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**REVIEWED**

By Britany Wylie at 9:16 am, Oct 02, 2018

9/28/2018

**Worklist: 2698**

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>	
M2018-4173	1	127412	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
M2018-4314	1	127413	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
M2018-4324	4	127414	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
M2018-4379	1	127415	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
M2018-4429	1	127416	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
M2018-4492	2	127417	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
M2018-4529	3	127418	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
M2018-4626	2	127419	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-2393	1	127420	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-2623	1	127421	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-2647	1	127422	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-2667	1	127423	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-2668	1	127424	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-2682	1	127425	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-2683	1	127426	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-2684	1	127427	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-2685	1	127428	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	

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

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Extraction Date: 09/24/18  
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  
**LCMS-QQQ ID:** 59740  
**Column:** Agilent 120 EC-C18 (2.1x 100-4um)

## 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 0.5M ammonium hydroxide** in wells of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 6. Transfer **300µL of blood+base** mixture to corresponding wells of SLE+ plate.
- 7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent).  
*(Load at 85-100 PSI- Selector to the right) Manifold ID: 067104*
- 8. Wait 5 minutes.
- 9. Add **900uL ethyl acetate**.
- 10. Wait 5 minutes.
- 11. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left)*.
- 12. Add **900uL ethyl acetate**.
- 13. Wait 5 minutes.
- 14. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left)*.
- 15. Remove plate containing eluate. Place on SPE Dry and evaporate to dryness at approx. 35°C.  
*SPE Dry ID: 067103*
- 16. Reconstitute in **100µL 20% MeOH** and heat seal plate with foil. Place in autosampler and run worklist.

## Post-Analytic

- 1. Create batch and process data.  
Worklist path: *C:\MassHunter\Data\2018\MD Quant\ 092418 MDQ TS*  
Batch Name: *P1a MDQ TS*  
*P1b MDQ 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.

TS

COMMENTS:

Curves limited: 6-MAM 1-100

Alpha-hydroxy alprazolam 10-1000

Codeine 10-1000

Lorazepam ~~1-500~~ 5-500 TS

Metoprolol 50-1000

Morphine 5-500

Norhydrocodone 50-1000

Phentermine 25-1000

Tramadol 5-500

Venlafaxine 5-500

Zolpidem 5-500 Zolpidem will be reported qualitatively as a calibration point

TS

Benzoyllecgonine 50-1000

Cyclobenzaprine 5-100

Dihydrocodeine 10-1000

EDDP 5-500

Fentanyl 2.5-100

Ketamine 5-1000

Mirtazapine 5-1000

Mitragynine 25-1000

Nordiazepam 10-1000

Norfentanyl 2.5-100

O-desmethyl tramadol 5-250

Oxazepam 5-500

Quetiapine 5-500

Fluoxetine 25-1000

Not evaluated: Buprenorphine

Amphetamine

Norbuprenorphine



# Idaho State Police Forensic Services

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

Analyst: Tamara Salazar  
Extraction Date: 09/24/18  
Worklist Number: 2698

<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)	182702		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)	092518		09/25/18		*Mobile phase B remade as instrument stopped and depleted original bottle. Checks were ran for retention time shifts before run was resumed.
Needle Rinse--75% LCMS MeOH in LCMS Water	092418		09/24/18		

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**Methanol External Control Solution (Lot:121217)**  
 100 ul each 1 mg/mL stock solution in 9600 ul MeOH

Component	Source	Source Lot Number	Expiration Date
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.

Component	Source	Source Lot Number
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)**

Component	Source	Source Lot Number
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)**

Component	Source	Source Lot Number
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)**

Component	Source	Source Lot Number
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: 092518)**

Component	Source	Source Lot Number
Formic Acid	Fisher	095180B
MeOH (LCMS Grade)	Fisher	177145
Prepared:	09/25/18	
Prepared By:	Tamara Salazar	

B

**Needle Rinse (75% LCMS MeOH in LCMS Water) (Lot: 092418)**

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
MeOH (LCMS Grade)	Fisher	177145
Water (LCMS Grade)	Fisher	182702
Prepared:	09/24/18	
Prepared By:	Tamara Salazar	

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# ISP FORENSICS - Pocatello Instrument # 59740

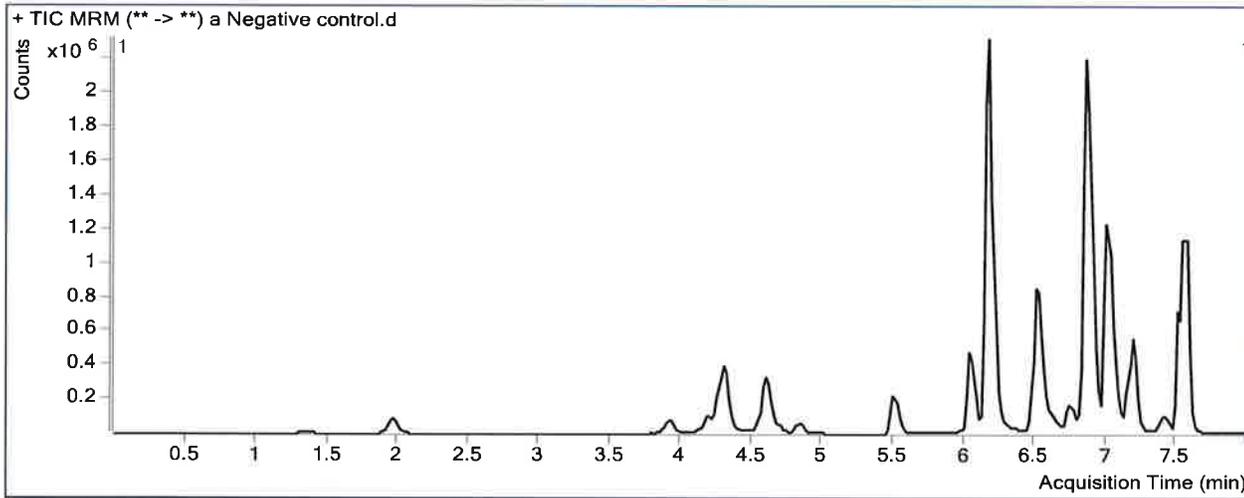
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\092418 MDQ TS\QuantResults\P1a MDQ TS.batch.bin  
**Analysis Time** 9/28/2018 2:00 PM **Analyst Name** ISPUser  
**Report Time** 9/28/2018 2:07 PM **Reporter Name** ISPUser  
**Last Calib Update** 9/28/2018 2:00 PM **Batch State** Processed

**Analysis Info**

**Acq Time** 2018-09-24 18:43 **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-D11 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28

**Sample Chromatogram**



**Results**

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Amphetamine	Amphetamine-D11	4.303	323135	407046	0.7939	0.0000
Methamphetamine	Methamphetamine-D11	4.702	38509	535360	0.0719	2.6629 15 15

TS

# ISP FORENSICS - Pocatello Instrument # 59740

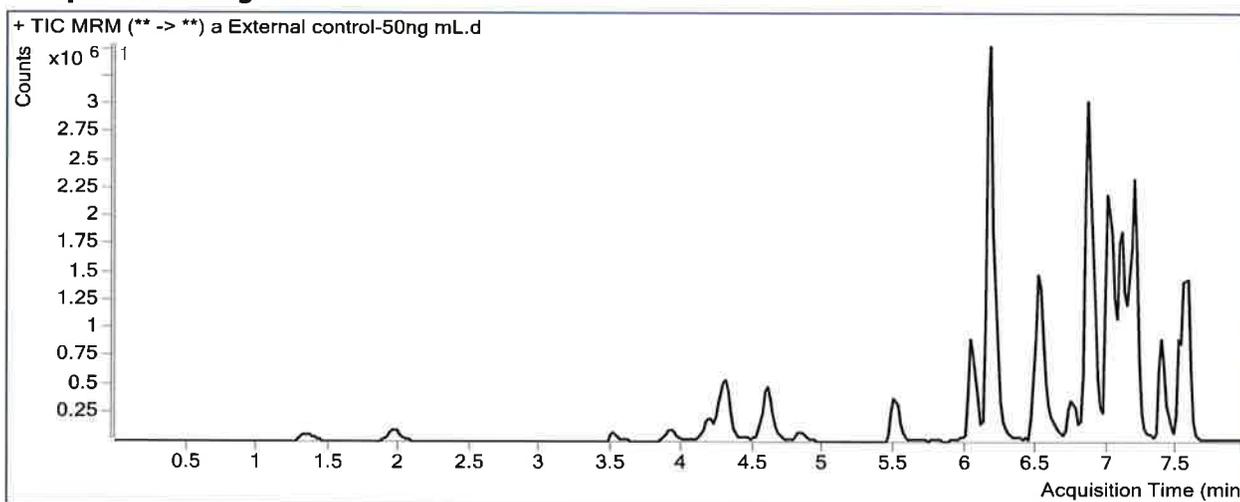
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	C:\MassHunter\Data\2018\MD Quant\092418 MDQ TS\QuantResults\P1a MDQ TS.batch.bin		
<b>Analysis Time</b>	9/28/2018 2:00 PM	<b>Analyst Name</b>	ISPUser
<b>Report Time</b>	9/28/2018 2:07 PM	<b>Reporter Name</b>	ISPUser
<b>Last Calib Update</b>	9/28/2018 2:00 PM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2018-09-24 19:14	<b>Data File</b>	a External control-50ng mL.d
<b>Sample Type</b>	Sample	<b>Sample Name</b>	a External control-50ng mL
<b>Dilution</b>	1	<b>Acq Method</b>	MD Quant Panel 1a 7-11-18_volume test.m
<b>Position</b>	P1-C11	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	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	1.348	218895	77615	2.8203	<u>50.2966</u>
Amphetamine	Amphetamine-D11	4.303	351272	893970	0.3929	0.0000
Oxycodone	Oxycodone-D6	4.551	6843	2830227	0.0024	2.9556 <i>LS</i>
<u>Trazodone</u>	Trazodone-D6	7.096	2816833	2080751	1.3538	<u>41.9764</u>

