


















15

**Worklist: 2667**

<u>LAB_CASE</u>	<u>ITEM</u>	<u>TASK_ID</u>	<u>DESCRIPTION</u>	
M2018-3504	1	125468	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
M2018-3547	1	125469	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
M2018-3556	2	125470	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
M2018-3558	1	125471	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
M2018-3859	2	125472	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-2117	1	125473	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-2118	1	125474	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-2123	1	125475	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-2164	1	125476	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-2229	1	125477	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-2276	1	125478	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-2284	1	125479	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-2286	1	125480	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-2294	1	125481	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-2300	2	125482	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-2314	1	125483	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-2319	6	125484	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	

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

Extraction Date: 08/28/18  
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:** 361331-1

**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: \_\_\_\_\_

## Analytic:

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

## Post-Analytic

- 1. Create batch and process data.  
Worklist path: *C:\MassHunter\Data\2018\MD Quant\082818 MDQ P1 TS worklist 2667*  
Batch Name: *P1a MDQ worklist 2667 TS*  
*P1b MDQ worklist 2667 TS*
- 2. Make necessary changes to integration limits
- 3. Integration linear and R<sup>2</sup> values ≥0.98 for each analyte.
- 4. For unknown samples and controls: response ratio within 20% of average of controls and standards, RT within +/- 5% (tramadol RT +/-2%), S/N for primary transition >10 and secondary transitions >5.
- 5. Did all QCs pass for each analyte? Y / N \_\_\_\_\_ Add Control data to QC tracking spreadsheet.
- 6. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports.

COMMENTS:

TS

*Curves Limited:*    *Amphetamine 25-1000*  
                          *Phentermine 10-1000*  
                          *Tramadol 5-500*  
                          *Venlafaxine 5-500*  
                          *Zolpidem 5-500*  
                          *Benzoyllecgonine 5-250*  
                          *EDDP 10-1000*  
                          *Fentanyl 2.5-100*  
                          *Fluoxetine 10-1000*  
                          *Nordiazepam 5-500*  
                          *Norfentanyl 2.5-100*  
                          *O-desmethyl Tramadol 5-500*  
                          *Quetiapine 5-500*

*Not evaluated:*    *Lorazepam*  
                          *Norhydrocodone*  
                          *Buprenorphine*  
                          *Norbuprenorphine*



# Idaho State Police Forensic Services

TS

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

**Analyst:** Tamara Salazar  
**Extraction Date:** 08/28/18  
**Worklist Number:** 2667

<i>Reagent</i>	<i>Lot Number</i>	<i>Expiration Date</i>	<i>Date in Service</i>	<i>Date Out of Service</i>	<i>Initials</i>
ToxBox Benzo/Opiate Quant Plate	0530563	05/21/19	06/05/18		
Negative Blood	361331-1		05/25/18		
Methanol External Control Solution	121217	12/12/18	12/12/17		
Blood External Control Solution	WS121217	12/12/18	12/12/17		
0.5M Ammonium Hydroxide	082818	02/28/19	08/28/18		
Formic Acid (LCMS Grade)	095180B		11/15/17		
Water (LCMS Grade)	181370		06/21/18		
Methanol (LCMS Grade)	177145		04/11/18		
Ammonium Formate (LCMS Grade)	A0287238		01/30/17		
Ammonium Acetate (HPLC)	096256A		06/18/18		
Ammonium Hydroxide (ACS grade or better)	053200		08/03/07		
Ethyl Acetate (ACS grade or better)	100362		06/26/17		
20% LCMS Methanol in LCMS Water	082818	Remake as needed	08/28/18		
5mM Ammonium Formate + 0.01% Formic Acid in Water (Mobile Phase A)	082818		08/28/18		
0.01% Formic Acid in Methanol (Mobile Phase B)	082818		08/28/18		
Needle Rinse--75% LCMS MeOH in LCMS Water	081518		08/15/18		

**Methanol External Control Solution (Lot:121217)**  
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	172516	
Trazodone	Cerilliant	FN12151403	01/01/2020
Ketamine	Cerilliant	FE01131504	02/01/2020
Morphine	Cerilliant	FE08141515	11/01/2020
Quetiapine	Cerilliant	FN02021502	02/01/2020
Prepared:	12/12/17		
Prepared By:	Tamara Salazar		
Expires:	12/12/18		

**Blood External Control Solution (Lot: WS121217)**

50 ul of methanol external control solution was added to 9950 ul of blood.

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
Negative Blood	Hemostat	361331-3
Methanol External Control Solution		121217
Prepared:	12/12/17	
Prepared by:	Tamara Salazar	
Expires:	12/12/18	

**0.5M Ammonium Hydroxide (Lot: 082818)**

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
Ammonium Hydroxide (ACS grade or better)	Fisher	053200
DI Water	-	-
Prepared:	08/28/18	
Prepared By:	Tamara Salazar	
Expires:	02/28/19	

**20% LCMS Methanol in LCMS Water (Lot: 082818)**

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
MeOH (LCMS Grade)	Fisher	177145
Water (LCMS Grade)	Fisher	181370
Prepared:	08/28/18	
Prepared By:	Tamara Salazar	
Expires:	Remake as needed	

**5mM Ammonium Formate + 0.01% Formic Acid in Water (Mobile Phase A)(Lot: 082818)**

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
Ammonium Formate	Arcos Organic	A0287238
LCMS Water	Fisher	181370
Formic Acid	Fisher	095180B
Prepared:	08/28/18	
Prepared By:	Tamara Salazar	

**0.01% Formic Acid in LCMS Methanol (Mobile Phase B) (Lot: 082818)**

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
Formic Acid	Fisher	095180B
MeOH (LCMS Grade)	Fisher	177145
Prepared:	08/28/18	
Prepared By:	Tamara Salazar	

**Needle Rinse (75% LCMS MeOH in LCMS Water) (Lot: 081518)**

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
MeOH (LCMS Grade)	Fisher	177145
Water (LCMS Grade)	Fisher	181370
Prepared:	08/15/18	
Prepared By:	Sarah Pickle	

TS

# ISP FORENSICS - Pocatello Instrument # 59740

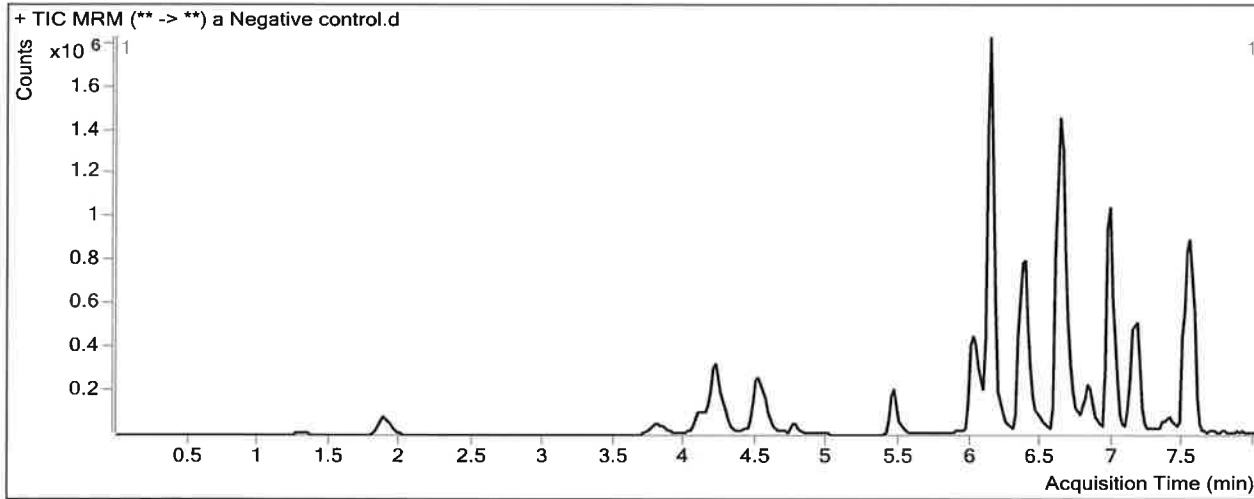
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\082818 MDQ P1 TS worklist 2667\QuantResults\P1a MDQ worklist 2667  
**Analysis Time** 8/31/2018 11:04 AM **Analyst Name** ISPUser  
**Report Time** 8/31/2018 11:11 AM **Reporter Name** ISPUser  
**Last Calib Update** 8/31/2018 11:04 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-08-28 21:44 **Data File** a Negative control.d  
**Sample Type** Sample **Sample Name** a Negative control  
**Dilution** 1 **Acq Method** MD Quant Panel 1a 7-11-18\_volume test.m  
**Position** P1-E2 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28 worklist 2667

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Amphetamine	Amphetamine-D11	4.263	294806	420030	0.7019	2.0032 <5 TS

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# ISP FORENSICS - Pocatello Instrument # 59740

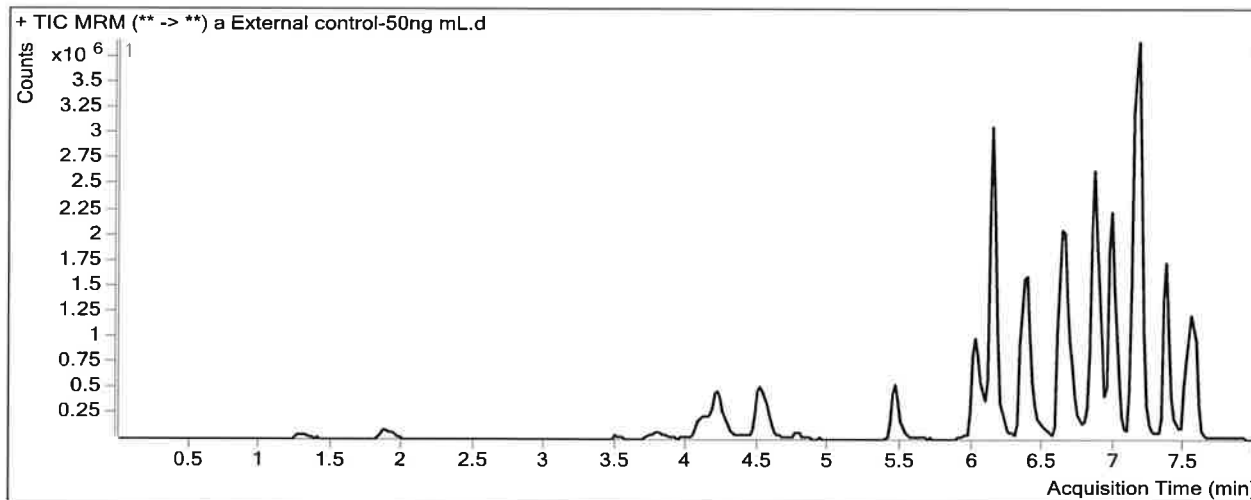
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\082818 MDQ P1 TS worklist 2667\QuantResults\P1a MDQ worklist 2667  
**Analysis Time** 8/31/2018 11:04 AM **Analyst Name** ISPUser  
**Report Time** 8/31/2018 11:11 AM **Reporter Name** ISPUser  
**Last Calib Update** 8/31/2018 11:04 AM **Batch State** Processed

**Analysis Info**

**Acq Time** 2018-08-28 22:16 **Data File** a External control-50ng mL.d  
**Sample Type** Sample **Sample Name** a External control-50ng mL  
**Dilution** 1 **Acq Method** MD Quant Panel 1a 7-11-18\_volume test.m  
**Position** P1-F2 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28; WS121217 50 ng trazodone, ketamine, morphine, quetiapine

**Sample Chromatogram**



**Results**

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
<u>Morphine</u>	Morphine-D6	1.308	184291	80039	2.3025	<u>39.8101</u>
Amphetamine	Amphetamine-D11	4.263	298961	1095089	0.2730	0.0000
<u>Trazodone</u>	Trazodone-D6	6.855	3640537	3049871	1.1937	<u>39.8228</u>

TS

# ISP FORENSICS - Pocatello Instrument # 59740

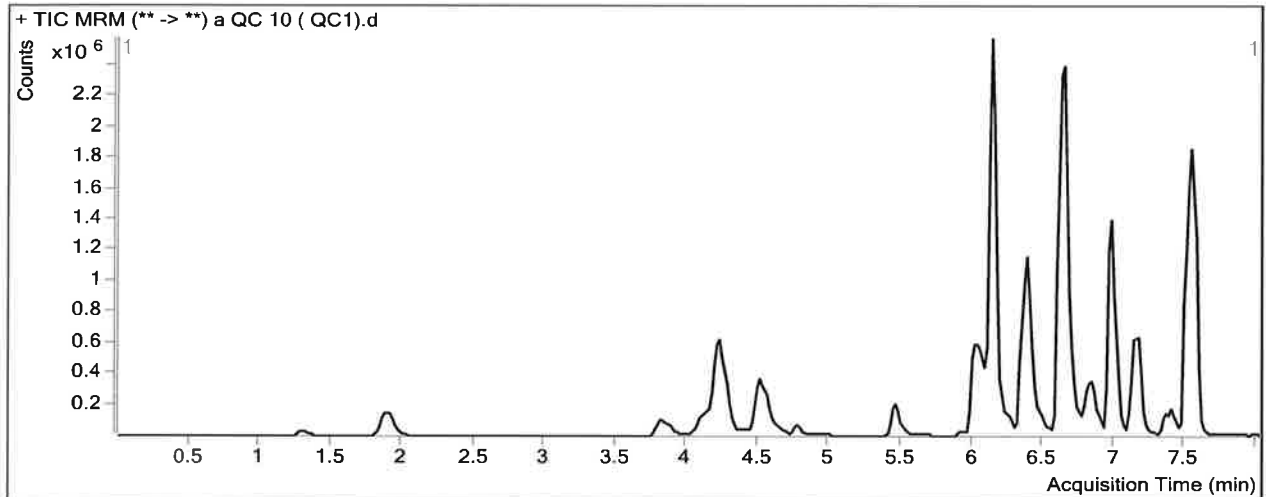
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\082818 MDQ P1 TS worklist 2667\QuantResults\P1a MDQ worklist 2667  
**Analysis Time** 8/31/2018 11:04 AM **Analyst Name** ISPUser  
**Report Time** 8/31/2018 11:11 AM **Reporter Name** ISPUser  
**Last Calib Update** 8/31/2018 11:04 AM **Batch State** Processed

**Analysis Info**

**Acq Time** 2018-08-28 23:19 **Data File** a QC 10 ( QC1).d  
**Sample Type** QC **Sample Name** a QC 10 ( QC1)  
**Dilution** 1 **Acq Method** MD Quant Panel 1a 7-11-18\_volume test.m  
**Position** P1-A2 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28 worklist 2667

**Sample Chromatogram**



**Results**

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.328	43246	97637	0.4429	9.2719
Hydromorphone	Hydromorphone-D6	1.909	140267	620673	0.2260	8.9913
Codeine	Codeine-D6	3.872	56207	307074	0.1830	8.2801
Oxycodone	Oxycodone-D6	4.249	582849	2473361	0.2357	9.6231
<del>Amphetamine</del>	<del>Amphetamine-D11</del>	<del>4.263</del>	<del>789496</del>	<del>511682</del>	<del>1.5429</del>	<del>13.2469</del> <i>outside curve range. TS</i>
Hydrocodone	Hydrocodone-D6	4.554	174822	1241985	0.1408	9.9599
<del>Norhydrocodone</del>	<del>Norhydrocodone-D3</del>	<del>4.597</del>	<del>7915</del>	<del>294887</del>	<del>0.0268</del>	<del>24.3819</del> <i>Not excluded. TS</i>
Methamphetamine	Methamphetamine-D11	4.641	156481	455864	0.3433	7.2708
6-MAM	6-MAM-D6	4.789	5677	258518	0.0220	0.8570
Phentermine	Phentermine-D5	5.506	78580	897219	0.0876	9.7329
Dextrorphan	Dextrorphan-D3	6.023	177479	1654569	0.1073	9.5257
7-aminoclonazepam	7-Aminoclonazepam-D4	6.074	304774	1324749	0.2301	10.1342
Tramadol	Tramadol-13C-D3	6.160	1558492	8403800	0.1855	9.4272
Metoprolol	Tramadol-13C-D3	6.261	116956	8403800	0.0139	9.2479
Doxylamine	Doxylamine-D5	6.403	728331	4168455	0.1747	9.2936
Zolpidem	Zolpidem-D6	6.637	1469454	8682457	0.1692	9.7398
Bupropion	Bupropion-D9	6.711	137280	576036	0.2383	9.1000
Meprobamate	Meprobamate-D7	6.833	145857	547787	0.2663	10.8381
Trazodone	Trazodone-D6	6.855	173348	671881	0.2580	9.4510
Venlafaxine	Venlafaxine-D6	6.986	871106	3799611	0.2293	9.9539



TS

# ISP FORENSICS - Pocatello Instrument # 59740

## Multi-Drug Confirmatory Analysis Report

a QC 10 (QC1)

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.118	124652	689057	0.1809	9.4007
Dextromethorphan	Dextromethorphan-D3	7.150	28450	122269	0.2327	0.9358
Diphenhydramine	Diphenhydramine-D3	7.174	230881	1358916	0.1699	8.6826
Promethazine	Promethazine-D3	7.369	73392	323053	0.2272	9.6083
Clonazepam	Clonazepam-D4	7.425	143362	142181	1.0083	9.0831
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.481	45177	245851	0.1838	8.1229
Carisoprodol	Carisoprodol-D7	7.514	485437	2232474	0.2174	10.0979
<del>Lorazepam</del>	<del>Clonazepam-D4</del>	<del>7.523</del>	<del>46825</del>	<del>142181</del>	<del>0.3293</del>	<del>11.2572</del>
Alprazolam	Alprazolam-D5	7.548	1045722	3645383	0.2869	9.4958

Not evaluated  
TS

Wrong concentration entered in the instrument for dextromethorphan. The actual concentration is a factor of 10 higher.

TS

# ISP FORENSICS - Pocatello Instrument # 59740

## Multi-Drug Confirmatory Analysis Report

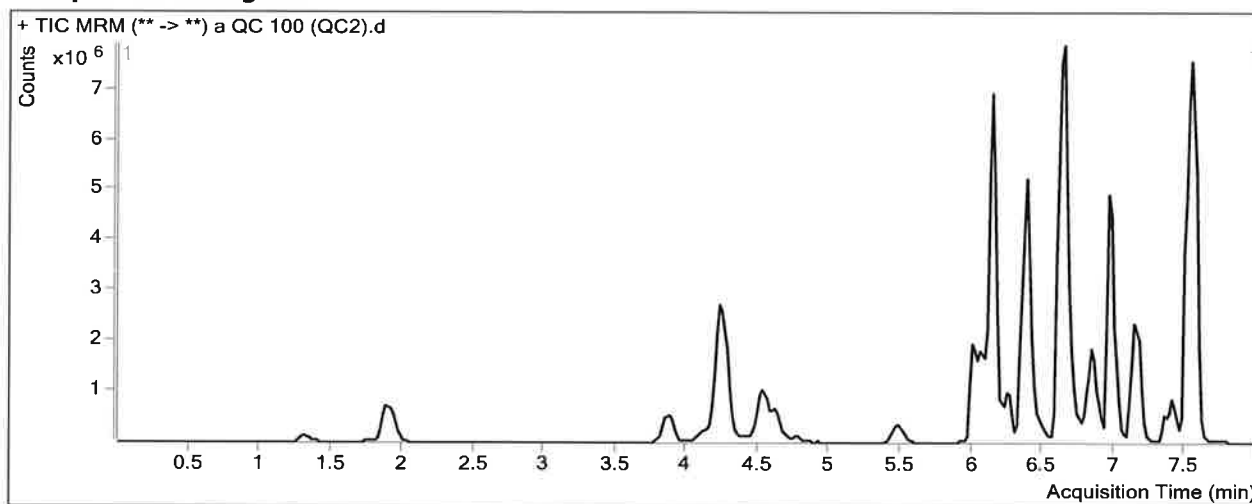
TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\082818 MDQ P1 TS worklist 2667\QuantResults\P1a MDQ worklist 2667  
**Analysis Time** 8/31/2018 11:04 AM **Analyst Name** ISPUser  
**Report Time** 8/31/2018 11:11 AM **Reporter Name** ISPUser  
**Last Calib Update** 8/31/2018 11:04 AM **Batch State** Processed

**Analysis Info**

**Acq Time** 2018-08-29 02:11 **Data File** a QC 100 (QC2).d  
**Sample Type** QC **Sample Name** a QC 100 (QC2)  
**Dilution** 1 **Acq Method** MD Quant Panel 1a 7-11-18\_volume test.m  
**Position** P1-B2 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28 worklist 2667

**Sample Chromatogram**



**Results**

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.308	524942	99239	5.2897	88.8650
Hydromorphone	Hydromorphone-D6	1.909	1855593	665048	2.7902	92.7603
Codeine	Codeine-D6	3.872	725866	307548	2.3602	92.5260
Oxycodone	Oxycodone-D6	4.249	7017908	2575081	2.7253	99.8513
Amphetamine	Amphetamine-D11	4.243	4158479	491960	8.4529	105.6205
Hydrocodone	Hydrocodone-D6	4.534	2218650	1284609	1.7271	90.4898
<del>Norhydrocodone</del>	<del>Norhydrocodone-D3</del>	<del>4.597</del>	<del>88713</del>	<del>280020</del>	<del>0.3168</del>	<del>88.1625</del> <i>not evaluated.</i>
Methamphetamine	Methamphetamine-D11	4.621	2096887	498995	4.2022	95.8348
6-MAM	6-MAM-D6	4.769	59097	266482	0.2218	8.7024
Phentermine	Phentermine-D5	5.506	1056786	906681	1.1656	100.0954
Dextrophan	Dextrophan-D3	6.003	2195181	1709870	1.2838	97.9468
7-aminoclonazepam	7-Aminoclonazepam-D4	6.074	3427010	1323312	2.5897	87.1842
Tramadol	Tramadol-13C-D3	6.140	17519383	8817341	1.9869	105.1446
Metoprolol	Tramadol-13C-D3	6.261	1419092	8817341	0.1609	94.8814
Doxylamine	Doxylamine-D5	6.381	8976204	4486669	2.0006	102.6263
Zolpidem	Zolpidem-D6	6.637	17221468	9359122	1.8401	101.0158
Bupropion	Bupropion-D9	6.711	1576463	451367	3.4926	100.7702
Meprobamate	Meprobamate-D7	6.833	1847594	555664	3.3250	105.7157
Trazodone	Trazodone-D6	6.855	2508905	795871	3.1524	103.4033
Venlafaxine	Venlafaxine-D6	6.966	10475084	4112095	2.5474	98.0671

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	7.118	1687293	770848	2.1889	94.9967
Dextromethorphan	Dextromethorphan-D3	7.150	361700	136380	2.6521	9.3800
Diphenhydramine	Diphenhydramine-D3	7.174	2978406	1474054	2.0206	102.2895
Promethazine	Promethazine-D3	7.349	1048492	386010	2.7162	99.5306
Clonazepam	Clonazepam-D4	7.405	1895723	147713	12.8339	89.6526
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.481	628990	254407	2.4724	94.0790
Carisoprodol	Carisoprodol-D7	7.514	5407955	2216977	2.4393	98.2608
<del>Lorazepam</del>	<del>Clonazepam-D4</del>	<del>7.523</del>	<del>607744</del>	<del>147713</del>	<del>4.1144</del>	<del>80.6822</del>
Alprazolam	Alprazolam-D5	7.548	11839718	3533781	3.3504	103.0230

Not evaluated  
TS

Wrong concentration entered in the instrument for dextromethorphan. The actual concentration is a factor of 10 higher.

TS

TS

# ISP FORENSICS - Pocatello Instrument # 59740

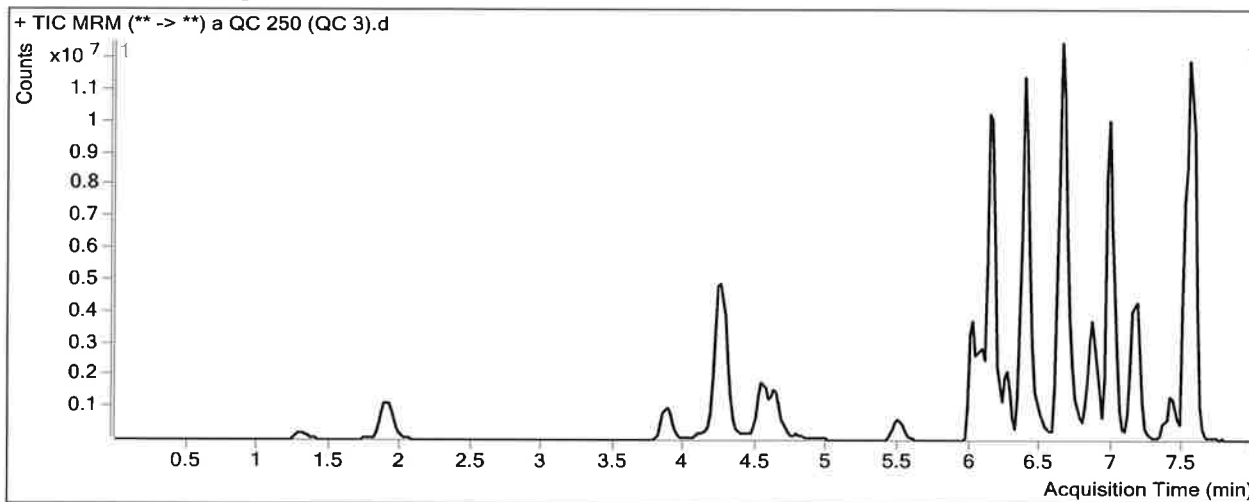
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\082818 MDQ P1 TS worklist 2667\QuantResults\P1a MDQ worklist 2667  
**Analysis Time** 8/31/2018 11:04 AM **Analyst Name** ISPUser  
**Report Time** 8/31/2018 11:11 AM **Reporter Name** ISPUser  
**Last Calib Update** 8/31/2018 11:04 AM **Batch State** Processed

**Analysis Info**

**Acq Time** 2018-08-29 05:51 **Data File** a QC 250 (QC 3).d  
**Sample Type** QC **Sample Name** a QC 250 (QC 3)  
**Dilution** 1 **Acq Method** MD Quant Panel 1a 7-11-18\_volume test.m  
**Position** P1-C2 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28 worklist 2667

**Sample Chromatogram**



**Results**

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.308	908369	64621	14.0569	232.8402
Hydromorphone	Hydromorphone-D6	1.909	3403509	442522	7.6912	252.8715
Codeine	Codeine-D6	3.872	1403223	211396	6.6379	258.0562
Oxycodone	Oxycodone-D6	4.249	13369990	1839597	7.2679	264.4792
Amphetamine	Amphetamine-D11	4.243	8355078	449773	18.5762	240.9517
Hydrocodone	Hydrocodone-D6	4.534	4416483	951433	4.6419	238.4597
Norhydrocodone	Norhydrocodone-D3	4.597	187310	221978	0.8438	204.0821
Methamphetamine	Methamphetamine-D11	4.641	5410457	512941	10.5479	241.4698
6-MAM	6-MAM-D6	4.789	116032	183694	0.6317	24.7967
Phentermine	Phentermine-D5	5.506	2595742	901687	2.8788	243.7072
Dextroprphan	Dextroprphan-D3	6.023	4867287	1504759	3.2346	244.5509
7-aminoclonazepam	7-Aminoclonazepam-D4	6.074	6087116	856934	7.1034	234.5682
Tramadol	Tramadol-13C-D3	6.160	34687923	7065781	4.9093	260.4180
Metoprolol	Tramadol-13C-D3	6.261	3124929	7065781	0.4423	258.7321
Doxylamine	Doxylamine-D5	6.381	20983113	4219566	4.9728	254.5509
Zolpidem	Zolpidem-D6	6.637	30581697	6570022	4.6547	254.7781
Bupropion	Bupropion-D9	6.711	2826307	346128	8.1655	232.3985
Meprobamate	Meprobamate-D7	6.833	3200616	367771	8.7028	272.5244
Trazodone	Trazodone-D6	6.855	5770952	663986	8.6914	283.1987
Venlafaxine	Venlafaxine-D6	6.986	24578199	3826635	6.4229	245.3789

Not evaluated.  
TS

TS

# ISP FORENSICS - Pocatello Instrument # 59740

## Multi-Drug Confirmatory Analysis Report

a QC 250 (QC 3)

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.118	3418259	622947	5.4872	235.5992
Dextromethorphan	Dextromethorphan-D3	7.150	818052	109087	7.4991	26.2963
Diphenhydramine	Diphenhydramine-D3	7.174	6943055	1354464	5.1261	259.3672
Promethazine	Promethazine-D3	7.369	1310596	182181	7.1939	261.2976
Clonazepam	Clonazepam-D4	7.425	3174433	91022	34.8753	239.8247
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.481	1065536	179866	5.9241	223.7173
Carisoprodol	Carisoprodol-D7	7.514	8427457	1531391	5.5031	219.8300
<del>Lorazepam</del>	<del>Clonazepam-D4</del>	<del>7.543</del>	<del>1122933</del>	<del>91022</del>	<del>12.3369</del>	<del>231.4994</del>
Alprazolam	Alprazolam-D5	7.548	19925836	2390690	8.3348	255.1883

Not evaluated  
TS

Wrong concentration entered in the instrument for dextromethorphan. The actual concentration is a factor of 10 higher.

TS

# ISP FORENSICS - Pocatello Instrument # 59740

## Multi-Drug Confirmatory Analysis Report

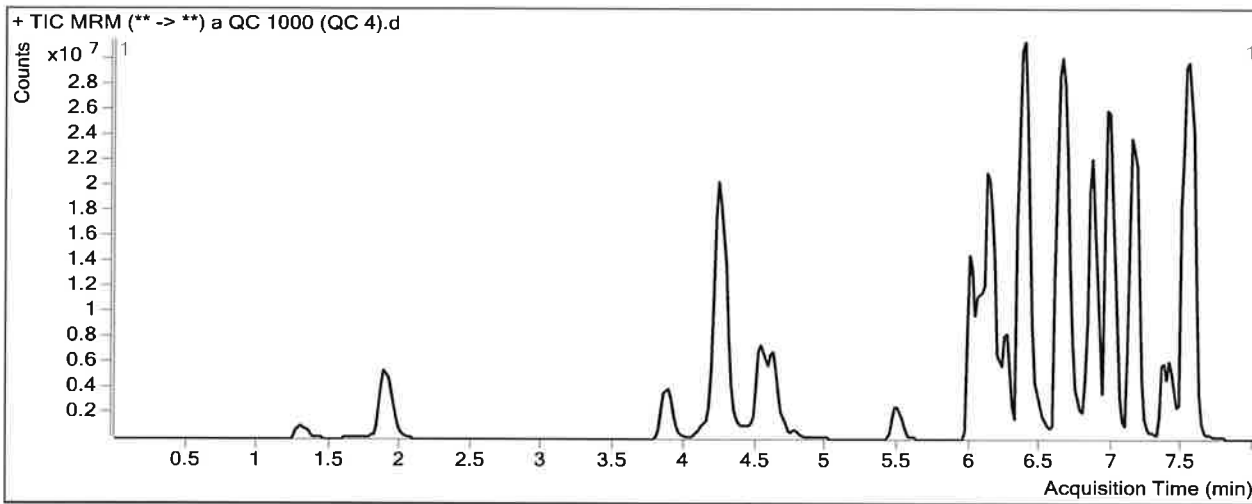
TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\082818 MDQ P1 TS worklist 2667\QuantResults\P1a MDQ worklist 2667  
**Analysis Time** 8/31/2018 11:04 AM **Analyst Name** ISPUser  
**Report Time** 8/31/2018 11:11 AM **Reporter Name** ISPUser  
**Last Calib Update** 8/31/2018 11:04 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-08-29 08:13 **Data File** a QC 1000 (QC 4).d  
**Sample Type** QC **Sample Name** a QC 1000 (QC 4)  
**Dilution** 1 **Acq Method** MD Quant Panel 1a 7-11-18\_volume test.m  
**Position** P1-D2 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28 worklist 2667

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.308	4482375	68351	65.5792	1078.9369
Hydromorphone	Hydromorphone-D6	1.909	16151205	477806	33.8029	1105.9155
Codeine	Codeine-D6	3.872	5701737	223840	25.4724	986.8748
Oxycodone	Oxycodone-D6	4.229	61931759	2125265	29.1407	1057.1747
Amphetamine	Amphetamine-D11	4.243	32447224	521400	62.2310	824.5398
Hydrocodone	Hydrocodone-D6	4.534	20834802	1078183	19.3240	983.7887
Norhydrocodone	Norhydrocodone-D3	4.597	1009394	195359	5.1669	1154.9631
Methamphetamine	Methamphetamine-D11	4.621	23707351	509587	46.5227	1067.0982
6-MAM	6-MAM-D6	4.769	622976	201870	3.0860	121.1665
Phentermine	Phentermine-D5	5.506	10998980	954311	11.5256	968.5377
Dextroprphan	Dextroprphan-D3	6.003	21814804	1531799	14.2413	1071.7262
7-aminoclonazepam	7-Aminoclonazepam-D4	6.074	27208776	908937	29.9347	980.0801
Tramadol	Tramadol-13C-D3	6.140	87790819	7603762	11.5457	613.0303
Metoprolol	Tramadol-13C-D3	6.261	13299436	7603762	1.7491	1019.8594
Doxylamine	Doxylamine-D5	6.381	82141838	5189892	15.8273	809.3834
Zolpidem	Zolpidem-D6	6.637	90237927	7155035	12.6118	689.4661
Bupropion	Bupropion-D9	6.711	13097698	314169	41.6900	1176.7422
Meprobamate	Meprobamate-D7	6.833	13294583	384489	34.5773	1075.1104
Trazodone	Trazodone-D6	6.855	39294848	1100152	35.7177	1160.4735
Venlafaxine	Venlafaxine-D6	6.966	79116158	4201613	18.8299	716.9775

Not evaluated. TS

outside curve range. TS

outside curve range. 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	7.118	22094802	866686	25.4934	1088.4223
Dextromethorphan	Dextromethorphan-D3	7.150	5908066	191959	30.7777	107.5414
Diphenhydramine	Diphenhydramine-D3	7.174	38576082	1846877	20.8872	1056.5734
Promethazine	Promethazine-D3	7.369	14695752	468105	31.3942	1135.5838
Clonazepam	Clonazepam-D4	7.405	14018941	101102	138.6609	946.9340
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.481	5307106	189990	27.9336	1050.3531
Carisoprodol	Carisoprodol-D7	7.514	29736438	1135432	26.1895	1040.6493
<del>Lorazepam</del>	<del>Clonazepam-D4</del>	<del>7.523</del>	<del>5312343</del>	<del>101102</del>	<del>52.5442</del>	<del>968.9817</del> <i>Not evaluated</i>
Alprazolam	Alprazolam-D5	7.548	55680579	1837751	30.2982	925.7056

Wrong concentration entered in the instrument for dextromethorphan. The actual concentration is a factor of 10 higher.

