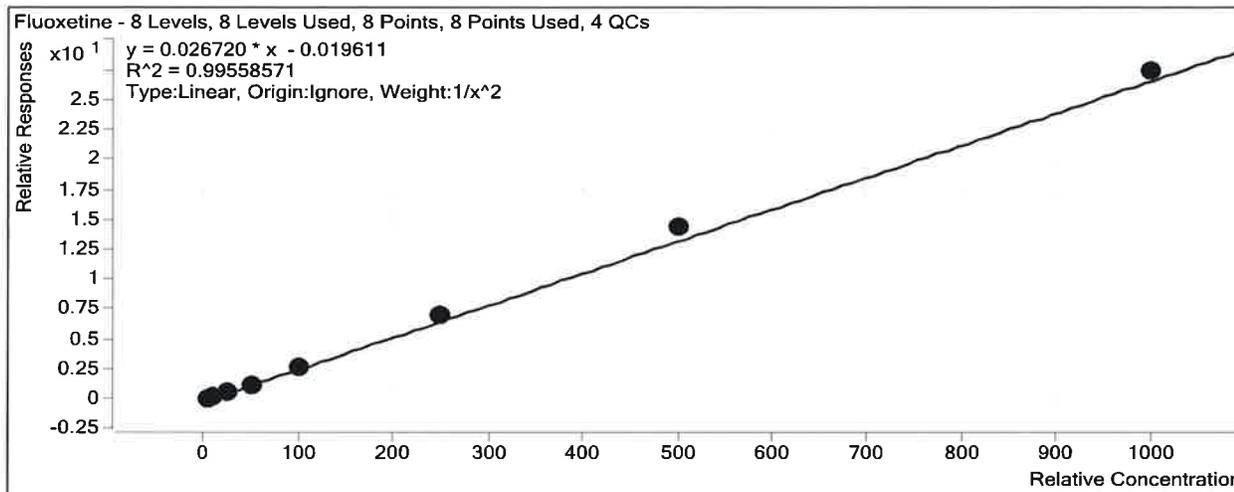
| Sample | Level | Enabled | Exp Conc | Final Conc | Accuracy |
|-------------------|-------|-------------------------------------|----------|------------|----------|
| b cal 1-5ng.d | 1 | <input checked="" type="checkbox"/> | 5 | 5.2 | 103.6 |
| b cal 2-10ng.d | 2 | <input checked="" type="checkbox"/> | 10 | 9.6 | 96.1 |
| b QC 10 (QC1).d | 2 | <input checked="" type="checkbox"/> | 10 | 11.4 | 114.3 |
| b cal 3-25ng.d | 3 | <input checked="" type="checkbox"/> | 25 | 23.6 | 94.2 |
| b cal 4-50ng.d | 4 | <input checked="" type="checkbox"/> | 50 | 47.3 | 94.6 |
| b cal 5-100ng.d | 5 | <input checked="" type="checkbox"/> | 100 | 97.3 | 97.3 |
| b QC 100 (QC2).d | 5 | <input checked="" type="checkbox"/> | 100 | 97.9 | 97.9 |
| b cal 6-250ng.d | 6 | <input checked="" type="checkbox"/> | 250 | 264.4 | 105.7 |
| b QC 250 (QC 3).d | 6 | <input checked="" type="checkbox"/> | 250 | 260.6 | 104.2 |
| b cal 7-500ng.d | 7 | <input checked="" type="checkbox"/> | 500 | 571.0 | 114.2 |
| b cal 8-1000ng.d | 8 | <input checked="" type="checkbox"/> | 1000 | 943.1 | 94.3 |
| b QC 1000 (QC4).d | 8 | <input type="checkbox"/> | 1000 | 1151.6 | 115.2 |

TS

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wklist 2904 TS\QuantResults\P1b MDQ 012819.batch.bin
Last Calib Update 1/29/2019 3:41 PM **Analyst Name** ISP TOX

Target Compound Fluoxetine
Internal Standard Fluoxetine-D6



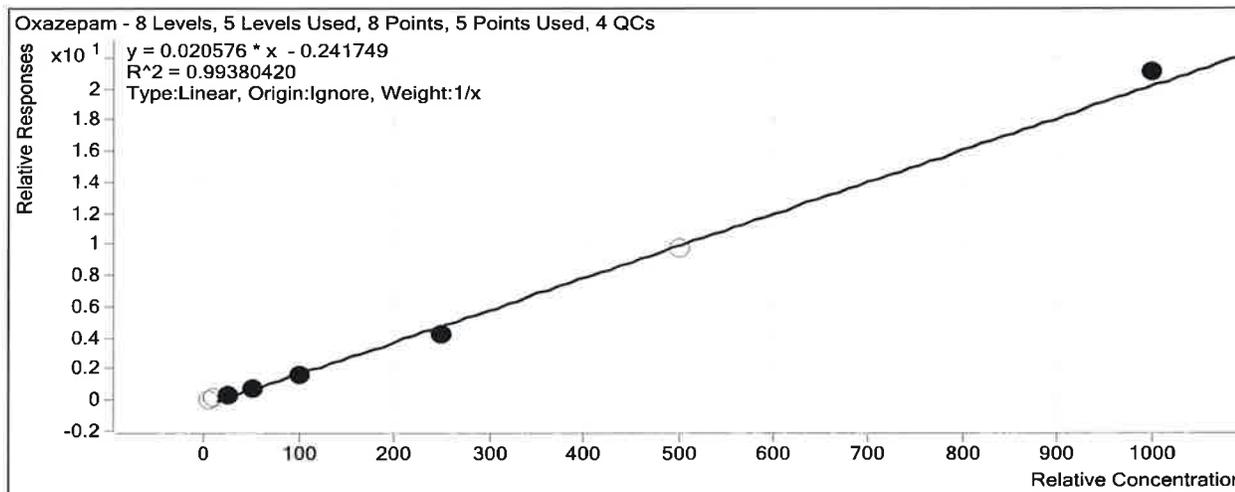
| Sample | Level | Enabled | Exp Conc | Final Conc | Accuracy |
|-------------------|-------|-------------------------------------|----------|------------|----------|
| b cal 1-5ng.d | 1 | <input checked="" type="checkbox"/> | 5 | 5.2 | 104.1 |
| b cal 2-10ng.d | 2 | <input checked="" type="checkbox"/> | 10 | 9.6 | 96.1 |
| b QC 10 (QC1).d | 2 | <input checked="" type="checkbox"/> | 10 | 11.0 | 110.2 |
| b cal 3-25ng.d | 3 | <input checked="" type="checkbox"/> | 25 | 23.0 | 92.0 |
| b cal 4-50ng.d | 4 | <input checked="" type="checkbox"/> | 50 | 47.2 | 94.4 |
| b cal 5-100ng.d | 5 | <input checked="" type="checkbox"/> | 100 | 97.8 | 97.8 |
| b QC 100 (QC2).d | 5 | <input checked="" type="checkbox"/> | 100 | 94.1 | 94.1 |
| b cal 6-250ng.d | 6 | <input checked="" type="checkbox"/> | 250 | 262.0 | 104.8 |
| b QC 250 (QC 3).d | 6 | <input checked="" type="checkbox"/> | 250 | 238.6 | 95.5 |
| b cal 7-500ng.d | 7 | <input checked="" type="checkbox"/> | 500 | 542.5 | 108.5 |
| b cal 8-1000ng.d | 8 | <input checked="" type="checkbox"/> | 1000 | 1023.9 | 102.4 |
| b QC 1000 (QC4).d | 8 | <input checked="" type="checkbox"/> | 1000 | 1077.0 | 107.7 |

B

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wk1st 2904 TS\QuantResults\P1b MDQ 012819.batch.bin
Last Calib Update 1/29/2019 3:41 PM **Analyst Name** ISP TOX

Target Compound Oxazepam
Internal Standard Oxazepam-D5



| Sample | Level | Enabled | Exp Conc | Final Conc | Accuracy |
|-------------------|-------|-------------------------------------|----------|------------|--------------------------|
| b cal 1-5ng.d | 1 | <input type="checkbox"/> | 5 | 15.5 | 309.5 |
| b cal 2-10ng.d | 2 | <input type="checkbox"/> | 10 | 19.5 | 195.2 |
| b QC 10 (QC1).d | 2 | <input checked="" type="checkbox"/> | 10 | 19.4 | 194.3 |
| b cal 3-25ng.d | 3 | <input checked="" type="checkbox"/> | 25 | 29.5 | 117.9 |
| b cal 4-50ng.d | 4 | <input checked="" type="checkbox"/> | 50 | 50.3 | 100.6 |
| b cal 5-100ng.d | 5 | <input checked="" type="checkbox"/> | 100 | 90.2 | 90.2 |
| b QC 100 (QC2).d | 5 | <input checked="" type="checkbox"/> | 100 | 89.8 | 89.8 |
| b cal 6-250ng.d | 6 | <input checked="" type="checkbox"/> | 250 | 219.3 | 87.7 |
| b QC 250 (QC 3).d | 6 | <input checked="" type="checkbox"/> | 250 | 219.1 | 87.6 |
| b cal 7-500ng.d | 7 | <input type="checkbox"/> | 500 | 485.5 | 97.1 - Peak cut-off - TS |
| b cal 8-1000ng.d | 8 | <input checked="" type="checkbox"/> | 1000 | 1035.7 | 103.6 |
| b QC 1000 (QC4).d | 8 | <input checked="" type="checkbox"/> | 1000 | 982.5 | 98.2 |