# ISP FORENSICS - Pocatello Instrument # 59740

## Multi-Drug Confirmatory Analysis Report

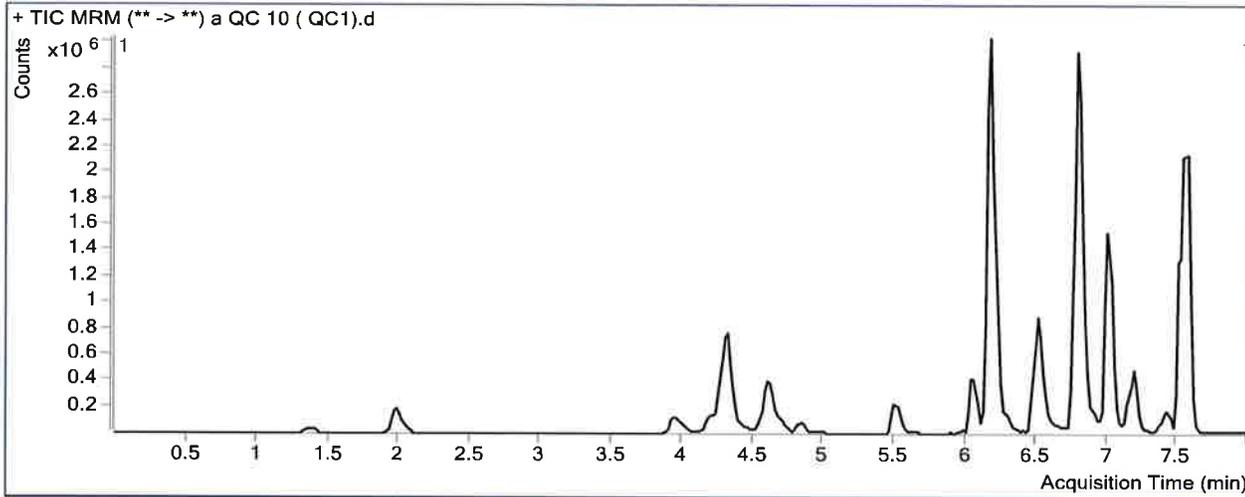
TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\092418 MDQ TS\QuantResults\P1a MDQ TS.batch.bin  
**Analysis Time** 9/28/2018 2:00 PM **Analyst Name** ISUser  
**Report Time** 9/28/2018 2:07 PM **Reporter Name** ISUser  
**Last Calib Update** 9/28/2018 2:00 PM **Batch State** Processed

**Analysis Info**

**Acq Time** 2018-09-25 11:17 **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-H11 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28

**Sample Chromatogram**



**Results**

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.368	44646	94638	0.4718	9.1809
Hydromorphone	Hydromorphone-D6	1.989	160028	731899	0.2186	8.9402
Codeine	Codeine-D6	3.992	68555	352423	0.1945	9.8902
<del>Amphetamine</del>	<del>Amphetamine-D11</del>	<del>4.303</del>	<del>1220524</del>	<del>491037</del>	<del>2.4856</del>	<del>15.4712</del> <i>DNE - TS</i>
Oxycodone	Oxycodone-D6	4.350	544419	2566953	0.2121	10.4944
Hydrocodone	Hydrocodone-D6	4.635	163777	1183695	0.1384	10.1673
<del>Norhydrocodone</del>	<del>Norhydrocodone-D3</del>	<del>4.658</del>	<del>7160</del>	<del>283820</del>	<del>0.0252</del>	<del>30.6152</del> <i>outside curve range. TS</i>
Methamphetamine	Methamphetamine-D11	4.702	195054	644421	0.3027	8.1550
6-MAM	6-MAM-D6	4.849	5862	277705	0.0211	0.9765
<del>Phentermine</del>	<del>Phentermine-D5</del>	<del>5.546</del>	<del>89515</del>	<del>936646</del>	<del>0.0956</del>	<del>13.0331</del> <i>outside curve range. TS</i>
Dextrorphan	Dextrorphan-D3	6.063	130617	1263566	0.1034	9.4936
7-aminoclonazepam	7-Aminoclonazepam-D4	6.154	316106	1492691	0.2118	9.8860
Tramadol	Tramadol-13C-D3	6.203	1543245	9003950	0.1714	9.3647
Metoprolol	Promethazine-D3	6.302	108458	184556	0.5877	0.0000
Doxylamine	Doxylamine-D5	6.502	490601	3225840	0.1521	9.0235
Bupropion	Bupropion-D9	6.751	25048	127784	0.1960	8.1855
Meprobamate	Meprobamate-D7	6.853	167564	635065	0.2639	10.3497
Zolpidem	Zolpidem-D6	6.801	1412313	10485549	0.1347	9.5113
Venlafaxine	Venlafaxine-D6	7.006	806983	3607528	0.2237	10.1562
Trazodone	Trazodone-D6	7.016	119341	450710	0.2648	9.8305

DNE = Did not evaluate - TS

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	7.139	86140	481242	0.1790	9.2210
Dextromethorphan	Dextromethorphan-D3	7.171	18269	78775	0.2319	10.0632
Diphenhydramine	Diphenhydramine-D3	7.194	152503	981839	0.1553	8.8678
Promethazine	Promethazine-D3	7.389	39775	184556	0.2155	9.2753
Clonazepam	Clonazepam-D4	7.425	149021	157619	0.9454	8.5493
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.501	53948	282911	0.1907	13.3293
Carisoprodol	Carisoprodol-D7	7.534	532521	2500530	0.2130	9.8404
Lorazepam	Clonazepam-D4	7.543	60088	157619	0.3812	10.2136
Alprazolam	Alprazolam-D5	7.568	1248910	4258933	0.2932	9.3816

TS

# ISP FORENSICS - Pocatello Instrument # 59740

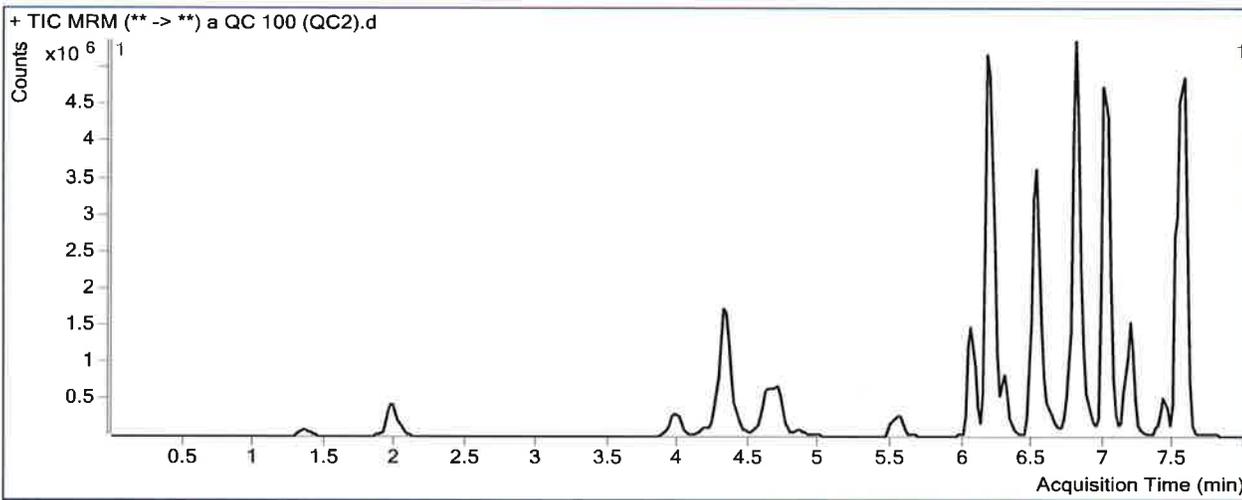
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\092418 MDQ TS\QuantResults\P1a MDQ TS.batch.bin  
**Analysis Time** 9/28/2018 2:00 PM **Analyst Name** ISPUser  
**Report Time** 9/28/2018 2:08 PM **Reporter Name** ISPUser  
**Last Calib Update** 9/28/2018 2:00 PM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-09-25 14:25 **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-G11 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.348	312165	59739	5.2255	92.4051
Hydromorphone	Hydromorphone-D6	1.989	1130745	403898	2.7996	92.2247
Codeine	Codeine-D6	3.972	431960	200302	2.1565	86.0289
<del>Amphetamine</del>	<del>Amphetamine-D11</del>	<del>4.323</del>	<del>3484031</del>	<del>387607</del>	<del>8.9886</del>	<del>100.6796</del>
Oxycodone	Oxycodone-D6	4.350	3551800	1401866	2.5336	93.9669
Hydrocodone	Hydrocodone-D6	4.635	1276943	741795	1.7214	92.3072
Norhydrocodone	Norhydrocodone-D3	4.658	51446	175109	0.2938	90.0559
Methamphetamine	Methamphetamine-D11	4.702	2121740	445364	4.7641	114.3411
6-MAM	6-MAM-D6	4.849	37390	158237	0.2363	9.3092
Phentermine	Phentermine-D5	5.566	909743	781705	1.1638	101.7476
Dextrophan	Dextrophan-D3	6.063	1574114	1272510	1.2370	92.9438
7-aminoclonazepam	7-Aminoclonazepam-D4	6.174	2125248	824476	2.5777	95.9403
Tramadol	Tramadol-13C-D3	6.203	11879431	6302751	1.8848	103.4453
Metoprolol	Promethazine-D3	6.302	1067613	91446	11.6748	253.3016
Doxylamine	Doxylamine-D5	6.522	6249479	3476827	1.7975	105.9620
Bupropion	Bupropion-D9	6.771	754596	235183	3.2086	96.9944
Meprobamate	Meprobamate-D7	6.853	965804	308199	3.1337	98.9129
Zolpidem	Zolpidem-D6	6.801	10631329	6339441	1.6770	104.5911
Venlafaxine	Venlafaxine-D6	7.006	7921510	3125009	2.5349	100.9685
Trazodone	Trazodone-D6	7.016	1493033	497195	3.0029	90.6584