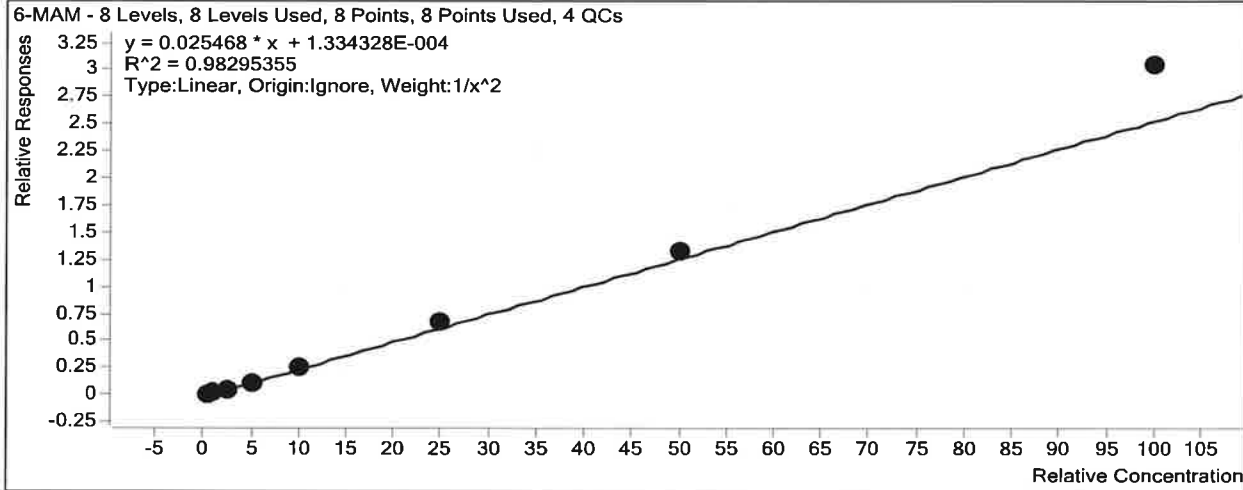
TS

# ISP Forensics Calibration Curve Report

13

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\082818 MDQ P1 TS worklist 2667\QuantResults\P1a MDQ worklist 2667 TS.batch.bin  
**Last Calib Update** 8/31/2018 11:04 AM **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	1	<input checked="" type="checkbox"/>	0.5	0.5	106.0
a cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.0	96.8
a QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	1	0.9	85.7
a cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.1	83.8
a cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.3	86.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.8	97.5
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	10	8.7	87.0
a cal 6-250ng	6	<input checked="" type="checkbox"/>	25	26.4	105.5
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	25	24.8	99.2
a cal 7-500ng	7	<input checked="" type="checkbox"/>	50	52.0	104.0
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	119.5	119.5
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	100	121.2	121.2

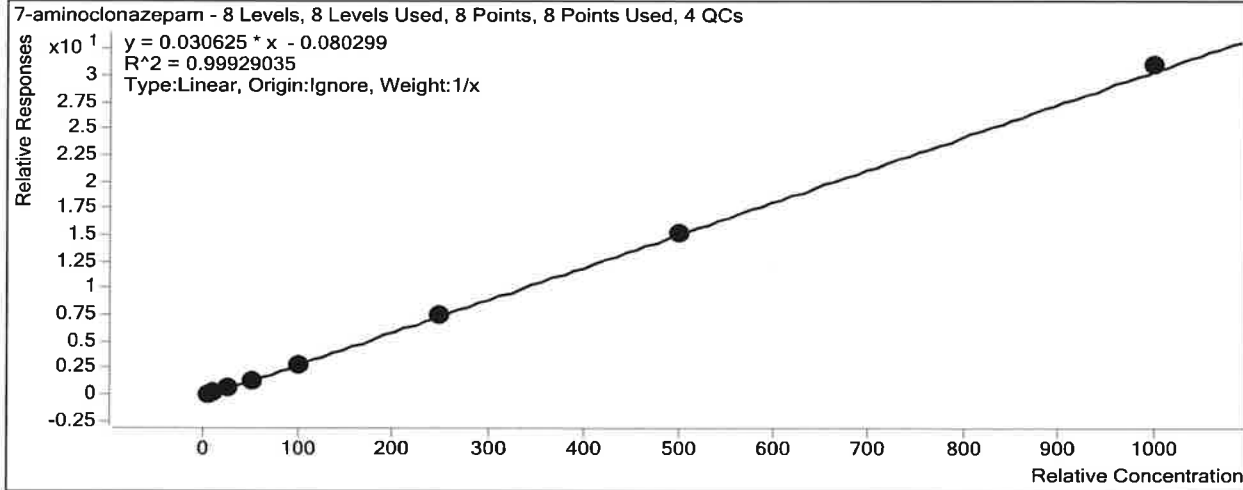


# ISP Forensics Calibration Curve Report

TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\082818 MDQ P1 TS worklist 2667\QuantResults\P1a MDQ worklist 2667 TS.batch.bin  
**Last Calib Update** 8/31/2018 11:04 AM **Analyst Name** ISP TOX

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



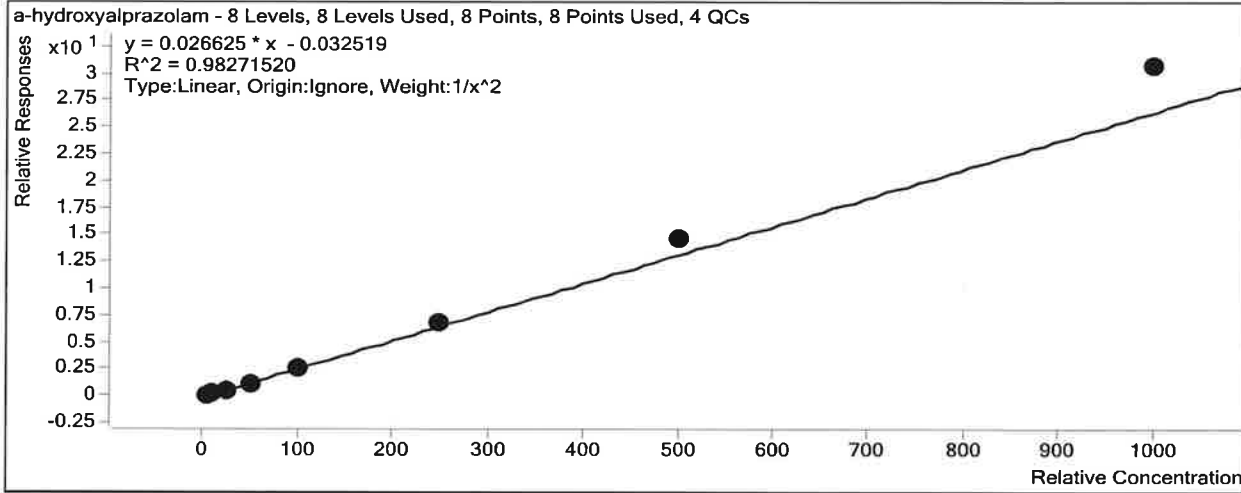
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	6.3	126.0
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	96.3
a QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	10.1	101.3
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	21.9	87.5
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.5	93.1
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.2	97.2
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	87.2	87.2
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	248.2	99.3
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	234.6	93.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	497.4	99.5
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1012.9	101.3
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	980.1	98.0

# ISP Forensics Calibration Curve Report

TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\082818 MDQ P1 TS worklist 2667\QuantResults\P1a MDQ worklist 2667 TS.batch.bin  
**Last Calib Update** 8/31/2018 11:04 AM **Analyst Name** ISP TOX

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



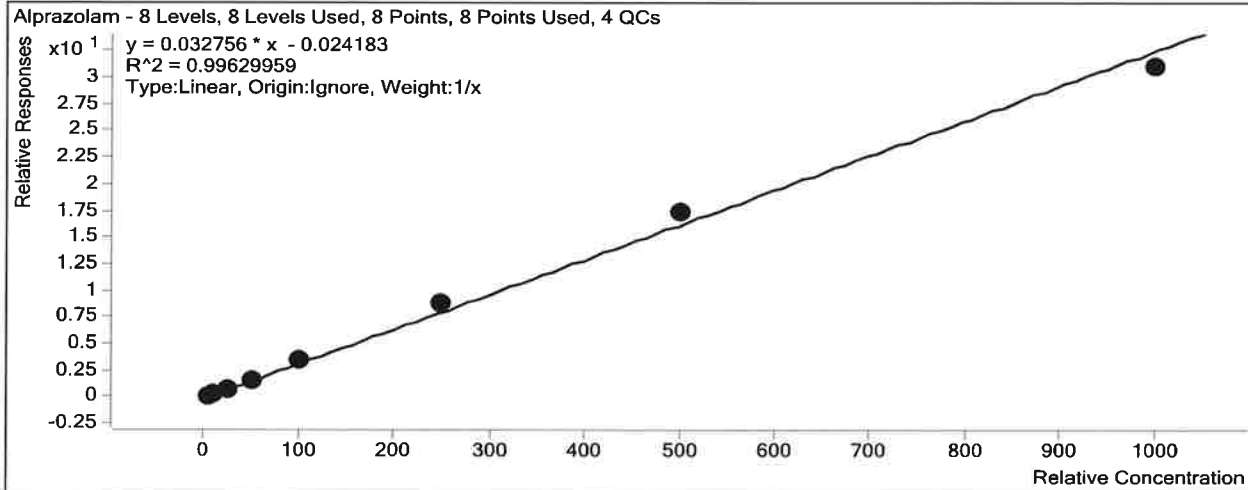
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.4	108.0
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.3	93.4
a QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	8.1	81.2
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	20.1	80.2
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	45.7	91.5
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.4	98.4
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	94.1	94.1
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	256.8	102.7
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	223.7	89.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	552.6	110.5
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1153.5	115.4
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1050.4	105.0

# ISP Forensics Calibration Curve Report

TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\082818 MDQ P1 TS worklist 2667\QuantResults\P1a MDQ worklist 2667 TS.batch.bin  
**Last Calib Update** 8/31/2018 11:04 AM **Analyst Name** ISP TOX

**Target Compound** Alprazolam  
**Internal Standard** Alprazolam-D5



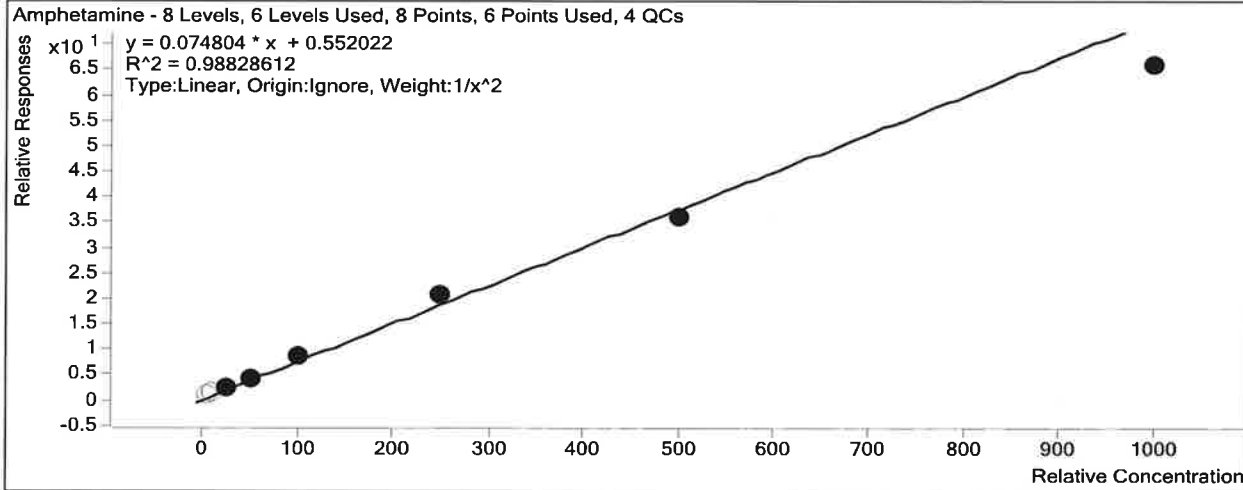
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
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a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	96.0
a QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	9.5	95.0
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.9	91.7
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.9	99.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	105.5	105.5
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	103.0	103.0
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	269.3	107.7
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	255.2	102.1
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	530.3	106.1
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	947.5	94.8
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	925.7	92.6

# ISP Forensics Calibration Curve Report

TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\082818 MDQ P1 TS worklist 2667\QuantResults\P1a MDQ worklist 2667 TS.batch.bin  
**Last Calib Update** 8/31/2018 11:04 AM **Analyst Name** ISP TOX

**Target Compound** Amphetamine  
**Internal Standard** Amphetamine-D11



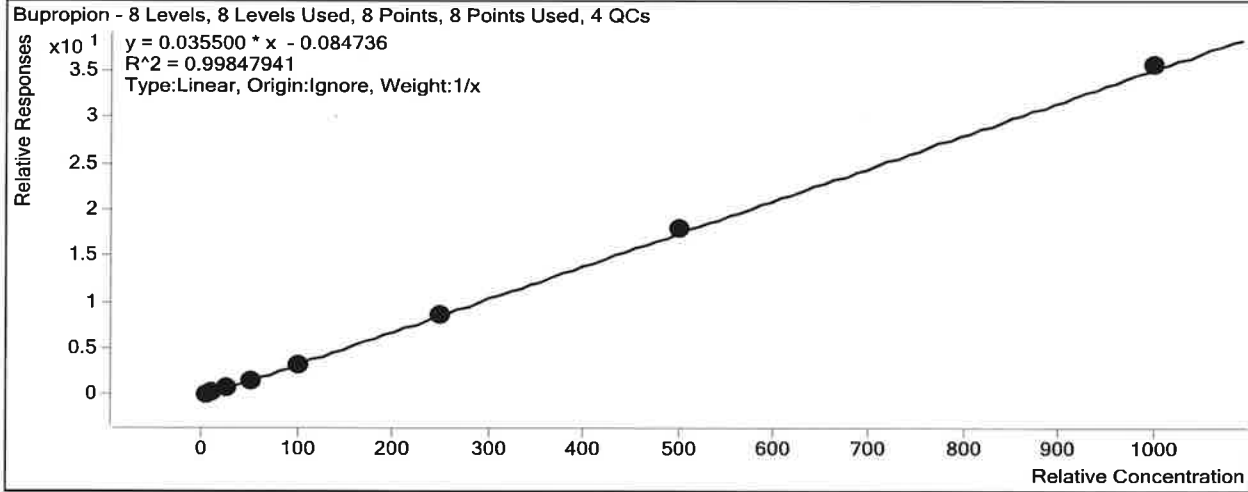
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input type="checkbox"/>	5	10.3	205.3
a cal 2-10ng	2	<input type="checkbox"/>	10	13.4	134.1
a QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	13.2	132.5
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.7	95.0
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.4	104.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	109.5	109.5
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	105.6	105.6
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	269.7	107.9
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	241.0	96.4
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	477.3	95.5
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	874.0	87.4
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	824.5	82.5

# ISP Forensics Calibration Curve Report

TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\082818 MDQ P1 TS worklist 2667\QuantResults\P1a MDQ worklist 2667 TS.batch.bin  
**Last Calib Update** 8/31/2018 11:04 AM **Analyst Name** ISP TOX

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



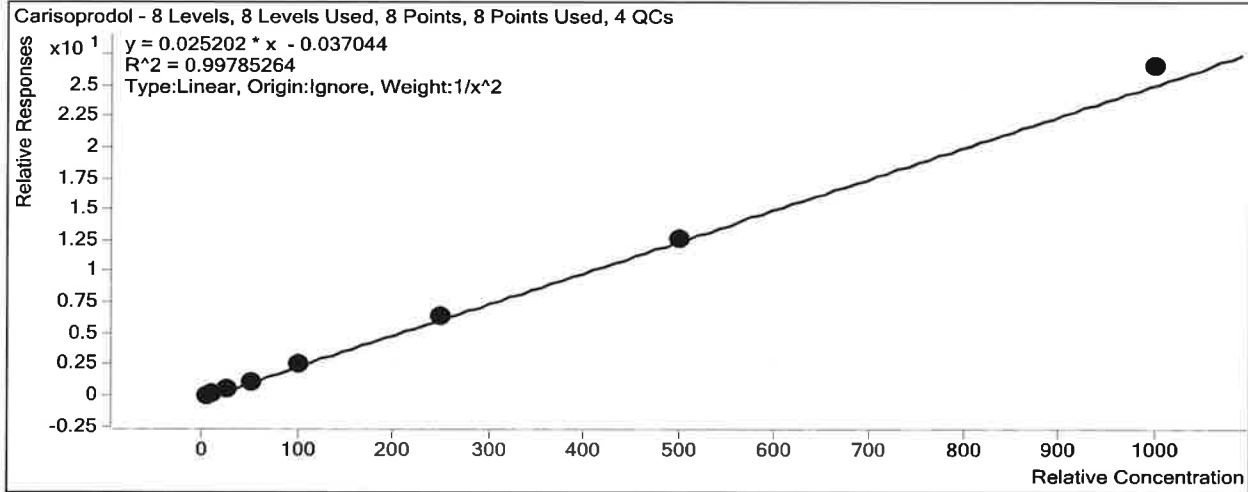
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a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.5	105.1
a QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	9.1	91.0
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.0	88.1
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	42.5	85.1
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	92.3	92.3
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	100.8	100.8
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	249.5	99.8
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	232.4	93.0
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	510.0	102.0
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1006.8	100.7
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1176.7	117.7

# ISP Forensics Calibration Curve Report

TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\082818 MDQ P1 TS worklist 2667\QuantResults\P1a MDQ worklist 2667 TS.batch.bin  
**Last Calib Update** 8/31/2018 11:04 AM **Analyst Name** ISP TOX

**Target Compound** *Carisoprodol*  
**Internal Standard** *Carisoprodol-D7*



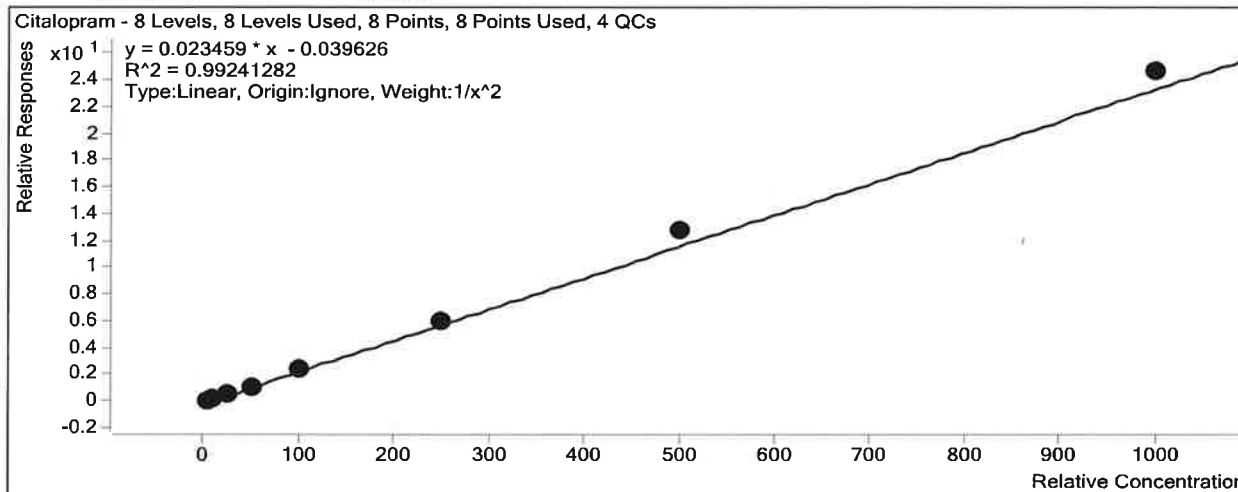
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a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.4	93.7
a QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	10.1	101.0
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.3	97.2
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.9	95.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.7	101.7
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	98.3	98.3
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	253.4	101.4
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	219.8	87.9
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	505.1	101.0
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1052.5	105.3
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1040.6	104.1

# ISP Forensics Calibration Curve Report

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**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\082818 MDQ P1 TS worklist 2667\QuantResults\P1a MDQ worklist 2667 TS.batch.bin  
**Last Calib Update** 8/31/2018 11:04 AM **Analyst Name** ISP TOX

**Target Compound** Citalopram  
**Internal Standard** Citalopram-D6



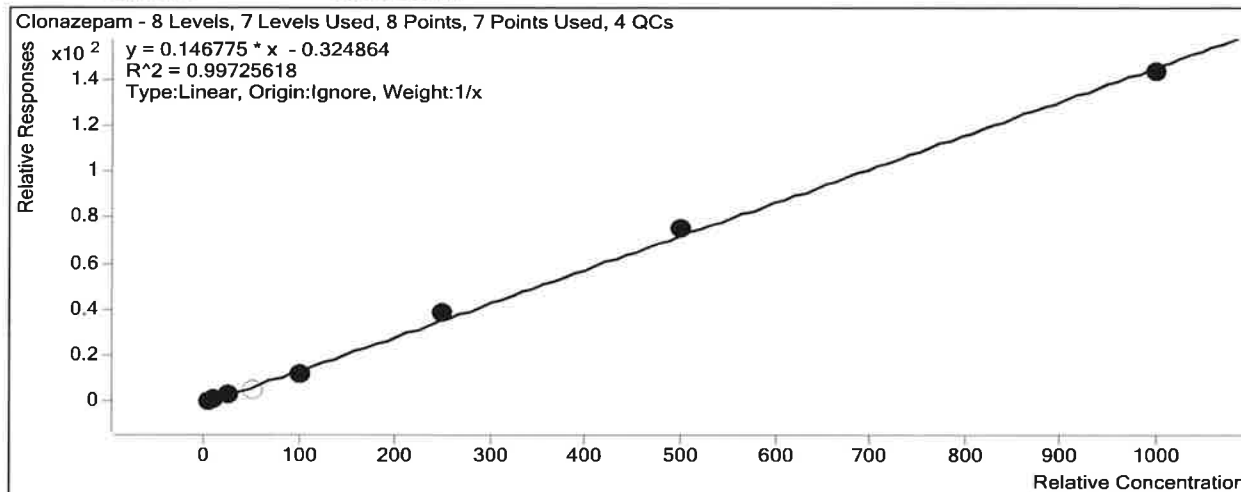
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.3	105.5
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.5	95.2
a QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	9.4	94.0
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	21.4	85.8
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.8	95.6
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.4	100.4
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	95.0	95.0
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	257.2	102.9
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	235.6	94.2
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	548.0	109.6
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1051.2	105.1
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1088.4	108.8

# ISP Forensics Calibration Curve Report

TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\082818 MDQ P1 TS worklist 2667\QuantResults\P1a MDQ worklist 2667 TS.batch.bin  
**Last Calib Update** 8/31/2018 11:04 AM **Analyst Name** ISP TOX

**Target Compound** Clonazepam  
**Internal Standard** Clonazepam-D4



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	6.3	126.0
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.2	92.0
a QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	9.1	90.8
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	21.6	86.3
a cal 4-50ng	4	<input type="checkbox"/>	50	35.5	71.1 — 2nd transition peak cut-off. TS
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	87.1	87.1
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	89.7	89.7
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	266.6	106.7
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	239.8	95.9
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	519.6	103.9
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	979.5	98.0
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	946.9	94.7

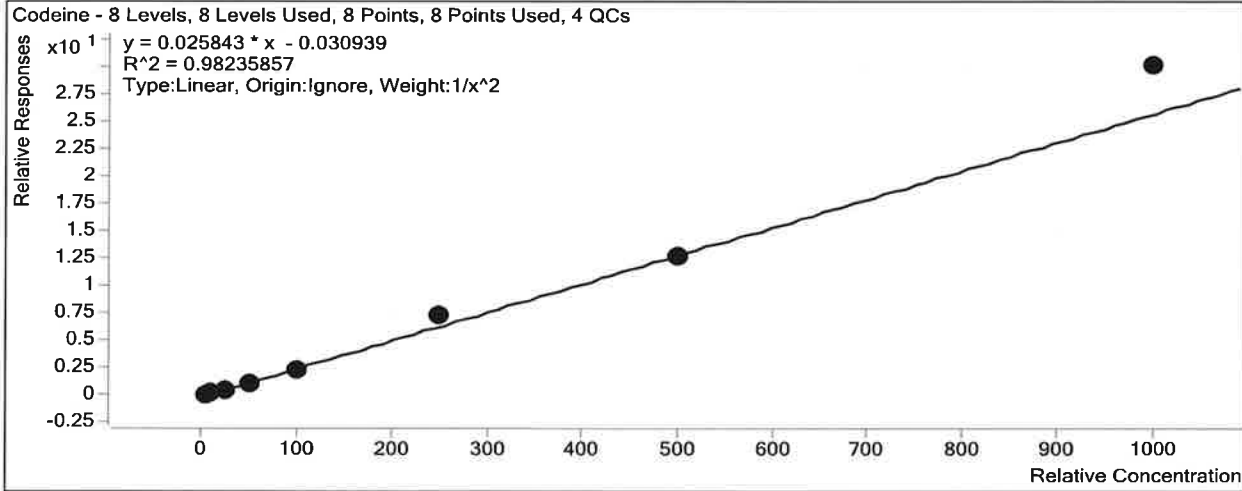


# ISP Forensics Calibration Curve Report

TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\082818 MDQ P1 TS worklist 2667\QuantResults\P1a MDQ worklist 2667 TS.batch.bin  
**Last Calib Update** 8/31/2018 11:04 AM **Analyst Name** ISP TOX

**Target Compound** Codeine  
**Internal Standard** Codeine-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	103.1
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.3	102.8
a QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	8.3	82.8
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	20.7	82.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	44.2	88.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	93.4	93.4
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	92.5	92.5
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	284.4	113.8
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	258.1	103.2
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	495.9	99.2
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1163.8	116.4
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	986.9	98.7

# ISP Forensics Calibration Curve Report

15

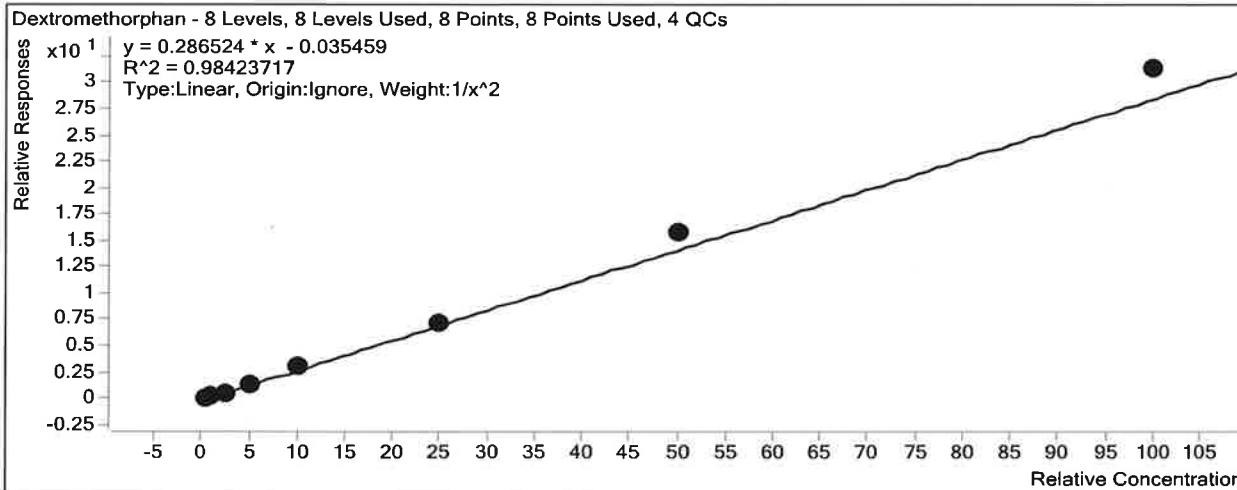
**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\082818 MDQ P1 TS worklist 2667\QuantResults\P1a

**Last Calib Update** MDQ worklist 2667 TS.batch.bin

**Analyst Name** 8/31/2018 11:04 AM **ISP TOX**

**Target Compound** *Dextromethorphan*

**Internal Standard** *Dextromethorphan-D3*



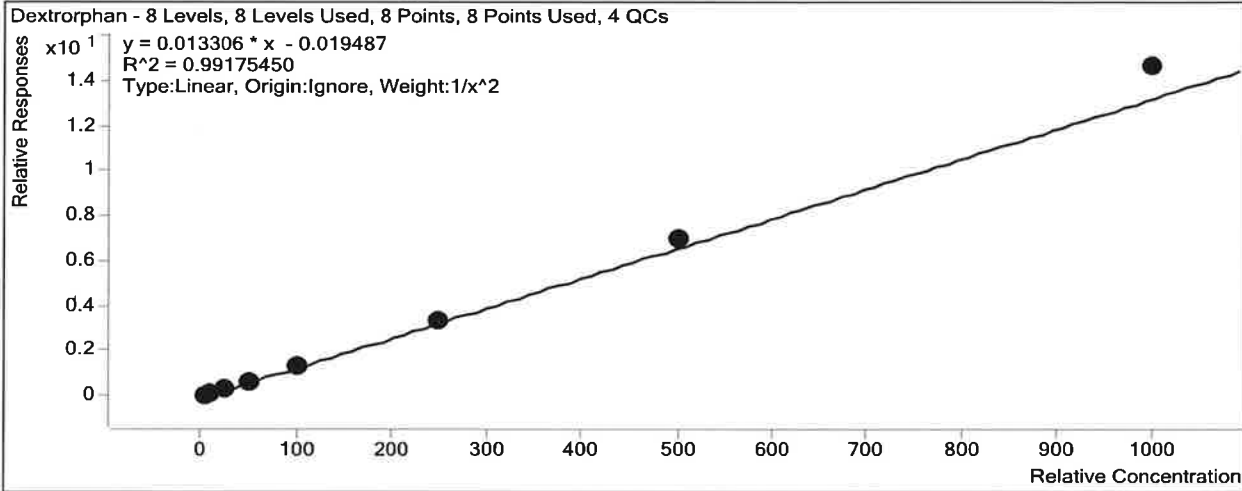
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	0.5	0.6	110.2
a cal 2-10ng	2	<input checked="" type="checkbox"/>	1	0.9	86.9
a QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	1	0.9	93.6
a cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.0	81.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.8	96.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	10	10.4	104.5
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	10	9.4	93.8
a cal 6-250ng	6	<input checked="" type="checkbox"/>	25	25.0	100.0
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	25	26.3	105.2
a cal 7-500ng	7	<input checked="" type="checkbox"/>	50	55.3	110.6
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	109.4	109.4
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	100	107.5	107.5

# ISP Forensics Calibration Curve Report

TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\082818 MDQ P1 TS worklist 2667\QuantResults\P1a MDQ worklist 2667 TS.batch.bin  
**Last Calib Update** 8/31/2018 11:04 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.4	107.6
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.0	89.6
a QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	9.5	95.3
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.3	89.2
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.4	96.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.5	98.5
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	97.9	97.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	256.0	102.4
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	244.6	97.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	528.1	105.6
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1102.3	110.2
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1071.7	107.2

# ISP Forensics Calibration Curve Report

TS

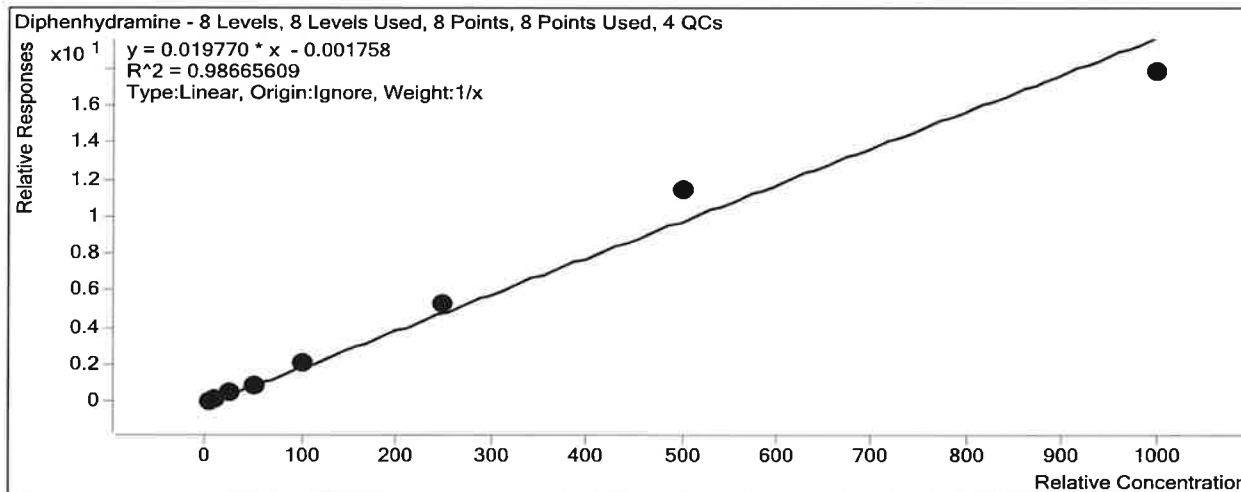
**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\082818 MDQ P1 TS worklist 2667\QuantResults\P1a

**Last Calib Update** 8/31/2018 11:04 AM

**Analyst Name** ISP TOX

**Target Compound** *Diphenhydramine*

**Internal Standard** *Diphenhydramine-D3*



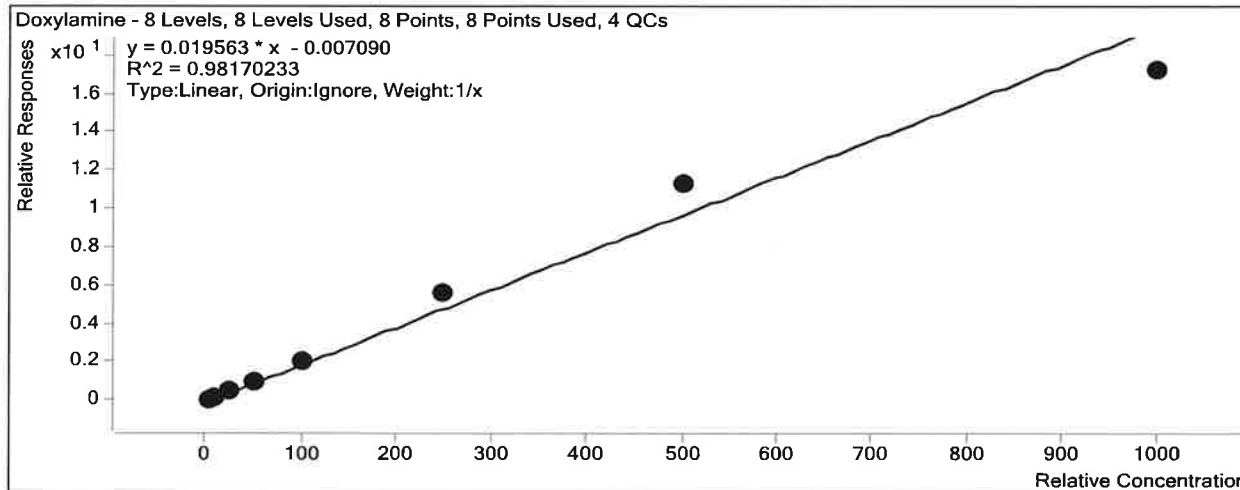
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.3	86.3
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	96.1
a QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	8.7	86.8
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.5	102.1
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.6	95.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	107.6	107.6
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	102.3	102.3
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	267.8	107.1
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	259.4	103.7
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	577.2	115.4
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	900.3	90.0
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1056.6	105.7