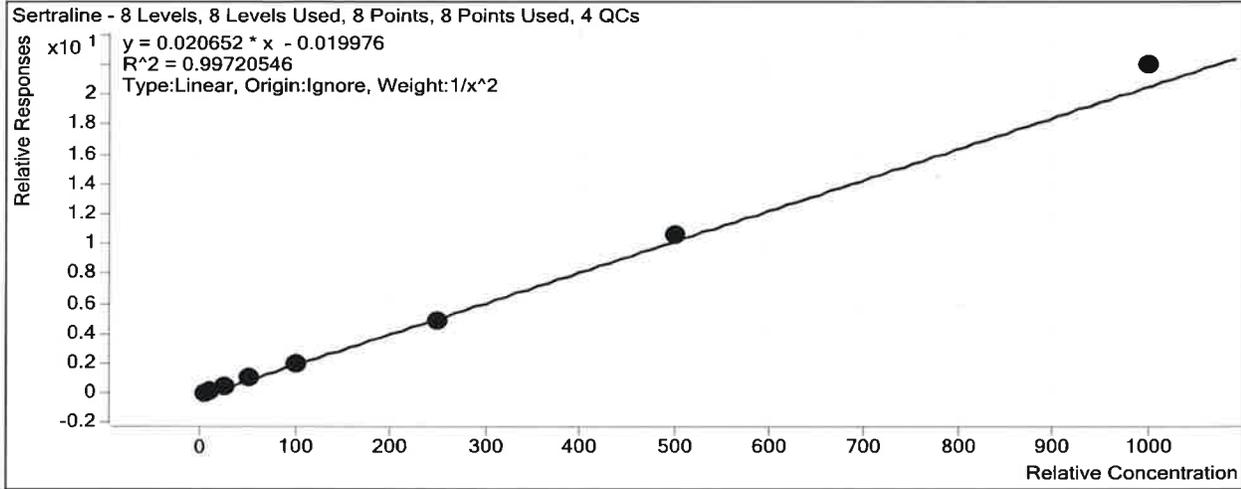
* Compound reported qualitatively.

TS

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wklst 2904 TS\QuantResults\P1b MDQ 012819.batch.bin
Last Calib Update 1/29/2019 3:41 PM **Analyst Name** ISP TOX

Target Compound Sertraline
Internal Standard Sertraline-D3



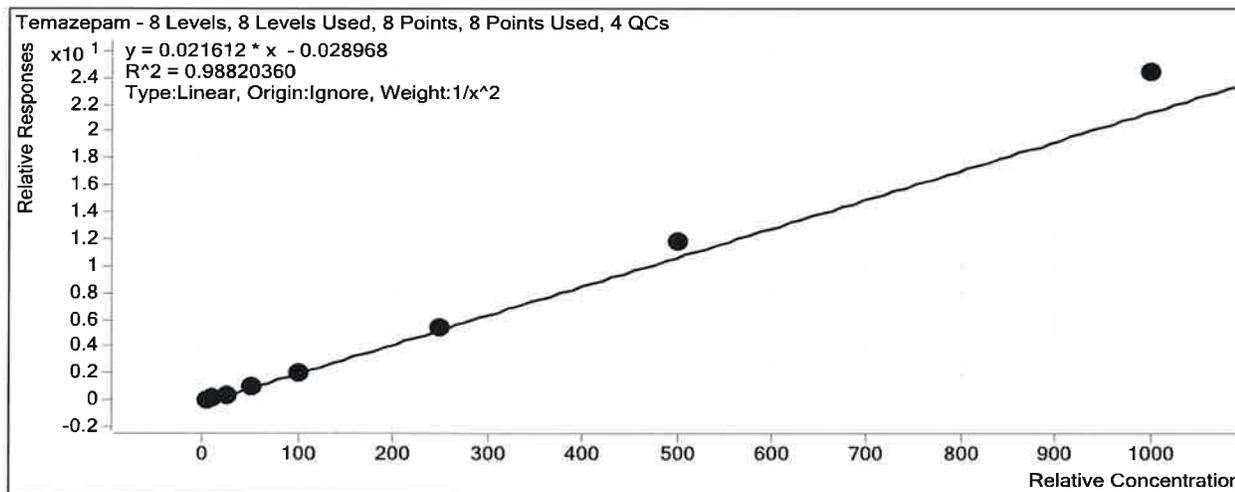
| Sample | Level | Enabled | Exp Conc | Final Conc | Accuracy |
|-------------------|-------|-------------------------------------|----------|------------|----------|
| b cal 1-5ng.d | 1 | <input checked="" type="checkbox"/> | 5 | 5.1 | 102.2 |
| b cal 2-10ng.d | 2 | <input checked="" type="checkbox"/> | 10 | 9.8 | 97.7 |
| b QC 10 (QC1).d | 2 | <input checked="" type="checkbox"/> | 10 | 9.4 | 93.9 |
| b cal 3-25ng.d | 3 | <input checked="" type="checkbox"/> | 25 | 23.3 | 93.4 |
| b cal 4-50ng.d | 4 | <input checked="" type="checkbox"/> | 50 | 51.7 | 103.5 |
| b cal 5-100ng.d | 5 | <input checked="" type="checkbox"/> | 100 | 99.8 | 99.8 |
| b QC 100 (QC2).d | 5 | <input checked="" type="checkbox"/> | 100 | 90.4 | 90.4 |
| b cal 6-250ng.d | 6 | <input checked="" type="checkbox"/> | 250 | 235.7 | 94.3 |
| b QC 250 (QC 3).d | 6 | <input checked="" type="checkbox"/> | 250 | 200.0 | 80.0 |
| b cal 7-500ng.d | 7 | <input checked="" type="checkbox"/> | 500 | 514.4 | 102.9 |
| b cal 8-1000ng.d | 8 | <input checked="" type="checkbox"/> | 1000 | 1063.4 | 106.3 |
| b QC 1000 (QC4).d | 8 | <input checked="" type="checkbox"/> | 1000 | 936.2 | 93.6 |

TS

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wk1st 2904 TS\QuantResults\P1b MDQ 012819.batch.bin
Last Calib Update 1/29/2019 3:41 PM **Analyst Name** ISP TOX

Target Compound *Temazepam*
Internal Standard *Temazepam-D5*



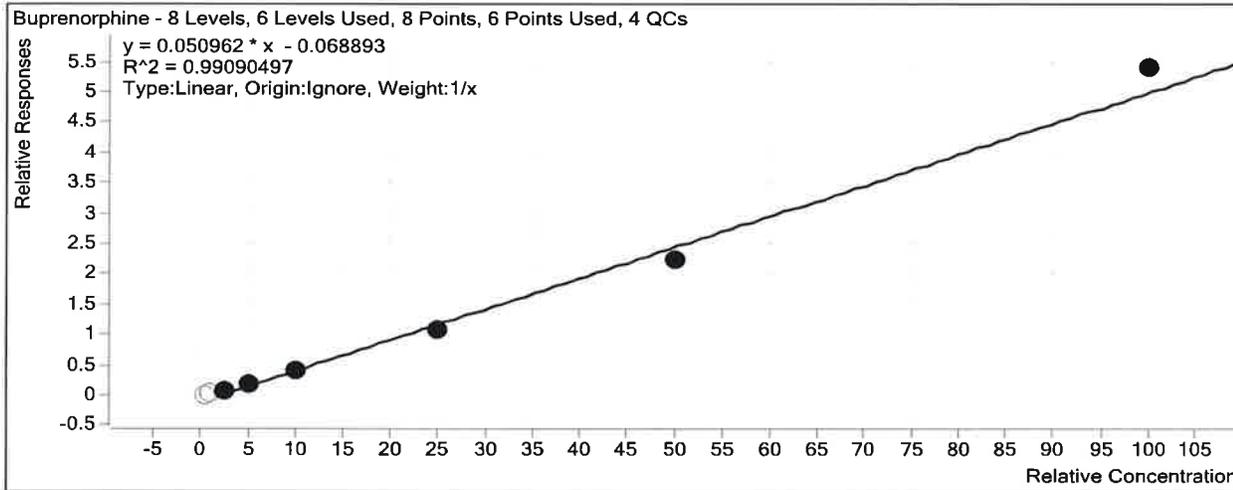
| Sample | Level | Enabled | Exp Conc | Final Conc | Accuracy |
|-------------------|-------|-------------------------------------|----------|------------|----------|
| b cal 1-5ng.d | 1 | <input checked="" type="checkbox"/> | 5 | 5.2 | 103.8 |
| b cal 2-10ng.d | 2 | <input checked="" type="checkbox"/> | 10 | 10.1 | 100.7 |
| b QC 10 (QC1).d | 2 | <input checked="" type="checkbox"/> | 10 | 9.7 | 97.2 |
| b cal 3-25ng.d | 3 | <input checked="" type="checkbox"/> | 25 | 20.8 | 83.1 |
| b cal 4-50ng.d | 4 | <input checked="" type="checkbox"/> | 50 | 46.1 | 92.2 |
| b cal 5-100ng.d | 5 | <input checked="" type="checkbox"/> | 100 | 96.8 | 96.8 |
| b QC 100 (QC2).d | 5 | <input checked="" type="checkbox"/> | 100 | 83.4 | 83.4 |
| b cal 6-250ng.d | 6 | <input checked="" type="checkbox"/> | 250 | 252.7 | 101.1 |
| b QC 250 (QC 3).d | 6 | <input checked="" type="checkbox"/> | 250 | 254.5 | 101.8 |
| b cal 7-500ng.d | 7 | <input checked="" type="checkbox"/> | 500 | 546.8 | 109.4 |
| b cal 8-1000ng.d | 8 | <input checked="" type="checkbox"/> | 1000 | 1130.3 | 113.0 |
| b QC 1000 (QC4).d | 8 | <input checked="" type="checkbox"/> | 1000 | 1121.2 | 112.1 |

TS

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wk1st 2904 TS\QuantResults\P1b MDQ 012819.batch.bin
Last Calib Update 1/29/2019 3:41 PM **Analyst Name** ISP TOX