Not evaluated.  
TS

TS

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

a QC 100 (QC2)

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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>
Citalopram	Citalopram-D6	7.159	923672	461866	1.9999	88.2444
Dextromethorphan	Dextromethorphan-D3	7.191	193204	68527	2.8194	101.4466
Diphenhydramine	Diphenhydramine-D3	7.194	2021948	1024448	1.9737	91.1710
Promethazine	Promethazine-D3	7.389	234006	91446	2.5590	89.1269
Clonazepam	Clonazepam-D4	7.425	1131202	81309	13.9125	105.5703
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.501	351540	143416	2.4512	88.9955
Carisoprodol	Carisoprodol-D7	7.534	3251825	1292786	2.5154	105.3255
Lorazepam	Clonazepam-D4	7.543	309524	81309	3.8068	85.5431
Alprazolam	Alprazolam-D5	7.568	7454491	2344824	3.1791	101.9938

TS

# ISP FORENSICS - Pocatello Instrument # 59740

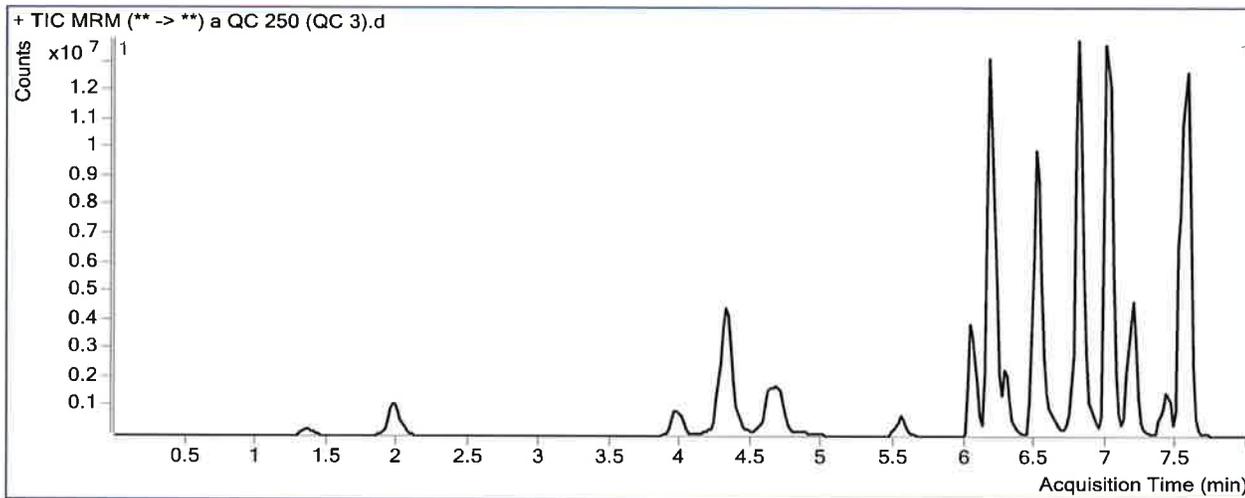
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\092418 MDQ TS\QuantResults\P1a MDQ TS.batch.bin  
**Analysis Time** 9/28/2018 2:00 PM **Analyst Name** ISPUser  
**Report Time** 9/28/2018 2:09 PM **Reporter Name** ISPUser  
**Last Calib Update** 9/28/2018 2:00 PM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-09-25 18:05 **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-F11 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.368	932525	54214	17.2007	302.0564
Hydromorphone	Hydromorphone-D6	1.989	3452782	444712	7.7641	252.4251
Codeine	Codeine-D6	3.972	1358208	206985	6.5619	256.9838
<del>Amphetamine</del>	<del>Amphetamine-D11</del>	<del>4.303</del>	<del>8881631</del>	<del>422435</del>	<del>21.0248</del>	<del>258.3909</del>
Oxycodone	Oxycodone-D6	4.330	11304645	1669881	6.7697	246.2790
Hydrocodone	Hydrocodone-D6	4.615	4016793	894142	4.4923	236.0813
Norhydrocodone	Norhydrocodone-D3	4.658	188201	186564	1.0088	248.3002
Methamphetamine	Methamphetamine-D11	4.702	5099091	489612	10.4145	248.8293
6-MAM	6-MAM-D6	4.849	113658	175818	0.6465	25.1923
Phentermine	Phentermine-D5	5.546	2435319	808663	3.0115	255.1999
Dextrophan	Dextrophan-D3	6.043	4931151	1403349	3.5138	260.5468
7-aminoclonazepam	7-Aminoclonazepam-D4	6.154	6106365	887775	6.8783	252.3626
Tramadol	Tramadol-13C-D3	6.180	35273043	7442796	4.7392	260.1775
Metoprolol	Promethazine-D3	6.302	3088522	213112	14.4925	321.3476
Doxylamine	Doxylamine-D5	6.502	18150949	3827661	4.7420	279.4434
Bupropion	Bupropion-D9	6.751	936441	128428	7.2916	217.3612
Meprobamate	Meprobamate-D7	6.853	3023960	350227	8.6343	268.6608
Zolpidem	Zolpidem-D6	6.801	32465765	7340630	4.4227	273.8579
Venlafaxine	Venlafaxine-D6	7.006	24767304	3625982	6.8305	269.7551
Trazodone	Trazodone-D6	7.016	6522050	781586	8.3446	248.3430

Not evaluated. TS

TS

# ISP FORENSICS - Pocatello Instrument # 59740

## Multi-Drug Confirmatory Analysis Report

a QC 250 (QC3)

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.159	3777727	632934	5.9686	260.4818
Dextromethorphan	Dextromethorphan-D3	7.171	873499	124963	6.9901	248.7443
Diphenhydramine	Diphenhydramine-D3	7.194	7015172	1370316	5.1194	233.5514
Promethazine	Promethazine-D3	7.389	1449630	213112	6.8022	233.7130
Clonazepam	Clonazepam-D4	7.425	3451360	94235	36.6252	275.5102
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.501	1100124	162892	6.7537	233.0143
Carisoprodol	Carisoprodol-D7	7.534	9276538	1427711	6.4975	270.4726
Lorazepam	Clonazepam-D4	7.543	975749	94235	10.3545	229.5293
Alprazolam	Alprazolam-D5	7.568	21411668	2414664	8.8674	284.5375