# ISP Forensics Calibration Curve Report

TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\082818 MDQ P1 TS worklist 2667\QuantResults\P1a MDQ worklist 2667 TS.batch.bin  
**Last Calib Update** 8/31/2018 11:04 AM **Analyst Name** ISP TOX

**Target Compound** Doxylamine  
**Internal Standard** Doxylamine-D5



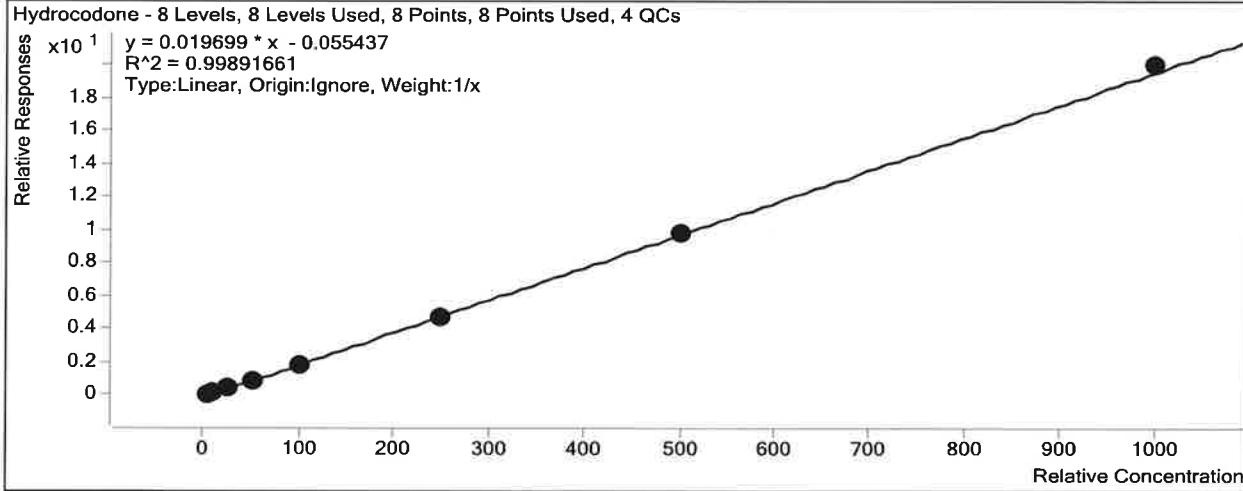
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.3	86.8
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.0	90.2
a QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	9.3	92.9
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.8	95.3
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.8	103.5
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	106.1	106.1
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	102.6	102.6
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	285.2	114.1
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	254.6	101.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	580.2	116.0
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	879.6	88.0
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	809.4	80.9

# ISP Forensics Calibration Curve Report

15

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\082818 MDQ P1 TS worklist 2667\QuantResults\P1a MDQ worklist 2667 TS.batch.bin  
**Last Calib Update** 8/31/2018 11:04 AM **Analyst Name** ISP TOX

**Target Compound** Hydrocodone  
**Internal Standard** Hydrocodone-D6



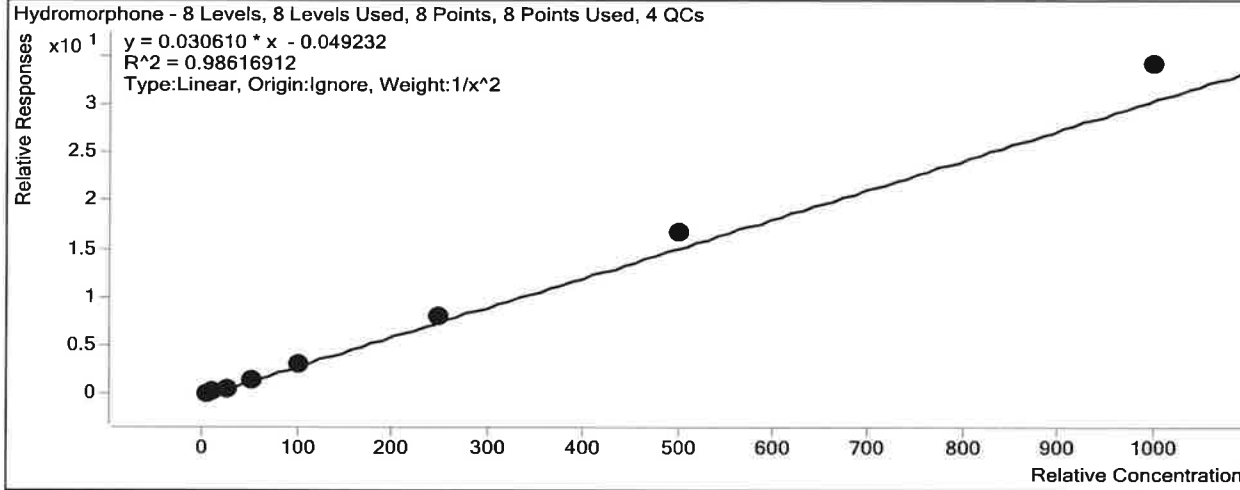
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	6.3	125.2
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	101.2
a QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	10.0	99.6
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.7	90.7
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	44.1	88.2
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	95.6	95.6
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	90.5	90.5
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	242.5	97.0
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	238.5	95.4
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	502.8	100.6
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1016.0	101.6
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	983.8	98.4

# ISP Forensics Calibration Curve Report

TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\082818 MDQ P1 TS worklist 2667\QuantResults\P1a MDQ worklist 2667 TS.batch.bin  
**Last Calib Update** 8/31/2018 11:04 AM **Analyst Name** ISP TOX

**Target Compound** Hydromorphone  
**Internal Standard** Hydromorphone-D6



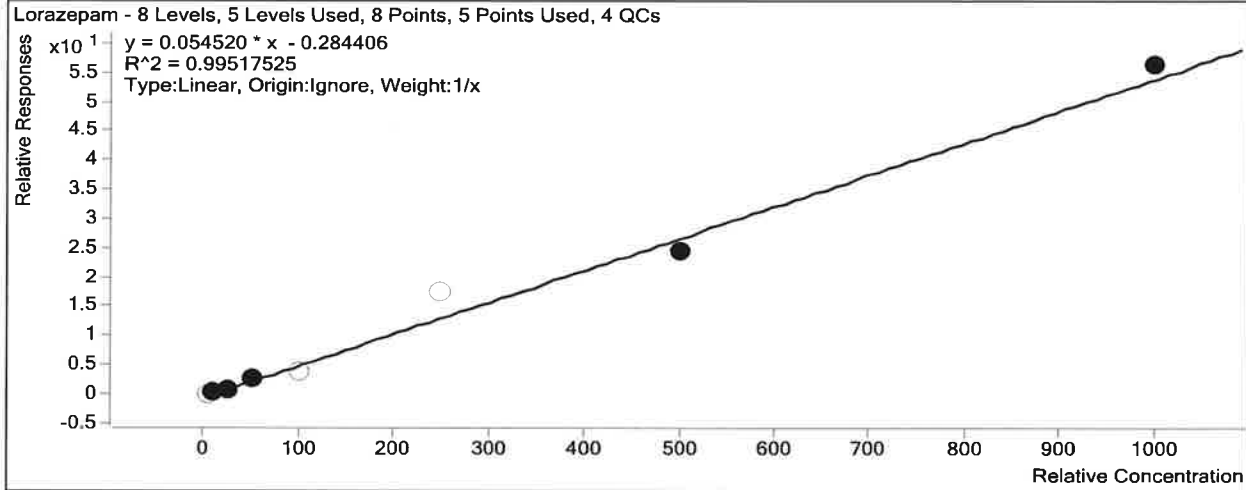
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.4	108.1
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.2	91.5
a QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	9.0	89.9
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	21.0	84.0
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	45.5	91.0
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.8	98.8
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	92.8	92.8
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	261.6	104.6
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	252.9	101.1
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	551.2	110.2
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1116.8	111.7
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1105.9	110.6

# ISP Forensics Calibration Curve Report

TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\082818 MDQ P1 TS worklist 2667\QuantResults\P1a MDQ worklist 2667 TS.batch.bin  
**Last Calib Update** 8/31/2018 11:04 AM **Analyst Name** ISP TOX

**Target Compound** Lorazepam  
**Internal Standard** Clonazepam-D4



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input type="checkbox"/>	5	8.2	164.8
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	101.4
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	11.3	112.6
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	21.8	87.1
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	58.2	116.4
a cal 5-100ng	5	<input type="checkbox"/>	100	73.8	73.8
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	80.7	80.7
a cal 6-250ng	6	<input type="checkbox"/>	250	323.3	129.3
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	231.5	92.6
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	456.8	91.4
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1038.1	103.8
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	969.0	96.9

\* Compound not evaluated. - TS

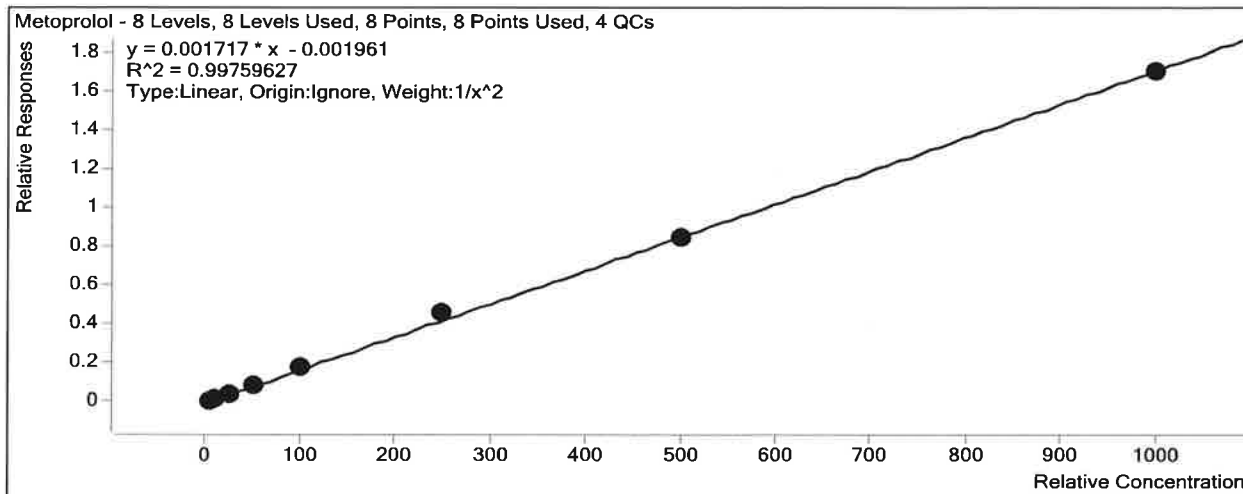


# ISP Forensics Calibration Curve Report

15

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\082818 MDQ P1 TS worklist 2667\QuantResults\P1a MDQ worklist 2667 TS.batch.bin  
**Last Calib Update** 8/31/2018 11:04 AM **Analyst Name** ISP TOX

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



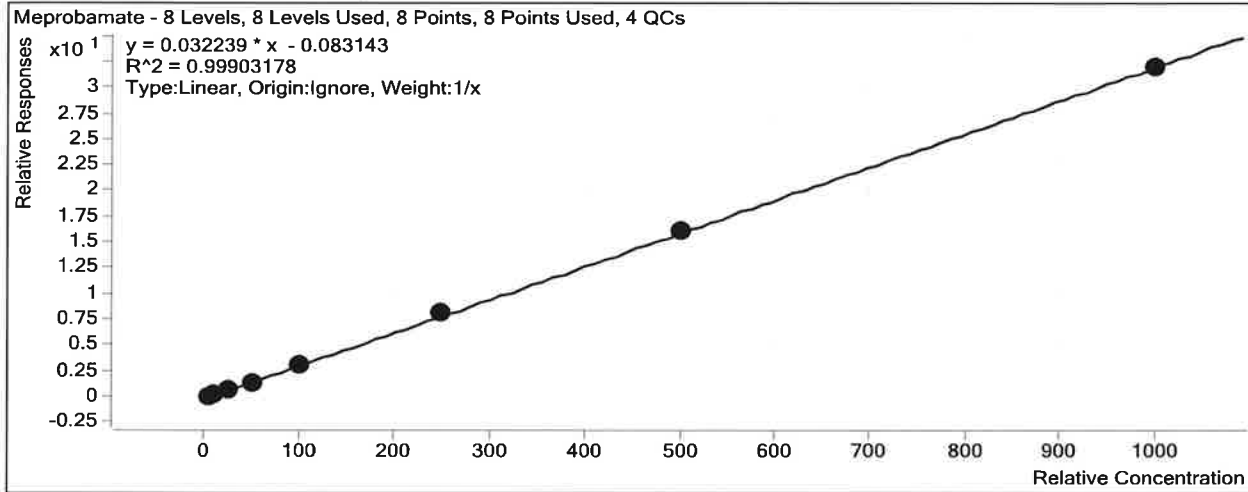
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	101.4
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	98.9
a QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	9.2	92.5
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.4	97.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.9	93.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.8	101.8
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	94.9	94.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	271.5	108.6
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	258.7	103.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	493.9	98.8
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	990.6	99.1
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1019.9	102.0

# ISP Forensics Calibration Curve Report

TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\082818 MDQ P1 TS worklist 2667\QuantResults\P1a MDQ worklist 2667 TS.batch.bin  
**Last Calib Update** 8/31/2018 11:04 AM **Analyst Name** ISP TOX

**Target Compound** Meprobamate  
**Internal Standard** Meprobamate-D7



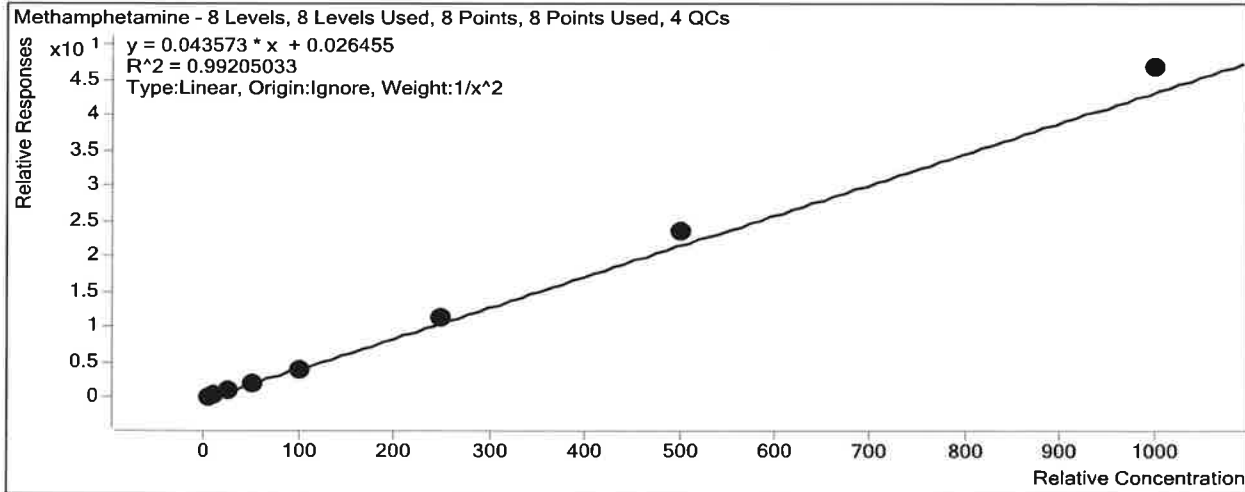
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.9	118.3
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.3	102.8
a QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	10.8	108.4
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	21.4	85.7
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	44.7	89.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.6	99.6
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	105.7	105.7
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	259.5	103.8
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	272.5	109.0
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	505.2	101.0
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	993.4	99.3
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1075.1	107.5

# ISP Forensics Calibration Curve Report

TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\082818 MDQ P1 TS worklist 2667\QuantResults\P1a MDQ worklist 2667 TS.batch.bin  
**Last Calib Update** 8/31/2018 11:04 AM **Analyst Name** ISP TOX

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



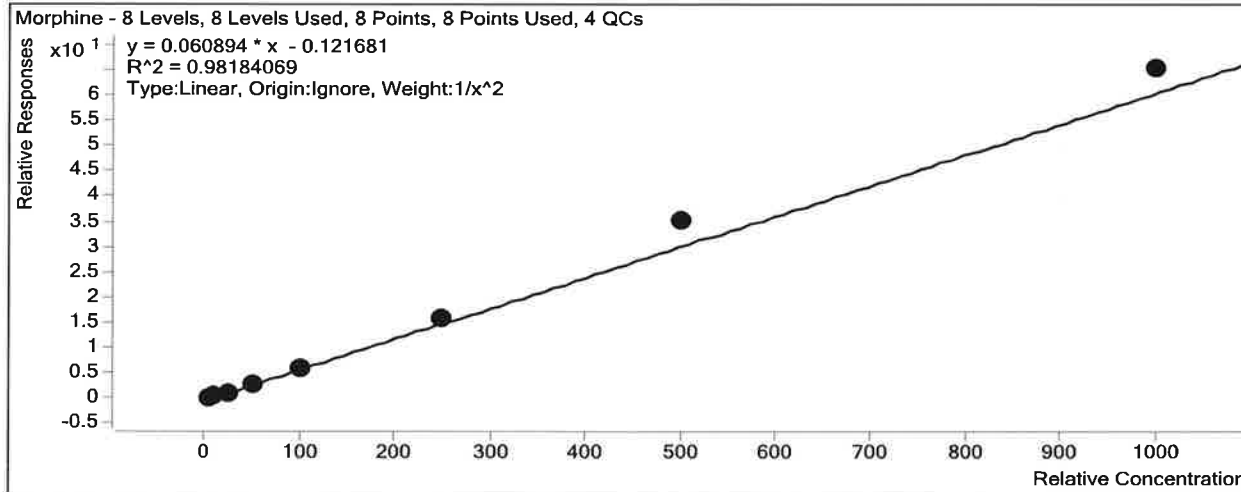
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.3	106.4
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.2	92.4
a QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	7.3	72.7
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.1	88.5
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.7	97.4
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	94.6	94.6
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	95.8	95.8
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	261.6	104.6
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	241.5	96.6
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	544.7	108.9
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1071.9	107.2
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1067.1	106.7

# ISP Forensics Calibration Curve Report

TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\082818 MDQ P1 TS worklist 2667\QuantResults\P1a MDQ worklist 2667 TS.batch.bin  
**Last Calib Update** 8/31/2018 11:04 AM **Analyst Name** ISP TOX

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



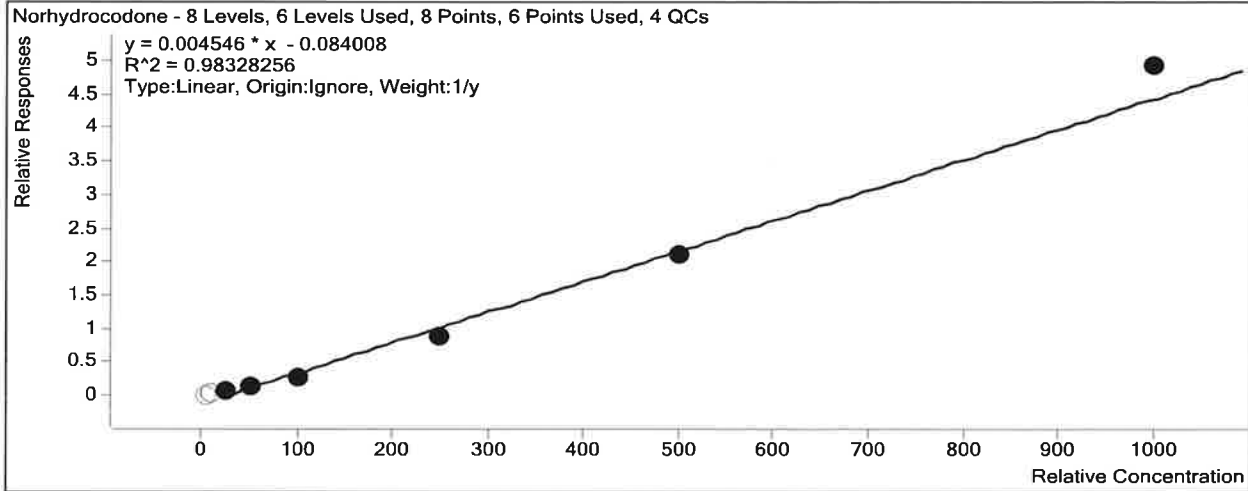
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.5	109.9
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	8.8	88.5
a QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	9.3	92.7
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	20.2	80.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.1	96.1
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	96.2	96.2
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	88.9	88.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	260.8	104.3
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	232.8	93.1
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	583.2	116.6
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1074.3	107.4
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1078.9	107.9

# ISP Forensics Calibration Curve Report

TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\082818 MDQ P1 TS worklist 2667\QuantResults\P1a MDQ worklist 2667 TS.batch.bin  
**Last Calib Update** 8/31/2018 11:04 AM **Analyst Name** ISP TOX

**Target Compound** Norhydrocodone  
**Internal Standard** Norhydrocodone-D3



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input type="checkbox"/>	5	22.2	443.3
a cal 2-10ng	2	<input type="checkbox"/>	10	24.6	246.4
a QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	24.4	243.8
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	30.9	123.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.1	98.1
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	82.0	82.0
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	88.2	88.2
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	210.2	84.1
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	204.1	81.6
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	479.1	95.8
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1100.1	110.0
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1155.0	115.5

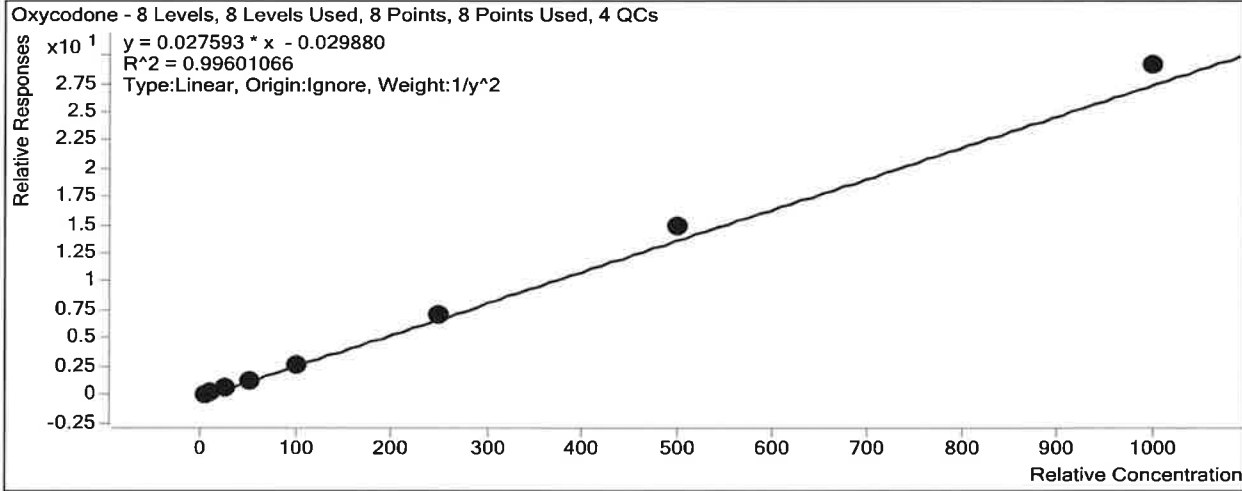
\* Compound not evaluated. - TS

# ISP Forensics Calibration Curve Report

TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\082818 MDQ P1 TS worklist 2667\QuantResults\P1a MDQ worklist 2667 TS.batch.bin  
**Last Calib Update** 8/31/2018 11:04 AM **Analyst Name** ISP TOX

**Target Compound** Oxycodone  
**Internal Standard** Oxycodone-D6



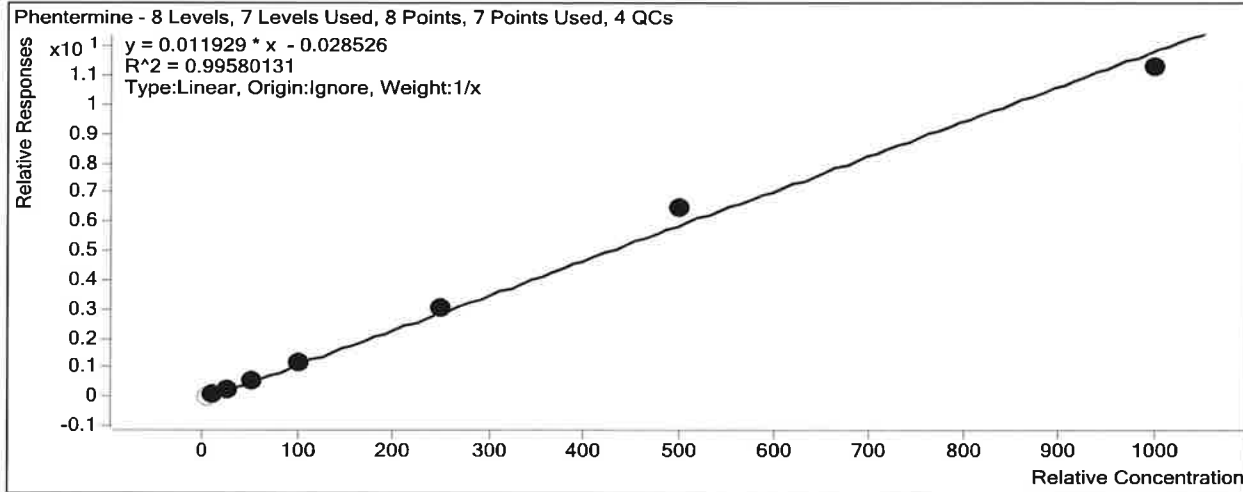
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	103.3
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	95.9
a QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	9.6	96.2
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.0	91.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.4	98.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.6	98.6
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	99.9	99.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	255.5	102.2
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	264.5	105.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	538.9	107.8
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1057.1	105.7
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1057.2	105.7

# ISP Forensics Calibration Curve Report

TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\082818 MDQ P1 TS worklist 2667\QuantResults\P1a MDQ worklist 2667 TS.batch.bin  
**Last Calib Update** 8/31/2018 11:04 AM **Analyst Name** ISP TOX

**Target Compound** Phentermine  
**Internal Standard** Phentermine-D5



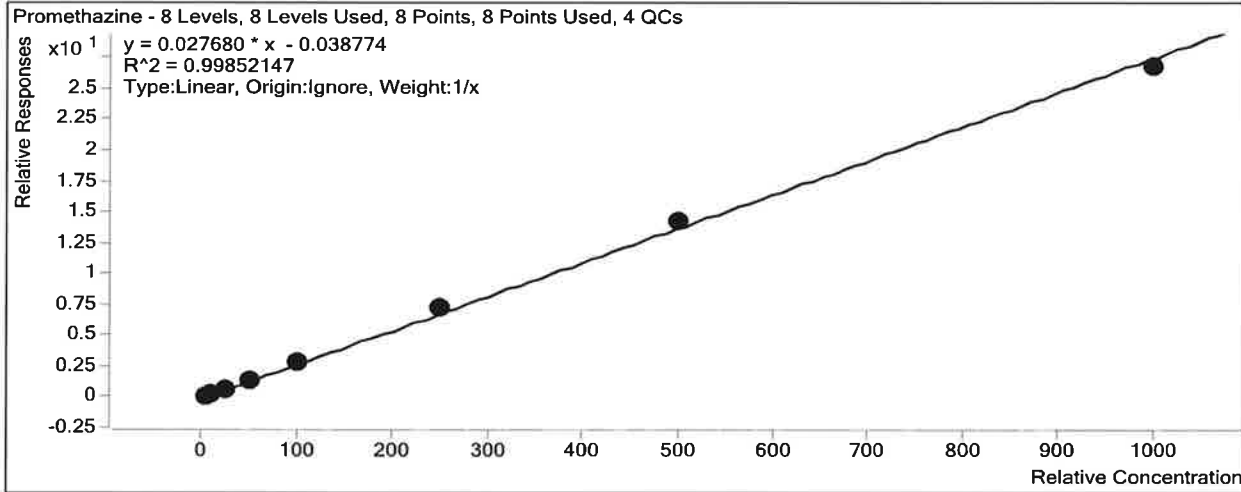
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input type="checkbox"/>	5	7.0	140.0
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	99.6
a QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	9.7	97.3
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.8	91.1
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.7	99.5
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.3	103.3
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	100.1	100.1
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	257.3	102.9
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	243.7	97.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	543.6	108.7
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	948.3	94.8
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	968.5	96.9

# ISP Forensics Calibration Curve Report

TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\082818 MDQ P1 TS worklist 2667\QuantResults\P1a MDQ worklist 2667 TS.batch.bin  
**Last Calib Update** 8/31/2018 11:04 AM **Analyst Name** ISP TOX

**Target Compound** Promethazine  
**Internal Standard** Promethazine-D3



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	101.8
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.4	94.1
a QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	9.6	96.1
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.7	94.7
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.3	98.5
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	105.6	105.6
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	99.5	99.5
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	263.2	105.3
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	261.3	104.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	515.4	103.1
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	968.3	96.8
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1135.6	113.6

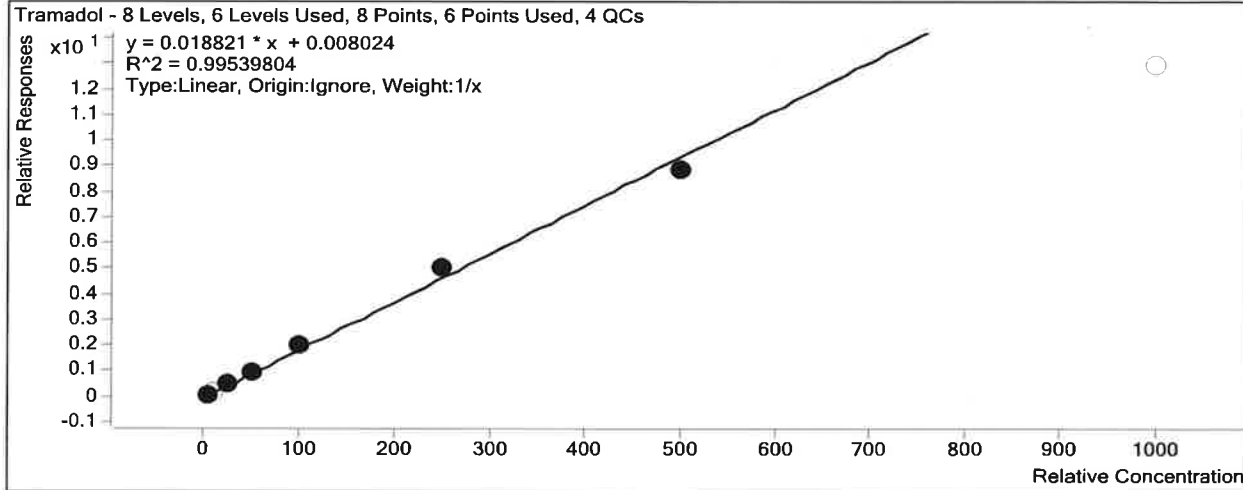


# ISP Forensics Calibration Curve Report

13

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\082818 MDQ P1 TS worklist 2667\QuantResults\P1a MDQ worklist 2667 TS.batch.bin  
**Last Calib Update** 8/31/2018 11:04 AM **Analyst Name** ISP TOX

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



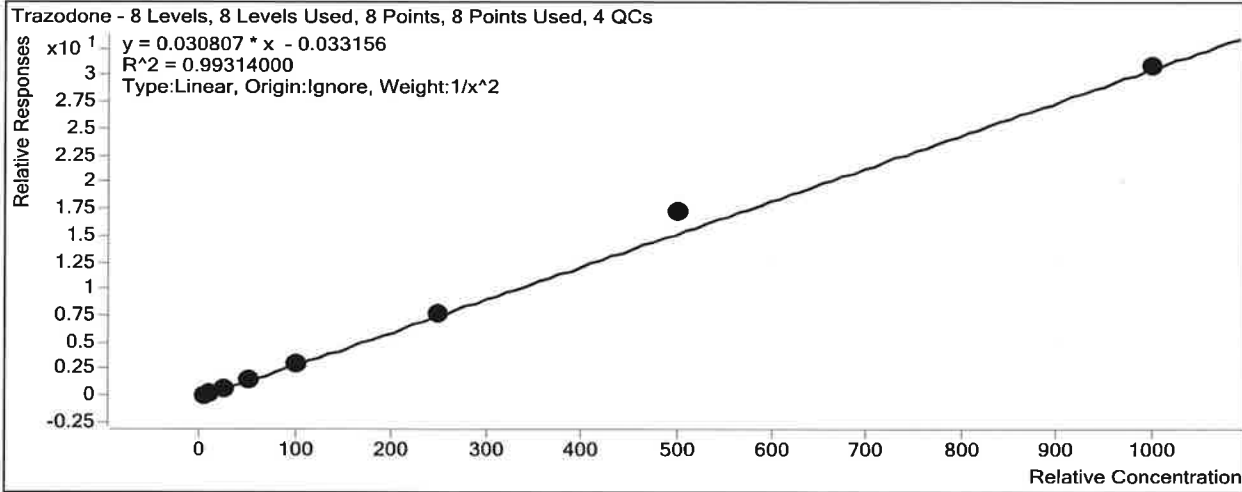
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.3	86.6
a cal 2-10ng	2	<input type="checkbox"/>	10	9.1	90.9
a QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	9.4	94.3
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.9	99.5
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.9	103.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	108.4	108.4
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	105.1	105.1
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	268.1	107.2
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	260.4	104.2
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	472.4	94.5
a cal 8-1000ng	8	<input type="checkbox"/>	1000	685.4	68.5
a QC 1000 (QC 4)	8	<input type="checkbox"/>	1000	613.0	61.3

TS

# ISP Forensics Calibration Curve Report

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\082818 MDQ P1 TS worklist 2667\QuantResults\P1a MDQ worklist 2667 TS.batch.bin  
**Last Calib Update** 8/31/2018 11:04 AM **Analyst Name** ISP TOX

**Target Compound** Trazodone  
**Internal Standard** Trazodone-D6



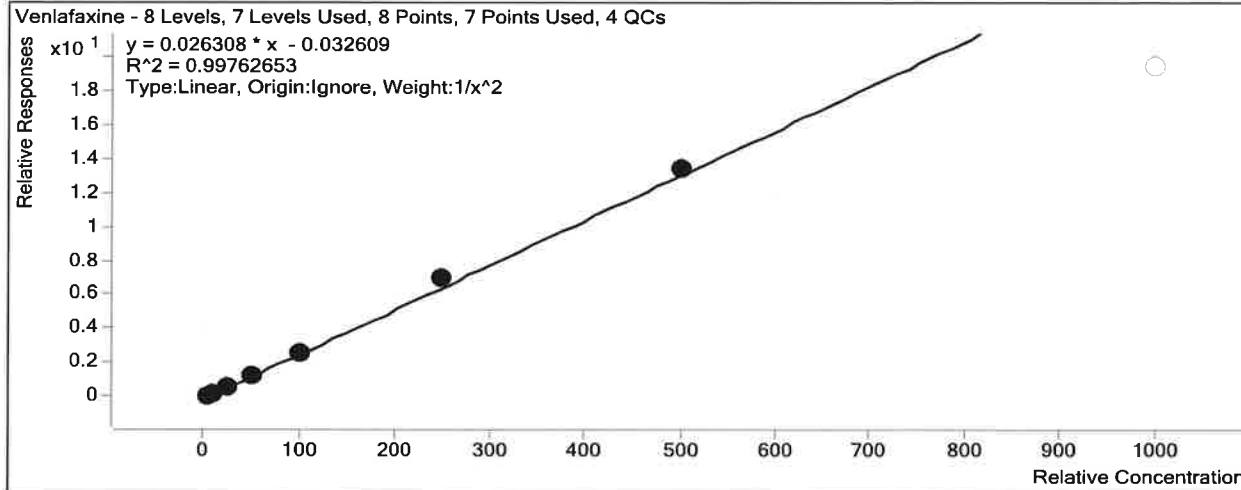
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.3	106.6
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.0	90.1
a QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	9.5	94.5
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.1	92.5
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.4	96.7
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.1	100.1
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	103.4	103.4
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	253.3	101.3
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	283.2	113.3
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	562.0	112.4
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1002.0	100.2
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1160.5	116.0