Target Compound Buprenorphine
Internal Standard Buprenorphine-D4



| Sample | Level | Enabled | Exp Conc | Final Conc | Accuracy |
|-------------------|-------|-------------------------------------|----------|------------|----------|
| b cal 1-5ng.d | 1 | <input type="checkbox"/> | 0.5 | 1.7 | 341.3 |
| b cal 2-10ng.d | 2 | <input type="checkbox"/> | 1 | 2.0 | 201.4 |
| b QC 10 (QC1).d | 2 | <input checked="" type="checkbox"/> | 1 | 2.1 | 209.6 |
| b cal 3-25ng.d | 3 | <input checked="" type="checkbox"/> | 2.5 | 3.0 | 120.2 |
| b cal 4-50ng.d | 4 | <input checked="" type="checkbox"/> | 5 | 4.8 | 96.8 |
| b cal 5-100ng.d | 5 | <input checked="" type="checkbox"/> | 10 | 9.5 | 95.1 |
| b QC 100 (QC2).d | 5 | <input checked="" type="checkbox"/> | 10 | 8.7 | 87.4 |
| b cal 6-250ng.d | 6 | <input checked="" type="checkbox"/> | 25 | 22.4 | 89.7 |
| b QC 250 (QC 3).d | 6 | <input checked="" type="checkbox"/> | 25 | 20.7 | 82.8 |
| b cal 7-500ng.d | 7 | <input checked="" type="checkbox"/> | 50 | 45.4 | 90.9 |
| b cal 8-1000ng.d | 8 | <input checked="" type="checkbox"/> | 100 | 107.3 | 107.3 |
| b QC 1000 (QC4).d | 8 | <input type="checkbox"/> | 100 | 112.3 | 112.3 |

* Compound not evaluated. - TS

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wk1st 2904 TS\QuantResults\P1b MDQ

012819.batch.bin

Last Calib Update

1/29/2019 3:41 PM

Analyst Name

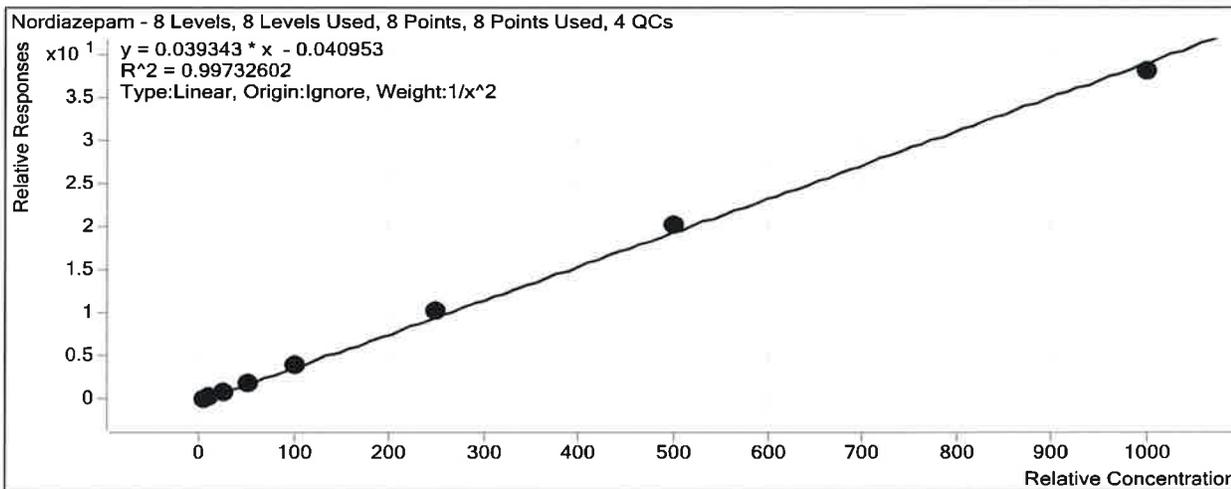
ISP TOX

Target Compound

Nordiazepam

Internal Standard

Nordiazepam-D5



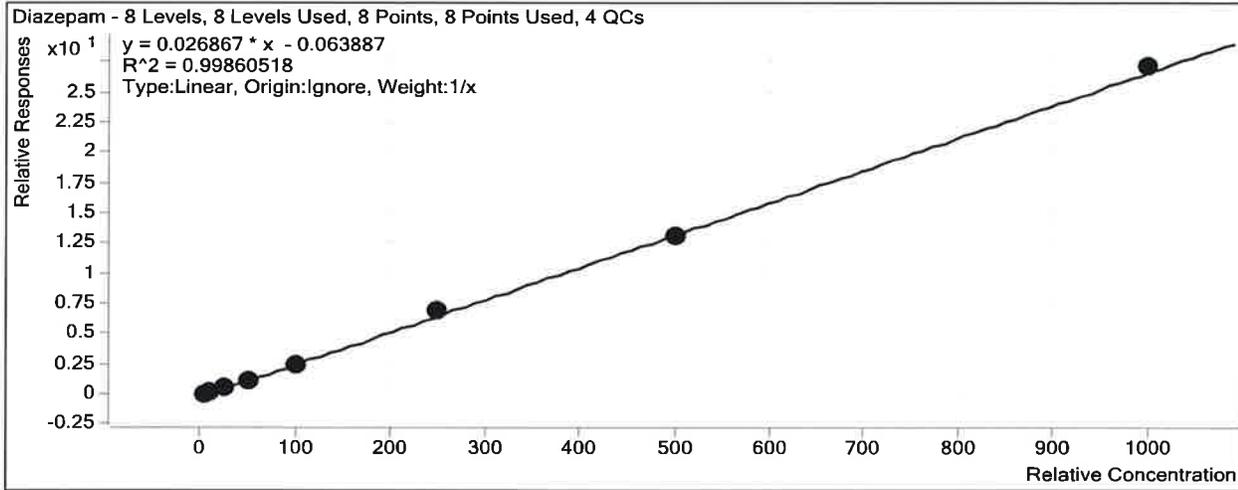
| Sample | Level | Enabled | Exp Conc | Final Conc | Accuracy |
|-------------------|-------|-------------------------------------|----------|------------|----------|
| b cal 1-5ng.d | 1 | <input checked="" type="checkbox"/> | 5 | 5.2 | 103.1 |
| b cal 2-10ng.d | 2 | <input checked="" type="checkbox"/> | 10 | 9.6 | 96.4 |
| b QC 10 (QC1).d | 2 | <input checked="" type="checkbox"/> | 10 | 10.2 | 102.1 |
| b cal 3-25ng.d | 3 | <input checked="" type="checkbox"/> | 25 | 23.2 | 92.8 |
| b cal 4-50ng.d | 4 | <input checked="" type="checkbox"/> | 50 | 49.0 | 98.1 |
| b cal 5-100ng.d | 5 | <input checked="" type="checkbox"/> | 100 | 104.0 | 104.0 |
| b QC 100 (QC2).d | 5 | <input checked="" type="checkbox"/> | 100 | 85.4 | 85.4 |
| b cal 6-250ng.d | 6 | <input checked="" type="checkbox"/> | 250 | 261.9 | 104.7 |
| b QC 250 (QC 3).d | 6 | <input checked="" type="checkbox"/> | 250 | 242.0 | 96.8 |
| b cal 7-500ng.d | 7 | <input checked="" type="checkbox"/> | 500 | 519.6 | 103.9 |
| b cal 8-1000ng.d | 8 | <input checked="" type="checkbox"/> | 1000 | 969.2 | 96.9 |
| b QC 1000 (QC4).d | 8 | <input checked="" type="checkbox"/> | 1000 | 1077.5 | 107.8 |

TS

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wk1st 2904 TS\QuantResults\P1b MDQ 012819.batch.bin
Last Calib Update 1/29/2019 3:41 PM **Analyst Name** ISP TOX

Target Compound *Diazepam*
Internal Standard *Diazepam-D5*



| Sample | Level | Enabled | Exp Conc | Final Conc | Accuracy |
|-------------------|-------|-------------------------------------|----------|------------|----------|
| b cal 1-5ng.d | 1 | <input checked="" type="checkbox"/> | 5 | 5.9 | 118.3 |
| b cal 2-10ng.d | 2 | <input checked="" type="checkbox"/> | 10 | 10.7 | 107.3 |
| b QC 10 (QC1).d | 2 | <input checked="" type="checkbox"/> | 10 | 10.8 | 108.1 |
| b cal 3-25ng.d | 3 | <input checked="" type="checkbox"/> | 25 | 21.7 | 86.9 |
| b cal 4-50ng.d | 4 | <input checked="" type="checkbox"/> | 50 | 45.7 | 91.4 |
| b cal 5-100ng.d | 5 | <input checked="" type="checkbox"/> | 100 | 92.4 | 92.4 |
| b QC 100 (QC2).d | 5 | <input checked="" type="checkbox"/> | 100 | 91.8 | 91.8 |
| b cal 6-250ng.d | 6 | <input checked="" type="checkbox"/> | 250 | 261.3 | 104.5 |
| b QC 250 (QC 3).d | 6 | <input checked="" type="checkbox"/> | 250 | 236.8 | 94.7 |
| b cal 7-500ng.d | 7 | <input checked="" type="checkbox"/> | 500 | 489.9 | 98.0 |
| b cal 8-1000ng.d | 8 | <input checked="" type="checkbox"/> | 1000 | 1012.4 | 101.2 |
| b QC 1000 (QC4).d | 8 | <input checked="" type="checkbox"/> | 1000 | 1029.9 | 103.0 |