TS

# ISP FORENSICS - Pocatello Instrument # 59740

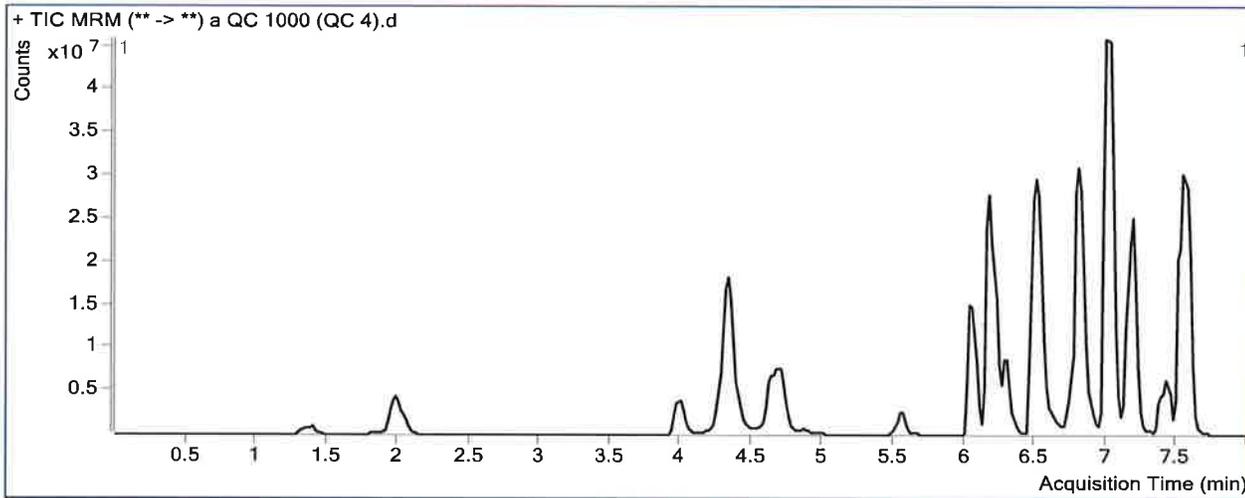
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\092418 MDQ TS\QuantResults\P1a MDQ TS.batch.bin  
**Analysis Time** 9/28/2018 2:00 PM **Analyst Name** ISPUser  
**Report Time** 9/28/2018 2:09 PM **Reporter Name** ISPUser  
**Last Calib Update** 9/28/2018 2:00 PM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-09-25 20:26 **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-E11 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
<del>Morphine</del>	<del>Morphine-D6</del>	<del>1.368</del>	<del>3699044</del>	<del>51862</del>	<del>71.3249</del>	<del>1249.6122</del> <i>outside curve range. TS</i>
Hydromorphone	Hydromorphone-D6	1.989	14262434	407040	35.0394	1132.5756
Codeine	Codeine-D6	3.992	5325090	193160	27.5682	1072.1631
<del>Amphetamine</del>	<del>Amphetamine-D11</del>	<del>4.323</del>	<del>34378346</del>	<del>500115</del>	<del>68.7409</del>	<del>883.6150</del> <i>Not evaluated. TS</i>
Oxycodone	Oxycodone-D6	4.330	49650332	1687331	29.4254	1060.8779
Hydrocodone	Hydrocodone-D6	4.635	17549616	884386	19.8438	1032.6204
Norhydrocodone	Norhydrocodone-D3	4.678	856340	174529	4.9066	1110.9895
Methamphetamine	Methamphetamine-D11	4.702	22298968	517795	43.0652	1025.9539
6-MAM	6-MAM-D6	4.849	524214	173147	3.0276	117.3980
Phentermine	Phentermine-D5	5.546	11548781	923249	12.5089	1043.9377
Dextrophan	Dextrophan-D3	6.043	23019840	1566169	14.6982	1083.8529
7-aminoclonazepam	7-Aminoclonazepam-D4	6.154	23097717	853896	27.0498	986.0484
<del>Tramadol</del>	<del>Tramadol-13C-D3</del>	<del>6.180</del>	<del>86397412</del>	<del>6912261</del>	<del>12.4992</del>	<del>686.2648</del> <i>outside curve range. TS</i>
Metoprolol	Promethazine-D3	6.302	13176941	352675	37.3628	873.6622
Doxylamine	Doxylamine-D5	6.502	74517759	4939645	15.0857	888.8417
Bupropion	Bupropion-D9	6.751	6962230	205976	33.8012	998.8605
Meprobamate	Meprobamate-D7	6.853	11804352	290791	40.5939	1254.9306
Zolpidem	Zolpidem-D6	6.801	85157884	7074878	12.0367	743.2338 <i>outside curve range. TS</i>
<del>Venlafaxine</del>	<del>Venlafaxine-D6</del>	<del>7.006</del>	<del>76931147</del>	<del>4331498</del>	<del>17.7609</del>	<del>699.2370</del> <i>outside curve range. TS</i>
Trazodone	Trazodone-D6	7.016	40990662	1342685	30.5289	903.2087 <i>curve range. TS</i>

TS

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

*a QC 1000 (QC 4)*

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.139	22904753	966800	23.6913	1029.6225
Dextromethorphan	Dextromethorphan-D3	7.171	5895128	169661	34.7466	1229.0387
Diphenhydramine	Diphenhydramine-D3	7.194	41090610	2092778	19.6345	890.5343
Promethazine	Promethazine-D3	7.389	10506624	352675	29.7912	1017.0502
Clonazepam	Clonazepam-D4	7.425	14034494	100685	139.3903	1044.4129
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.501	4702221	168769	27.8620	939.5763
Carisoprodol	Carisoprodol-D7	7.534	27385856	1109892	24.6743	1024.3033
<del>Lorazepam</del>	<del>Clonazepam-D4</del>	<del>7.543</del>	<del>5322335</del>	<del>100685</del>	<del>52.8613</del>	<del>1164.2720</del>
Alprazolam	Alprazolam-D5	7.568	53302267	1749603	30.4653	977.6498

*Outside conc  
range. TS*

# ISP Forensics Calibration Curve Report

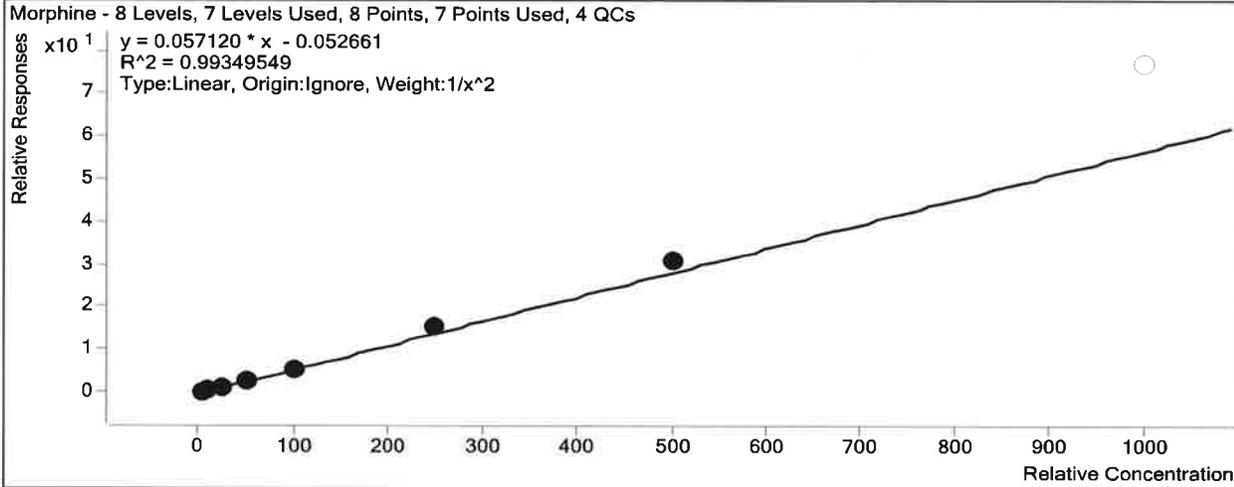
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**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\092418 MDQ TS\QuantResults\P1a MDQ TS.batch.bin

**Last Calib Update** 9/28/2018 2:00 PM

**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	5.0	100.9
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.3	102.8
a QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	9.2	91.8
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.1	92.3
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.3	92.6
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	95.1	95.1
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	92.4	92.4
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	268.8	107.5
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	302.1	120.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	543.9	108.8
a cal 8-1000ng	8	<input type="checkbox"/>	1000	1347.8	134.8
a QC 1000 (QC 4)	8	<input type="checkbox"/>	1000	1249.6	125.0

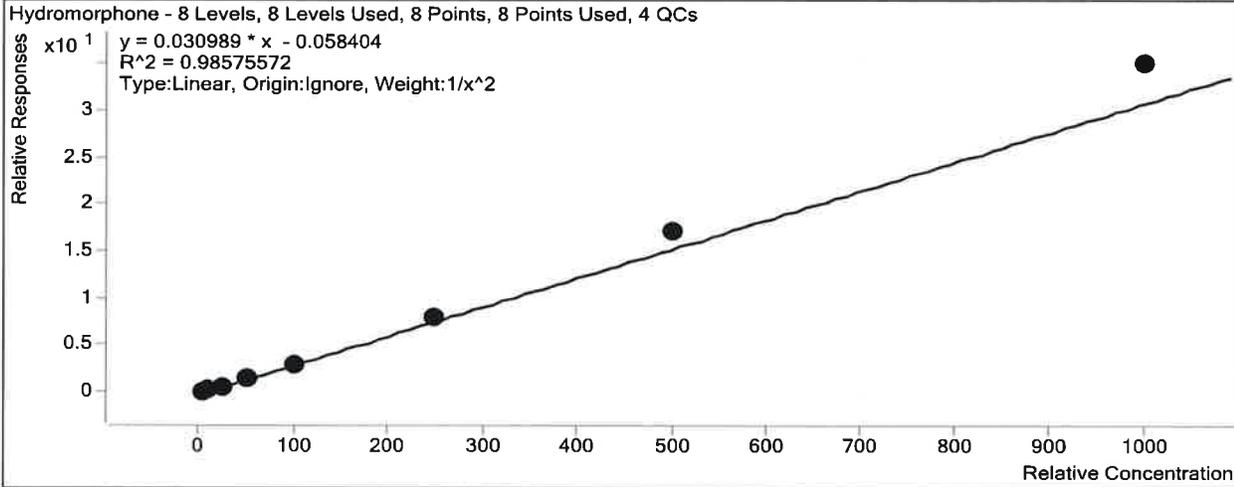
# ISP Forensics Calibration Curve Report

IS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\092418 MDQ TS\QuantResults\P1a MDQ TS.batch.bin

**Last Calib Update** 9/28/2018 2:00 PM      **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	5.3	107.0
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.4	94.2
a QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	8.9	89.4
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	20.7	82.7
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.1	94.1
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	93.6	93.6
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	92.2	92.2
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	261.4	104.6
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	252.4	101.0
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	553.7	110.7
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1130.2	113.0
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1132.6	113.3