# ISP Forensics Calibration Curve Report

TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\082818 MDQ P1 TS worklist 2667\QuantResults\P1a MDQ worklist 2667 TS.batch.bin  
**Last Calib Update** 8/31/2018 11:04 AM **Analyst Name** ISP TOX

**Target Compound** Venlafaxine  
**Internal Standard** Venlafaxine-D6



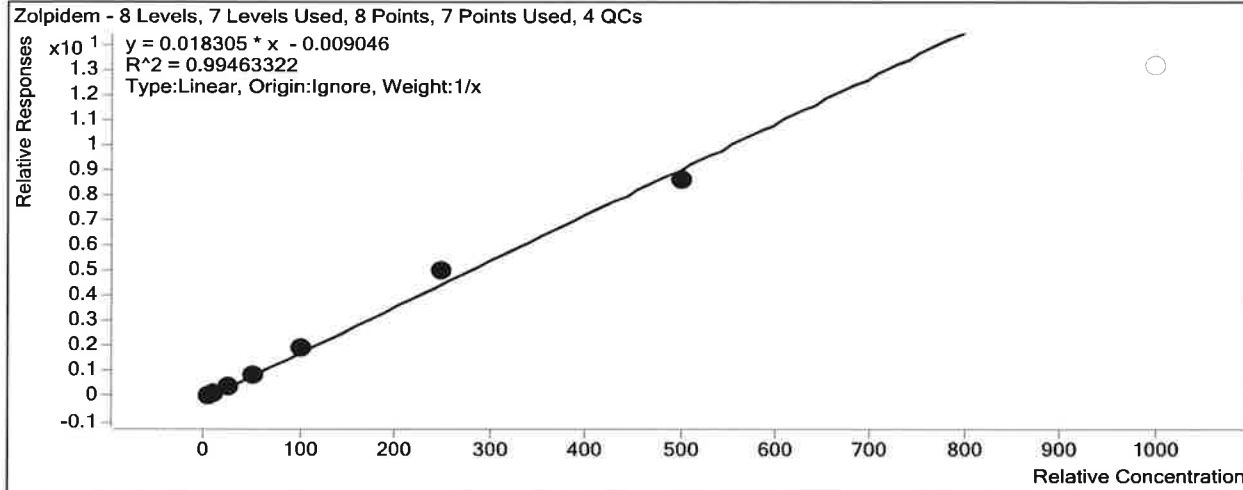
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	103.4
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.5	95.1
a QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	10.0	99.5
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.9	95.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.1	98.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.3	99.3
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	98.1	98.1
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	265.7	106.3
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	245.4	98.2
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	510.5	102.1
a cal 8-1000ng	8	<input type="checkbox"/>	1000	738.1	73.8
a QC 1000 (QC 4)	8	<input type="checkbox"/>	1000	717.0	71.7

# ISP Forensics Calibration Curve Report

TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\082818 MDQ P1 TS worklist 2667\QuantResults\P1a MDQ worklist 2667 TS.batch.bin  
**Last Calib Update** 8/31/2018 11:04 AM **Analyst Name** ISP TOX

**Target Compound** Zolpidem  
**Internal Standard** Zolpidem-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.2
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	98.1
a QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	9.7	97.4
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.8	95.3
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.5	96.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	104.8	104.8
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	101.0	101.0
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	275.3	110.1
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	254.8	101.9
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	472.8	94.6
a cal 8-1000ng	8	<input type="checkbox"/>	1000	718.0	71.8
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	689.5	68.9

TS

# ISP FORENSICS - Pocatello Instrument # 59740

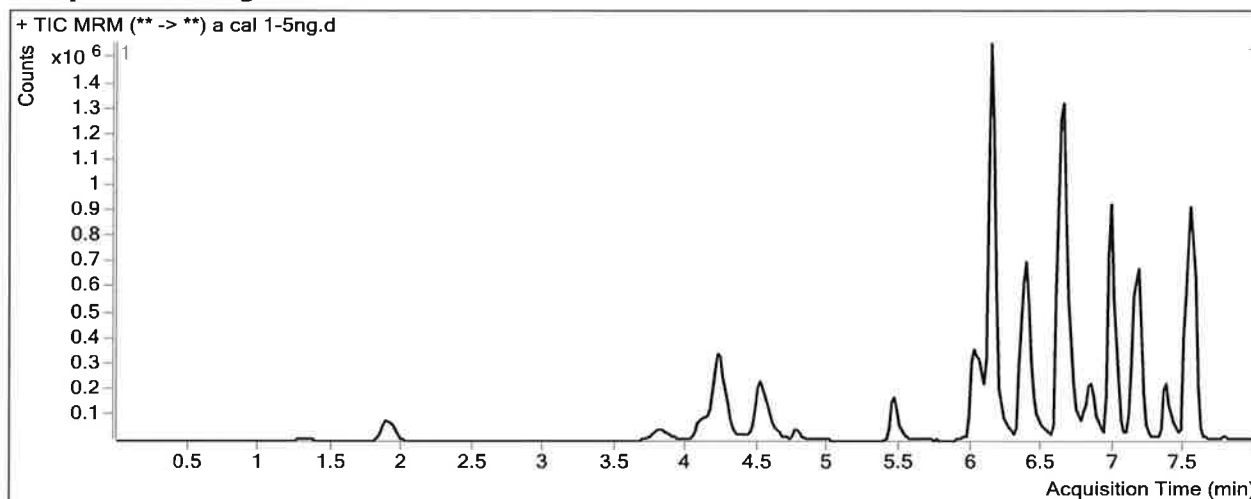
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\082818 MDQ P1 TS worklist 2667\QuantResults\P1a MDQ worklist 2667  
**Analysis Time** 8/31/2018 11:04 AM **Analyst Name** ISPUser  
**Report Time** 8/31/2018 11:10 AM **Reporter Name** ISPUser  
**Last Calib Update** 8/31/2018 11:04 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-08-28 17:01 **Data File** a cal 1-5ng.d  
**Sample Type** Calibration **Sample Name** a cal 1-5ng  
**Dilution** 1 **Acq Method** MD Quant Panel 1a 7-11-18\_volume test.m  
**Position** P1-A1 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28 worklist 2667

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.308	12333	57951	0.2128	5.4930
Hydromorphone	Hydromorphone-D6	1.909	45444	390816	0.1163	5.4071
Codeine	Codeine-D6	3.852	18982	185485	0.1023	5.1572
Oxycodone	Oxycodone-D6	4.229	170263	1510966	0.1127	5.1667
Amphetamine	Amphetamine-D11	4.263	493172	373598	1.3201	10.2673
Hydrocodone	Hydrocodone-D6	4.554	50627	745917	0.0679	6.2597
Norhydrocodone	Norhydrocodone-D3	4.597	3079	183789	0.0168	22.1633
Methamphetamine	Methamphetamine-D11	4.641	102628	397233	0.2584	5.3222
6-MAM	6-MAM-D6	4.769	2074	152100	0.0136	0.5300
Phentermine	Phentermine-D5	5.506	39392	716693	0.0550	6.9986
Dextroprphan	Dextroprphan-D3	6.023	59287	1137635	0.0521	5.3810
7-aminoclonazepam	7-Aminoclonazepam-D4	6.074	86125	765073	0.1126	6.2978
Tramadol	Tramadol-13C-D3	6.160	484983	5417732	0.0895	4.3300
Metoprolol	Tramadol-13C-D3	6.261	36533	5417732	0.0067	5.0696
Doxylamine	Doxylamine-D5	6.403	227673	2926415	0.0778	4.3392
Zolpidem	Zolpidem-D6	6.657	427622	5174817	0.0826	5.0085
Bupropion	Bupropion-D9	6.711	82419	586418	0.1405	6.3459
Meprobamate	Meprobamate-D7	6.833	33442	310830	0.1076	5.9162
Trazodone	Trazodone-D6	6.855	69644	531352	0.1311	5.3307
Venlafaxine	Venlafaxine-D6	6.986	289091	2796245	0.1034	5.1693

TS

a cal 1-5ng

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

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.118	59187	703533	0.0841	5.2754
Dextromethorphan	Dextromethorphan-D3	7.171	23082	188626	0.1224	0.5508
Diphenhydramine	Diphenhydramine-D3	7.174	132106	1581163	0.0835	4.3149
Promethazine	Promethazine-D3	7.369	65292	639151	0.1022	5.0913
Clonazepam	Clonazepam-D4	7.425	42260	70412	0.6002	6.3025
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.501	15055	135396	0.1112	5.3976
Carisoprodol	Carisoprodol-D7	7.514	123360	1312801	0.0940	5.1984
Lorazepam	Clonazepam-D4	7.543	11616	70412	0.1650	8.2424
Alprazolam	Alprazolam-D5	7.548	284694	2076007	0.1371	4.9248

Wrong concentration entered in the instrument for dextromethorphan. The actual concentration is a factor of 10 higher.

TS

# ISP FORENSICS - Pocatello Instrument # 59740

## Multi-Drug Confirmatory Analysis Report

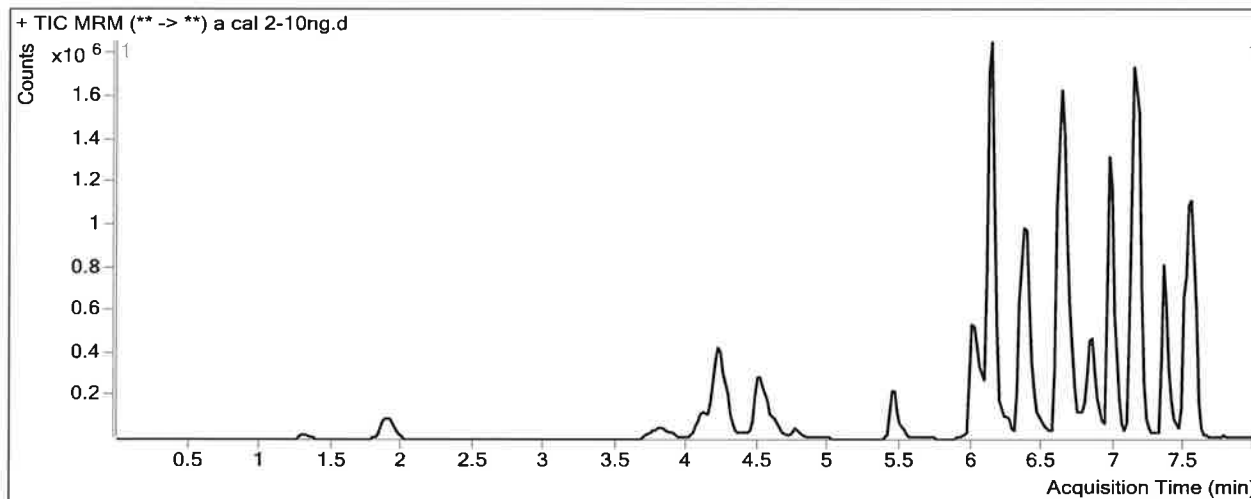
TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\082818 MDQ P1 TS worklist 2667\QuantResults\P1a MDQ worklist 2667  
**Analysis Time** 8/31/2018 11:04 AM **Analyst Name** ISPUser  
**Report Time** 8/31/2018 11:10 AM **Reporter Name** ISPUser  
**Last Calib Update** 8/31/2018 11:04 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-08-28 17:33 **Data File** a cal 2-10ng.d  
**Sample Type** Calibration **Sample Name** a cal 2-10ng  
**Dilution** 1 **Acq Method** MD Quant Panel 1a 7-11-18\_volume test.m  
**Position** P1-B1 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28 worklist 2667

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.328	29322	70279	0.4172	8.8498
Hydromorphone	Hydromorphone-D6	1.909	97896	423845	0.2310	9.1540
Codeine	Codeine-D6	3.872	47606	202753	0.2348	10.2829
Oxycodone	Oxycodone-D6	4.249	374272	1593920	0.2348	9.5927
Amphetamine	Amphetamine-D11	4.243	753342	484322	1.5555	13.4142
Hydrocodone	Hydrocodone-D6	4.534	122167	849402	0.1438	10.1156
Norhydrocodone	Norhydrocodone-D3	4.577	5879	209759	0.0280	24.6433
Methamphetamine	Methamphetamine-D11	4.621	237936	554797	0.4289	9.2355
6-MAM	6-MAM-D6	4.809	4156	167597	0.0248	0.9684
Phentermine	Phentermine-D5	5.506	87092	964251	0.0903	9.9625
Dextrorphan	Dextrorphan-D3	6.003	150495	1509854	0.0997	8.9552
7-aminoclonazepam	7-Aminoclonazepam-D4	6.074	186303	868335	0.2146	9.6278
Tramadol	Tramadol-13C-D3	6.140	1126770	6290361	0.1791	9.0912
Metoprolol	Tramadol-13C-D3	6.241	94510	6290361	0.0150	9.8929
Doxylamine	Doxylamine-D5	6.381	636011	3754985	0.1694	9.0203
Zolpidem	Zolpidem-D6	6.637	934785	5480848	0.1706	9.8115
Bupropion	Bupropion-D9	6.711	216326	750088	0.2884	10.5108
Meprobamate	Meprobamate-D7	6.833	86926	350042	0.2483	10.2817
Trazodone	Trazodone-D6	6.855	286702	1172870	0.2444	9.0109
Venlafaxine	Venlafaxine-D6	6.966	799478	3673122	0.2177	9.5128

**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	7.118	293812	1600009	0.1836	9.5170
Dextromethorphan	Dextromethorphan-D3	7.150	105131	492362	0.2135	0.8690
Diphenhydramine	Diphenhydramine-D3	7.174	632091	3357410	0.1883	9.6116
Promethazine	Promethazine-D3	7.349	447993	2019512	0.2218	9.4150
Clonazepam	Clonazepam-D4	7.405	90348	88152	1.0249	9.1962
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.481	29980	138683	0.2162	9.3406
Carisoprodol	Carisoprodol-D7	7.514	278499	1398088	0.1992	9.3740
Lorazepam	Clonazepam-D4	7.543	23647	88152	0.2683	10.1370
Alprazolam	Alprazolam-D5	7.548	638737	2199370	0.2904	9.6044

Wrong concentration entered in the instrument for dextromethorphan. The actual concentration is a factor of 10 higher.

TS



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# ISP FORENSICS - Pocatello Instrument # 59740

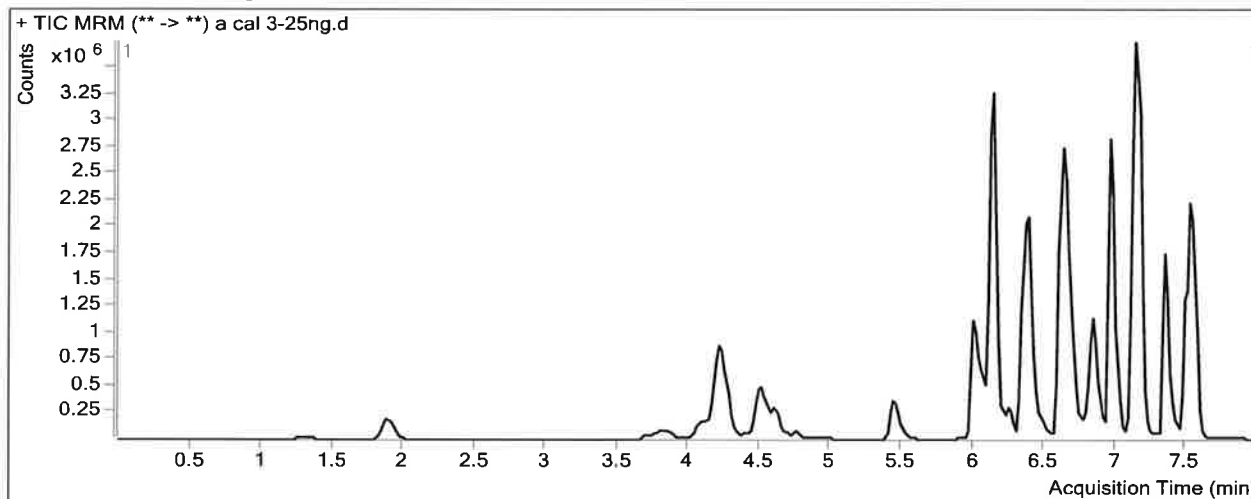
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\082818 MDQ P1 TS worklist 2667\QuantResults\P1a MDQ worklist 2667  
**Analysis Time** 8/31/2018 11:04 AM **Analyst Name** ISPUser  
**Report Time** 8/31/2018 11:10 AM **Reporter Name** ISPUser  
**Last Calib Update** 8/31/2018 11:04 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-08-28 18:04 **Data File** a cal 3-25ng.d  
**Sample Type** Calibration **Sample Name** a cal 3-25ng  
**Dilution** 1 **Acq Method** MD Quant Panel 1a 7-11-18\_volume test.m  
**Position** P1-C1 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28 worklist 2667

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.308	89277	80462	1.1096	20.2195
Hydromorphone	Hydromorphone-D6	1.909	296821	500249	0.5933	20.9924
Codeine	Codeine-D6	3.852	125212	247979	0.5049	20.7359
Oxycodone	Oxycodone-D6	4.229	1258606	2083932	0.6040	22.9710
Amphetamine	Amphetamine-D11	4.243	1795890	771306	2.3284	23.7467
Hydrocodone	Hydrocodone-D6	4.534	429056	1096705	0.3912	22.6745
Norhydrocodone	Norhydrocodone-D3	4.597	15755	279160	0.0564	30.8917
Methamphetamine	Methamphetamine-D11	4.621	923673	932885	0.9901	22.1165
6-MAM	6-MAM-D6	4.769	11669	218128	0.0535	2.0952
Phentermine	Phentermine-D5	5.485	370950	1525102	0.2432	22.7803
Dextroprphan	Dextroprphan-D3	6.003	655016	2363194	0.2772	22.2946
7-aminoclonazepam	7-Aminoclonazepam-D4	6.054	642110	1089110	0.5896	21.8734
Tramadol	Tramadol-13C-D3	6.140	4148835	8716508	0.4760	24.8636
Metoprolol	Tramadol-13C-D3	6.241	347969	8716508	0.0399	24.3934
Doxylamine	Doxylamine-D5	6.381	2492725	5432718	0.4588	23.8161
Zolpidem	Zolpidem-D6	6.637	3163949	7404799	0.4273	23.8363
Bupropion	Bupropion-D9	6.711	819274	1174707	0.6974	22.0326
Meprobamate	Meprobamate-D7	6.833	271615	446802	0.6079	21.4353
Trazodone	Trazodone-D6	6.855	1214572	1787882	0.6793	23.1275
Venlafaxine	Venlafaxine-D6	6.966	3261905	5473573	0.5959	23.8914

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

TS

a cal 3-25ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.118	1213301	2618941	0.4633	21.4378
Dextromethorphan	Dextromethorphan-D3	7.150	432802	788588	0.5488	2.0392
Diphenhydramine	Diphenhydramine-D3	7.174	2676873	5321082	0.5031	25.5344
Promethazine	Promethazine-D3	7.349	1992627	3232894	0.6164	23.6681
Clonazepam	Clonazepam-D4	7.405	332216	116893	2.8420	21.5767
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.481	94838	189145	0.5014	20.0532
Carisoprodol	Carisoprodol-D7	7.494	971361	1689102	0.5751	24.2884
Lorazepam	Clonazepam-D4	7.523	105463	116893	0.9022	21.7650
Alprazolam	Alprazolam-D5	7.548	2105579	2897923	0.7266	22.9199

Wrong concentration entered in the instrument for dextromethorphan. The actual concentration is a factor of 10 higher.

TS

TS

# ISP FORENSICS - Pocatello Instrument # 59740

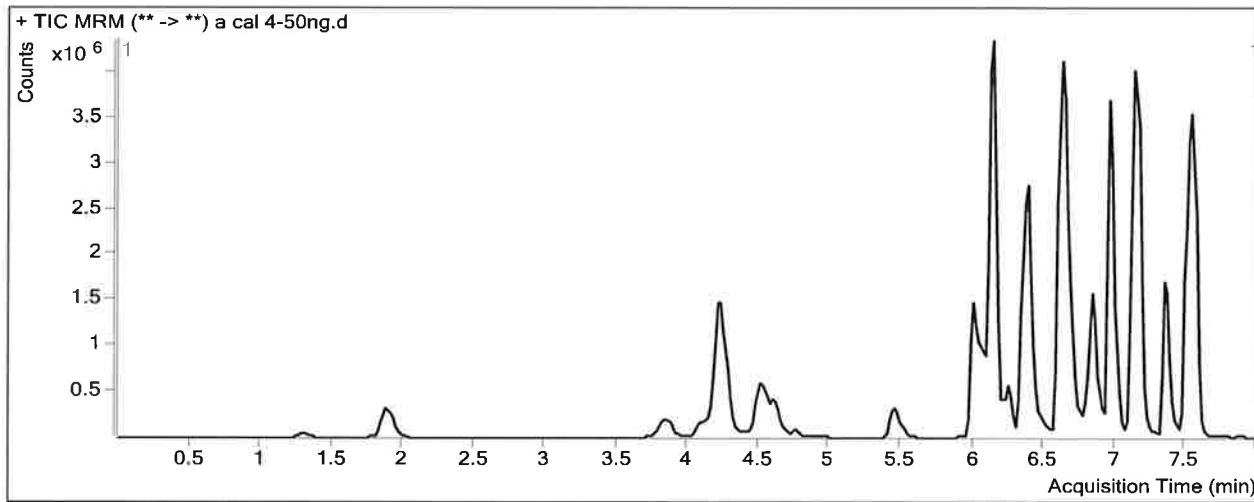
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\082818 MDQ P1 TS worklist 2667\QuantResults\P1a MDQ worklist 2667  
**Analysis Time** 8/31/2018 11:04 AM **Analyst Name** ISPUser  
**Report Time** 8/31/2018 11:10 AM **Reporter Name** ISPUser  
**Last Calib Update** 8/31/2018 11:04 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-08-28 18:35 **Data File** a cal 4-50ng.d  
**Sample Type** Calibration **Sample Name** a cal 4-50ng  
**Dilution** 1 **Acq Method** MD Quant Panel 1a 7-11-18\_volume test.m  
**Position** P1-D1 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28 worklist 2667

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.308	192777	68718	2.8053	48.0674
Hydromorphone	Hydromorphone-D6	1.909	681519	507140	1.3438	45.5105
Codeine	Codeine-D6	3.852	287275	258757	1.1102	44.1577
Oxycodone	Oxycodone-D6	4.229	2965699	2224948	1.3329	49.3897
Amphetamine	Amphetamine-D11	4.243	2812844	629129	4.4710	52.3900
Hydrocodone	Hydrocodone-D6	4.534	919056	1129790	0.8135	44.1099
Norhydrocodone	Norhydrocodone-D3	4.597	40782	293389	0.1390	49.0529
Methamphetamine	Methamphetamine-D11	4.621	1360631	633506	2.1478	48.6849
6-MAM	6-MAM-D6	4.769	25387	229352	0.1107	4.3410
Phentermine	Phentermine-D5	5.485	647309	1145756	0.5650	49.7499
Dextrorphan	Dextrorphan-D3	6.003	1285758	2057030	0.6251	48.4386
7-aminoclonazepam	7-Aminoclonazepam-D4	6.054	1526963	1135643	1.3446	46.5266
Tramadol	Tramadol-13C-D3	6.140	8618738	8748472	0.9852	51.9186
Metoprolol	Tramadol-13C-D3	6.241	687478	8748472	0.0786	46.9115
Doxylamine	Doxylamine-D5	6.381	4246306	4222015	1.0058	51.7721
Zolpidem	Zolpidem-D6	6.637	6874114	7830232	0.8779	48.4528
Bupropion	Bupropion-D9	6.711	1176231	825442	1.4250	42.5265
Meprobamate	Meprobamate-D7	6.833	658293	485253	1.3566	44.6584
Trazodone	Trazodone-D6	6.835	2035982	1397790	1.4566	48.3567
Venlafaxine	Venlafaxine-D6	6.966	6057811	4807484	1.2601	49.1359

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

TS

a cal 4-50ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.118	1949880	1803040	1.0814	47.7888
Dextromethorphan	Dextromethorphan-D3	7.150	729124	538728	1.3534	4.8473
Diphenhydramine	Diphenhydramine-D3	7.174	3985634	4239354	0.9402	47.6422
Promethazine	Promethazine-D3	7.349	2880646	2174909	1.3245	49.2509
Clonazepam	Clonazepam-D4	7.405	431222	88133	4.8929	35.5492
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.481	245747	207352	1.1852	45.7340
Carisoprodol	Carisoprodol-D7	7.514	2062580	1761750	1.1708	47.9246
Lorazepam	Clonazepam-D4	7.523	254578	88133	2.8886	58.1986
Alprazolam	Alprazolam-D5	7.548	4671893	2902637	1.6095	49.8753

Wrong concentration entered in the instrument for dextromethorphan. The actual concentration is a factor of 10 higher.

TS

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

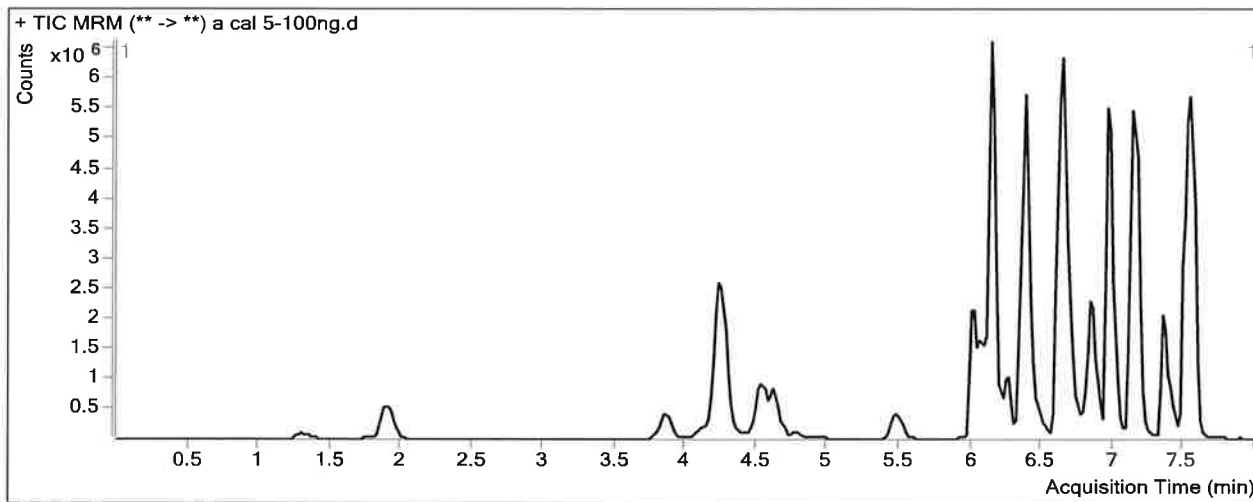
TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\082818 MDQ P1 TS worklist 2667\QuantResults\P1a MDQ worklist 2667  
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**Report Time** 8/31/2018 11:10 AM **Reporter Name** ISPUser  
**Last Calib Update** 8/31/2018 11:04 AM **Batch State** Processed

**Analysis Info**

**Acq Time** 2018-08-28 19:07 **Data File** a cal 5-100ng.d  
**Sample Type** Calibration **Sample Name** a cal 5-100ng  
**Dilution** 1 **Acq Method** MD Quant Panel 1a 7-11-18\_volume test.m  
**Position** P1-E1 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28 worklist 2667

**Sample Chromatogram**



**Results**

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.308	381578	66503	5.7377	96.2229
Hydromorphone	Hydromorphone-D6	1.909	1406745	472915	2.9746	98.7866
Codeine	Codeine-D6	3.852	577705	242338	2.3839	93.4436
Oxycodone	Oxycodone-D6	4.249	5625870	2090425	2.6913	98.6170
Amphetamine	Amphetamine-D11	4.243	5104907	583802	8.7442	109.5155
Hydrocodone	Hydrocodone-D6	4.534	1923460	1052666	1.8272	95.5726
Norhydrocodone	Norhydrocodone-D3	4.597	71331	247006	0.2888	81.9973
Methamphetamine	Methamphetamine-D11	4.621	2803421	675900	4.1477	94.5831
6-MAM	6-MAM-D6	4.769	53764	216314	0.2485	9.7539
Phentermine	Phentermine-D5	5.506	1337802	1111447	1.2037	103.2895
Dextroprphan	Dextroprphan-D3	6.003	2459287	1904417	1.2914	98.5127
7-aminoclonazepam	7-Aminoclonazepam-D4	6.074	3010893	1039666	2.8960	97.1857
Tramadol	Tramadol-13C-D3	6.140	16789689	8197624	2.0481	108.3960
Metoprolol	Tramadol-13C-D3	6.261	1416997	8197624	0.1729	101.8190
Doxylamine	Doxylamine-D5	6.381	9497054	4589383	2.0694	106.1387
Zolpidem	Zolpidem-D6	6.637	13648076	7148866	1.9091	104.7880
Bupropion	Bupropion-D9	6.711	2696318	844647	3.1922	92.3083
Meprobamate	Meprobamate-D7	6.833	1260446	402894	3.1285	99.6193
Trazodone	Trazodone-D6	6.855	3474603	1138749	3.0512	100.1198
Venlafaxine	Venlafaxine-D6	6.966	11754542	4556795	2.5796	99.2903

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

TS

a cal 5-100ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.118	3286613	1419463	2.3154	100.3897
Dextromethorphan	Dextromethorphan-D3	7.150	1199334	405517	2.9575	10.4459
Diphenhydramine	Diphenhydramine-D3	7.174	6882894	3239480	2.1247	107.5568
Promethazine	Promethazine-D3	7.349	4204539	1457169	2.8854	105.6428
Clonazepam	Clonazepam-D4	7.405	1419175	113839	12.4665	87.1495
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.481	464127	179426	2.5867	98.3742
Carisoprodol	Carisoprodol-D7	7.514	4039978	1600127	2.5248	101.6513
Lorazepam	Clonazepam-D4	7.523	425472	113839	3.7375	73.7693
Alprazolam	Alprazolam-D5	7.548	8974924	2615909	3.4309	105.4794

Wrong concentration entered in the instrument for dextromethorphan. The actual concentration is a factor of 10 higher.

TS

TS

# ISP FORENSICS - Pocatello Instrument # 59740

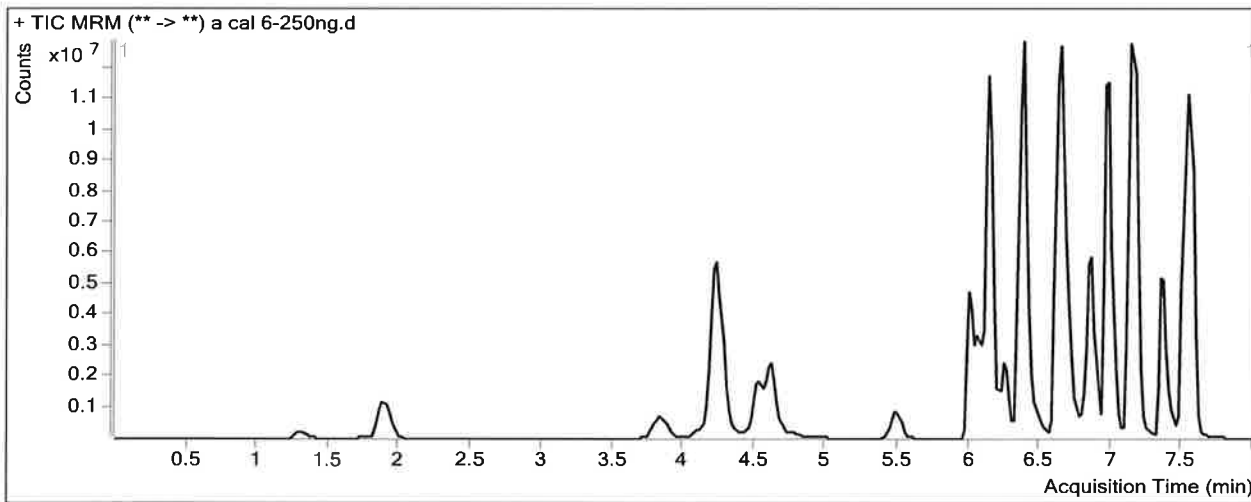
## Multi-Drug Confirmatory Analysis Report

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**Report Time** 8/31/2018 11:10 AM **Reporter Name** ISPUser  
**Last Calib Update** 8/31/2018 11:04 AM **Batch State** Processed

**Analysis Info**

**Acq Time** 2018-08-28 19:38 **Data File** a cal 6-250ng.d  
**Sample Type** Calibration **Sample Name** a cal 6-250ng  
**Dilution** 1 **Acq Method** MD Quant Panel 1a 7-11-18\_volume test.m  
**Position** P1-F1 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28 worklist 2667

**Sample Chromatogram**



**Results**

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.308	939293	59591	15.7622	260.8444
Hydromorphone	Hydromorphone-D6	1.909	3494765	439201	7.9571	261.5593
Codeine	Codeine-D6	3.852	1446307	197593	7.3196	284.4368
Oxycodone	Oxycodone-D6	4.229	13839929	1971377	7.0204	255.5113
Amphetamine	Amphetamine-D11	4.223	12414344	599040	20.7237	269.6602
Hydrocodone	Hydrocodone-D6	4.534	4673906	989897	4.7216	242.5046
Norhydrocodone	Norhydrocodone-D3	4.577	197164	226175	0.8717	210.2205
Methamphetamine	Methamphetamine-D11	4.621	8946842	783034	11.4259	261.6190
6-MAM	6-MAM-D6	4.769	127285	189483	0.6717	26.3707
Phentermine	Phentermine-D5	5.485	3551173	1167923	3.0406	257.2727
Dextrorphan	Dextrorphan-D3	6.003	6303112	1861004	3.3869	255.9999
7-aminoclonazepam	7-Aminoclonazepam-D4	6.074	6857606	911983	7.5194	248.1545
Tramadol	Tramadol-13C-D3	6.140	38233122	7565939	5.0533	268.0712
Metoprolol	Tramadol-13C-D3	6.241	3512559	7565939	0.4643	271.5440
Doxylamine	Doxylamine-D5	6.381	23476491	4213085	5.5723	285.1930
Zolpidem	Zolpidem-D6	6.637	31756069	6313268	5.0301	275.2815
Bupropion	Bupropion-D9	6.711	5961333	679501	8.7731	249.5142
Meprobamate	Meprobamate-D7	6.833	2931981	353993	8.2826	259.4917
Trazodone	Trazodone-D6	6.855	9633496	1239720	7.7707	253.3136
Venlafaxine	Venlafaxine-D6	6.986	30066416	4321953	6.9567	265.6670

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

TS

a cal 6-250ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.118	9603029	1602107	5.9940	257.2014
Dextromethorphan	Dextromethorphan-D3	7.150	3360668	471647	7.1254	24.9921
Diphenhydramine	Diphenhydramine-D3	7.174	19495507	3682892	5.2935	267.8384
Promethazine	Promethazine-D3	7.349	13150043	1814453	7.2474	263.2286
Clonazepam	Clonazepam-D4	7.405	2418799	62323	38.8107	266.6376
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.481	1104371	162306	6.8043	256.7761
Carisoprodol	Carisoprodol-D7	7.514	8638032	1360525	6.3490	253.3948
Lorazepam	Clonazepam-D4	7.523	1080740	62323	17.3410	323.2845
Alprazolam	Alprazolam-D5	7.548	19050745	2165391	8.7978	269.3251

Wrong concentration entered in the instrument for dextromethorphan. The actual concentration is a factor of 10 higher.