TS

ISP FORENSICS - Pocatello Instrument # 59740

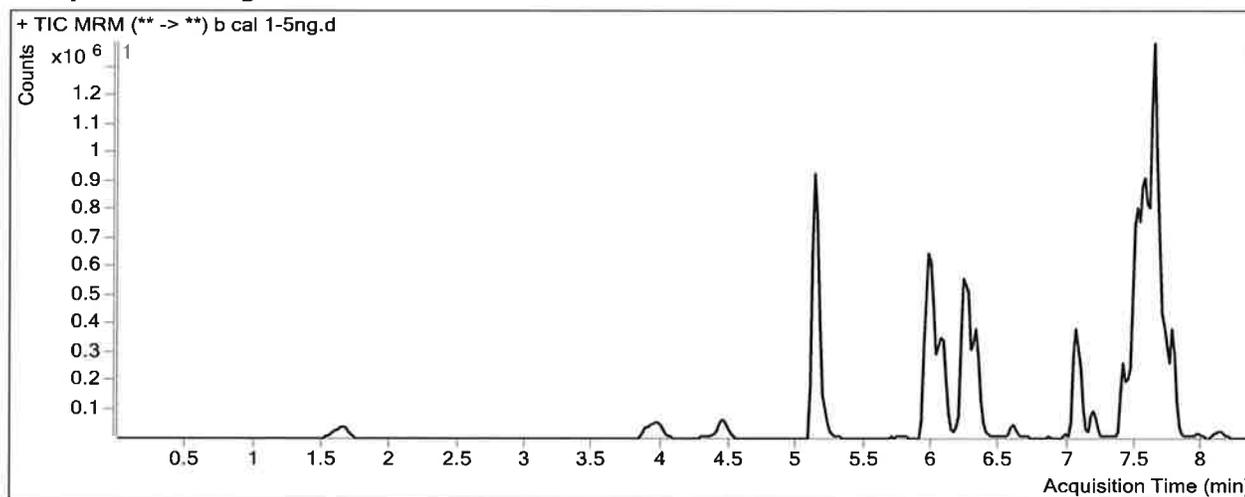
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wklst 2904 TS\QuantResults\P1b MDQ 012819.batch.bin
Analysis Time 1/29/2019 3:41 PM **Analyst Name** datastor
Report Time 1/29/2019 3:57 PM **Reporter Name** datastor
Last Calib Update 1/29/2019 3:41 PM **Batch State** Processed

Analysis Info

Acq Time 2019-01-28 14:07 **Data File** b cal 1-5ng.d
Sample Type Calibration **Sample Name** b cal 1-5ng.d
Dilution 1 **Acq Method** MD Quant Panel 1b 7-11-18.m
Position P1-A1 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

| Compound | ISTD Compound | RT | Response | ISTD Resp | Resp Ratio | Final Conc |
|----------------------|-------------------------|-------|----------|-----------|------------|------------|
| Oxymorphone | Oxymorphone-D3 | 1.668 | 33454 | 283858 | 0.1179 | 5.2554 |
| Dihydrocodeine | Dihydrocodeine-D6 | 3.990 | 30635 | 381352 | 0.0803 | 5.4638 |
| Noroxycodone | Noroxycodone-D3 | 4.458 | 42967 | 344440 | 0.1247 | 6.4616 |
| O-desmethyl-tramadol | O-desmethyl-tramadol-D6 | 5.140 | 338742 | 3547113 | 0.0955 | 5.1846 |
| Benzoylcegonine | Benzoylcegonine-d8 | 5.791 | 2927 | 34843 | 0.0840 | 33.2768 |
| Ketamine | Ketamine-D4 | 5.982 | 177960 | 1568440 | 0.1135 | 5.2358 |
| Norfentanyl | Norfentanyl-D5 | 6.024 | 15369 | 1760936 | 0.0087 | 1.1101 |
| Cocaine | Cocaine-d3 | 6.232 | 68717 | 1933534 | 0.0355 | 5.2356 |
| alpha-PVP | alpha-PVP-d8 | 6.328 | 90110 | 1188295 | 0.0758 | 5.1174 |
| Mirtazapine | alpha-PVP-d8 | 6.604 | 96073 | 1188295 | 0.0808 | 5.0687 |
| Fentanyl | Fentanyl-D5 | 7.059 | 8865 | 1305159 | 0.0068 | 0.5279 |
| Mitragynine | Methadone-D9 | 7.156 | 42637 | 2086445 | 0.0204 | 5.1043 |
| EDDP | EDDP-D3 | 7.188 | 18890 | 242500 | 0.0779 | 5.3571 |
| Quetiapine | Quetiapine-D8 | 7.418 | 229041 | 553793 | 0.4136 | 5.2736 |
| Cyclobenzaprine | Cyclobenzaprine-D3 | 7.472 | 65618 | 618208 | 0.1061 | 6.3051 |
| Methadone | Methadone-D9 | 7.502 | 293365 | 2086445 | 0.1406 | 5.1788 |
| Fluoxetine | Fluoxetine-D6 | 7.542 | 239357 | 2004601 | 0.1194 | 5.2027 |
| Oxazepam | Oxazepam-D5 | 7.608 | 81307 | 1060975 | 0.0766 | 15.4738 |
| Sertraline | Sertraline-D3 | 7.604 | 77033 | 900348 | 0.0856 | 5.1102 |

ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

TS

b cal 1-5ng

| Compound | ISTD Compound | RT | Response | ISTD Resp | Resp Ratio | Final Conc |
|---------------|------------------|-------|----------|-----------|------------|------------|
| Temazepam | Temazepam-D5 | 7.647 | 286370 | 3441726 | 0.0832 | 5.1902 |
| Buprenorphine | Buprenorphine-D4 | 7.637 | 7468 | 413040 | 0.0181 | 1.7066 |
| Nordiazepam | Nordiazepam-D5 | 7.715 | 139694 | 862793 | 0.1619 | 5.1563 |
| Diazepam | Diazepam-D5 | 7.771 | 81914 | 862291 | 0.0950 | 5.9136 |

TS

ISP FORENSICS - Pocatello Instrument # 59740

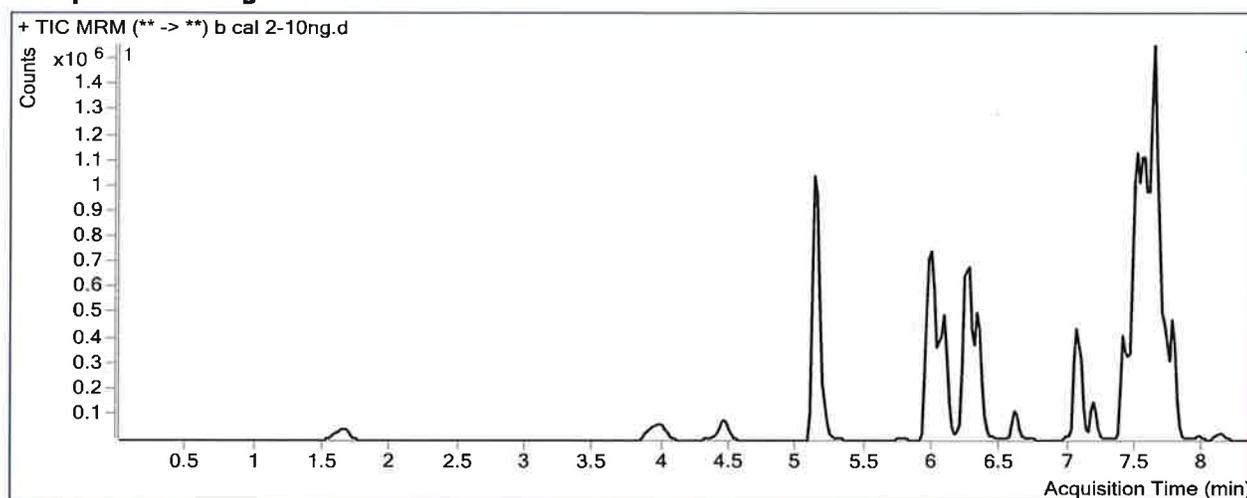
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wk1st 2904 TS\QuantResults\P1b MDQ 012819.batch.bin
Analysis Time 1/29/2019 3:41 PM **Analyst Name** datastor
Report Time 1/29/2019 3:57 PM **Reporter Name** datastor
Last Calib Update 1/29/2019 3:41 PM **Batch State** Processed

Analysis Info

Acq Time 2019-01-28 14:39 **Data File** b cal 2-10ng.d
Sample Type Calibration **Sample Name** b cal 2-10ng.d
Dilution 1 **Acq Method** MD Quant Panel 1b 7-11-18.m
Position P1-B1 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

| Compound | ISTD Compound | RT | Response | ISTD Resp | Resp Ratio | Final Conc |
|----------------------|-------------------------|-------|----------|-----------|------------|------------|
| Oxymorphone | Oxymorphone-D3 | 1.648 | 68266 | 281887 | 0.2422 | 9.4556 |
| Dihydrocodeine | Dihydrocodeine-D6 | 3.990 | 66487 | 408205 | 0.1629 | 9.6983 |
| Noroxycodone | Noroxycodone-D3 | 4.478 | 92233 | 370446 | 0.2490 | 10.1976 |
| O-desmethyl-tramadol | O-desmethyl-tramadol-D6 | 5.161 | 714347 | 3703012 | 0.1929 | 9.6476 |
| Benzoylcegonine | Benzoylcegonine-d8 | 5.811 | 4825 | 35122 | 0.1374 | 35.0857 |
| Ketamine | Ketamine-D4 | 5.982 | 380945 | 1675432 | 0.2274 | 9.4864 |
| Norfentanyl | Norfentanyl-D5 | 6.044 | 33263 | 1929451 | 0.0172 | 1.4545 |
| Cocaine | Cocaine-d3 | 6.252 | 155482 | 2141691 | 0.0726 | 9.5133 |
| alpha-PVP | alpha-PVP-d8 | 6.348 | 228882 | 1381384 | 0.1657 | 9.8387 |
| Mirtazapine | alpha-PVP-d8 | 6.604 | 247247 | 1381384 | 0.1790 | 9.7672 |
| Norbuprenorphine | Norbuprenorphine-D3 | 6.994 | 415 | 46481 | 0.0089 | 1.8045 |
| Fentanyl | Fentanyl-D5 | 7.079 | 22428 | 1475562 | 0.0152 | 0.9579 |
| Mitragynine | Methadone-D9 | 7.156 | 105833 | 2475464 | 0.0428 | 9.7594 |
| EDDP | EDDP-D3 | 7.188 | 50106 | 306113 | 0.1637 | 9.1572 |
| Quetiapine | Quetiapine-D8 | 7.418 | 515725 | 663721 | 0.7770 | 9.2801 |
| Cyclobenzaprine | Cyclobenzaprine-D3 | 7.472 | 169359 | 736600 | 0.2299 | 10.6103 |
| Methadone | Methadone-D9 | 7.502 | 701479 | 2475464 | 0.2834 | 9.6065 |
| Fluoxetine | Fluoxetine-D6 | 7.542 | 533263 | 2249571 | 0.2371 | 9.6056 |
| Oxazepam | Oxazepam-D5 | 7.608 | 146240 | 914134 | 0.1600 | 19.5243 |