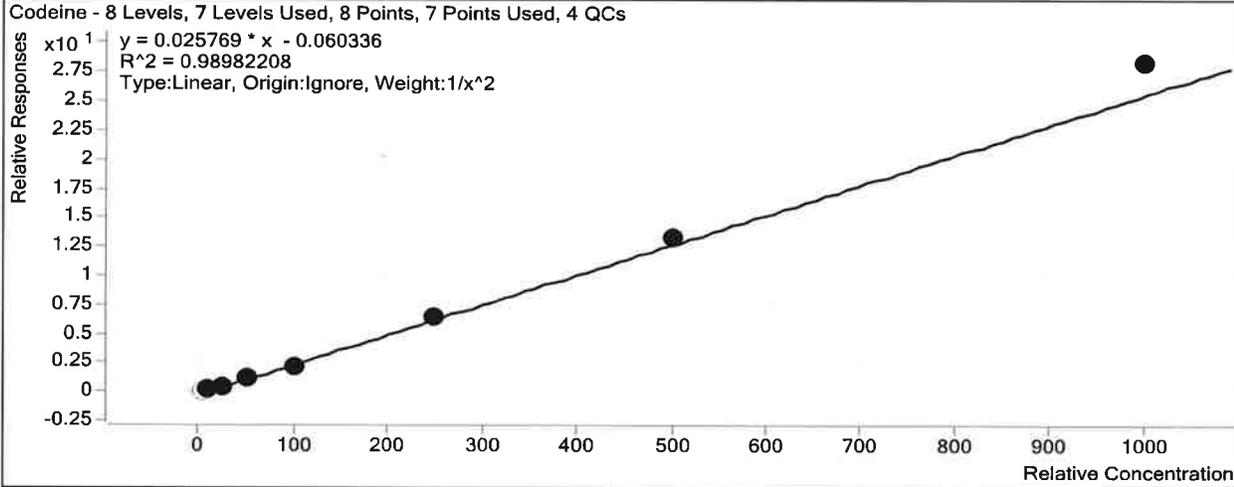
# ISP Forensics Calibration Curve Report

D

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\092418 MDQ TS\QuantResults\P1a MDQ TS.batch.bin

**Last Calib Update** 9/28/2018 2:00 PM      **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 type="checkbox"/>	5	7.5	149.8
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.5	105.2
a QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	9.9	98.9
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.0	87.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.4	102.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	87.7	87.7
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	86.0	86.0
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	255.8	102.3
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	257.0	102.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	521.2	104.2
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1098.6	109.9
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1072.2	107.2

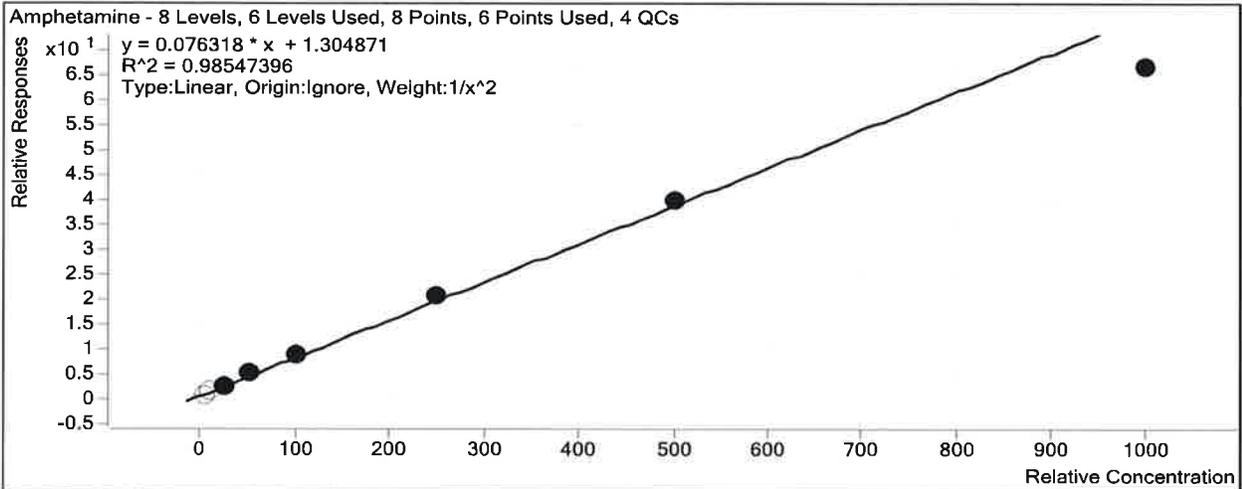
# ISP Forensics Calibration Curve Report

TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\092418 MDQ TS\QuantResults\P1a MDQ TS.batch.bin

**Last Calib Update** 9/28/2018 2:00 PM      **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	0.0	0.0
a cal 2-10ng	2	<input type="checkbox"/>	10	7.8	77.5
a QC 10 (QC1)	2	<input type="checkbox"/>	10	15.5	154.7
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.1	92.4
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	56.8	113.6
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.4	102.4
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	100.7	100.7
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	261.0	104.4
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	258.4	103.4
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	506.7	101.3
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	857.7	85.8
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	883.6	88.4

\* Compound not evaluated. - TS

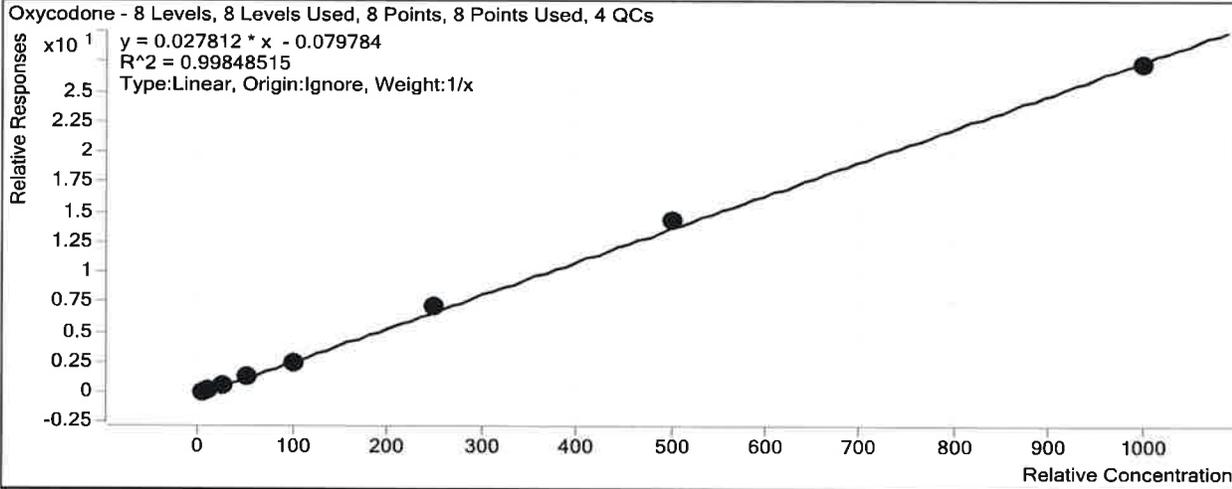
# ISP Forensics Calibration Curve Report

TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\092418 MDQ TS\QuantResults\P1a MDQ TS.batch.bin

**Last Calib Update** 9/28/2018 2:00 PM      **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	6.0	120.3
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.2	102.3
a QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	10.5	104.9
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	20.6	82.4
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.4	94.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	94.2	94.2
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	94.0	94.0
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	260.7	104.3
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	246.3	98.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	516.2	103.2
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	984.6	98.5
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1060.9	106.1

# ISP Forensics Calibration Curve Report

TS

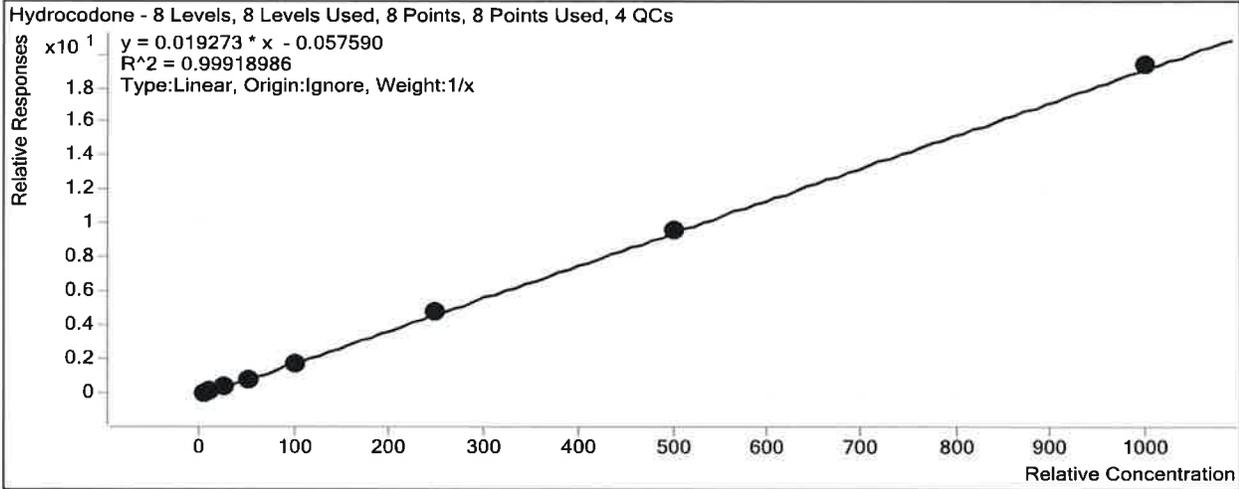
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**Last Calib Update** 9/28/2018 2:00 PM