TS



# ISP FORENSICS - Pocatello Instrument # 59740

## Multi-Drug Confirmatory Analysis Report

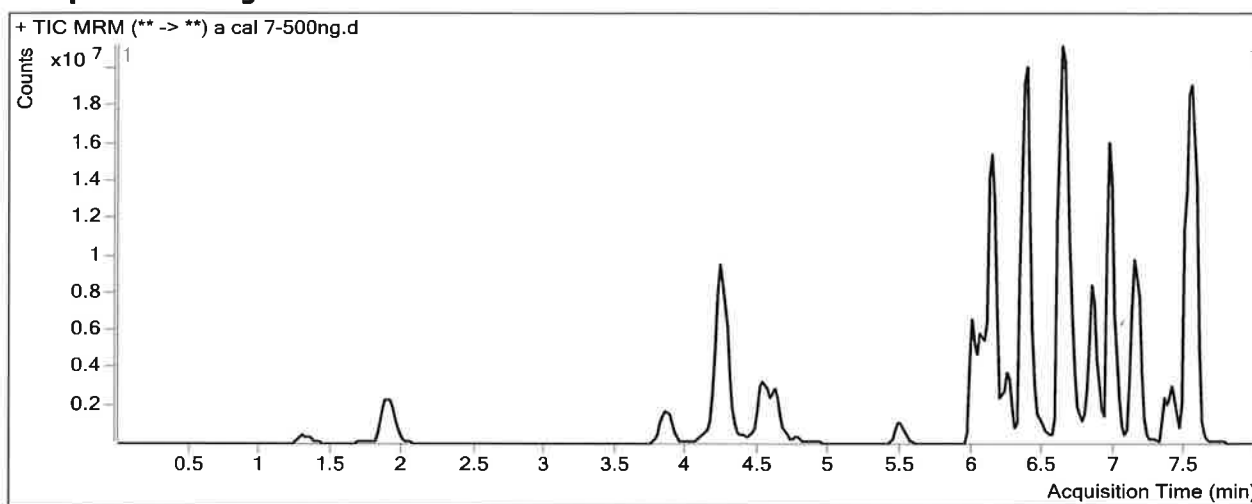
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**Report Time** 8/31/2018 11:10 AM **Reporter Name** ISPUser  
**Last Calib Update** 8/31/2018 11:04 AM **Batch State** Processed

**Analysis Info**

**Acq Time** 2018-08-28 20:10 **Data File** a cal 7-500ng.d  
**Sample Type** Calibration **Sample Name** a cal 7-500ng  
**Dilution** 1 **Acq Method** MD Quant Panel 1a 7-11-18\_volume test.m  
**Position** P1-G1 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28 worklist 2667

**Sample Chromatogram**



**Results**

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.308	2070949	58516	35.3914	583.1940
Hydromorphone	Hydromorphone-D6	1.909	7322282	435271	16.8224	551.1787
Codeine	Codeine-D6	3.852	2845465	222591	12.7834	495.8619
Oxycodone	Oxycodone-D6	4.229	27740735	1869215	14.8409	538.9316
Amphetamine	Amphetamine-D11	4.243	15201535	419302	36.2544	477.2776
Hydrocodone	Hydrocodone-D6	4.534	9045808	918423	9.8493	502.8087
Norhydrocodone	Norhydrocodone-D3	4.597	375321	179208	2.0943	479.1413
Methamphetamine	Methamphetamine-D11	4.621	9854561	414745	23.7605	544.7025
6-MAM	6-MAM-D6	4.769	267415	201924	1.3243	51.9945
Phentermine	Phentermine-D5	5.485	4796962	742973	6.4564	543.6111
Dextroprphan	Dextroprphan-D3	6.003	8808019	1256843	7.0080	528.1335
7-aminoclonazepam	7-Aminoclonazepam-D4	6.074	13207651	871665	15.1522	497.3873
Tramadol	Tramadol-13C-D3	6.140	58177056	6537239	8.8993	472.4207
Metoprolol	Tramadol-13C-D3	6.241	5530954	6537239	0.8461	493.9239
Doxylamine	Doxylamine-D5	6.381	41345050	3644973	11.3430	580.1686
Zolpidem	Zolpidem-D6	6.617	57438932	6643356	8.6461	472.8215
Bupropion	Bupropion-D9	6.691	9566848	530891	18.0204	509.9983
Meprobamate	Meprobamate-D7	6.833	6331715	390720	16.2053	505.2402
Trazodone	Trazodone-D6	6.855	13289335	768990	17.2815	562.0361
Venlafaxine	Venlafaxine-D6	6.966	42910189	3202998	13.3969	510.4633

TS

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

a cal 7-500ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.118	7988477	623304	12.8163	548.0236
Dextromethorphan	Dextromethorphan-D3	7.150	2182412	138040	15.8100	55.3024
Diphenhydramine	Diphenhydramine-D3	7.174	14945405	1309850	11.4100	577.2128
Promethazine	Promethazine-D3	7.349	5488499	385733	14.2288	515.4459
Clonazepam	Clonazepam-D4	7.405	7072765	93131	75.9443	519.6349
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.481	2458456	167456	14.6812	552.6190
Carisoprodol	Carisoprodol-D7	7.514	16622561	1309519	12.6936	505.1431
Lorazepam	Clonazepam-D4	7.523	2293070	93131	24.6220	456.8327
Alprazolam	Alprazolam-D5	7.548	35673621	2056455	17.3471	530.3252

Wrong concentration entered in the instrument for dextromethorphan. The actual concentration is a factor of 10 higher.

TS

TS

# ISP FORENSICS - Pocatello Instrument # 59740

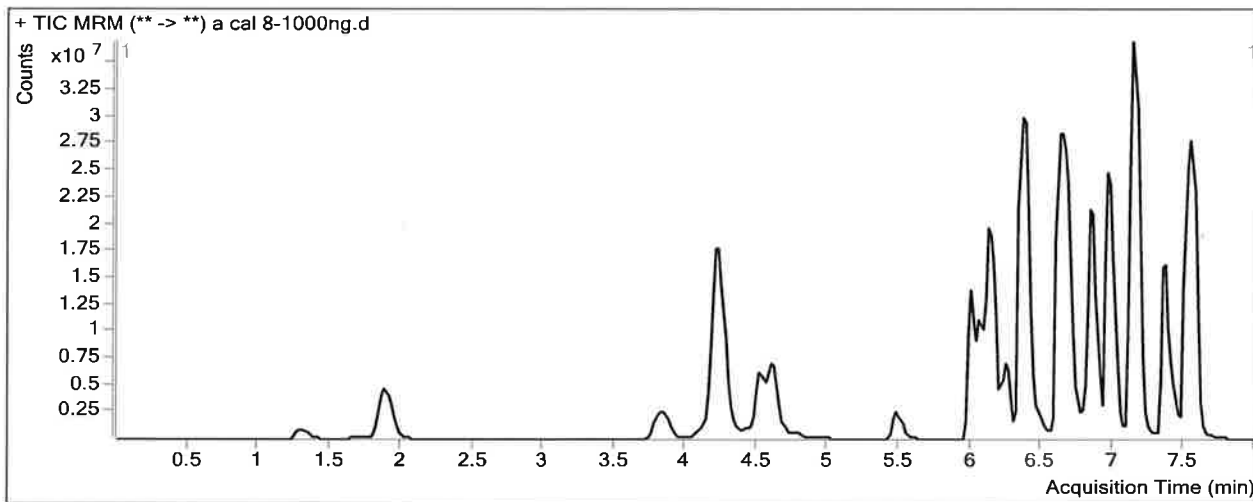
## Multi-Drug Confirmatory Analysis Report

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**Report Time** 8/31/2018 11:10 AM **Reporter Name** ISPUser  
**Last Calib Update** 8/31/2018 11:04 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-08-28 20:41 **Data File** a cal 8-1000ng.d  
**Sample Type** Calibration **Sample Name** a cal 8-1000ng  
**Dilution** 1 **Acq Method** MD Quant Panel 1a 7-11-18\_volume test.m  
**Position** P1-H1 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28 worklist 2667

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.308	3967534	60762	65.2966	1074.2958
Hydromorphone	Hydromorphone-D6	1.889	14296839	418812	34.1366	1116.8195
Codeine	Codeine-D6	3.852	5414813	180230	30.0439	1163.7702
Oxycodone	Oxycodone-D6	4.229	54752383	1879071	29.1380	1057.0764
Amphetamine	Amphetamine-D11	4.223	32981924	500263	65.9292	873.9785
Hydrocodone	Hydrocodone-D6	4.514	17457730	874740	19.9576	1015.9543
Norhydrocodone	Norhydrocodone-D3	4.577	791514	160963	4.9174	1100.0825
Methamphetamine	Methamphetamine-D11	4.621	25814170	552372	46.7333	1071.9323
6-MAM	6-MAM-D6	4.769	540758	177663	3.0437	119.5060
Phentermine	Phentermine-D5	5.485	10728261	950703	11.2846	948.3340
Dextrophan	Dextrophan-D3	6.003	20457766	1396574	14.6485	1102.3310
7-aminoclonazepam	7-Aminoclonazepam-D4	6.074	25264859	816543	30.9413	1012.9469
Tramadol	Tramadol-13C-D3	6.140	82083402	6359165	12.9079	685.4069
Metoprolol	Tramadol-13C-D3	6.241	10803177	6359165	1.6988	990.6070
Doxylamine	Doxylamine-D5	6.381	75066702	4364339	17.2000	879.5520
Zolpidem	Zolpidem-D6	6.637	82321336	6267552	13.1345	718.0218
Bupropion	Bupropion-D9	6.711	25856458	725170	35.6557	1006.7634
Meprobamate	Meprobamate-D7	6.833	10754256	336685	31.9416	993.3571
Trazodone	Trazodone-D6	6.855	38517817	1249130	30.8357	1002.0053
Venlafaxine	Venlafaxine-D6	6.966	71543062	3690673	19.3848	738.0687

TS

a cal 8-1000ng

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

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Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.118	31472915	1278363	24.6197	1051.1777
Dextromethorphan	Dextromethorphan-D3	7.150	12503702	399398	31.3064	109.3864
Diphenhydramine	Diphenhydramine-D3	7.174	54315414	3051878	17.7974	900.2889
Promethazine	Promethazine-D3	7.369	42360893	1582842	26.7626	968.2573
Clonazepam	Clonazepam-D4	7.405	11777976	82110	143.4412	979.5027
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.481	4232785	137964	30.6804	1153.5193
Carisoprodol	Carisoprodol-D7	7.514	25499761	962671	26.4885	1052.5139
Lorazepam	Clonazepam-D4	7.523	4623682	82110	56.3107	1038.0667
Alprazolam	Alprazolam-D5	7.548	51307550	1654355	31.0136	947.5457

Wrong concentration entered in the instrument for dextromethorphan. The actual concentration is a factor of 10 higher.

TS

TS

# ISP FORENSICS - Pocatello Instrument # 59740

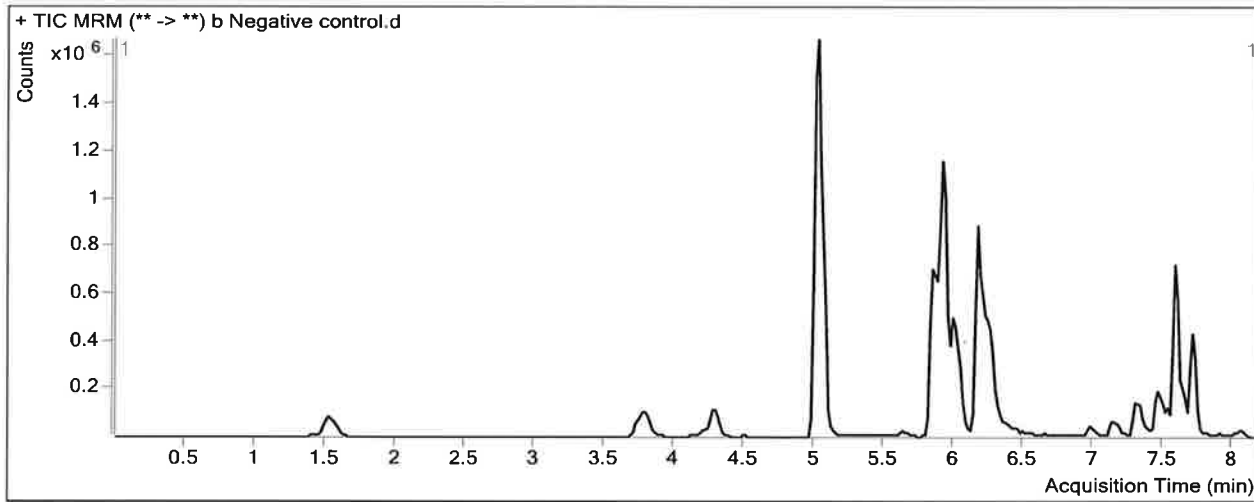
## Multi-Drug Confirmatory Analysis Report

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**Report Time** 8/31/2018 11:20 AM **Reporter Name** ISPUser  
**Last Calib Update** 8/31/2018 11:16 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-08-28 22:00 **Data File** b Negative control.d  
**Sample Type** Sample **Sample Name** b Negative control  
**Dilution** 1 **Acq Method** MD Quant Panel 1b 7-11-18\_volume test.m  
**Position** P1-E2 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28 worklist 2667

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Buprenorphine	Buprenorphine-D4	7.677	622	86104	0.0072	1.4869 <2.5 TS

TS

# ISP FORENSICS - Pocatello Instrument # 59740

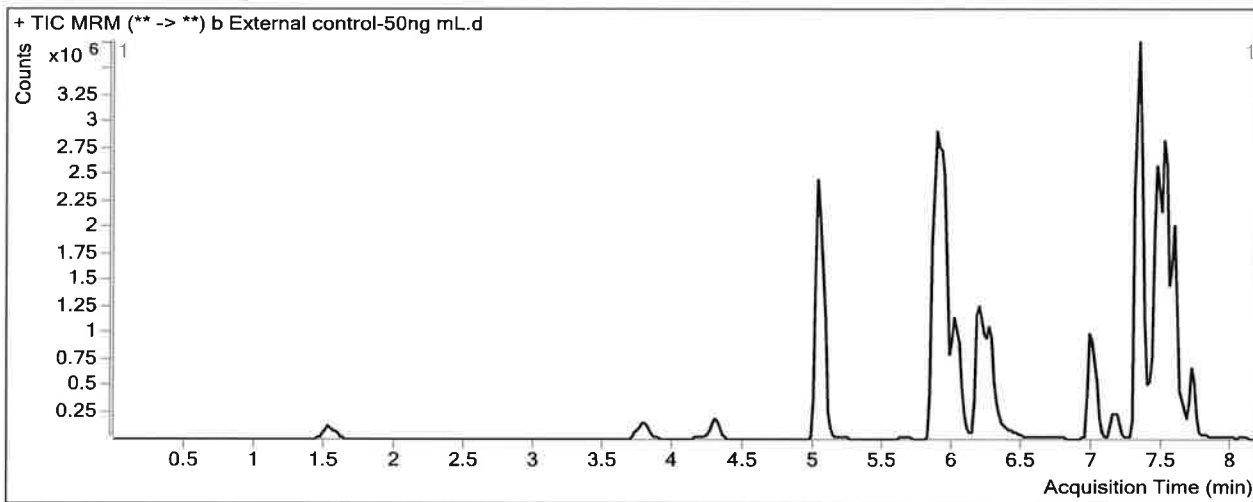
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\082818 MDQ P1 TS worklist 2667\QuantResults\P1b MDQ worklist 2667  
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**Report Time** 8/31/2018 11:21 AM **Reporter Name** ISPUser  
**Last Calib Update** 8/31/2018 11:16 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-08-28 22:31 **Data File** b External control-50ng mL.d  
**Sample Type** Sample **Sample Name** b External control-50ng mL  
**Dilution** 1 **Acq Method** MD Quant Panel 1b 7-11-18\_volume test.m  
**Position** P1-F2 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28; WS121217 50 ng trazodone, ketamine, morphine, quetiapine

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.260	17495	10363334	0.0017	0.0991 < 5 TS
<u>Ketamine</u>	Ketamine-D4	5.881	6567853	4989793	1.3163	57.9844
<u>Quetiapine</u>	Quetiapine-D8	7.318	7521351	1786122	4.2110	41.3219
Buprenorphine	Buprenorphine-D4	7.817	1404	957399	0.0015	1.3557 < 2.5 TS

# ISP FORENSICS - Pocatello Instrument # 59740

## Multi-Drug Confirmatory Analysis Report

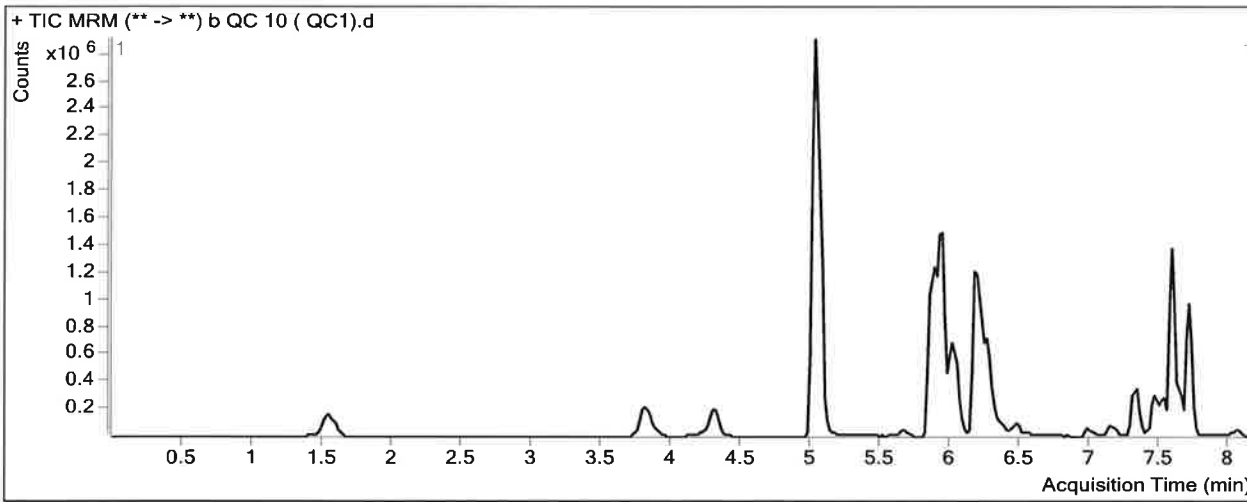
TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\082818 MDQ P1 TS worklist 2667\QuantResults\P1b MDQ worklist 2667  
**Analysis Time** 8/31/2018 11:16 AM **Analyst Name** ISPUser  
**Report Time** 8/31/2018 11:21 AM **Reporter Name** ISPUser  
**Last Calib Update** 8/31/2018 11:16 AM **Batch State** Processed

**Analysis Info**

**Acq Time** 2018-08-28 23:34 **Data File** b QC 10 ( QC1).d  
**Sample Type** QC **Sample Name** b QC 10 ( QC1)  
**Dilution** 1 **Acq Method** MD Quant Panel 1b 7-11-18\_volume test.m  
**Position** P1-A2 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28 worklist 2667

**Sample Chromatogram**



**Results**

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.548	189188	842044	0.2247	8.7718
Dihydrocodeine	Dihydrocodeine-D6	3.850	175059	1036716	0.1689	10.2057
Noroxycodone	Noroxycodone-D3	4.331	243856	930582	0.2620	9.3029
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.032	1917246	10265460	0.1868	9.8591
Benzoylcegonine	Benzoylcegonine-d8	5.670	29186	78556	0.3715	16.2651
Ketamine	Ketamine-D4	5.881	915046	4455969	0.2054	9.9147
Norfentanyl	Norfentanyl-D5	5.964	65303	4585276	0.0142	1.6067
Cocaine	Cocaine-d3	6.192	266478	4406743	0.0605	9.7692
alpha-PVP	alpha-PVP-d8	6.267	315199	2227052	0.1415	8.6203
Mirtazapine	alpha-PVP-d8	6.480	154726	2227052	0.0695	6.5695
Fentanyl	Fentanyl-D5	7.018	1809	218631	0.0083	1.1928
Mitragynine	EDDP-D3	7.075	16798	251661	0.0667	4.5173
EDDP	EDDP-D3	7.148	32277	251661	0.1283	9.3297
Quetiapine	Quetiapine-D8	7.318	472059	502482	0.9395	10.6715
Buprenorphine	Buprenorphine-D4	7.395	3222	71647	0.0450	2.3474
Cyclobenzaprine	Cyclobenzaprine-D3	7.432	31137	125418	0.2483	12.2240
Methadone	Methadone-D9	7.462	152390	646310	0.2358	9.6728
Fluoxetine	Fluoxetine-D6	7.503	78501	386138	0.2033	11.2015
Oxazepam	Oxazepam-D5	7.527	46465	335884	0.1383	8.8251

*outside curve range. TS*

*outside curve range. TS*

*Not evaluated. TS*

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

TS

b QC 10 (QC1)

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Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Sertraline	Sertraline-D3	7.563	36990	182031	0.2032	10.6059
Temazepam	Temazepam-D5	7.585	515580	3307858	0.1559	9.7203
Nordiazepam	Nordiazepam-D5	7.655	153946	503327	0.3059	9.1000
Diazepam	Diazepam-D5	7.711	433339	1998580	0.2168	10.7355



TS

# ISP FORENSICS - Pocatello Instrument # 59740

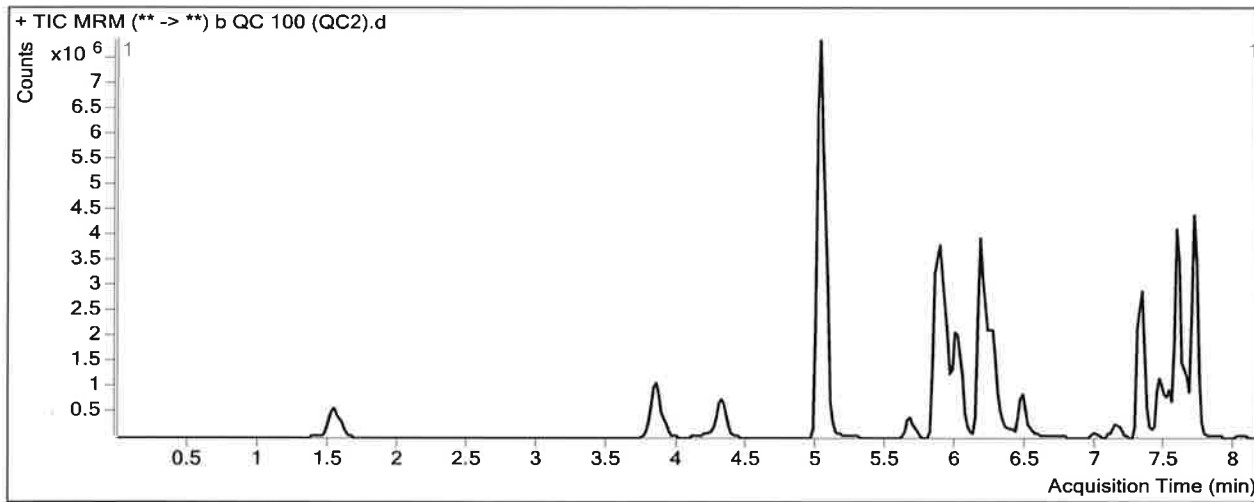
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\082818 MDQ P1 TS worklist 2667\QuantResults\P1b MDQ worklist 2667  
**Analysis Time** 8/31/2018 11:16 AM **Analyst Name** ISPUser  
**Report Time** 8/31/2018 11:21 AM **Reporter Name** ISPUser  
**Last Calib Update** 8/31/2018 11:16 AM **Batch State** Processed

**Analysis Info**

**Acq Time** 2018-08-29 02:27 **Data File** b QC 100 (QC2).d  
**Sample Type** QC **Sample Name** b QC 100 (QC2)  
**Dilution** 1 **Acq Method** MD Quant Panel 1b 7-11-18\_volume test.m  
**Position** P1-B2 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28 worklist 2667

**Sample Chromatogram**



**Results**

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.548	2331757	859696	2.7123	88.4434
Dihydrocodeine	Dihydrocodeine-D6	3.850	2098177	1068946	1.9628	92.8405
Noroxycodone	Noroxycodone-D3	4.311	2946170	943797	3.1216	93.9641
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.032	21644580	10656497	2.0311	107.1203
Benzoylcegonine	Benzoylcegonine-d8	5.670	487603	77959	6.2546	256.5008
Ketamine	Ketamine-D4	5.881	10261277	4449903	2.3060	100.8094
Norfentanyl	Norfentanyl-D5	5.964	919429	4752652	0.1935	9.3368
Cocaine	Cocaine-d3	6.169	3174188	4499826	0.7054	88.4744
alpha-PVP	alpha-PVP-d8	6.267	3545635	2187022	1.6212	85.3547
Mirtazapine	alpha-PVP-d8	6.480	1910736	2187022	0.8737	52.5401
Norbuprenorphine	Norbuprenorphine-D3	6.934	90	7204	0.0125	2.6340 <i>Not evaluated.</i>
Fentanyl	Fentanyl-D5	6.998	30164	232012	0.1300	7.8499 <i>TS</i>
Mitragynine	EDDP-D3	7.075	206231	247280	0.8340	32.1397
EDDP	EDDP-D3	7.148	510369	247280	2.0639	91.4863
Quetiapine	Quetiapine-D8	7.318	6393317	602241	10.6159	101.3280
Buprenorphine	Buprenorphine-D4	7.375	31227	83990	0.3718	9.7970 <i>Not evaluated.</i>
Cyclobenzaprine	Cyclobenzaprine-D3	7.432	336060	145828	2.3045	88.4768 <i>TS</i>
Methadone	Methadone-D9	7.462	1932858	775281	2.4931	95.1774
Fluoxetine	Fluoxetine-D6	7.503	978313	452714	2.1610	94.1749

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

TS

b (QC 100) (QC2)

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Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxazepam	Oxazepam-D5	7.527	577567	362765	1.5921	90.8754
Sertraline	Sertraline-D3	7.563	400039	221383	1.8070	86.6073
Temazepam	Temazepam-D5	7.585	6121043	3492137	1.7528	92.2519
Nordiazepam	Nordiazepam-D5	7.655	1938566	506894	3.8244	101.7029
Diazepam	Diazepam-D5	7.711	4942417	2024222	2.4416	93.1171

# ISP FORENSICS - Pocatello Instrument # 59740

## Multi-Drug Confirmatory Analysis Report

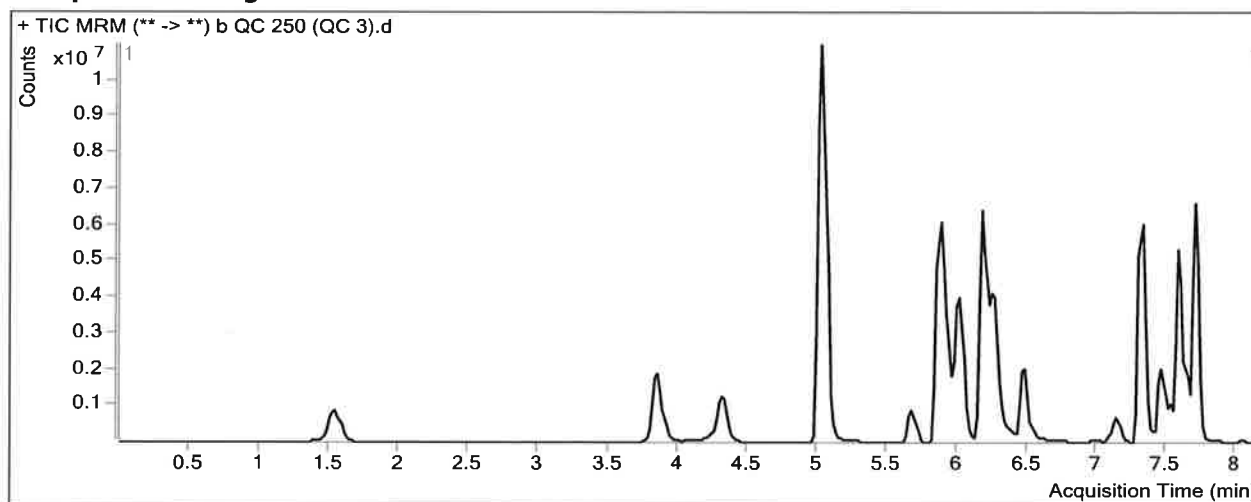
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**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\082818 MDQ P1 TS worklist 2667\QuantResults\P1b MDQ worklist 2667  
**Analysis Time** 8/31/2018 11:16 AM **Analyst Name** ISPUser  
**Report Time** 8/31/2018 11:21 AM **Reporter Name** ISPUser  
**Last Calib Update** 8/31/2018 11:16 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-08-29 06:07 **Data File** b QC 250 (QC 3).d  
**Sample Type** QC **Sample Name** b QC 250 (QC 3)  
**Dilution** 1 **Acq Method** MD Quant Panel 1b 7-11-18\_volume test.m  
**Position** P1-C2 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28 worklist 2667

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.548	4277442	592385	7.2207	232.8348
Dihydrocodeine	Dihydrocodeine-D6	3.850	3948149	774236	5.0994	237.3177
Noroxycodone	Noroxycodone-D3	4.311	5596849	675309	8.2878	246.9168
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.032	38306000	7614724	5.0305	265.2927
Benzoylcegonine	Benzoylcegonine-d8	5.670	1110452	57268	19.3904	792.9014
Ketamine	Ketamine-D4	5.881	18339560	3134296	5.8513	254.2173
Norfentanyl	Norfentanyl-D5	5.964	2010892	3807350	0.5282	23.7737
Cocaine	Cocaine-d3	6.169	6194785	3386316	1.8294	225.6380
alpha-PVP	alpha-PVP-d8	6.267	8462987	1869605	4.5266	236.0249
Mirtazapine	alpha-PVP-d8	6.480	4804548	1869605	2.5698	149.4981
Norbuprenorphine	Norbuprenorphine-D3	6.954	1520	5892	0.2580	13.4549
Fentanyl	Fentanyl-D5	6.978	51139	130061	0.3932	22.2422
Mitragynine	EDDP-D3	7.095	442045	245116	1.8034	67.0403
EDDP	EDDP-D3	7.148	1334902	245116	5.4460	235.0330
Quetiapine	Quetiapine-D8	7.318	14067920	455822	30.8628	291.0171
Buprenorphine	Buprenorphine-D4	7.375	63239	70144	0.9016	21.8729
Cyclobenzaprine	Cyclobenzaprine-D3	7.432	415571	64829	6.4103	240.7348
Methadone	Methadone-D9	7.462	4013454	581785	6.8985	262.0492
Fluoxetine	Fluoxetine-D6	7.503	920424	154590	5.9540	254.9328

Not evaluated.  
TS

Not evaluated.  
TS

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

TS

b QC 250 (QC3)

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Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxazepam	Oxazepam-D5	7.527	996272	213952	4.6565	263.8270
Sertraline	Sertraline-D3	7.563	385600	69078	5.5821	265.5043
Temazepam	Temazepam-D5	7.585	10583955	2222939	4.7612	247.7309
Nordiazepam	Nordiazepam-D5	7.655	3428482	352889	9.7155	256.7474
Diazepam	Diazepam-D5	7.711	8315170	1259263	6.6032	247.2138

# ISP FORENSICS - Pocatello Instrument # 59740

## Multi-Drug Confirmatory Analysis Report

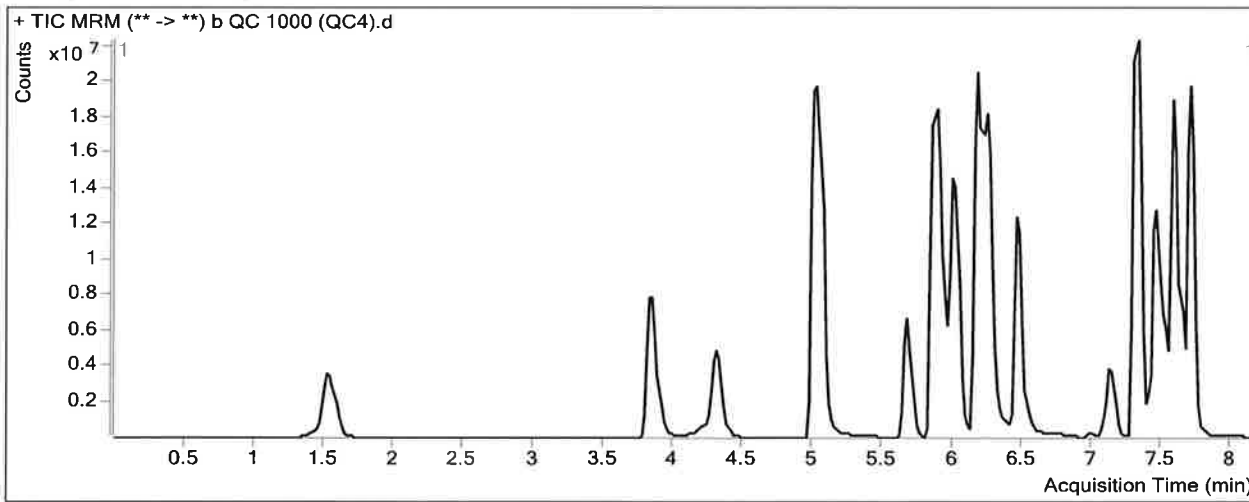
TS

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**Analysis Time** 8/31/2018 11:16 AM **Analyst Name** ISPUser  
**Report Time** 8/31/2018 11:21 AM **Reporter Name** ISPUser  
**Last Calib Update** 8/31/2018 11:16 AM **Batch State** Processed

**Analysis Info**

**Acq Time** 2018-08-29 08:29 **Data File** b QC 1000 (QC4).d  
**Sample Type** QC **Sample Name** b QC 1000 (QC4)  
**Dilution** 1 **Acq Method** MD Quant Panel 1b 7-11-18\_volume test.m  
**Position** P1-D2 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28 worklist 2667