TS

ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

b cal 2-10ng

| Compound | ISTD Compound | RT | Response | ISTD Resp | Resp Ratio | Final Conc |
|-----------------|----------------------|-----------|-----------------|------------------|-------------------|-------------------|
| Sertraline | Sertraline-D3 | 7.604 | 173080 | 952286 | 0.1818 | 9.7680 |
| Temazepam | Temazepam-D5 | 7.647 | 645515 | 3422763 | 0.1886 | 10.0666 |
| Buprenorphine | Buprenorphine-D4 | 7.637 | 16437 | 486773 | 0.0338 | 2.0144 |
| Nordiazepam | Nordiazepam-D5 | 7.715 | 290855 | 860147 | 0.3381 | 9.6358 |
| Diazepam | Diazepam-D5 | 7.771 | 186857 | 832221 | 0.2245 | 10.7347 |

TS

ISP FORENSICS - Pocatello Instrument # 59740

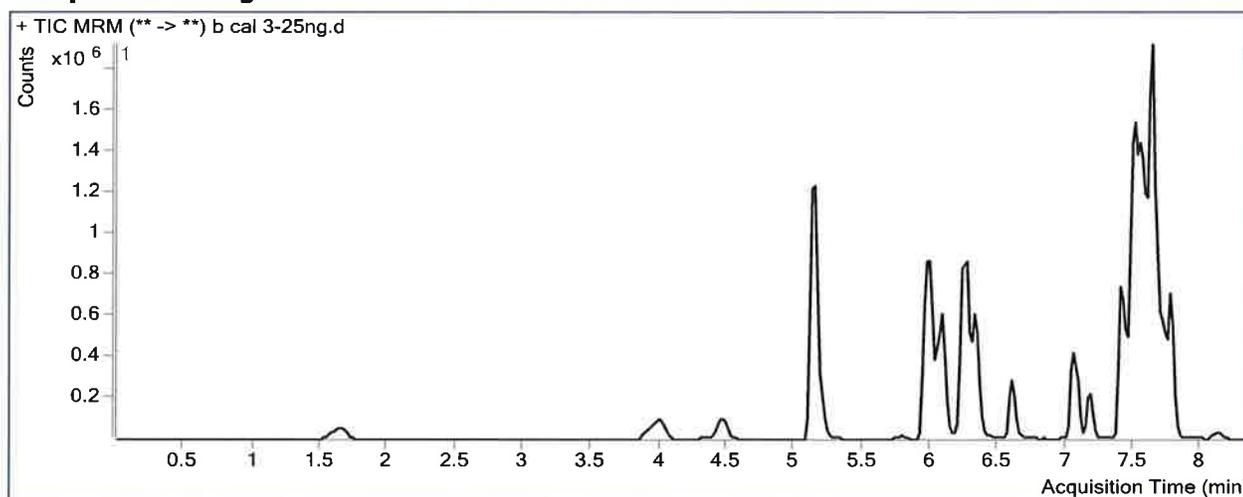
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wk1st 2904 TS\QuantResults\P1b MDQ 012819.batch.bin
Analysis Time 1/29/2019 3:41 PM **Analyst Name** datastor
Report Time 1/29/2019 3:57 PM **Reporter Name** datastor
Last Calib Update 1/29/2019 3:41 PM **Batch State** Processed

Analysis Info

Acq Time 2019-01-28 15:10 **Data File** b cal 3-25ng.d
Sample Type Calibration **Sample Name** b cal 3-25ng.d
Dilution 1 **Acq Method** MD Quant Panel 1b 7-11-18.m
Position P1-C1 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

| Compound | ISTD Compound | RT | Response | ISTD Resp | Resp Ratio | Final Conc |
|----------------------|-------------------------|-------|----------|-----------|------------|------------|
| Oxymorphone | Oxymorphone-D3 | 1.648 | 171644 | 272158 | 0.6307 | 22.5813 |
| Dihydrocodeine | Dihydrocodeine-D6 | 4.010 | 169199 | 398268 | 0.4248 | 23.1367 |
| Noroxycodone | Noroxycodone-D3 | 4.478 | 227608 | 357508 | 0.6367 | 21.8560 |
| O-desmethyl-tramadol | O-desmethyl-tramadol-D6 | 5.161 | 1746299 | 3589999 | 0.4864 | 23.0958 |
| Benzoylcegonine | Benzoylcegonine-d8 | 5.791 | 13877 | 33484 | 0.4144 | 44.4731 |
| Ketamine | Ketamine-D4 | 5.982 | 965888 | 1623112 | 0.5951 | 23.2082 |
| Norfentanyl | Norfentanyl-D5 | 6.044 | 90568 | 1830626 | 0.0495 | 2.7588 |
| Cocaine | Cocaine-d3 | 6.252 | 385131 | 2075138 | 0.1856 | 22.5566 |
| alpha-PVP | alpha-PVP-d8 | 6.328 | 535899 | 1251105 | 0.4283 | 23.6389 |
| Mirtazapine | alpha-PVP-d8 | 6.604 | 618001 | 1251105 | 0.4940 | 24.8476 |
| Norbuprenorphine | Norbuprenorphine-D3 | 6.994 | 2275 | 41064 | 0.0554 | 4.2852 |
| Fentanyl | Fentanyl-D5 | 7.059 | 55373 | 1420166 | 0.0390 | 2.1747 |
| Mitragynine | Methadone-D9 | 7.156 | 248767 | 2329148 | 0.1068 | 23.1200 |
| EDDP | EDDP-D3 | 7.188 | 120125 | 262857 | 0.4570 | 22.1501 |
| Quetiapine | Quetiapine-D8 | 7.418 | 1279819 | 644950 | 1.9844 | 22.5896 |
| Cyclobenzaprine | Cyclobenzaprine-D3 | 7.472 | 406894 | 717727 | 0.5669 | 22.3320 |
| Methadone | Methadone-D9 | 7.502 | 1707290 | 2329148 | 0.7330 | 23.5515 |
| Fluoxetine | Fluoxetine-D6 | 7.542 | 1306095 | 2196170 | 0.5947 | 22.9913 |
| Oxazepam | Oxazepam-D5 | 7.608 | 330704 | 906361 | 0.3649 | 29.4823 |

TS

ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

b cal 3-25ng

| Compound | ISTD Compound | RT | Response | ISTD Resp | Resp Ratio | Final Conc |
|-----------------|----------------------|-----------|-----------------|------------------|-------------------|-------------------|
| Sertraline | Sertraline-D3 | 7.604 | 455201 | 985107 | 0.4621 | 23.3420 |
| Temazepam | Temazepam-D5 | 7.647 | 1343308 | 3196735 | 0.4202 | 20.7835 |
| Buprenorphine | Buprenorphine-D4 | 7.637 | 36547 | 433917 | 0.0842 | 3.0045 |
| Nordiazepam | Nordiazepam-D5 | 7.735 | 701527 | 804347 | 0.8722 | 23.2094 |
| Diazepam | Diazepam-D5 | 7.771 | 457114 | 879868 | 0.5195 | 21.7146 |

TS

ISP FORENSICS - Pocatello Instrument # 59740

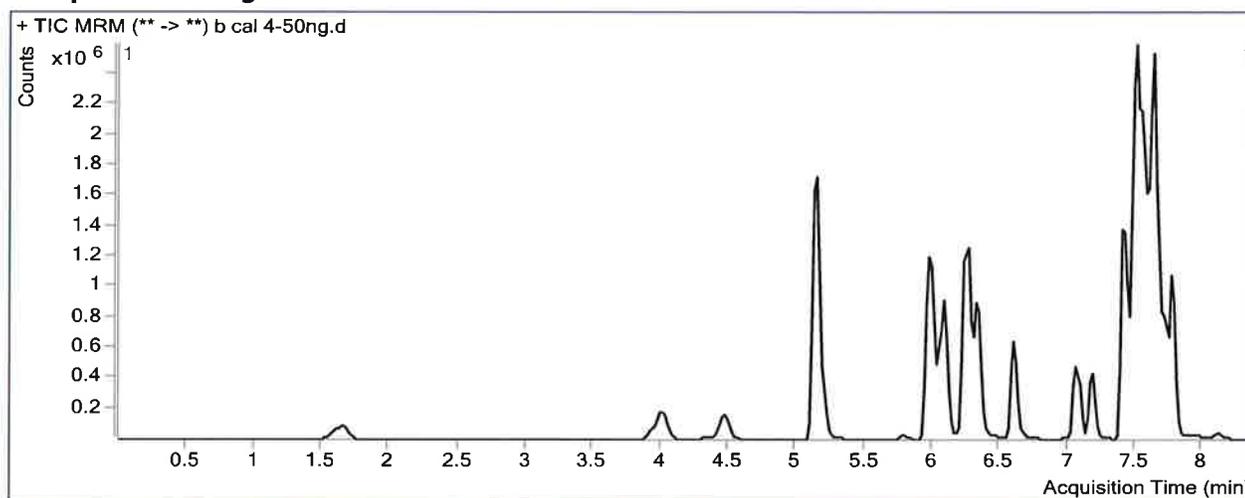
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wk1st 2904 TS\QuantResults\P1b MDQ 012819.batch.bin
Analysis Time 1/29/2019 3:41 PM **Analyst Name** datastor
Report Time 1/29/2019 3:57 PM **Reporter Name** datastor
Last Calib Update 1/29/2019 3:41 PM **Batch State** Processed