**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	6.1	122.8
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.2	101.9
a QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	10.2	101.7
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	21.9	87.7
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.0	91.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	93.8	93.8
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	92.3	92.3
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	251.1	100.4
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	236.1	94.4
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	503.7	100.7
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1007.1	100.7
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1032.6	103.3

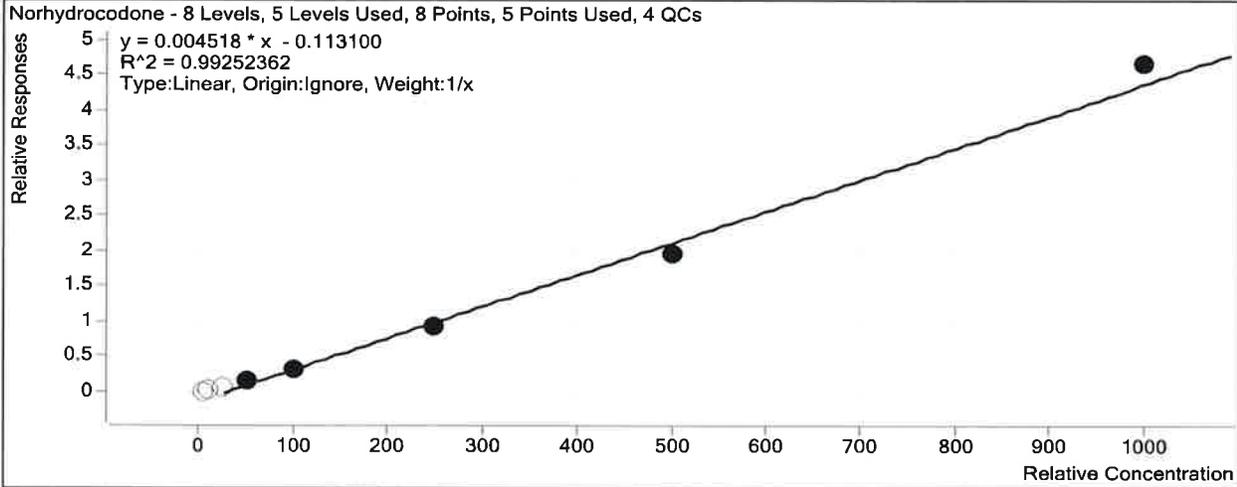
# ISP Forensics Calibration Curve Report

TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\092418 MDQ TS\QuantResults\P1a MDQ TS.batch.bin

**Last Calib Update** 9/28/2018 2:00 PM **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	27.2	544.9
a cal 2-10ng	2	<input type="checkbox"/>	10	31.6	316.2
a QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	30.6	306.2
a cal 3-25ng	3	<input type="checkbox"/>	25	41.8	167.2
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	57.2	114.4
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	95.3	95.3
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	90.1	90.1
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	232.4	93.0
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	248.3	99.3
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	458.2	91.6
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1056.9	105.7
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1111.0	111.1

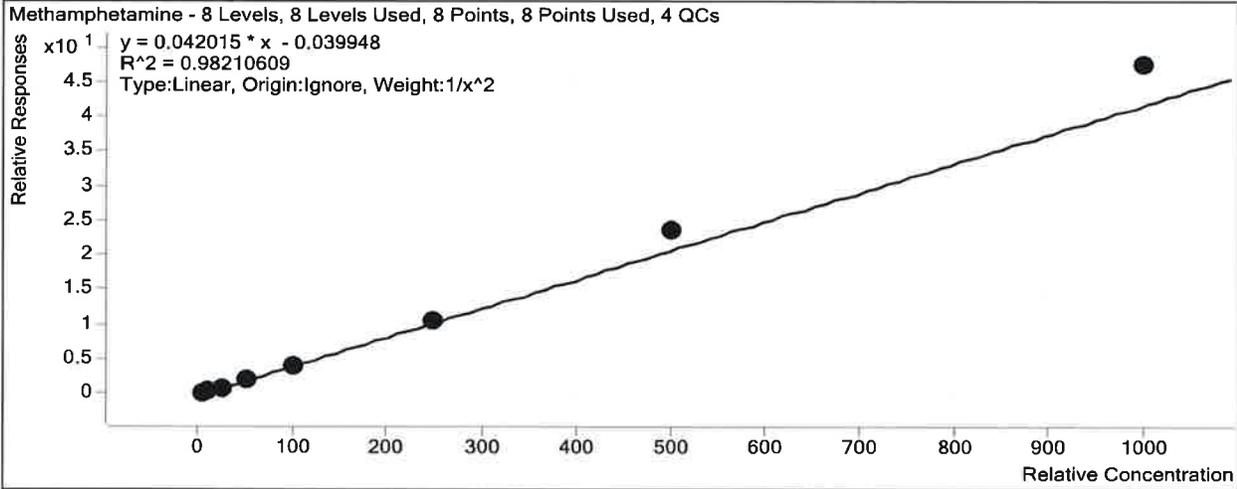
# ISP Forensics Calibration Curve Report

TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\092418 MDQ TS\QuantResults\P1a MDQ TS.batch.bin

**Last Calib Update** 9/28/2018 2:00 PM      **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	5.5	109.8
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	8.8	87.9
a QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	8.2	81.5
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	20.4	81.7
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.6	99.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	94.7	94.7
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	114.3	114.3
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	249.8	99.9
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	248.8	99.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	567.8	113.6
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1130.8	113.1
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1026.0	102.6

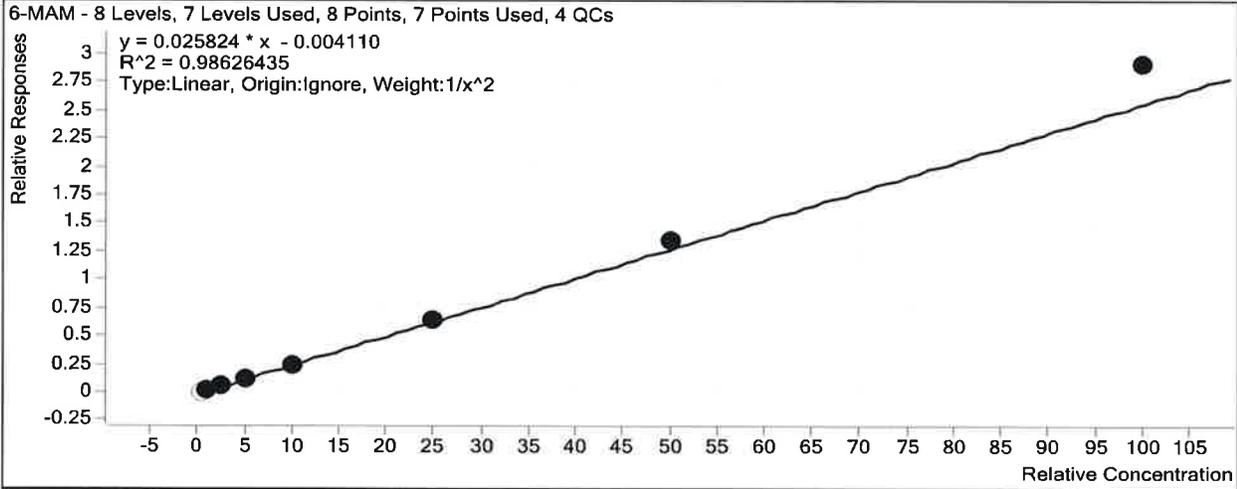
# ISP Forensics Calibration Curve Report

TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\092418 MDQ TS\QuantResults\P1a MDQ TS.batch.bin

**Last Calib Update** 9/28/2018 2:00 PM      **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input type="checkbox"/>	0.5	0.4	88.5
a cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.1	108.3
a QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	1	1.0	97.7
a cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.1	82.8
a cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.6	92.2
a cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.9	98.6
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	10	9.3	93.1
a cal 6-250ng	6	<input checked="" type="checkbox"/>	25	25.2	100.7
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	25	25.2	100.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	50	52.2	104.5
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	112.8	112.8
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	100	117.4	117.4

# ISP Forensics Calibration Curve Report

TS

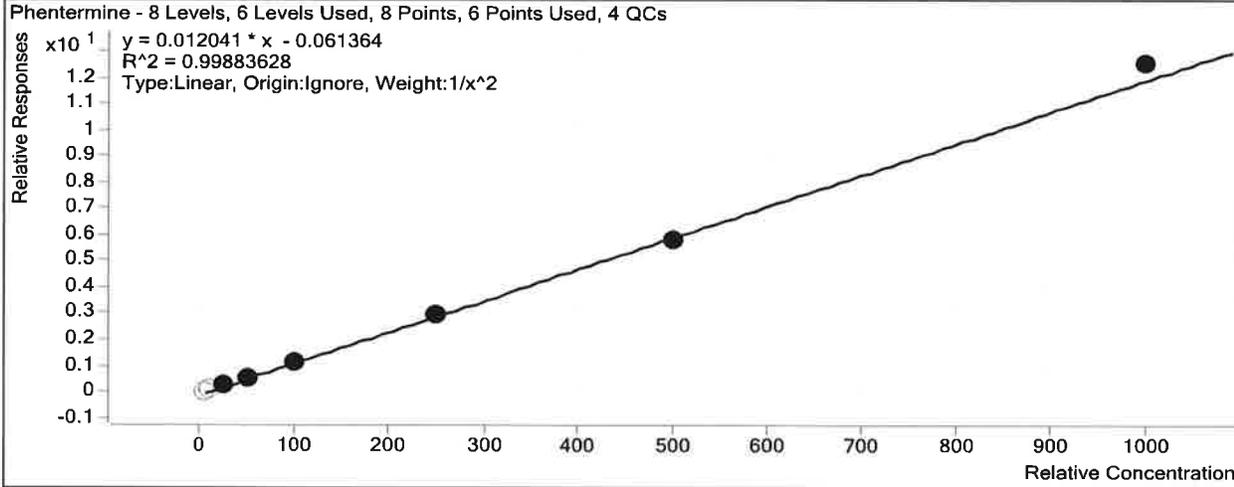
**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\092418 MDQ TS\QuantResults\P1a MDQ TS.batch.bin