**Sample Chromatogram**



**Results**

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.528	19110089	614694	31.0888	997.2603
Dihydrocodeine	Dihydrocodeine-D6	3.850	17270416	848319	20.3584	940.1794
Noroxycodone	Noroxycodone-D3	4.311	22888999	628467	36.4204	1079.8175
<del>O-desmethyl-tramadol</del>	<del>O-desmethyl-tramadol-D6</del>	<del>5.032</del>	<del>101009518</del>	<del>7919400</del>	<del>12.7547</del>	<del>672.6246</del>
<del>Benzoylcegonine</del>	<del>Benzoylcegonine-d8</del>	<del>5.670</del>	<del>8420188</del>	<del>61162</del>	<del>137.6696</del>	<del>5622.8430</del>
Ketamine	Ketamine-D4	5.881	69795942	3443884	20.2666	877.9821
Norfentanyl	Norfentanyl-D5	5.964	10040746	4250266	2.3624	102.8897
Cocaine	Cocaine-d3	6.169	26407231	3335919	7.9160	968.4334
alpha-PVP	alpha-PVP-d8	6.247	37344427	2031470	18.3830	954.5963
Mirtazapine	alpha-PVP-d8	6.460	28729883	2031470	14.1424	811.0288
<del>Norbuprenorphine</del>	<del>Norbuprenorphine-D3</del>	<del>6.914</del>	<del>12149</del>	<del>8125</del>	<del>1.4952</del>	<del>67.9963</del>
Fentanyl	Fentanyl-D5	6.998	516644	268895	1.9214	105.8119
Mitragynine	EDDP-D3	7.075	2959393	335263	8.8271	319.9053
EDDP	EDDP-D3	7.148	8338272	335263	24.8709	1059.4907
<del>Quetiapine</del>	<del>Quetiapine-D8</del>	<del>7.318</del>	<del>53570907</del>	<del>755001</del>	<del>70.9548</del>	<del>666.6316</del>
<del>Buprenorphine</del>	<del>Buprenorphine-D4</del>	<del>7.375</del>	<del>407864</del>	<del>90355</del>	<del>4.5140</del>	<del>104.2160</del>
Cyclobenzaprine	Cyclobenzaprine-D3	7.432	4983349	167574	29.7381	1105.8194
Methadone	Methadone-D9	7.462	26823504	969225	27.6752	1049.0454
Fluoxetine	Fluoxetine-D6	7.503	9682596	378162	25.6043	1087.7784

*outside curve range, TS*  
*outside curve range, TS*

*Not evaluated, TS*

*outside curve range, TS*  
*Not evaluated, TS*

TS

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

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b QC 1000 (QC4)

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxazepam	Oxazepam-D5	7.527	4717230	256810	18.3686	1037.7212
Sertraline	Sertraline-D3	7.563	4015762	168915	23.7738	1127.5841
Temazepam	Temazepam-D5	7.585	39885470	2032947	19.6195	1015.6220
<del>Nordiazepam</del>	<del>Nordiazepam-D5</del>	<del>7.655</del>	<del>12947566</del>	<del>285699</del>	<del>45.3189</del>	<del>1193.7784</del>
Diazepam	Diazepam-D5	7.711	30132409	1074097	28.0537	1041.4948

outside conc range. TS

# ISP Forensics Calibration Curve Report

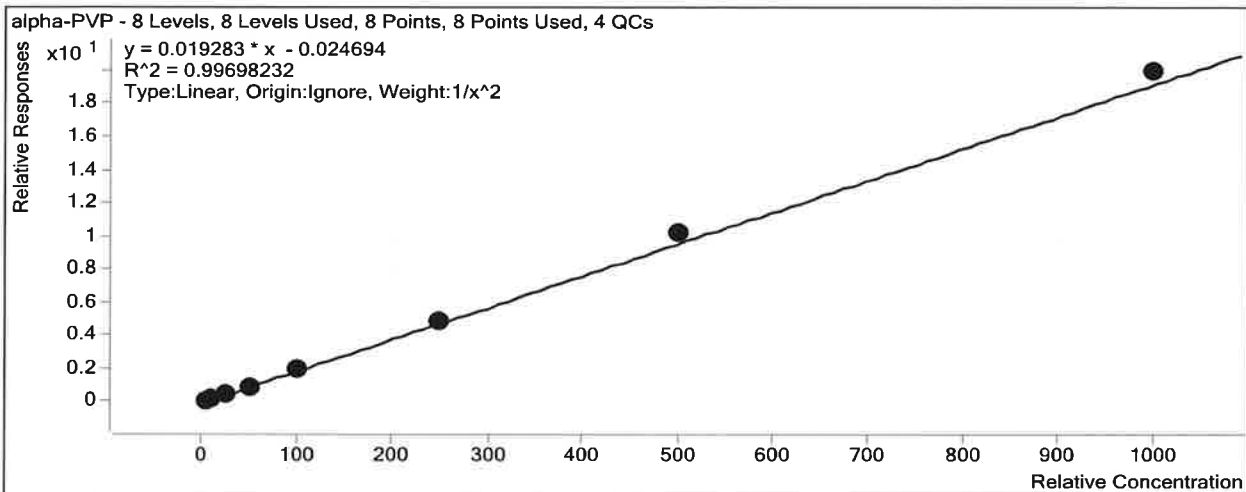
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**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\082818 MDQ P1 TS worklist 2667\QuantResults\P1b

MDQ worklist 2667 TS.batch.bin

**Last Calib Update** 8/31/2018 11:16 AM **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	1	<input checked="" type="checkbox"/>	5	5.2	104.2
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.5	94.5
b QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	8.6	86.2
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.7	95.0
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.6	95.1
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.7	98.7
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	85.4	85.4
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	255.8	102.3
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	236.0	94.4
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	533.3	106.7
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1035.1	103.5
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	954.6	95.5

# ISP Forensics Calibration Curve Report

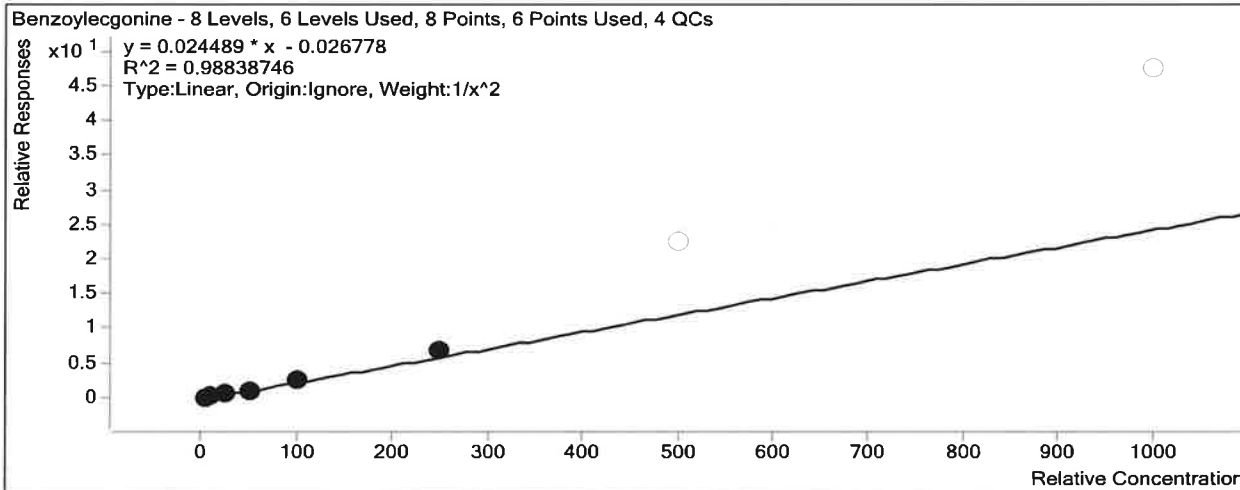
TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\082818 MDQ P1 TS worklist 2667\QuantResults\P1b

**Last Calib Update** 8/31/2018 11:16 AM **Analyst Name** ISP TOX

**Target Compound** Benzoyllecgonine

**Internal Standard** Benzoyllecgonine-d8



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	103.8
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	97.1
b QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	16.3	162.7
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.6	90.3
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	45.3	90.5
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	106.4	106.4
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	256.5	256.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	279.8	111.9
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	792.9	317.2
b cal 7-500ng	7	<input type="checkbox"/>	500	921.6	184.3
b cal 8-1000ng	8	<input type="checkbox"/>	1000	1939.2	193.9
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	5622.8	562.3

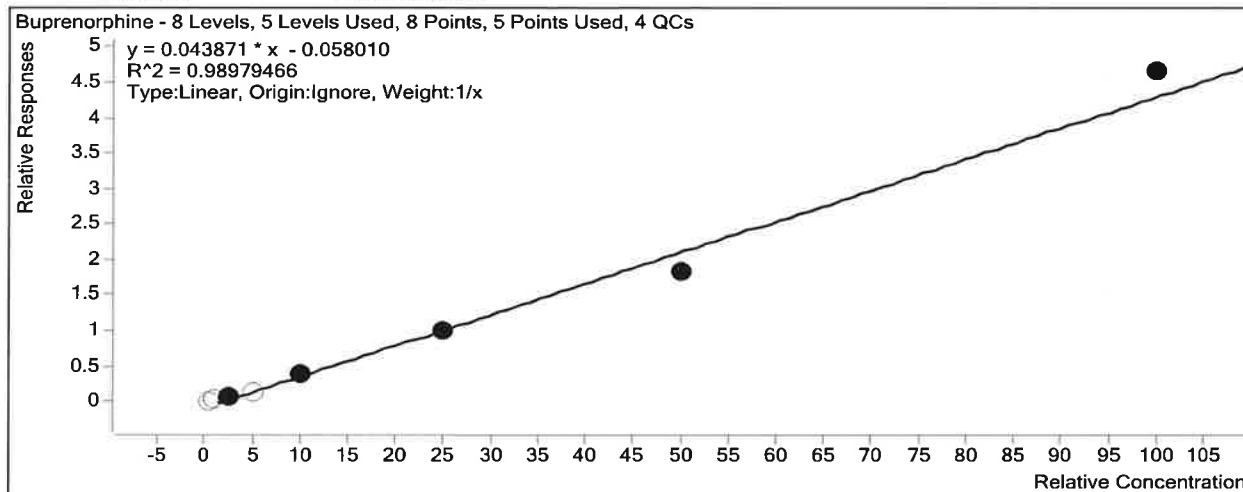


# ISP Forensics Calibration Curve Report

TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\082818 MDQ P1 TS worklist 2667\QuantResults\P1b MDQ worklist 2667 TS.batch.bin  
**Last Calib Update** 8/31/2018 11:16 AM **Analyst Name** ISP TOX

**Target Compound** *Buprenorphine*  
**Internal Standard** *Buprenorphine-D4*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input type="checkbox"/>	0.5	1.8	355.1
b cal 2-10ng	2	<input type="checkbox"/>	1	2.4	240.0
b QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	1	2.3	234.7
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.7	109.2
b cal 4-50ng	4	<input type="checkbox"/>	5	4.7	94.3
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	10.0	100.1
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	10	9.8	98.0
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	24.2	97.0
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	25	21.9	87.5
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	43.3	86.5
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	107.3	107.3
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	100	104.2	104.2

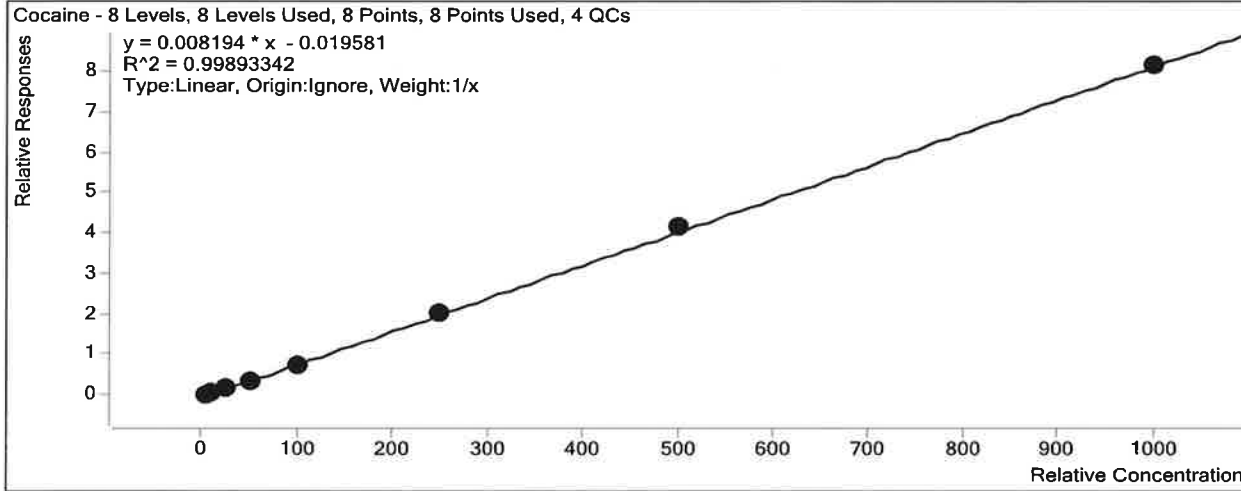
\* Compound not evaluated. - TS

# ISP Forensics Calibration Curve Report

TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\082818 MDQ P1 TS worklist 2667\QuantResults\P1b MDQ worklist 2667 TS.batch.bin  
**Last Calib Update** 8/31/2018 11:16 AM **Analyst Name** ISP TOX

**Target Compound** Cocaine  
**Internal Standard** Cocaine-d3



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	6.1	121.0
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.4	104.3
b QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	9.8	97.7
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	21.5	85.9
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.3	92.7
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	93.5	93.5
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	88.5	88.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	249.6	99.8
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	225.6	90.3
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	515.0	103.0
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	997.6	99.8
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	968.4	96.8

# ISP Forensics Calibration Curve Report

TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\082818 MDQ P1 TS worklist 2667\QuantResults\P1b

MDQ worklist 2667 TS.batch.bin

**Last Calib Update**

8/31/2018 11:16 AM

**Analyst Name**

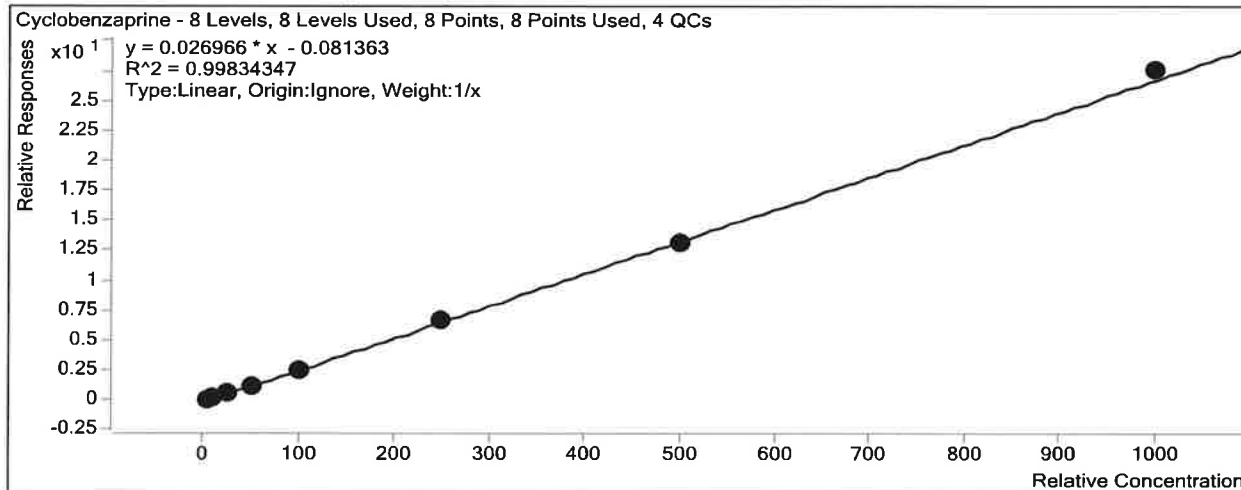
ISP TOX

**Target Compound**

*Cyclobenzaprine*

**Internal Standard**

*Cyclobenzaprine-D3*



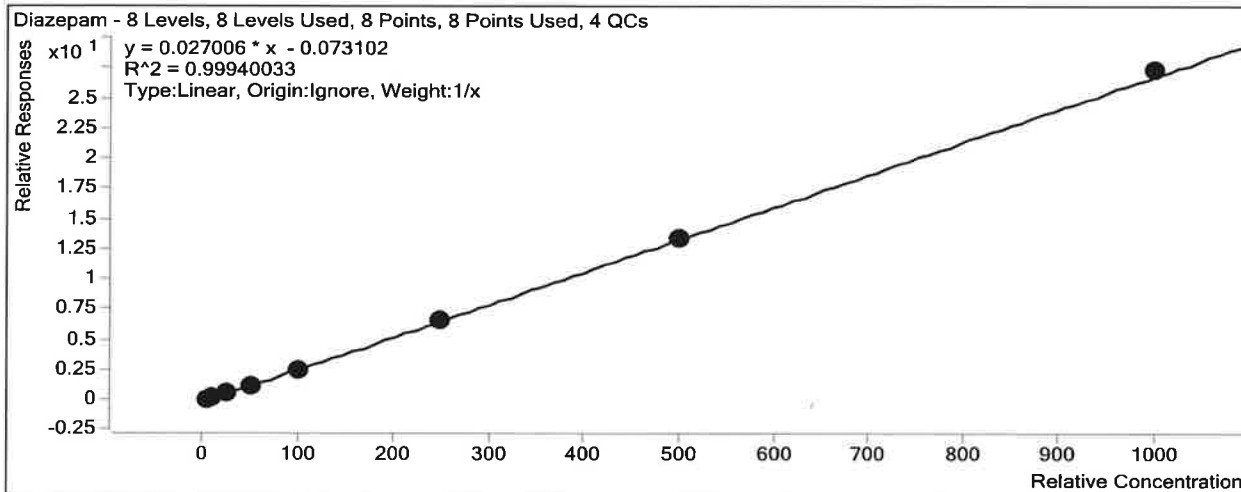
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	6.4	127.5
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.5	104.9
b QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	12.2	122.2
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	21.9	87.4
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	42.6	85.3
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	94.5	94.5
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	88.5	88.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	249.8	99.9
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	240.7	96.3
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	490.4	98.1
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1023.9	102.4
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1105.8	110.6

# ISP Forensics Calibration Curve Report

TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\082818 MDQ P1 TS worklist 2667\QuantResults\P1b MDQ worklist 2667 TS.batch.bin  
**Last Calib Update** 8/31/2018 11:16 AM **Analyst Name** ISP TOX

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



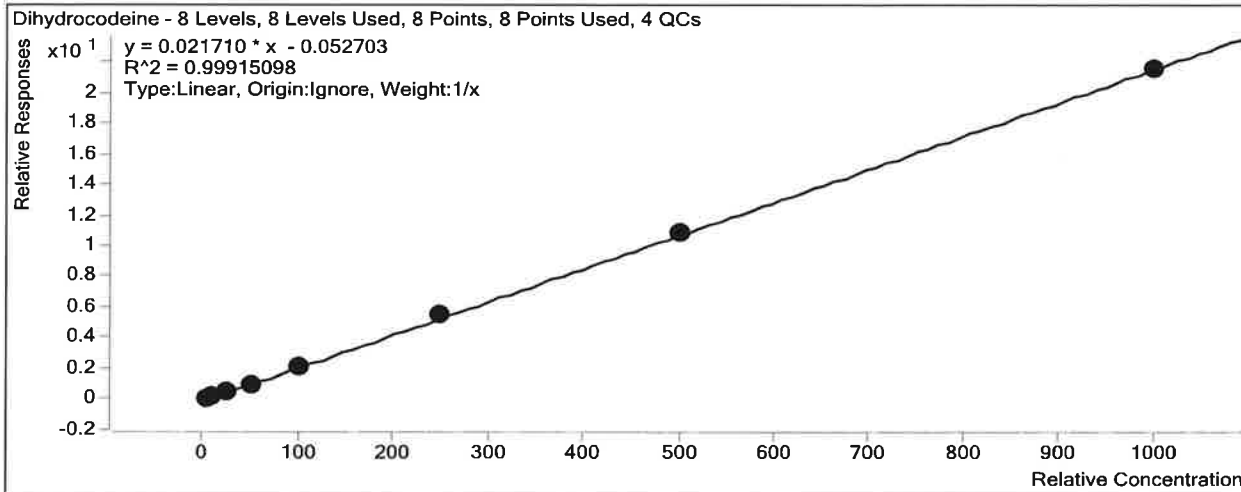
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	6.0	120.3
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	98.3
b QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	10.7	107.4
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.3	93.3
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.0	94.1
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	94.5	94.5
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	93.1	93.1
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	245.6	98.2
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	247.2	98.9
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	500.4	100.1
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1013.3	101.3
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1041.5	104.1

# ISP Forensics Calibration Curve Report

TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\082818 MDQ P1 TS worklist 2667\QuantResults\P1b MDQ worklist 2667 TS.batch.bin  
**Last Calib Update** 8/31/2018 11:16 AM **Analyst Name** ISP TOX

**Target Compound** Dihydrocodeine  
**Internal Standard** Dihydrocodeine-D6



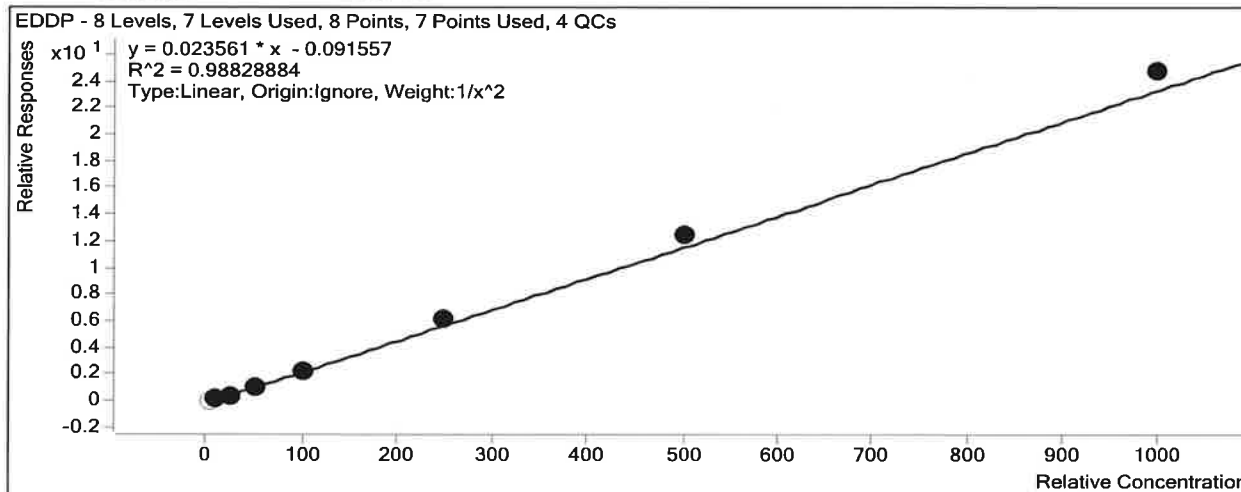
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	6.1	122.9
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	97.6
b QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	10.2	102.1
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	21.6	86.6
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	45.2	90.3
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.0	99.0
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	92.8	92.8
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	257.0	102.8
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	237.3	94.9
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	506.5	101.3
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	994.8	99.5
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	940.2	94.0

# ISP Forensics Calibration Curve Report

TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\082818 MDQ P1 TS worklist 2667\QuantResults\P1b MDQ worklist 2667 TS.batch.bin  
**Last Calib Update** 8/31/2018 11:16 AM **Analyst Name** ISP TOX

**Target Compound** EDDP  
**Internal Standard** EDDP-D3



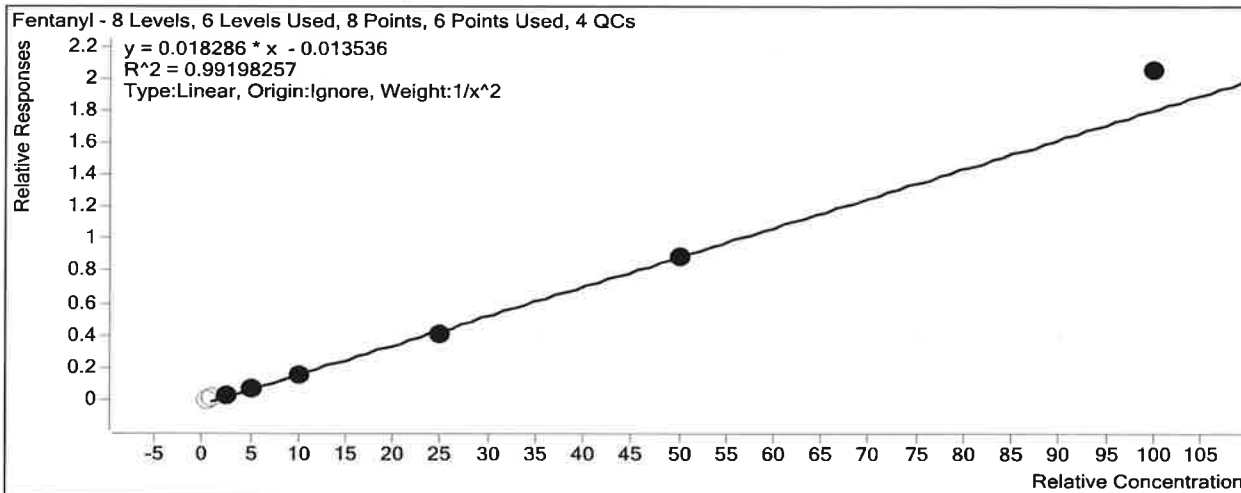
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input type="checkbox"/>	5	6.7	133.7
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.8	108.0
b QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	9.3	93.3
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	21.0	83.8
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	45.6	91.3
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.2	98.2
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	91.5	91.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	264.9	106.0
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	235.0	94.0
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	536.8	107.4
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1054.1	105.4
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1059.5	105.9

# ISP Forensics Calibration Curve Report

TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\082818 MDQ P1 TS worklist 2667\QuantResults\P1b MDQ worklist 2667 TS.batch.bin  
**Last Calib Update** 8/31/2018 11:16 AM **Analyst Name** ISP TOX

**Target Compound** Fentanyl  
**Internal Standard** Fentanyl-D5



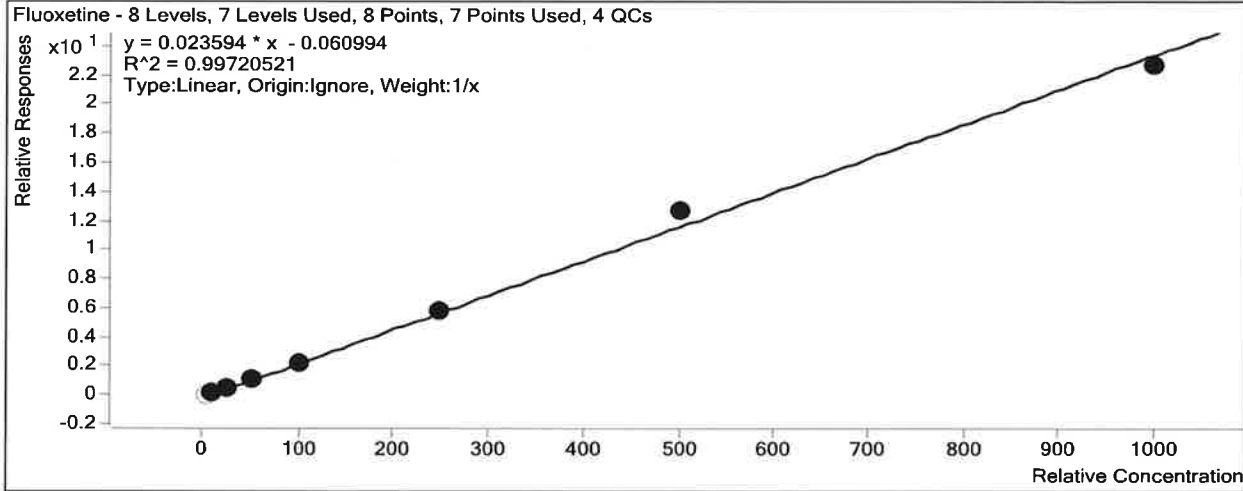
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input type="checkbox"/>	0.5	1.1	213.4
b cal 2-10ng	2	<input type="checkbox"/>	1	1.4	139.8
b QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	1	1.2	119.3
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.6	103.6
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.8	95.7
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.6	95.7
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	10	7.8	78.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	23.2	93.0
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	25	22.2	89.0
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	49.6	99.3
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	112.7	112.7
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	100	105.8	105.8

# ISP Forensics Calibration Curve Report

TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\082818 MDQ P1 TS worklist 2667\QuantResults\P1b MDQ worklist 2667 TS.batch.bin  
**Last Calib Update** 8/31/2018 11:16 AM **Analyst Name** ISP TOX

**Target Compound** Fluoxetine  
**Internal Standard** Fluoxetine-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input type="checkbox"/>	5	6.7	134.3
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.7	106.9
b QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	11.2	112.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.1	92.3
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.7	97.4
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.8	98.8
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	94.2	94.2
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	250.9	100.3
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	254.9	102.0
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	539.2	107.8
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	963.6	96.4
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1087.8	108.8

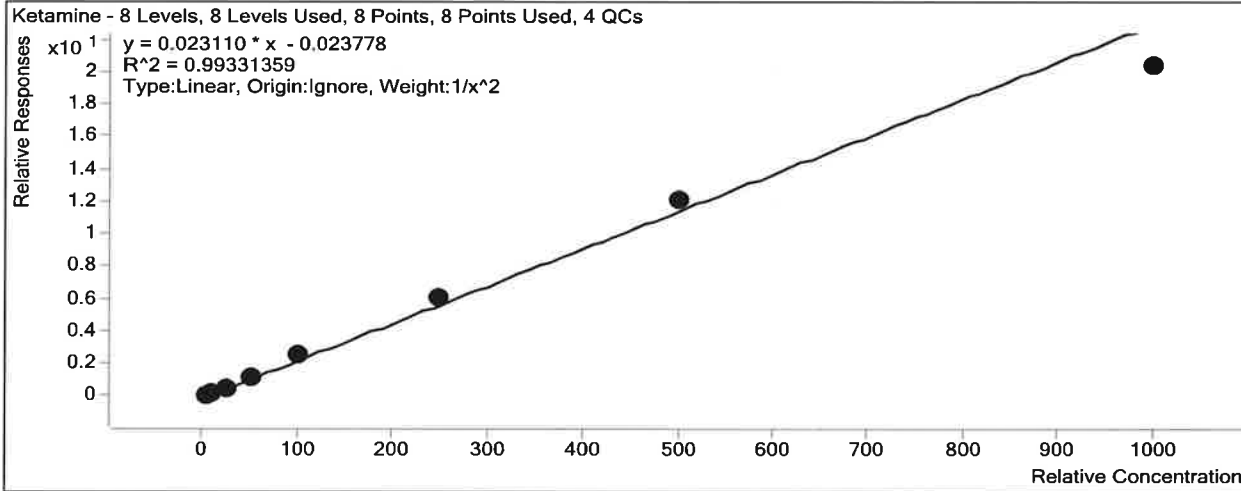


# ISP Forensics Calibration Curve Report

TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\082818 MDQ P1 TS worklist 2667\QuantResults\P1b MDQ worklist 2667 TS.batch.bin  
**Last Calib Update** 8/31/2018 11:16 AM **Analyst Name** ISP TOX

**Target Compound** Ketamine  
**Internal Standard** Ketamine-D4



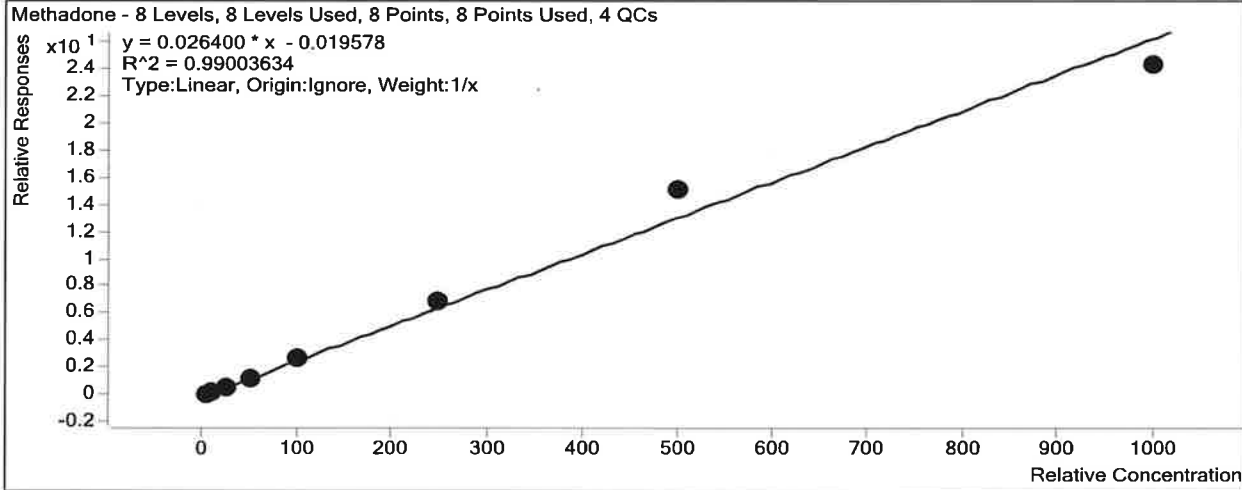
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.5
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	101.3
b QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	9.9	99.1
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.2	92.7
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.3	96.6
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	109.1	109.1
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	100.8	100.8
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	267.0	106.8
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	254.2	101.7
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	523.3	104.7
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	882.3	88.2
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	878.0	87.8

# ISP Forensics Calibration Curve Report

TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\082818 MDQ P1 TS worklist 2667\QuantResults\P1b MDQ worklist 2667 TS.batch.bin  
**Last Calib Update** 8/31/2018 11:16 AM **Analyst Name** ISP TOX