Analysis Info

Acq Time 2019-01-28 15:42 **Data File** b cal 4-50ng.d
Sample Type Calibration **Sample Name** b cal 4-50ng.d
Dilution 1 **Acq Method** MD Quant Panel 1b 7-11-18.m
Position P1-D1 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

| Compound | ISTD Compound | RT | Response | ISTD Resp | Resp Ratio | Final Conc |
|----------------------|-------------------------|-------|----------|-----------|------------|------------|
| Oxymorphone | Oxymorphone-D3 | 1.648 | 366367 | 271763 | 1.3481 | 46.8202 |
| Dihydrocodeine | Dihydrocodeine-D6 | 4.010 | 365540 | 402394 | 0.9084 | 47.9437 |
| Noroxycodone | Noroxycodone-D3 | 4.478 | 496372 | 344052 | 1.4427 | 46.0968 |
| O-desmethyl-tramadol | O-desmethyl-tramadol-D6 | 5.161 | 3642605 | 3580949 | 1.0172 | 47.4142 |
| Benzoylcegonine | Benzoylcegonine-d8 | 5.791 | 28808 | 34694 | 0.8303 | 58.5656 |
| Ketamine | Ketamine-D4 | 5.982 | 1980343 | 1632753 | 1.2129 | 46.2625 |
| Norfentanyl | Norfentanyl-D5 | 6.044 | 185656 | 1821073 | 0.1019 | 4.8820 |
| Cocaine | Cocaine-d3 | 6.252 | 841486 | 2084534 | 0.4037 | 47.7309 |
| alpha-PVP | alpha-PVP-d8 | 6.348 | 1181001 | 1327815 | 0.8894 | 47.8656 |
| Mirtazapine | alpha-PVP-d8 | 6.604 | 1353611 | 1327815 | 1.0194 | 50.0055 |
| Norbuprenorphine | Norbuprenorphine-D3 | 6.994 | 3346 | 48417 | 0.0691 | 5.0168 |
| Fentanyl | Fentanyl-D5 | 7.079 | 125870 | 1479839 | 0.0851 | 4.5306 |
| Mitragynine | Methadone-D9 | 7.156 | 607074 | 2498755 | 0.2430 | 51.5179 |
| EDDP | EDDP-D3 | 7.188 | 302132 | 307953 | 0.9811 | 45.3663 |
| Quetiapine | Quetiapine-D8 | 7.418 | 2995810 | 687874 | 4.3552 | 48.7249 |
| Cyclobenzaprine | Cyclobenzaprine-D3 | 7.472 | 934599 | 770042 | 1.2137 | 44.8283 |
| Methadone | Methadone-D9 | 7.502 | 3743092 | 2498755 | 1.4980 | 47.2761 |
| Fluoxetine | Fluoxetine-D6 | 7.542 | 2803247 | 2256840 | 1.2421 | 47.2203 |
| Oxazepam | Oxazepam-D5 | 7.608 | 570928 | 719906 | 0.7931 | 50.2928 |

TS

ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

b cal 4-50ng

| Compound | ISTD Compound | RT | Response | ISTD Resp | Resp Ratio | Final Conc |
|-----------------|----------------------|-----------|-----------------|------------------|-------------------|-------------------|
| Sertraline | Sertraline-D3 | 7.604 | 991469 | 945534 | 1.0486 | 51.7412 |
| Temazepam | Temazepam-D5 | 7.647 | 2788095 | 2882891 | 0.9671 | 46.0886 |
| Buprenorphine | Buprenorphine-D4 | 7.637 | 84325 | 474383 | 0.1778 | 4.8399 |
| Nordiazepam | Nordiazepam-D5 | 7.735 | 1314724 | 696117 | 1.8887 | 49.0461 |
| Diazepam | Diazepam-D5 | 7.771 | 979124 | 841218 | 1.1639 | 45.6994 |

TS

ISP FORENSICS - Pocatello Instrument # 59740

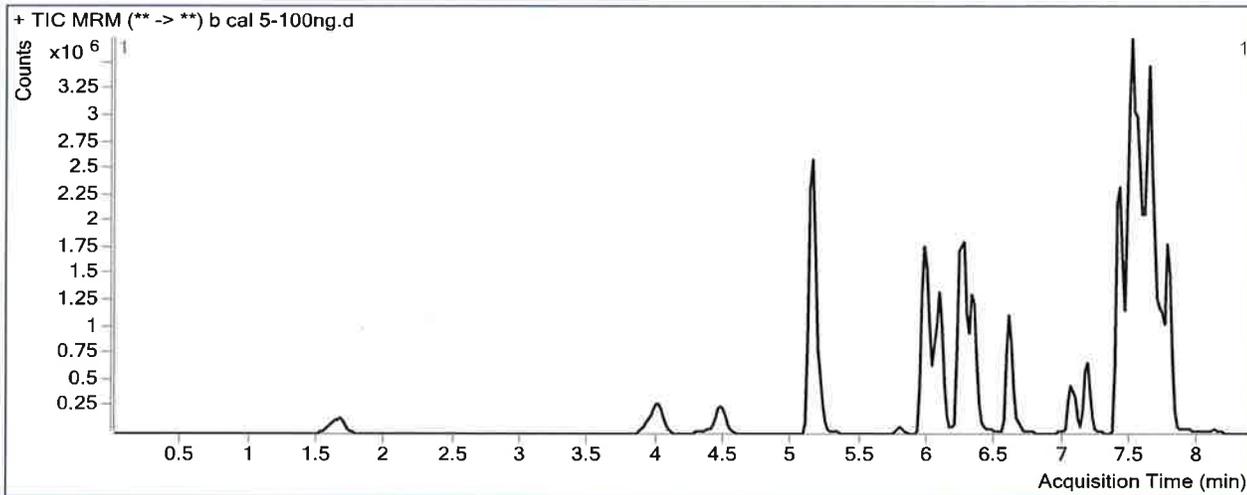
Multi-Drug Confirmatory Analysis Report

| | | | |
|--------------------------|---|----------------------|-----------|
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| Analysis Time | 1/29/2019 3:41 PM | Analyst Name | datastor |
| Report Time | 1/29/2019 3:57 PM | Reporter Name | datastor |
| Last Calib Update | 1/29/2019 3:41 PM | Batch State | Processed |

Analysis Info

| | | | |
|--------------------|------------------|--------------------|-----------------------------|
| Acq Time | 2019-01-28 16:13 | Data File | b cal 5-100ng.d |
| Sample Type | Calibration | Sample Name | b cal 5-100ng.d |
| Dilution | 1 | Acq Method | MD Quant Panel 1b 7-11-18.m |
| Position | P1-E1 | Sample Info | |
| Inj Vol | -1 | Comment | AM 28 |

Sample Chromatogram



Results

| Compound | ISTD Compound | RT | Response | ISTD Resp | Resp Ratio | Final Conc |
|----------------------|-------------------------|-------|----------|-----------|------------|------------|
| Oxymorphone | Oxymorphone-D3 | 1.668 | 737526 | 252189 | 2.9245 | 100.0787 |
| Dihydrocodeine | Dihydrocodeine-D6 | 4.010 | 732003 | 370353 | 1.9765 | 102.7358 |
| Noroxycodone | Noroxycodone-D3 | 4.478 | 949044 | 317224 | 2.9917 | 92.6792 |
| O-desmethyl-tramadol | O-desmethyl-tramadol-D6 | 5.161 | 7187364 | 3369182 | 2.1333 | 98.5473 |
| Benzoylcegonine | Benzoylcegonine-d8 | 5.791 | 62666 | 32004 | 1.9581 | 96.7775 |
| Ketamine | Ketamine-D4 | 5.982 | 4024910 | 1540492 | 2.6127 | 98.5005 |
| Norfentanyl | Norfentanyl-D5 | 6.044 | 368925 | 1690366 | 0.2183 | 9.5878 |
| Cocaine | Cocaine-d3 | 6.252 | 1622312 | 1891646 | 0.8576 | 100.1301 |
| alpha-PVP | alpha-PVP-d8 | 6.348 | 2183632 | 1187463 | 1.8389 | 97.7529 |
| Mirtazapine | alpha-PVP-d8 | 6.604 | 2423626 | 1187463 | 2.0410 | 98.9165 |
| Norbuprenorphine | Norbuprenorphine-D3 | 7.015 | 6025 | 38126 | 0.1580 | 9.7627 |
| Fentanyl | Fentanyl-D5 | 7.079 | 225702 | 1220015 | 0.1850 | 9.6419 |
| Mitragynine | Methadone-D9 | 7.156 | 1030491 | 2079442 | 0.4956 | 104.2089 |
| EDDP | EDDP-D3 | 7.188 | 570216 | 251475 | 2.2675 | 102.3498 |
| Quetiapine | Quetiapine-D8 | 7.418 | 5253421 | 570999 | 9.2004 | 102.1378 |
| Cyclobenzaprine | Cyclobenzaprine-D3 | 7.472 | 1618949 | 629171 | 2.5731 | 92.1128 |
| Methadone | Methadone-D9 | 7.502 | 6472268 | 2079442 | 3.1125 | 97.3484 |
| Fluoxetine | Fluoxetine-D6 | 7.542 | 4867466 | 1877446 | 2.5926 | 97.7627 |
| Oxazepam | Oxazepam-D5 | 7.608 | 863438 | 535048 | 1.6138 | 90.1797 |

ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

TS

b cal 5-100ng

| Compound | ISTD Compound | RT | Response | ISTD Resp | Resp Ratio | Final Conc |
|-----------------|----------------------|-----------|-----------------|------------------|-------------------|-------------------|
| Sertraline | Sertraline-D3 | 7.604 | 1599589 | 783827 | 2.0407 | 99.7832 |
| Temazepam | Temazepam-D5 | 7.647 | 5093161 | 2469479 | 2.0624 | 96.7691 |
| Buprenorphine | Buprenorphine-D4 | 7.637 | 154864 | 372348 | 0.4159 | 9.5130 |
| Nordiazepam | Nordiazepam-D5 | 7.735 | 2231638 | 550912 | 4.0508 | 104.0030 |
| Diazepam | Diazepam-D5 | 7.771 | 1901548 | 786324 | 2.4183 | 92.3858 |

TS

ISP FORENSICS - Pocatello Instrument # 59740

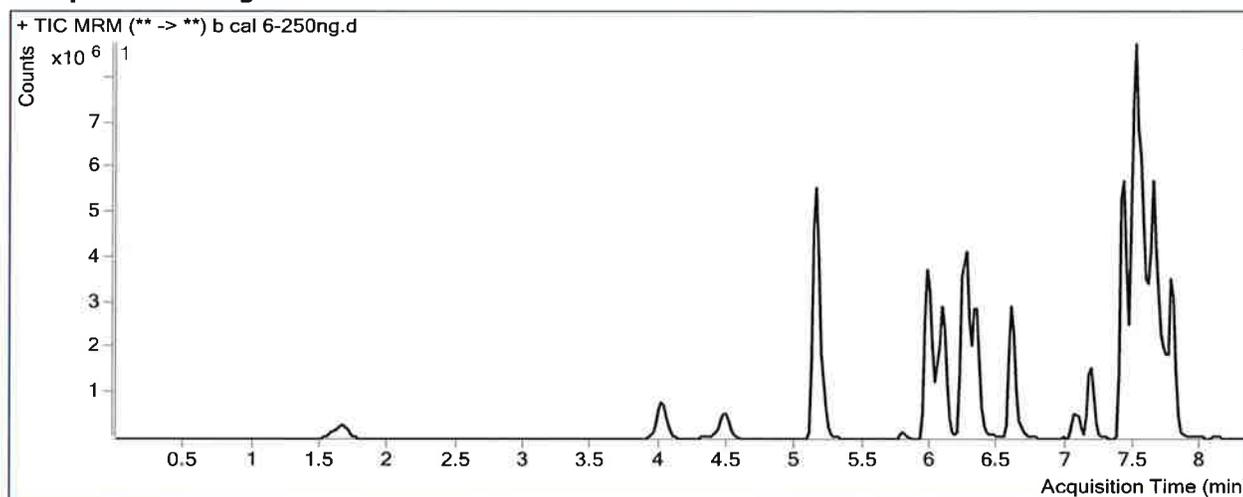
Multi-Drug Confirmatory Analysis Report

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Analysis Time 1/29/2019 3:41 PM **Analyst Name** datastor
Report Time 1/29/2019 3:57 PM **Reporter Name** datastor
Last Calib Update 1/29/2019 3:41 PM **Batch State** Processed

Analysis Info

Acq Time 2019-01-28 16:45 **Data File** b cal 6-250ng.d
Sample Type Calibration **Sample Name** b cal 6-250ng.d
Dilution 1 **Acq Method** MD Quant Panel 1b 7-11-18.m
Position P1-F1 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

| Compound | ISTD Compound | RT | Response | ISTD Resp | Resp Ratio | Final Conc |
|----------------------|-------------------------|-------|----------|-----------|------------|------------|
| Oxymorphone | Oxymorphone-D3 | 1.668 | 1834009 | 238012 | 7.7055 | 261.6080 |
| Dihydrocodeine | Dihydrocodeine-D6 | 4.010 | 1830928 | 374561 | 4.8882 | 252.1038 |
| Noroxycodone | Noroxycodone-D3 | 4.478 | 2272555 | 288822 | 7.8684 | 239.3329 |
| O-desmethyl-tramadol | O-desmethyl-tramadol-D6 | 5.161 | 18636001 | 3298205 | 5.6503 | 259.6862 |
| Benzoylcegonine | Benzoylcegonine-d8 | 5.791 | 177795 | 32579 | 5.4573 | 215.3463 |
| Ketamine | Ketamine-D4 | 5.982 | 10438771 | 1573729 | 6.6331 | 248.5284 |
| Norfentanyl | Norfentanyl-D5 | 6.044 | 960615 | 1682460 | 0.5710 | 23.8591 |
| Cocaine | Cocaine-d3 | 6.252 | 4227368 | 1933659 | 2.1862 | 253.4911 |
| alpha-PVP | alpha-PVP-d8 | 6.348 | 5880140 | 1235409 | 4.7597 | 251.2156 |
| Mirtazapine | alpha-PVP-d8 | 6.604 | 6292506 | 1235409 | 5.0935 | 245.0603 |
| Norbuprenorphine | Norbuprenorphine-D3 | 6.974 | 16619 | 35523 | 0.4678 | 26.2976 |
| Fentanyl | Fentanyl-D5 | 7.079 | 579695 | 1127622 | 0.5141 | 26.4724 |
| Mitragynine | Methadone-D9 | 7.156 | 2540393 | 2019735 | 1.2578 | 263.1983 |
| EDDP | EDDP-D3 | 7.188 | 1585509 | 272787 | 5.8123 | 259.3729 |
| Quetiapine | Quetiapine-D8 | 7.418 | 13350969 | 563900 | 23.6761 | 261.7153 |
| Cyclobenzaprine | Cyclobenzaprine-D3 | 7.472 | 3932437 | 583096 | 6.7441 | 237.1863 |
| Methadone | Methadone-D9 | 7.502 | 17163648 | 2019735 | 8.4980 | 264.3721 |
| Fluoxetine | Fluoxetine-D6 | 7.542 | 11695692 | 1675061 | 6.9822 | 262.0466 |
| Oxazepam | Oxazepam-D5 | 7.588 | 1220497 | 285747 | 4.2712 | 219.3363 |

TS

ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

b cal 6-250ng

| Compound | ISTD Compound | RT | Response | ISTD Resp | Resp Ratio | Final Conc |
|-----------------|----------------------|-----------|-----------------|------------------|-------------------|-------------------|
| Sertraline | Sertraline-D3 | 7.604 | 3241893 | 668858 | 4.8469 | 235.6618 |
| Temazepam | Temazepam-D5 | 7.647 | 9929431 | 1828117 | 5.4315 | 252.6549 |
| Buprenorphine | Buprenorphine-D4 | 7.637 | 370106 | 344440 | 1.0745 | 22.4364 |
| Nordiazepam | Nordiazepam-D5 | 7.735 | 4067475 | 396378 | 10.2616 | 261.8674 |
| Diazepam | Diazepam-D5 | 7.771 | 4341051 | 623978 | 6.9571 | 261.3187 |

TS

ISP FORENSICS - Pocatello Instrument # 59740

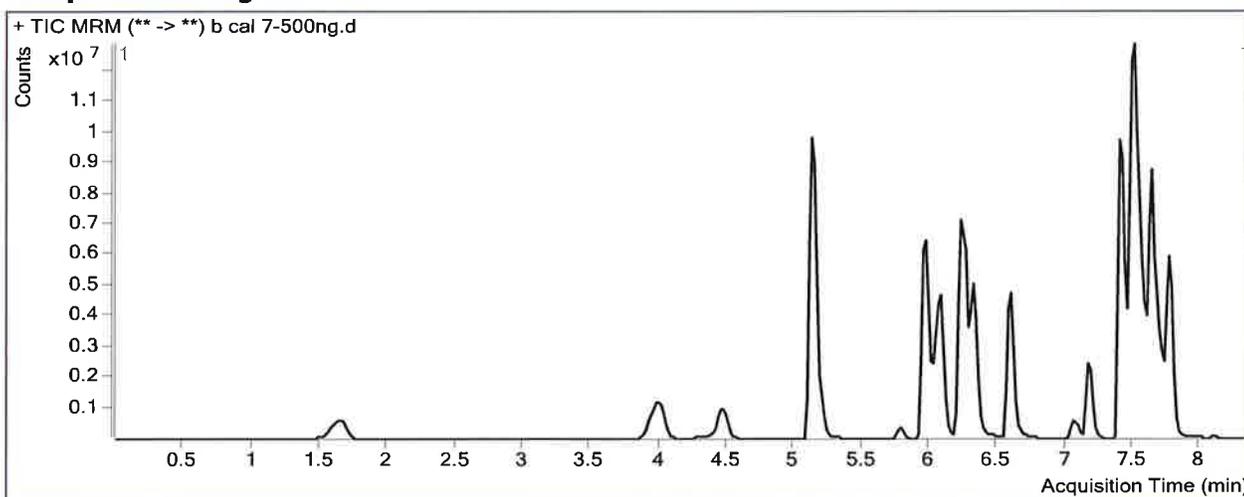
Multi-Drug Confirmatory Analysis Report

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Analysis Time 1/29/2019 3:41 PM **Analyst Name** datastor
Report Time 1/29/2019 3:58 PM **Reporter Name** datastor
Last Calib Update 1/29/2019 3:41 PM **Batch State** Processed