**Last Calib Update** 9/28/2018 2:00 PM

**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	8.8	176.2
a cal 2-10ng	2	<input type="checkbox"/>	10	12.9	129.5
a QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	13.0	130.3
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.4	101.5
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.7	97.5
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.1	99.1
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	101.7	101.7
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	249.0	99.6
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	488.1	97.6
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1046.8	104.7
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1043.9	104.4

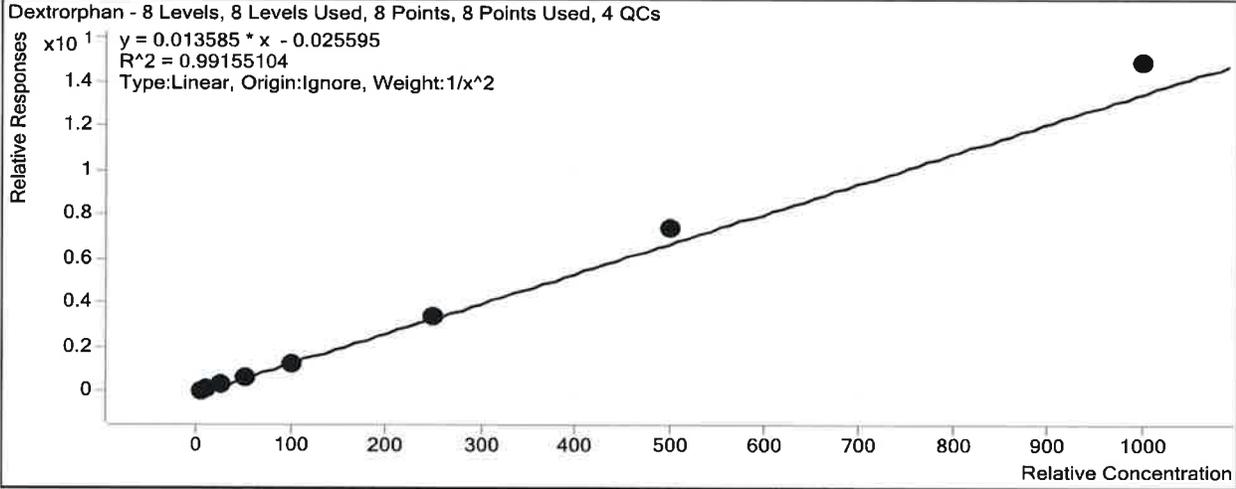
# ISP Forensics Calibration Curve Report

TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\092418 MDQ TS\QuantResults\P1a MDQ TS.batch.bin

**Last Calib Update** 9/28/2018 2:00 PM      **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	5.2	103.6
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	99.5
a QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	9.5	94.9
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	21.1	84.3
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.7	99.5
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	94.6	94.6
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	92.9	92.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	252.0	100.8
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	260.5	104.2
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	542.0	108.4
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1093.9	109.4
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1083.9	108.4

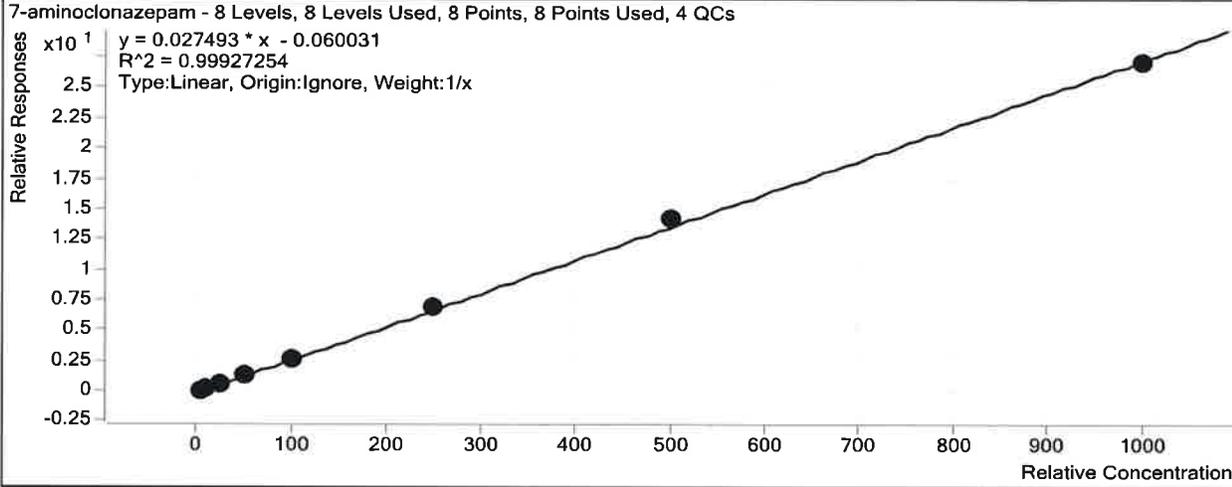
# ISP Forensics Calibration Curve Report

TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\092418 MDQ TS\QuantResults\P1a MDQ TS.batch.bin

**Last Calib Update** 9/28/2018 2:00 PM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.6	111.5
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.2	102.1
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.9	98.9
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.5	90.2
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.0	96.0
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.3	97.3
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	95.9	95.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	252.0	100.8
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	252.4	100.9
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	517.7	103.5
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	986.7	98.7
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	986.0	98.6

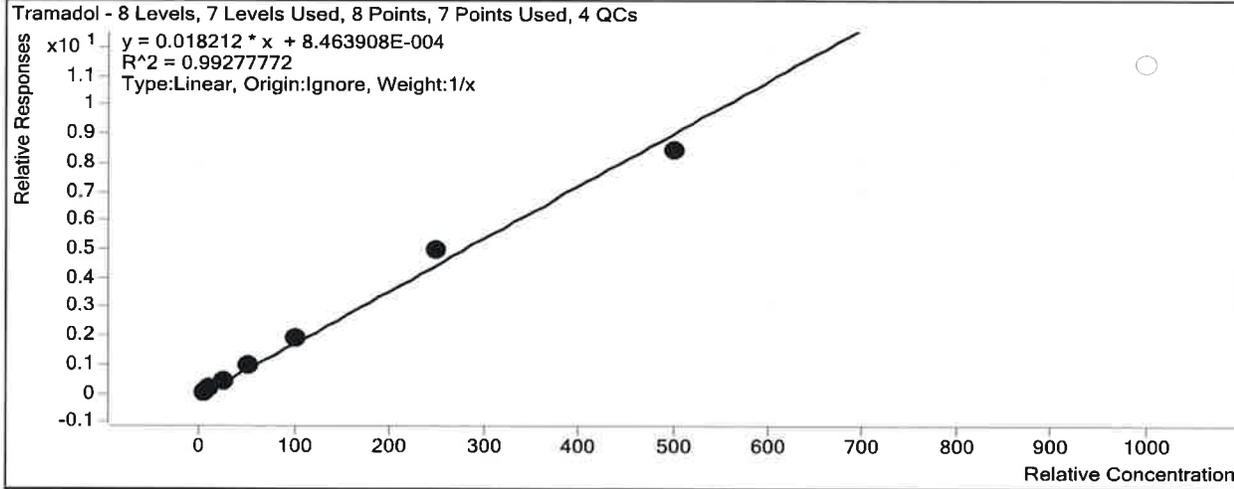
# ISP Forensics Calibration Curve Report

TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\092418 MDQ TS\QuantResults\P1a MDQ TS.batch.bin

**Last Calib Update** 9/28/2018 2:00 PM      **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.5	89.2
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.3	93.2
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.4	93.6
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.5	98.0
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	55.2	110.4
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	106.1	106.1
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	103.4	103.4
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	274.9	110.0
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	260.2	104.1
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	465.5	93.1
a cal 8-1000ng	8	<input type="checkbox"/>	1000	626.6	62.7
a QC 1000 (QC 4)	8	<input type="checkbox"/>	1000	686.3	68.6