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



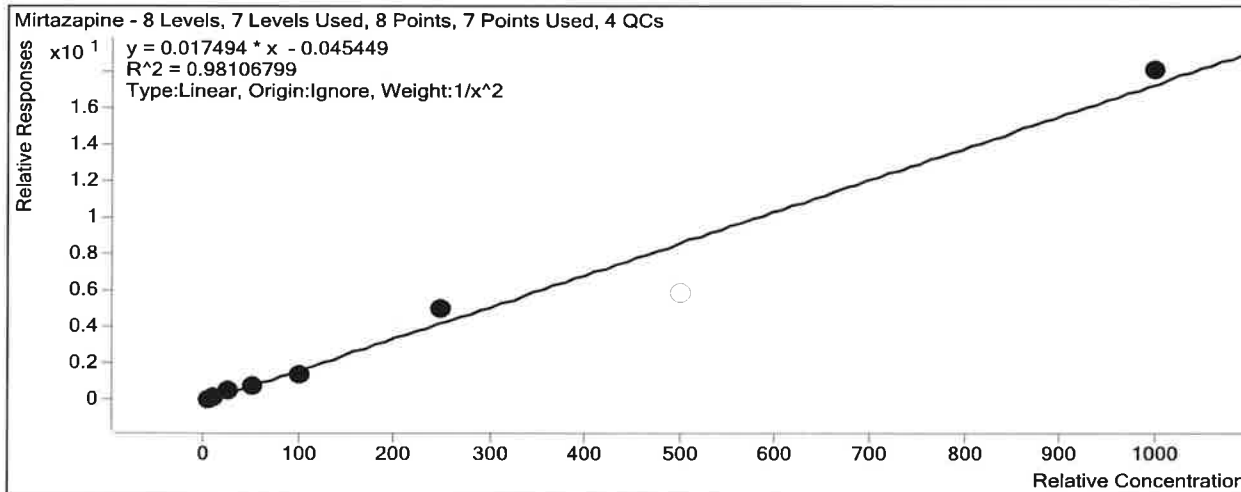
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.2
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	99.2
b QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	9.7	96.7
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.5	90.0
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.8	95.7
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.4	102.4
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	95.2	95.2
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	260.2	104.1
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	262.0	104.8
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	572.5	114.5
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	919.5	91.9
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1049.0	104.9

# ISP Forensics Calibration Curve Report

TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\082818 MDQ P1 TS worklist 2667\QuantResults\P1b MDQ worklist 2667 TS.batch.bin  
**Last Calib Update** 8/31/2018 11:16 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.6
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	97.8
b QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	6.6	65.7
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	27.4	109.6
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.0	92.0
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	80.1	80.1
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	52.5	52.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	290.3	116.1
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	149.5	59.8
b cal 7-500ng	7	<input type="checkbox"/>	500	341.1	68.2
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1037.4	103.7
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	811.0	81.1

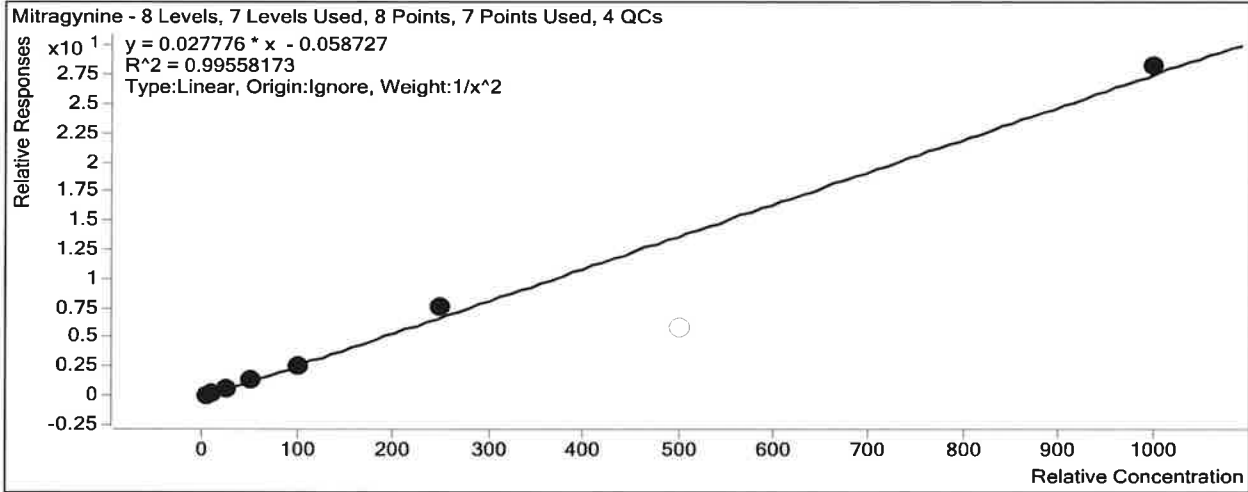
- Peak cut-off - TS

# ISP Forensics Calibration Curve Report

TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\082818 MDQ P1 TS worklist 2667\QuantResults\P1b MDQ worklist 2667 TS.batch.bin  
**Last Calib Update** 8/31/2018 11:16 AM **Analyst Name** ISP TOX

**Target Compound** *Mitragynine*  
**Internal Standard** *EDDP-D3*



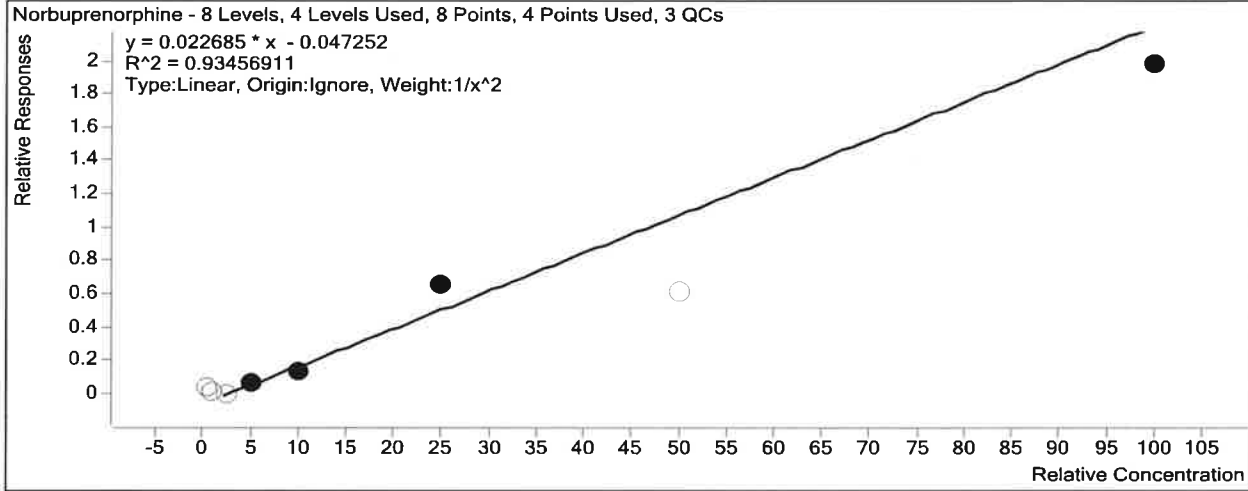
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.3
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	100.9
b QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	4.5	45.2
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.8	99.2
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.6	97.1
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	90.9	90.9
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	32.1	32.1
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	274.3	109.7
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	67.0	26.8
b cal 7-500ng	7	<input type="checkbox"/>	500	211.7	42.3 - Peak cut-off- TS
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1019.3	101.9
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	319.9	32.0

# ISP Forensics Calibration Curve Report

TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\082818 MDQ P1 TS worklist 2667\QuantResults\P1b MDQ worklist 2667 TS.batch.bin  
**Last Calib Update** 8/31/2018 11:16 AM **Analyst Name** ISP TOX

**Target Compound** Norbuprenorphine  
**Internal Standard** Norbuprenorphine-D3



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input type="checkbox"/>	0.5	3.7	742.3
b cal 2-10ng	2	<input type="checkbox"/>	1	2.8	276.3
b cal 2-10ng	2	<input type="checkbox"/>	1	2.8	276.3
b cal 3-25ng	3	<input type="checkbox"/>	2.5	2.3	93.6
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	5.3	105.2
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	8.1	80.7
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	10	2.6	26.3
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	31.2	125.0
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	25	13.5	53.8
b cal 7-500ng	7	<input type="checkbox"/>	50	29.4	58.8
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	89.1	89.1
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	100	68.0	68.0

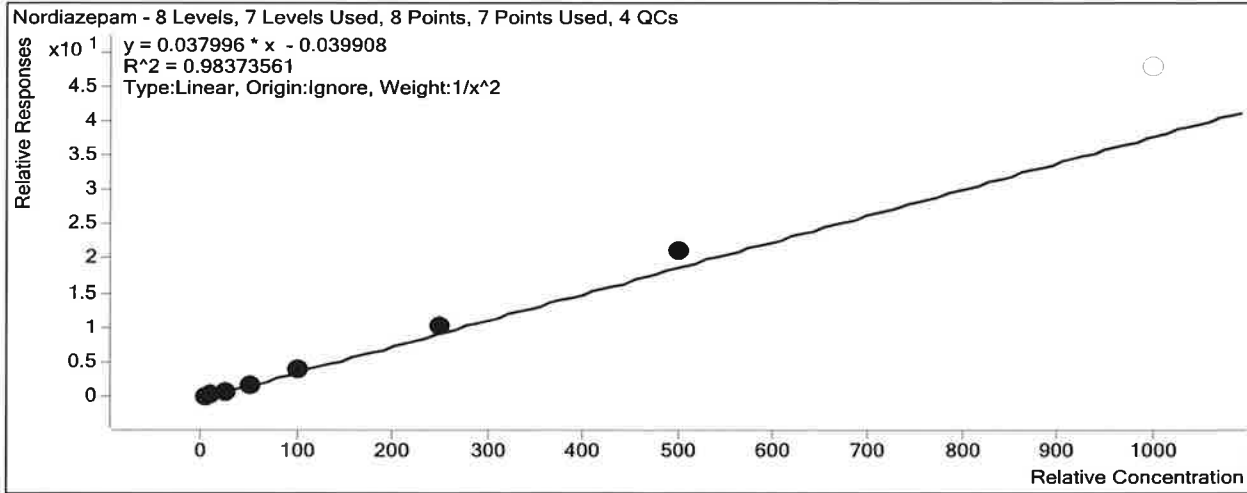
\* Compound not evaluated. - TS

# ISP Forensics Calibration Curve Report

TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\082818 MDQ P1 TS worklist 2667\QuantResults\P1b MDQ worklist 2667 TS.batch.bin  
**Last Calib Update** 8/31/2018 11:16 AM **Analyst Name** ISP TOX

**Target Compound** Nordiazepam  
**Internal Standard** Nordiazepam-D5



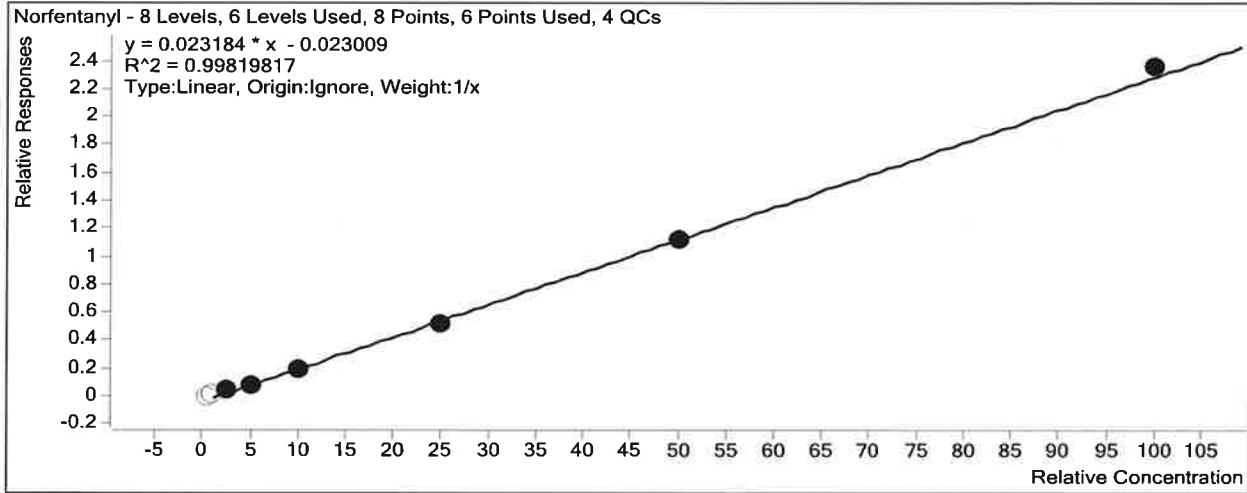
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.4	108.6
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	8.9	89.2
b QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	9.1	91.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	21.6	86.2
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	45.3	90.6
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	104.6	104.6
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	101.7	101.7
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	272.8	109.1
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	256.7	102.7
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	558.4	111.7
b cal 8-1000ng	8	<input type="checkbox"/>	1000	1257.8	125.8
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1193.8	119.4

# ISP Forensics Calibration Curve Report

TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\082818 MDQ P1 TS worklist 2667\QuantResults\P1b MDQ worklist 2667 TS.batch.bin  
**Last Calib Update** 8/31/2018 11:16 AM **Analyst Name** ISP TOX

**Target Compound** *Norfentanyl*  
**Internal Standard** *Norfentanyl-D5*



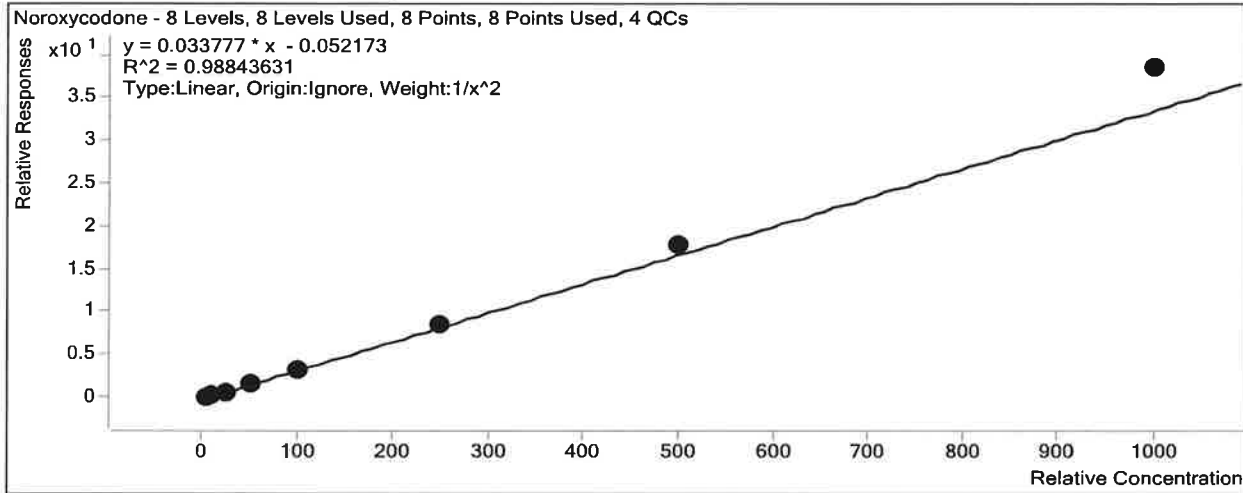
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input type="checkbox"/>	0.5	1.3	262.9
b cal 2-10ng	2	<input type="checkbox"/>	1	1.7	165.5
b QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	1	1.6	160.7
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.9	114.4
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.8	96.6
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.4	93.7
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	10	9.3	93.4
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	23.4	93.8
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	25	23.8	95.1
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	49.5	98.9
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	102.5	102.5
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	100	102.9	102.9

# ISP Forensics Calibration Curve Report

TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\082818 MDQ P1 TS worklist 2667\QuantResults\P1b MDQ worklist 2667 TS.batch.bin  
**Last Calib Update** 8/31/2018 11:16 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.4	107.2
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.3	92.6
b QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	9.3	93.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	21.4	85.6
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.1	92.2
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.3	99.3
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	94.0	94.0
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	257.6	103.1
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	246.9	98.8
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	529.5	105.9
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1140.8	114.1
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1079.8	108.0



# ISP Forensics Calibration Curve Report

TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\082818 MDQ P1 TS worklist 2667\QuantResults\P1b

MDQ worklist 2667 TS.batch.bin

**Last Calib Update**

8/31/2018 11:16 AM

**Analyst Name**

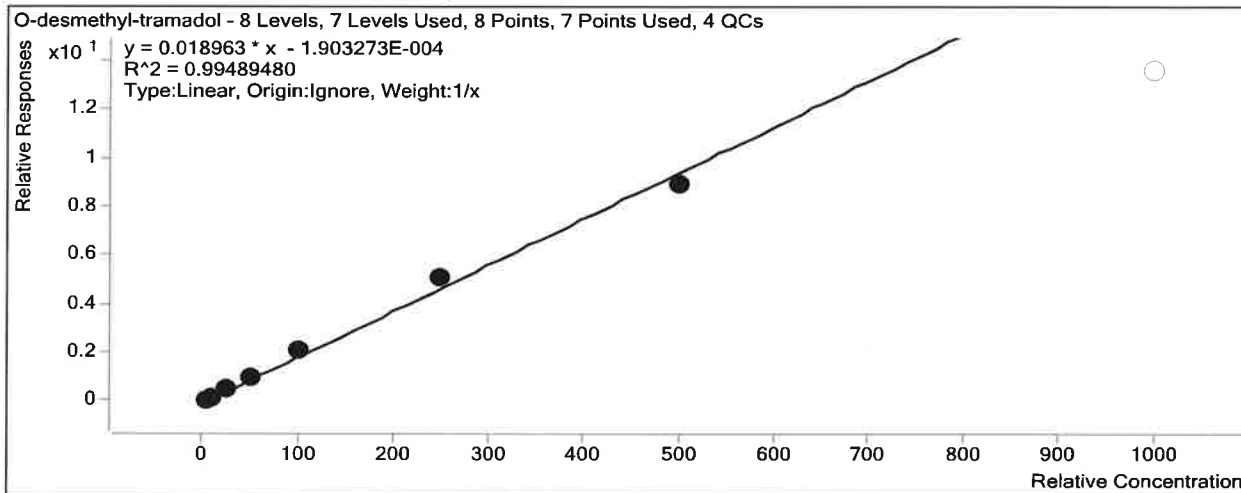
ISP TOX

**Target Compound**

*O-desmethyl-tramadol*

**Internal Standard**

*O-desmethyl-tramadol-D6*



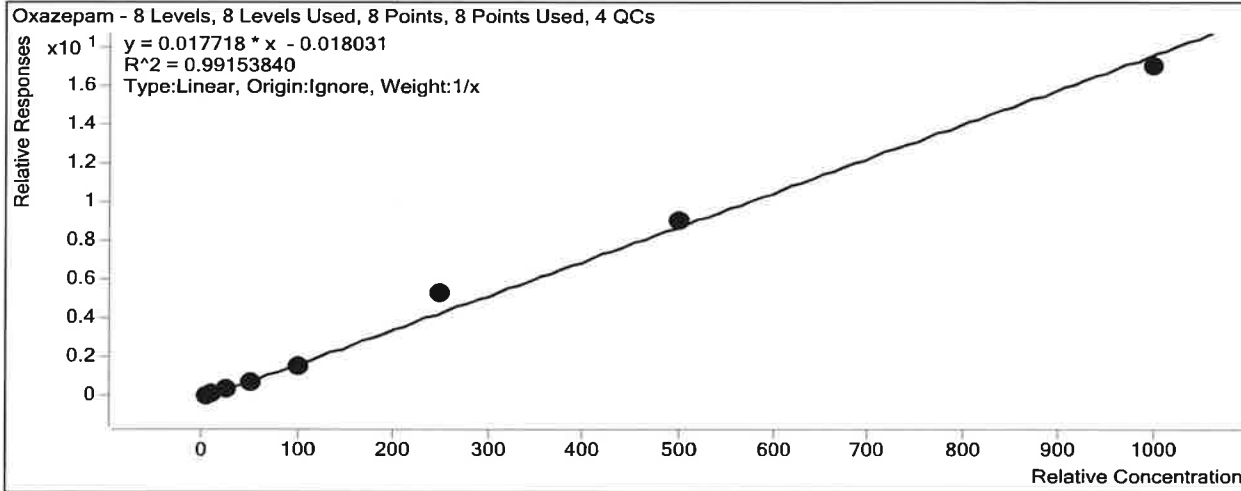
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.5	90.3
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.5	95.0
b QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	9.9	98.6
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.8	99.4
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.2	104.4
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	109.2	109.2
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	107.1	107.1
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	268.9	107.6
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	265.3	106.1
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	470.8	94.2
b cal 8-1000ng	8	<input type="checkbox"/>	1000	716.5	71.7
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	672.6	67.3

# ISP Forensics Calibration Curve Report

TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\082818 MDQ P1 TS worklist 2667\QuantResults\P1b MDQ worklist 2667 TS.batch.bin  
**Last Calib Update** 8/31/2018 11:16 AM **Analyst Name** ISP TOX

**Target Compound** Oxazepam  
**Internal Standard** Oxazepam-D5



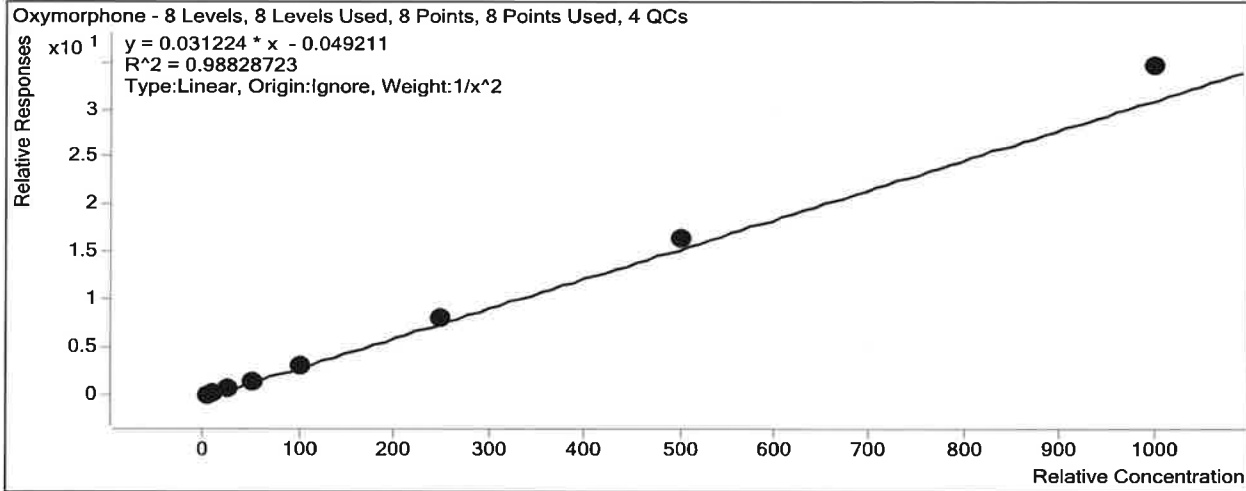
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.5	110.6
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.7	107.2
b QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	8.8	88.3
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.4	93.6
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	41.8	83.7
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	86.6	86.6
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	90.9	90.9
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	299.9	120.0
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	263.8	105.5
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	511.3	102.3
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	960.7	96.1
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1037.7	103.8

# ISP Forensics Calibration Curve Report

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**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\082818 MDQ P1 TS worklist 2667\QuantResults\P1b MDQ worklist 2667 TS.batch.bin  
**Last Calib Update** 8/31/2018 11:16 AM **Analyst Name** ISP TOX

**Target Compound** Oxymorphone  
**Internal Standard** Oxymorphone-D3



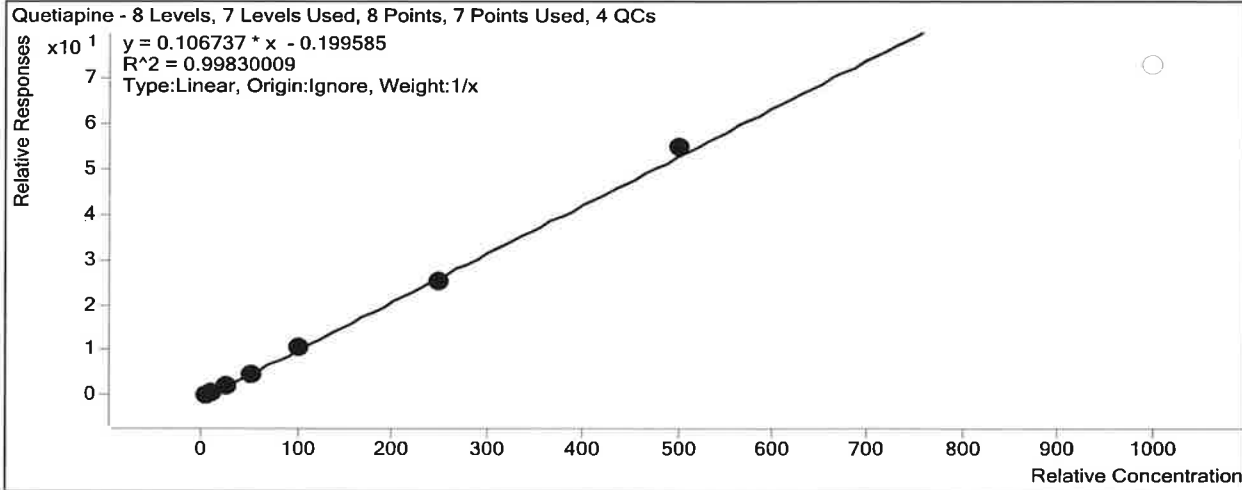
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.4	108.6
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	8.9	89.3
b QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	8.8	87.7
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	21.5	86.1
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.4	92.7
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.6	100.6
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	88.4	88.4
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	263.4	105.4
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	232.8	93.1
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	532.1	106.4
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1108.7	110.9
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	997.3	99.7

# ISP Forensics Calibration Curve Report

TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\082818 MDQ P1 TS worklist 2667\QuantResults\P1b MDQ worklist 2667 TS.batch.bin  
**Last Calib Update** 8/31/2018 11:16 AM **Analyst Name** ISP TOX

**Target Compound** Quetiapine  
**Internal Standard** Quetiapine-D8



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.6	112.3
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	98.6
b QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	10.7	106.7
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.9	95.7
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.1	94.3
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.2	101.2
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	101.3	101.3
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	237.4	95.0
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	291.0	116.4
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	514.9	103.0
b cal 8-1000ng	8	<input type="checkbox"/>	1000	683.4	68.3
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	666.6	66.7

# ISP Forensics Calibration Curve Report

TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\082818 MDQ P1 TS worklist 2667\QuantResults\P1b

**Last Calib Update** MDQ worklist 2667 TS.batch.bin

8/31/2018 11:16 AM

**Analyst Name**

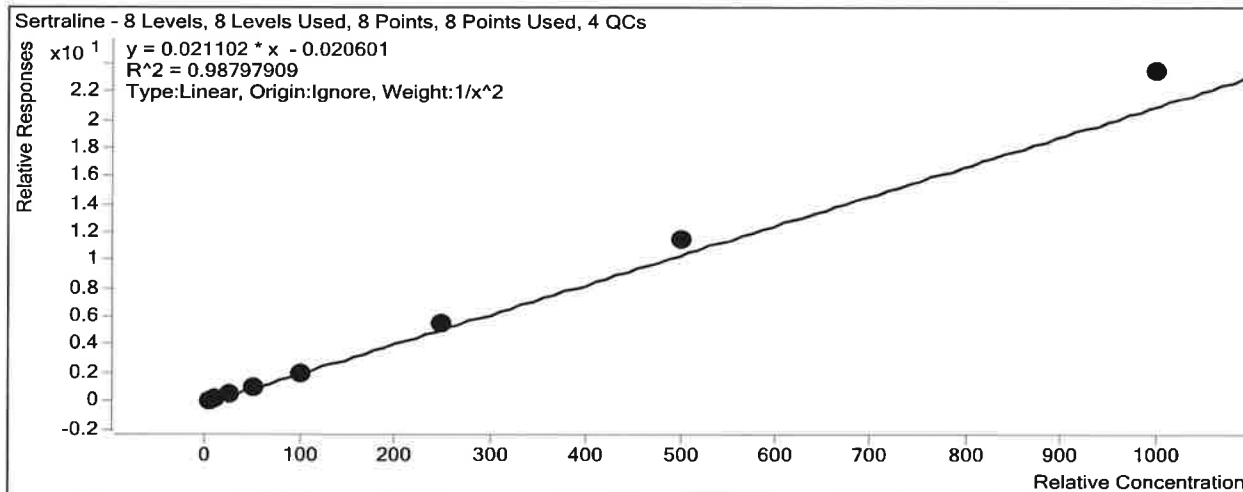
ISP TOX

**Target Compound**

*Sertraline*

**Internal Standard**

*Sertraline-D3*



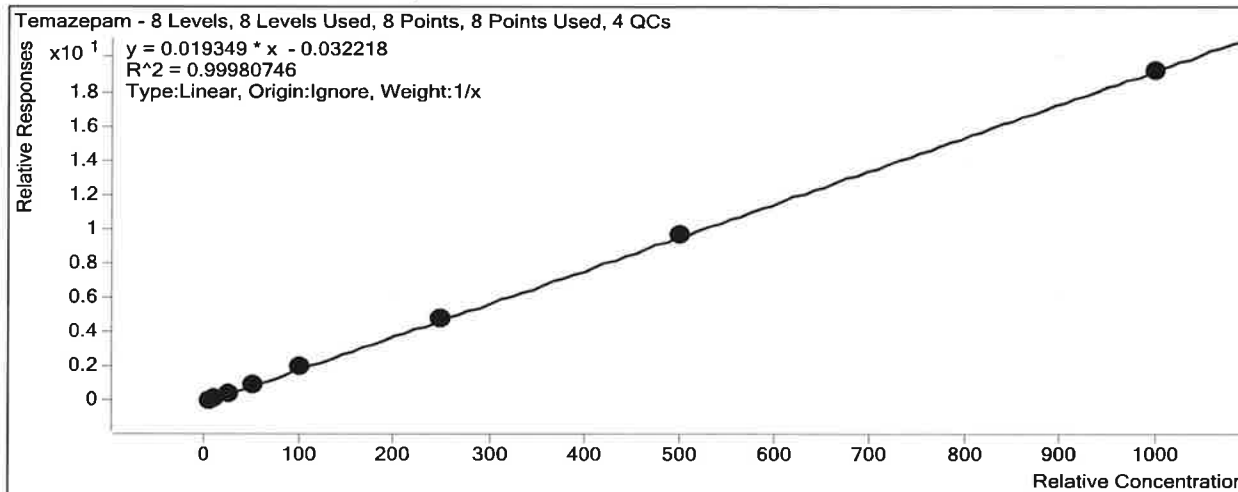
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.4	107.7
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.2	91.6
b QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	10.6	106.1
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	21.7	86.9
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	45.2	90.5
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.8	97.8
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	86.6	86.6
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	261.3	104.5
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	265.5	106.2
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	549.4	109.9
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1112.0	111.2
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1127.6	112.8

# ISP Forensics Calibration Curve Report

TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\082818 MDQ P1 TS worklist 2667\QuantResults\P1b MDQ worklist 2667 TS.batch.bin  
**Last Calib Update** 8/31/2018 11:16 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.5	109.4
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.1	90.6
b QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	9.7	97.2
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.5	98.0
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.2	98.4
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.4	103.4
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	92.3	92.3
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	249.9	100.0
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	247.7	99.1
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	504.2	100.8
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	994.2	99.4
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1015.6	101.6

TS

# ISP FORENSICS - Pocatello Instrument # 59740

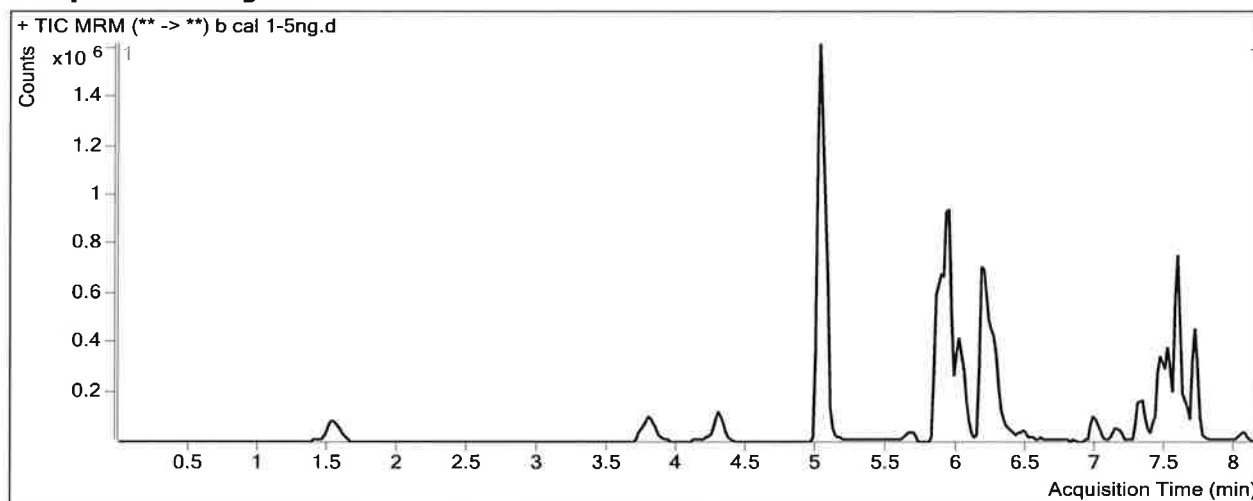
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\082818 MDQ P1 TS worklist 2667\QuantResults\P1b MDQ worklist 2667  
**Analysis Time** 8/31/2018 11:16 AM **Analyst Name** ISPUser  
**Report Time** 8/31/2018 11:20 AM **Reporter Name** ISPUser  
**Last Calib Update** 8/31/2018 11:16 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-08-28 17:17 **Data File** b cal 1-5ng.d  
**Sample Type** Calibration **Sample Name** b cal 1-5ng  
**Dilution** 1 **Acq Method** MD Quant Panel 1b 7-11-18\_volume test.m  
**Position** P1-A1 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28 worklist 2667

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.528	63286	525758	0.1204	5.4312
Dihydrocodeine	Dihydrocodeine-D6	3.850	49151	608758	0.0807	6.1467
Noroxycodone	Noroxycodone-D3	4.331	74934	581427	0.1289	5.3603
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.032	527880	6179869	0.0854	4.5146
Benzoylcegonine	Benzoylcegonine-d8	5.670	5547	55309	0.1003	5.1892
Ketamine	Ketamine-D4	5.881	248825	2692989	0.0924	5.0270
Norfentanyl	Norfentanyl-D5	5.964	22338	2989480	0.0075	1.3147
Cocaine	Cocaine-d3	6.192	87256	2907928	0.0300	6.0515
alpha-PVP	alpha-PVP-d8	6.287	109846	1450488	0.0757	5.2079
Mirtazapine	alpha-PVP-d8	6.480	61745	1450488	0.0426	5.0314
Norbuprenorphine	Norbuprenorphine-D3	6.934	376	10166	0.0369	3.7117
Fentanyl	Fentanyl-D5	6.998	2340	391644	0.0060	1.0670
Mitragynine	EDDP-D3	7.095	15663	194541	0.0805	5.0128
EDDP	EDDP-D3	7.148	12830	194541	0.0659	6.6851
Quetiapine	Quetiapine-D8	7.318	149066	372962	0.3997	5.6144
Buprenorphine	Buprenorphine-D4	7.375	2257	113511	0.0199	1.7755
Cyclobenzaprine	Cyclobenzaprine-D3	7.432	19441	214632	0.0906	6.3762
Methadone	Methadone-D9	7.462	98886	857664	0.1153	5.1089
Fluoxetine	Fluoxetine-D6	7.503	76501	785168	0.0974	6.7146