Analysis Info

Acq Time 2019-01-28 17:16 **Data File** b cal 7-500ng.d
Sample Type Calibration **Sample Name** b cal 7-500ng.d
Dilution 1 **Acq Method** MD Quant Panel 1b 7-11-18.m
Position P1-G1 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

| Compound | ISTD Compound | RT | Response | ISTD Resp | Resp Ratio | Final Conc |
|----------------------|-------------------------|-------|----------|-----------|------------|------------|
| Oxymorphone | Oxymorphone-D3 | 1.648 | 3793236 | 242760 | 15.6255 | 529.1850 |
| Dihydrocodeine | Dihydrocodeine-D6 | 3.990 | 3615490 | 358721 | 10.0788 | 518.3799 |
| Noroxycodone | Noroxycodone-D3 | 4.478 | 4211312 | 263003 | 16.0124 | 484.2470 |
| O-desmethyl-tramadol | O-desmethyl-tramadol-D6 | 5.140 | 37797997 | 3129150 | 12.0793 | 554.2367 |
| Benzoylcegonine | Benzoylcegonine-d8 | 5.791 | 413821 | 31883 | 12.9793 | 470.2173 |
| Ketamine | Ketamine-D4 | 5.982 | 20710307 | 1449344 | 14.2894 | 534.2354 |
| Norfentanyl | Norfentanyl-D5 | 6.024 | 1811824 | 1510759 | 1.1993 | 49.2822 |
| Cocaine | Cocaine-d3 | 6.232 | 7653360 | 1669135 | 4.5852 | 530.4157 |
| alpha-PVP | alpha-PVP-d8 | 6.328 | 10565365 | 1063466 | 9.9348 | 523.1295 |
| Mirtazapine | alpha-PVP-d8 | 6.604 | 10681663 | 1063466 | 10.0442 | 482.0897 |
| Norbuprenorphine | Norbuprenorphine-D3 | 6.974 | 25507 | 28144 | 0.9063 | 49.6988 |
| Fentanyl | Fentanyl-D5 | 7.059 | 796922 | 777819 | 1.0246 | 52.5794 |
| Mitragynine | Methadone-D9 | 7.156 | 3714994 | 1479185 | 2.5115 | 524.7086 |
| EDDP | EDDP-D3 | 7.188 | 2746141 | 240941 | 11.3976 | 506.7855 |
| Quetiapine | Quetiapine-D8 | 7.399 | 23555499 | 452254 | 52.0847 | 574.8858 |
| Cyclobenzaprine | Cyclobenzaprine-D3 | 7.472 | 5658164 | 402468 | 14.0587 | 491.6044 |
| Methadone | Methadone-D9 | 7.502 | 27194186 | 1479185 | 18.3846 | 570.9927 |
| Fluoxetine | Fluoxetine-D6 | 7.542 | 16415918 | 1133924 | 14.4771 | 542.5434 |
| Oxazepam | Oxazepam-D5 | 7.588 | 2003096 | 205485 | 9.7481 | 485.5195 |

TS

ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

b cal 7-500ng

| Compound | ISTD Compound | RT | Response | ISTD Resp | Resp Ratio | Final Conc |
|-----------------|----------------------|-----------|-----------------|------------------|-------------------|-------------------|
| Sertraline | Sertraline-D3 | 7.604 | 4282053 | 403845 | 10.6032 | 514.3905 |
| Temazepam | Temazepam-D5 | 7.647 | 17774883 | 1507751 | 11.7890 | 546.8148 |
| Buprenorphine | Buprenorphine-D4 | 7.637 | 489038 | 217663 | 2.2468 | 45.4389 |
| Nordiazepam | Nordiazepam-D5 | 7.715 | 6411146 | 314253 | 20.4012 | 519.5923 |
| Diazepam | Diazepam-D5 | 7.771 | 8146607 | 621986 | 13.0977 | 489.8738 |

TS

ISP FORENSICS - Pocatello Instrument # 59740

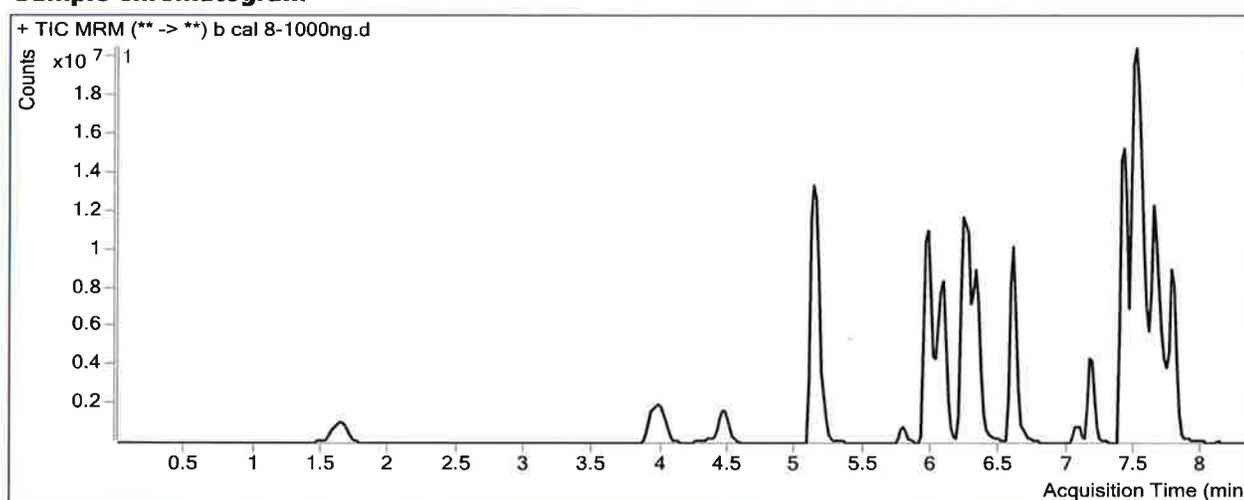
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\012819 MDQ P1 wkst 2904 TS\QuantResults\P1b MDQ 012819.batch.bin
Analysis Time 1/29/2019 3:41 PM **Analyst Name** datastor
Report Time 1/29/2019 3:58 PM **Reporter Name** datastor
Last Calib Update 1/29/2019 3:41 PM **Batch State** Processed

Analysis Info

Acq Time 2019-01-28 17:48 **Data File** b cal 8-1000ng.d
Sample Type Calibration **Sample Name** b cal 8-1000ng.d
Dilution 1 **Acq Method** MD Quant Panel 1b 7-11-18.m
Position P1-H1 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

| Compound | ISTD Compound | RT | Response | ISTD Resp | Resp Ratio | Final Conc |
|----------------------|-------------------------|-------|----------|-----------|------------|------------|
| Oxymorphone | Oxymorphone-D3 | 1.648 | 7079941 | 226334 | 31.2809 | 1058.1103 |
| Dihydrocodeine | Dihydrocodeine-D6 | 3.970 | 6712689 | 351672 | 19.0879 | 980.5380 |
| Noroxycodone | Noroxycodone-D3 | 4.458 | 7844396 | 227613 | 34.4638 | 1039.1289 |
| O-desmethyl-tramadol | O-desmethyl-tramadol-D6 | 5.140 | 61979075 | 2860535 | 21.6670 | 993.5051 |
| Benzoylcegonine | Benzoylcegonine-d8 | 5.791 | 961528 | 31672 | 30.3585 | 1059.0933 |
| Ketamine | Ketamine-D4 | 5.982 | 38642718 | 1308508 | 29.5319 | 1103.0325 |
| Norfentanyl | Norfentanyl-D5 | 6.024 | 3298987 | 1316753 | 2.5054 | 102.1301 |
| Cocaine | Cocaine-d3 | 6.232 | 13809714 | 1493383 | 9.2473 | 1068.5649 |
| alpha-PVP | alpha-PVP-d8 | 6.328 | 19945950 | 988683 | 20.1743 | 1061.1295 |
| Mirtazapine | alpha-PVP-d8 | 6.604 | 22317715 | 988683 | 22.5732 | 1081.9470 |
| Norbuprenorphine | Norbuprenorphine-D3 | 6.974 | 43057 | 23908 | 1.8010 | 97.4486 |
| Fentanyl | Fentanyl-D5 | 7.079 | 1492303 | 673175 | 2.2168 | 113.5546 |
| Mitragynine | Methadone-D9 | 7.156 | 6538627 | 1510540 | 4.3287 | 903.7417 |
| EDDP | EDDP-D3 | 7.188 | 5723612 | 221808 | 25.8043 | 1144.9646 |
| Quetiapine | Quetiapine-D8 | 7.418 | 36220154 | 433784 | 83.4981 | 921.1809 |
| Cyclobenzaprine | Cyclobenzaprine-D3 | 7.472 | 10719984 | 361160 | 29.6821 | 1035.0209 |
| Methadone | Methadone-D9 | 7.502 | 45892241 | 1510540 | 30.3813 | 943.0577 |
| Fluoxetine | Fluoxetine-D6 | 7.542 | 26350137 | 963790 | 27.3401 | 1023.9461 |
| Oxazepam | Oxazepam-D5 | 7.588 | 2678580 | 127136 | 21.0687 | 1035.7089 |

TS

ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

b cal 8-1000ng

| Compound | ISTD Compound | RT | Response | ISTD Resp | Resp Ratio | Final Conc |
|-----------------|----------------------|-----------|-----------------|------------------|-------------------|-------------------|
| Sertraline | Sertraline-D3 | 7.604 | 6003090 | 273596 | 21.9414 | 1063.4044 |
| Temazepam | Temazepam-D5 | 7.647 | 26286741 | 1077395 | 24.3984 | 1130.2503 |
| Buprenorphine | Buprenorphine-D4 | 7.637 | 765403 | 141803 | 5.3977 | 107.2672 |
| Nordiazepam | Nordiazepam-D5 | 7.735 | 8089087 | 212372 | 38.0893 | 969.1824 |
| Diazepam | Diazepam-D5 | 7.771 | 12944954 | 477048 | 27.1355 | 1012.3593 |