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

TS

b cal 1-5ng

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Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxazepam	Oxazepam-D5	7.547	13893	173707	0.0800	5.5317
Sertraline	Sertraline-D3	7.563	27385	294479	0.0930	5.3831
Temazepam	Temazepam-D5	7.585	133284	1811426	0.0736	5.4677
Nordiazepam	Nordiazepam-D5	7.655	43779	263209	0.1663	5.4278
Diazepam	Diazepam-D5	7.711	100145	1120972	0.0893	6.0149



TS

# ISP FORENSICS - Pocatello Instrument # 59740

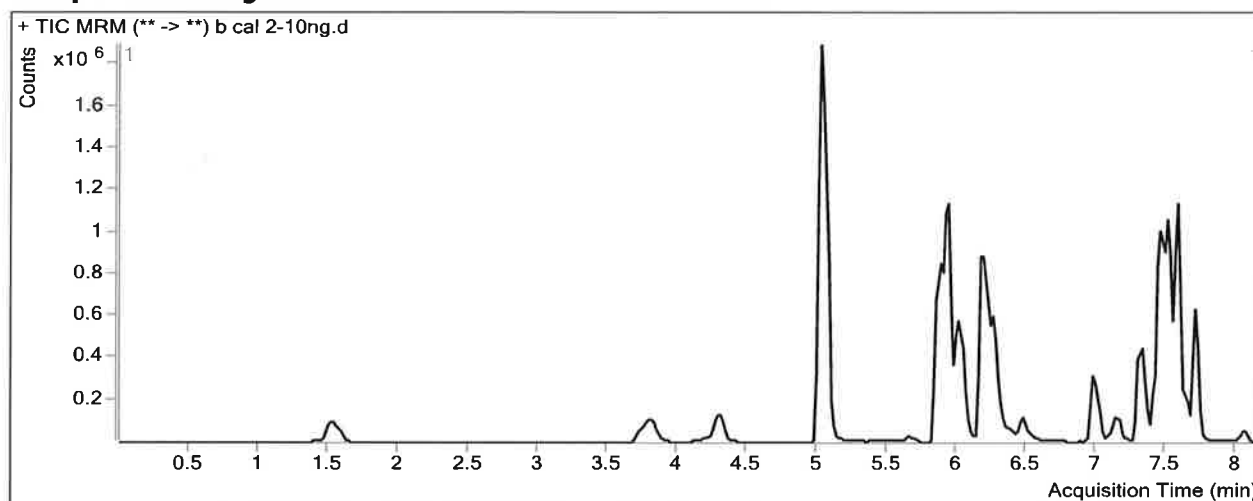
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\082818 MDQ P1 TS worklist 2667\QuantResults\P1b MDQ worklist 2667  
**Analysis Time** 8/31/2018 11:16 AM **Analyst Name** ISPUser  
**Report Time** 8/31/2018 11:20 AM **Reporter Name** ISPUser  
**Last Calib Update** 8/31/2018 11:16 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-08-28 17:48 **Data File** b cal 2-10ng.d  
**Sample Type** Calibration **Sample Name** b cal 2-10ng  
**Dilution** 1 **Acq Method** MD Quant Panel 1b 7-11-18\_volume test.m  
**Position** P1-B1 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28 worklist 2667

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.548	124669	543294	0.2295	8.9253
Dihydrocodeine	Dihydrocodeine-D6	3.850	103345	649373	0.1591	9.7582
Noroxycodone	Noroxycodone-D3	4.331	165123	633822	0.2605	9.2577
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.032	1206977	6708798	0.1799	9.4975
Benzoylcegonine	Benzoylcegonine-d8	5.690	12161	57632	0.2110	9.7098
Ketamine	Ketamine-D4	5.881	621589	2953792	0.2104	10.1347
Norfentanyl	Norfentanyl-D5	5.964	53614	3492350	0.0154	1.6546
Cocaine	Cocaine-d3	6.192	215843	3275329	0.0659	10.4318
alpha-PVP	alpha-PVP-d8	6.267	285064	1808947	0.1576	9.4528
Mirtazapine	alpha-PVP-d8	6.480	227306	1808947	0.1257	9.7810
Norbuprenorphine	Norbuprenorphine-D3	6.934	350	22697	0.0154	2.7631
Fentanyl	Fentanyl-D5	6.998	13277	1103708	0.0120	1.3981
Mitragynine	EDDP-D3	7.095	72538	327452	0.2215	10.0895
EDDP	EDDP-D3	7.148	53305	327452	0.1628	10.7953
Quetiapine	Quetiapine-D8	7.318	568546	666255	0.8533	9.8647
Buprenorphine	Buprenorphine-D4	7.395	12925	273394	0.0473	2.3999
Cyclobenzaprine	Cyclobenzaprine-D3	7.432	134763	668978	0.2014	10.4876
Methadone	Methadone-D9	7.462	530178	2187455	0.2424	9.9223
Fluoxetine	Fluoxetine-D6	7.521	433708	2268232	0.1912	10.6892

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*b cal 2-10ng*

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

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<b>Compound</b>	<b>ISTD Compound</b>	<b>RT</b>	<b>Response</b>	<b>ISTD Resp</b>	<b>Resp Ratio</b>	<b>Final Conc</b>
Oxazepam	Oxazepam-D5	7.527	31252	181739	0.1720	10.7228
Sertraline	Sertraline-D3	7.563	169465	981745	0.1726	9.1563
Temazepam	Temazepam-D5	7.585	281059	1963632	0.1431	9.0623
Nordiazepam	Nordiazepam-D5	7.655	90245	301718	0.2991	8.9223
Diazepam	Diazepam-D5	7.711	242084	1259299	0.1922	9.8251

TS

# ISP FORENSICS - Pocatello Instrument # 59740

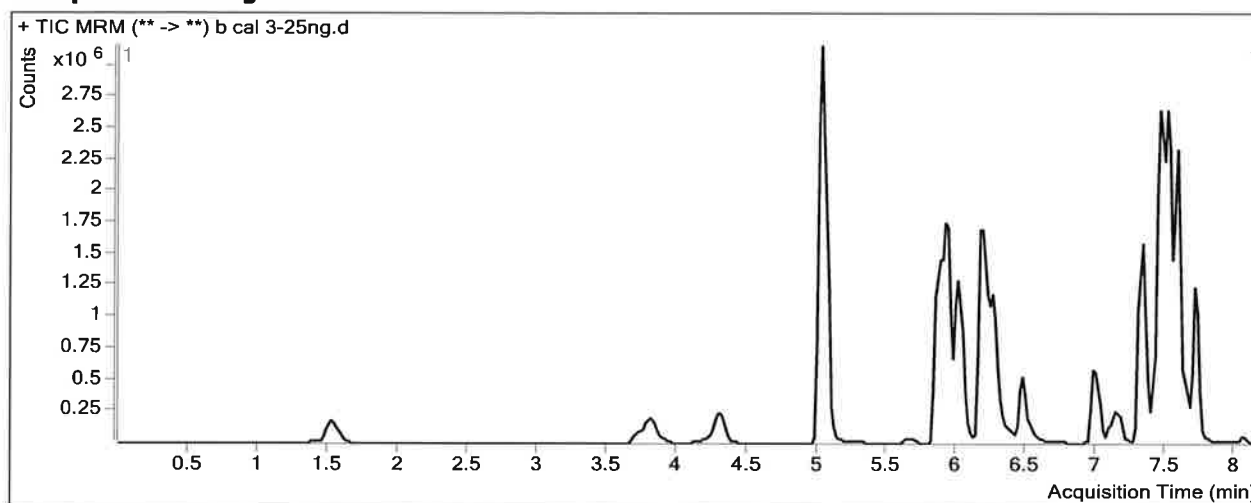
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\082818 MDQ P1 TS worklist 2667\QuantResults\P1b MDQ worklist 2667  
**Analysis Time** 8/31/2018 11:16 AM **Analyst Name** ISPUser  
**Report Time** 8/31/2018 11:20 AM **Reporter Name** ISPUser  
**Last Calib Update** 8/31/2018 11:16 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-08-28 18:20 **Data File** b cal 3-25ng.d  
**Sample Type** Calibration **Sample Name** b cal 3-25ng  
**Dilution** 1 **Acq Method** MD Quant Panel 1b 7-11-18\_volume test.m  
**Position** P1-C1 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28 worklist 2667

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.528	425140	682625	0.6228	21.5226
Dihydrocodeine	Dihydrocodeine-D6	3.830	354480	849944	0.4171	21.6384
Noroxycodone	Noroxycodone-D3	4.311	582854	868659	0.6710	21.4099
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.032	4221884	8965321	0.4709	24.8435
Benzoylcegonine	Benzoylcegonine-d8	5.670	35438	67382	0.5259	22.5700
Ketamine	Ketamine-D4	5.881	2073228	4049009	0.5120	23.1850
Norfentanyl	Norfentanyl-D5	5.964	218321	5039060	0.0433	2.8612
Cocaine	Cocaine-d3	6.169	767177	4906474	0.1564	21.4712
alpha-PVP	alpha-PVP-d8	6.267	1145237	2643193	0.4333	23.7498
Mirtazapine	alpha-PVP-d8	6.480	1146661	2643193	0.4338	27.3966
Norbuprenorphine	Norbuprenorphine-D3	6.974	203	34827	0.0058	2.3396
Fentanyl	Fentanyl-D5	6.998	68428	2022587	0.0338	2.5903
Mitragynine	EDDP-D3	7.095	344829	547347	0.6300	24.7955
EDDP	EDDP-D3	7.148	220168	547347	0.4022	20.9587
Quetiapine	Quetiapine-D8	7.318	2757654	1171936	2.3531	23.9154
Buprenorphine	Buprenorphine-D4	7.375	35935	581820	0.0618	2.7301
Cyclobenzaprine	Cyclobenzaprine-D3	7.432	631854	1243841	0.5080	21.8553
Methadone	Methadone-D9	7.462	2502527	4358544	0.5742	22.4903
Fluoxetine	Fluoxetine-D6	7.521	2121451	4385638	0.4837	23.0870

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

TS

b cal 3-25ng

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Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxazepam	Oxazepam-D5	7.527	99889	251986	0.3964	23.3903
Sertraline	Sertraline-D3	7.563	781766	1786468	0.4376	21.7137
Temazepam	Temazepam-D5	7.585	1129692	2556762	0.4418	24.5001
Nordiazepam	Nordiazepam-D5	7.655	311312	399582	0.7791	21.5549
Diazepam	Diazepam-D5	7.711	897747	1612722	0.5567	23.3194

TS

# ISP FORENSICS - Pocatello Instrument # 59740

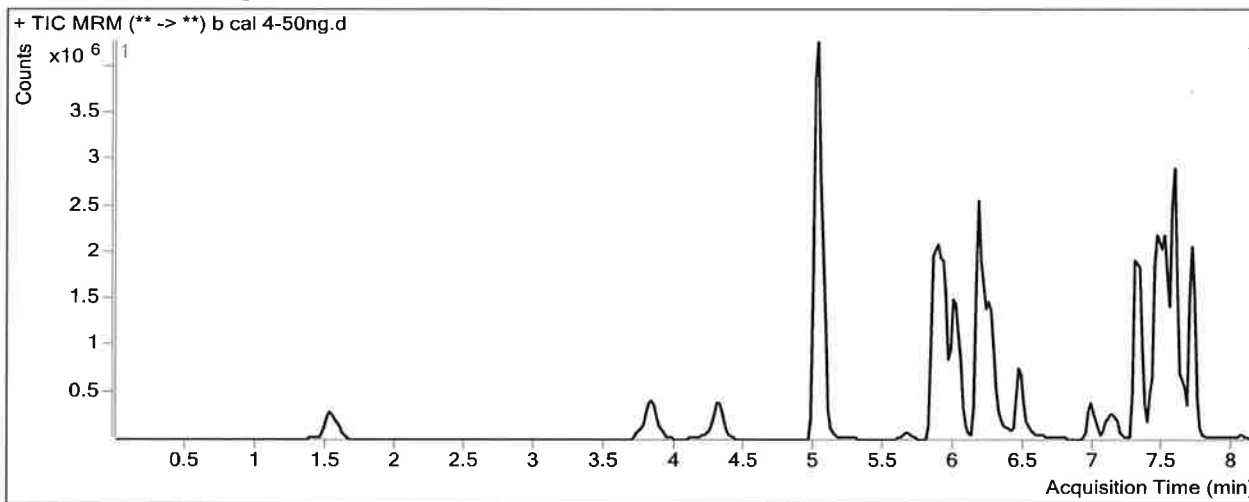
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\082818 MDQ P1 TS worklist 2667\QuantResults\P1b MDQ worklist 2667  
**Analysis Time** 8/31/2018 11:16 AM **Analyst Name** ISPUser  
**Report Time** 8/31/2018 11:20 AM **Reporter Name** ISPUser  
**Last Calib Update** 8/31/2018 11:16 AM **Batch State** Processed

**Analysis Info**

**Acq Time** 2018-08-28 18:51 **Data File** b cal 4-50ng.d  
**Sample Type** Calibration **Sample Name** b cal 4-50ng  
**Dilution** 1 **Acq Method** MD Quant Panel 1b 7-11-18\_volume test.m  
**Position** P1-D1 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28 worklist 2667

**Sample Chromatogram**



**Results**

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.528	995914	712172	1.3984	46.3634
Dihydrocodeine	Dihydrocodeine-D6	3.830	811467	874685	0.9277	45.1606
Noroxycodone	Noroxycodone-D3	4.311	1268190	842669	1.5050	46.1012
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.032	8912526	9001660	0.9901	52.2225
Benzoylcegonine	Benzoylcegonine-d8	5.670	76064	70316	1.0818	45.2669
Ketamine	Ketamine-D4	5.881	4400104	4027250	1.0926	48.3058
Norfentanyl	Norfentanyl-D5	5.944	406815	4573148	0.0890	4.8295
Cocaine	Cocaine-d3	6.169	1561848	4337121	0.3601	46.3363
alpha-PVP	alpha-PVP-d8	6.267	2008175	2249811	0.8926	47.5695
Mirtazapine	alpha-PVP-d8	6.460	1709022	2249811	0.7596	46.0212
Norbuprenorphine	Norbuprenorphine-D3	6.914	1500	20816	0.0721	5.2595
Fentanyl	Fentanyl-D5	6.978	92813	1254169	0.0740	4.7872
Mitragynine	EDDP-D3	7.075	504960	391433	1.2900	48.5576
EDDP	EDDP-D3	7.148	384972	391433	0.9835	45.6288
Quetiapine	Quetiapine-D8	7.318	4038178	835815	4.8314	47.1346
Buprenorphine	Buprenorphine-D4	7.375	53796	361648	0.1488	4.7130
Cyclobenzaprine	Cyclobenzaprine-D3	7.432	699368	654397	1.0687	42.6494
Methadone	Methadone-D9	7.462	2923148	2351424	1.2431	47.8302
Fluoxetine	Fluoxetine-D6	7.503	2839136	2608178	1.0886	48.7214

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

TS

b cal 4-50ng

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<b>Compound</b>	<b>ISTD Compound</b>	<b>RT</b>	<b>Response</b>	<b>ISTD Resp</b>	<b>Resp Ratio</b>	<b>Final Conc</b>
Oxazepam	Oxazepam-D5	7.527	211913	292959	0.7234	41.8429
Sertraline	Sertraline-D3	7.563	1167739	1250119	0.9341	45.2420
Temazepam	Temazepam-D5	7.585	2550275	2773334	0.9196	49.1894
Nordiazepam	Nordiazepam-D5	7.655	669195	398104	1.6810	45.2906
Diazepam	Diazepam-D5	7.711	1986344	1659296	1.1971	47.0337

TS

# ISP FORENSICS - Pocatello Instrument # 59740

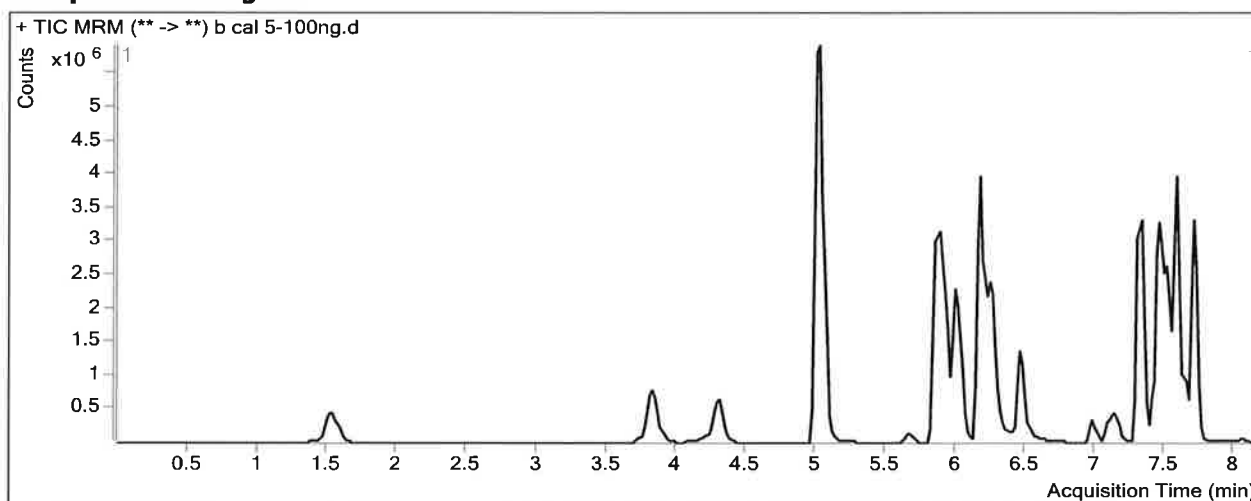
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\082818 MDQ P1 TS worklist 2667\QuantResults\P1b MDQ worklist 2667  
**Analysis Time** 8/31/2018 11:16 AM **Analyst Name** ISPUser  
**Report Time** 8/31/2018 11:20 AM **Reporter Name** ISPUser  
**Last Calib Update** 8/31/2018 11:16 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-08-28 19:23 **Data File** b cal 5-100ng.d  
**Sample Type** Calibration **Sample Name** b cal 5-100ng  
**Dilution** 1 **Acq Method** MD Quant Panel 1b 7-11-18\_volume test.m  
**Position** P1-E1 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28 worklist 2667

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.548	1971774	637456	3.0932	100.6422
Dihydrocodeine	Dihydrocodeine-D6	3.830	1702171	811523	2.0975	99.0430
Noroxycodone	Noroxycodone-D3	4.311	2523754	764097	3.3029	99.3320
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.032	17164903	8291821	2.0701	109.1761
Benzoylcegonine	Benzoylcegonine-d8	5.650	165192	64063	2.5786	106.3907
Ketamine	Ketamine-D4	5.881	8872123	3552923	2.4971	109.0818
Norfentanyl	Norfentanyl-D5	5.944	821948	4231536	0.1942	9.3708
Cocaine	Cocaine-d3	6.169	3083368	4130823	0.7464	93.4812
alpha-PVP	alpha-PVP-d8	6.267	4184522	2227662	1.8784	98.6938
Mirtazapine	alpha-PVP-d8	6.460	3019838	2227662	1.3556	80.0895
Norbuprenorphine	Norbuprenorphine-D3	6.954	2489	18323	0.1358	8.0716
Fentanyl	Fentanyl-D5	6.978	142652	883052	0.1615	9.5744
Mitragynine	EDDP-D3	7.075	800533	324600	2.4662	90.9023
EDDP	EDDP-D3	7.148	721426	324600	2.2225	98.2168
Quetiapine	Quetiapine-D8	7.318	7600087	716860	10.6019	101.1972
Buprenorphine	Buprenorphine-D4	7.375	93477	245383	0.3809	10.0056
Cyclobenzaprine	Cyclobenzaprine-D3	7.432	1370092	555523	2.4663	94.4773
Methadone	Methadone-D9	7.462	5435782	2024628	2.6848	102.4397
Fluoxetine	Fluoxetine-D6	7.503	4236688	1867039	2.2692	98.7611

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

TS

b cal 5-100ng

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<b>Compound</b>	<b>ISTD Compound</b>	<b>RT</b>	<b>Response</b>	<b>ISTD Resp</b>	<b>Resp Ratio</b>	<b>Final Conc</b>
Oxazepam	Oxazepam-D5	7.527	375633	247730	1.5163	86.5961
Sertraline	Sertraline-D3	7.563	1610532	788057	2.0437	97.8231
Temazepam	Temazepam-D5	7.585	4713204	2393908	1.9688	103.4163
Nordiazepam	Nordiazepam-D5	7.655	1385276	351995	3.9355	104.6269
Diazepam	Diazepam-D5	7.711	3723694	1502852	2.4778	94.4544



TS

# ISP FORENSICS - Pocatello Instrument # 59740

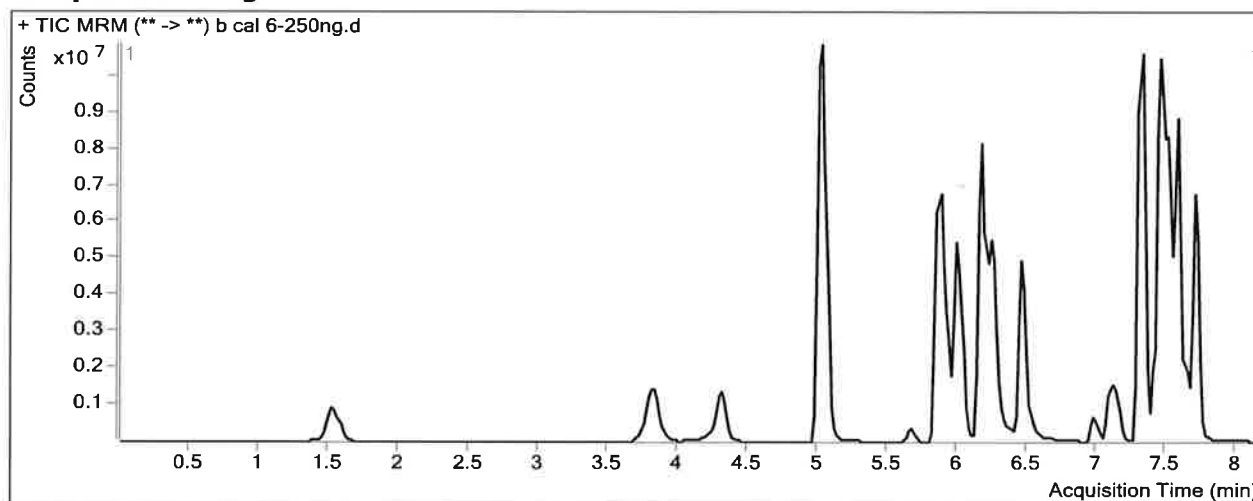
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\082818 MDQ P1 TS worklist 2667\QuantResults\P1b MDQ worklist 2667  
**Analysis Time** 8/31/2018 11:16 AM **Analyst Name** ISPUser  
**Report Time** 8/31/2018 11:20 AM **Reporter Name** ISPUser  
**Last Calib Update** 8/31/2018 11:16 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-08-28 19:54 **Data File** b cal 6-250ng.d  
**Sample Type** Calibration **Sample Name** b cal 6-250ng  
**Dilution** 1 **Acq Method** MD Quant Panel 1b 7-11-18\_volume test.m  
**Position** P1-F1 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28 worklist 2667

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.528	4603899	563097	8.1760	263.4308
Dihydrocodeine	Dihydrocodeine-D6	3.830	4098299	741625	5.5261	256.9722
Noroxycodone	Noroxycodone-D3	4.311	5995464	693092	8.6503	257.6483
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.032	39097628	7666561	5.0998	268.9442
Benzoylcegonine	Benzoylcegonine-d8	5.670	436494	63957	6.8248	279.7843
Ketamine	Ketamine-D4	5.881	21613871	3516889	6.1457	266.9597
Norfentanyl	Norfentanyl-D5	5.944	2202600	4230603	0.5206	23.4491
Cocaine	Cocaine-d3	6.169	7919463	3909098	2.0259	249.6238
alpha-PVP	alpha-PVP-d8	6.267	11013478	2244168	4.9076	255.7821
Mirtazapine	alpha-PVP-d8	6.460	11293077	2244168	5.0322	290.2559
Norbuprenorphine	Norbuprenorphine-D3	6.934	13729	20752	0.6615	31.2459
Fentanyl	Fentanyl-D5	6.998	606900	1474540	0.4116	23.2482
Mitragynine	EDDP-D3	7.075	3421597	452551	7.5607	274.3125
EDDP	EDDP-D3	7.148	2783439	452551	6.1506	264.9365
Quetiapine	Quetiapine-D8	7.318	25075528	997398	25.1410	237.4106
Buprenorphine	Buprenorphine-D4	7.375	404276	402136	1.0053	24.2379
Cyclobenzaprine	Cyclobenzaprine-D3	7.432	5023860	754894	6.6551	249.8117
Methadone	Methadone-D9	7.462	20317271	2965833	6.8504	260.2282
Fluoxetine	Fluoxetine-D6	7.503	16092016	2747092	5.8578	250.8589

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

TS

b cal 6 - 250ng

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<b>Compound</b>	<b>ISTD Compound</b>	<b>RT</b>	<b>Response</b>	<b>ISTD Resp</b>	<b>Resp Ratio</b>	<b>Final Conc</b>
Oxazepam	Oxazepam-D5	7.527	1042308	196805	5.2961	299.9263
Sertraline	Sertraline-D3	7.563	6227567	1133522	5.4940	261.3291
Temazepam	Temazepam-D5	7.585	9525942	1983347	4.8030	249.8870
Nordiazepam	Nordiazepam-D5	7.655	2982526	288887	10.3242	272.7677
Diazepam	Diazepam-D5	7.711	8262059	1259680	6.5589	245.5718

TS

# ISP FORENSICS - Pocatello Instrument # 59740

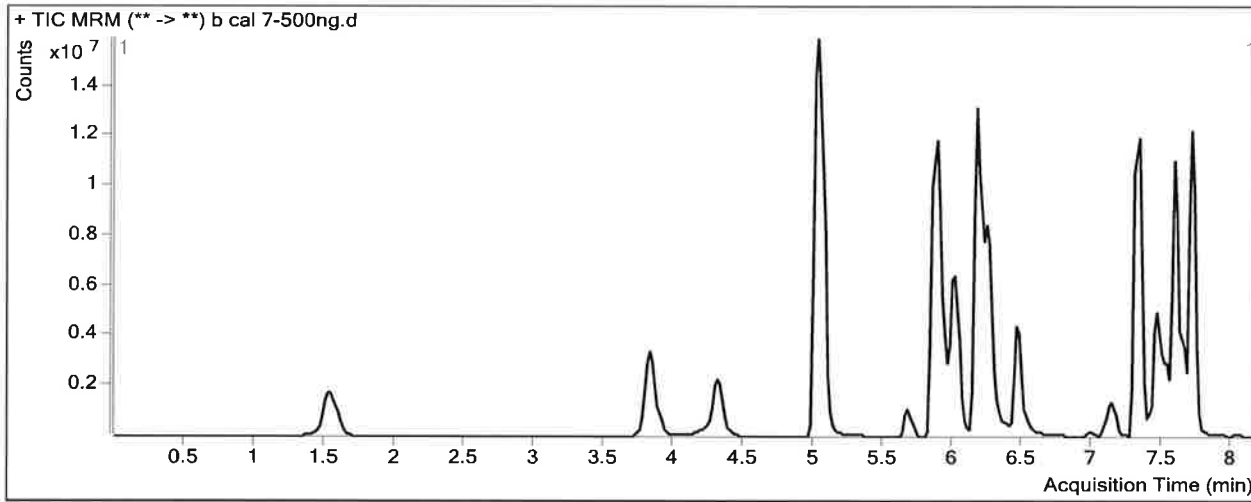
## Multi-Drug Confirmatory Analysis Report

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**Analysis Time** 8/31/2018 11:16 AM **Analyst Name** ISPUser  
**Report Time** 8/31/2018 11:20 AM **Reporter Name** ISPUser  
**Last Calib Update** 8/31/2018 11:16 AM **Batch State** Processed

**Analysis Info**

**Acq Time** 2018-08-28 20:26 **Data File** b cal 7-500ng.d  
**Sample Type** Calibration **Sample Name** b cal 7-500ng  
**Dilution** 1 **Acq Method** MD Quant Panel 1b 7-11-18\_volume test.m  
**Position** P1-G1 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28 worklist 2667

**Sample Chromatogram**



**Results**

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.548	9688527	584911	16.5641	532.0770
Dihydrocodeine	Dihydrocodeine-D6	3.830	8046163	735271	10.9431	506.4915
Noroxycodone	Noroxycodone-D3	4.311	10908439	611672	17.8338	529.5378
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.032	67079617	7513775	8.9276	470.8016
Benzoylcegonine	Benzoylcegonine-d8	5.670	1313248	58257	22.5425	921.6166
Ketamine	Ketamine-D4	5.881	39891124	3304977	12.0700	523.3079
Norfentanyl	Norfentanyl-D5	5.964	3827406	3405651	1.1238	49.4673
Cocaine	Cocaine-d3	6.169	14214820	3383841	4.2008	515.0394
alpha-PVP	alpha-PVP-d8	6.267	17366344	1692758	10.2592	533.3090
Mirtazapine	alpha-PVP-d8	6.460	10023543	1692758	5.9214	341.0879
Norbuprenorphine	Norbuprenorphine-D3	6.914	4255	6871	0.6193	29.3821
Fentanyl	Fentanyl-D5	6.998	184946	206887	0.8939	49.6268
Mitragynine	EDDP-D3	7.095	1313843	225691	5.8214	211.6958
EDDP	EDDP-D3	7.148	2833616	225691	12.5553	536.7750
Quetiapine	Quetiapine-D8	7.318	27880940	509190	54.7554	514.8631
Buprenorphine	Buprenorphine-D4	7.375	140890	76578	1.8398	43.2599
Cyclobenzaprine	Cyclobenzaprine-D3	7.432	1861134	141595	13.1440	490.4476
Methadone	Methadone-D9	7.462	9905287	656241	15.0940	572.4836
Fluoxetine	Fluoxetine-D6	7.503	4317979	341017	12.6621	539.2439

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

TS

b cal 7-500ng

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Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxazepam	Oxazepam-D5	7.527	2113202	233743	9.0407	511.2664
Sertraline	Sertraline-D3	7.563	1627950	140665	11.5732	549.4141
Temazepam	Temazepam-D5	7.585	20525150	2110629	9.7247	504.2453
Nordiazepam	Nordiazepam-D5	7.655	6475602	305767	21.1782	558.4294
Diazepam	Diazepam-D5	7.711	16604289	1235249	13.4421	500.4464

TS

# ISP FORENSICS - Pocatello Instrument # 59740

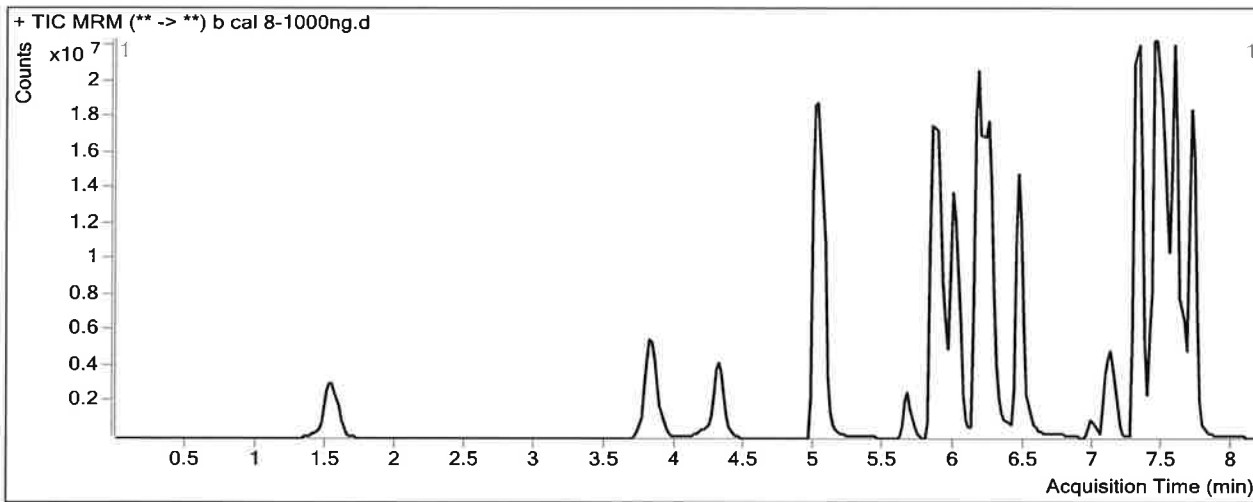
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\082818 MDQ P1 TS worklist 2667\QuantResults\P1b MDQ worklist 2667  
**Analysis Time** 8/31/2018 11:16 AM **Analyst Name** ISPUser  
**Report Time** 8/31/2018 11:20 AM **Reporter Name** ISPUser  
**Last Calib Update** 8/31/2018 11:16 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-08-28 20:57 **Data File** b cal 8-1000ng.d  
**Sample Type** Calibration **Sample Name** b cal 8-1000ng  
**Dilution** 1 **Acq Method** MD Quant Panel 1b 7-11-18\_volume test.m  
**Position** P1-H1 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28 worklist 2667

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.548	18133836	524556	34.5699	1108.7497
Dihydrocodeine	Dihydrocodeine-D6	3.830	15260497	708342	21.5440	994.7893
Noroxycodone	Noroxycodone-D3	4.311	20202942	525040	38.4788	1140.7610
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.032	94174677	6931172	13.5871	716.5225
Benzoylcegonine	Benzoylcegonine-d8	5.670	3084156	64983	47.4608	1939.1612
Ketamine	Ketamine-D4	5.861	66506534	3265334	20.3675	882.3446
Norfentanyl	Norfentanyl-D5	5.944	7858458	3338545	2.3539	102.5220
Cocaine	Cocaine-d3	6.169	27130403	3326949	8.1547	997.5648
alpha-PVP	alpha-PVP-d8	6.247	36660383	1838997	19.9350	1035.0822
Mirtazapine	alpha-PVP-d8	6.460	33290808	1838997	18.1027	1037.4128
Norbuprenorphine	Norbuprenorphine-D3	6.914	32319	16371	1.9742	89.1107
Fentanyl	Fentanyl-D5	6.978	1769099	864479	2.0464	112.6516
Mitragynine	EDDP-D3	7.075	9386076	332222	28.2524	1019.2531
EDDP	EDDP-D3	7.148	8220325	332222	24.7435	1054.0846
Quetiapine	Quetiapine-D8	7.318	52667049	724046	72.7400	683.3566
Buprenorphine	Buprenorphine-D4	7.375	1089710	234456	4.6478	107.2664
Cyclobenzaprine	Cyclobenzaprine-D3	7.432	14933691	542472	27.5290	1023.8949
Methadone	Methadone-D9	7.462	47844335	1972545	24.2551	919.4968
Fluoxetine	Fluoxetine-D6	7.503	33077199	1458730	22.6753	963.6384

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

TS

b cal 8-1000ng

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Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxazepam	Oxazepam-D5	7.527	3969648	233449	17.0043	960.7236
Sertraline	Sertraline-D3	7.563	13086955	558209	23.4445	1111.9800
Temazepam	Temazepam-D5	7.585	32844071	1710126	19.2056	994.2319
Nordiazepam	Nordiazepam-D5	7.655	10086581	211223	47.7532	1257.8459
Diazepam	Diazepam-D5	7.711	27084474	992352	27.2932	1013.3342