# ISP Forensics Calibration Curve Report

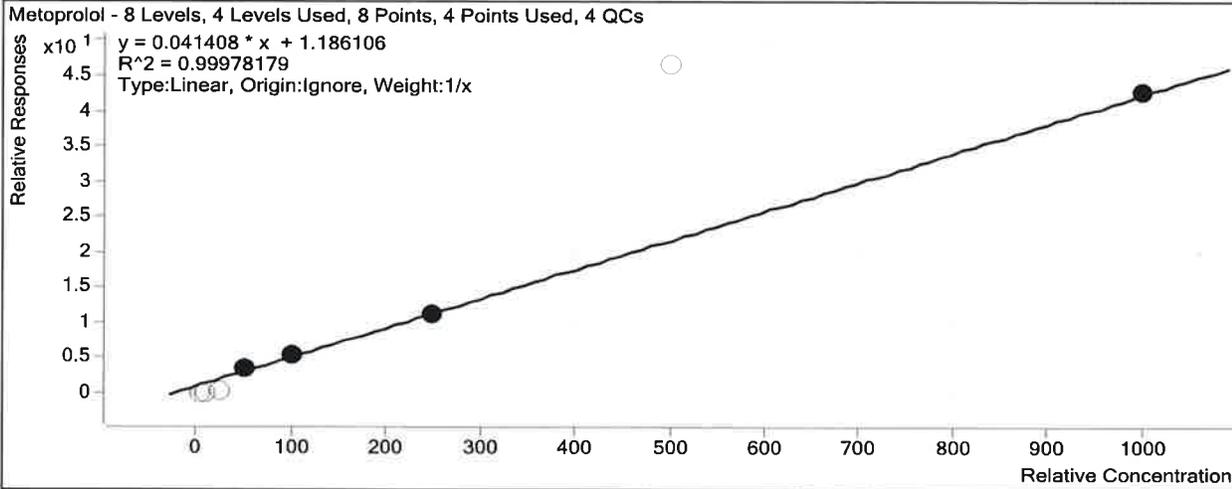
TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\092418 MDQ TS\QuantResults\P1a MDQ TS.batch.bin

**Last Calib Update** 9/28/2018 2:00 PM

**Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input type="checkbox"/>	5	0.0	0.0
a cal 2-10ng	2	<input type="checkbox"/>	10	0.0	0.0
a QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	0.0	0.0
a cal 3-25ng	3	<input type="checkbox"/>	25	0.0	0.0
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.2	102.4
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.5	99.5
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	253.3	253.3
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	243.9	97.6
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	321.3	128.5
a cal 7-500ng	7	<input type="checkbox"/>	500	1093.7	218.7
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1005.4	100.5
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	873.7	87.4

- Calibrator concentration much higher than it should be. TS

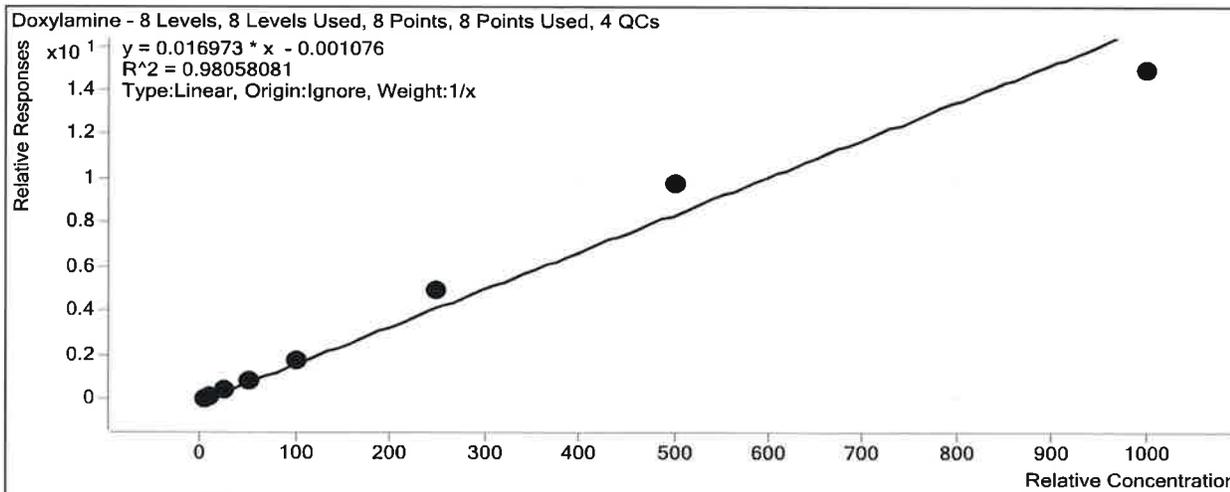
# ISP Forensics Calibration Curve Report

TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\092418 MDQ TS\QuantResults\P1a MDQ TS.batch.bin

**Last Calib Update** 9/28/2018 2:00 PM **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	4.1	82.9
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	97.4
a QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	9.0	90.2
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.0	92.1
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.6	101.1
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	106.0	106.0
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	106.0	106.0
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	294.6	117.8
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	279.4	111.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	575.1	115.0
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	876.9	87.7
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	888.8	88.9

# ISP Forensics Calibration Curve Report

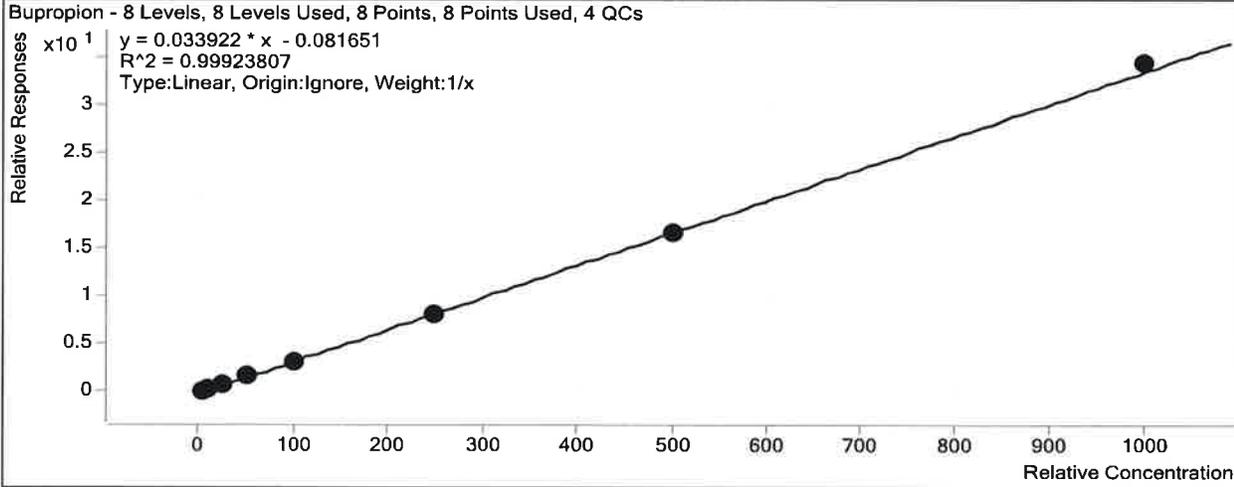
TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\092418 MDQ TS\QuantResults\P1a MDQ TS.batch.bin

**Last Calib Update** 9/28/2018 2:00 PM

**Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.8	115.4
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	100.5
a QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	8.2	81.9
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.2	93.0
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.5	99.0
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	94.9	94.9
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	97.0	97.0
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	239.6	95.8
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	217.4	86.9
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	497.1	99.4
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1019.8	102.0
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	998.9	99.9

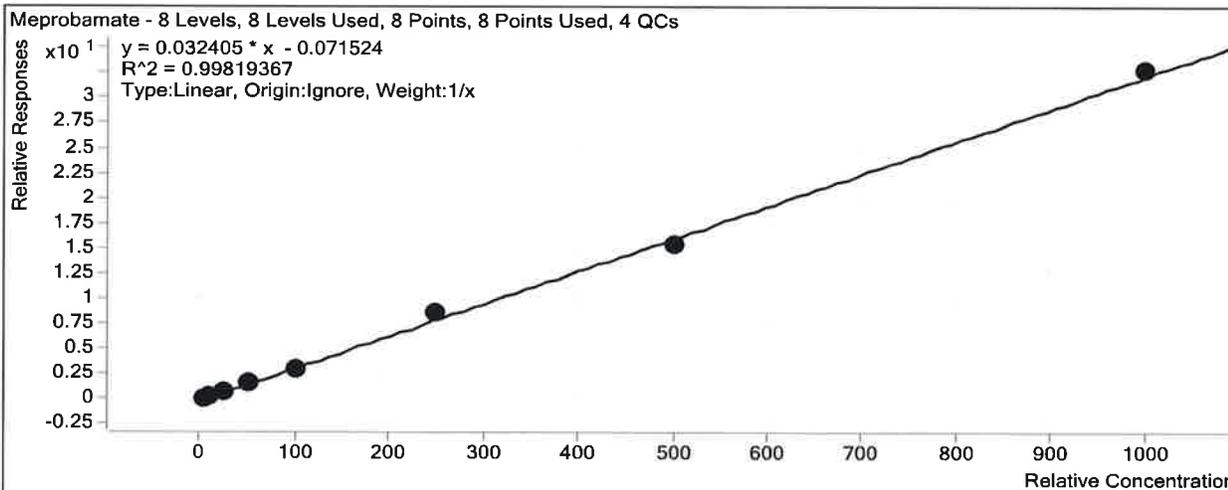
# ISP Forensics Calibration Curve Report

TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\092418 MDQ TS\QuantResults\P1a MDQ TS.batch.bin

**Last Calib Update** 9/28/2018 2:00 PM **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	5.4	108.0
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.2	92.2
a QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	10.3	103.5
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.1	100.5
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.0	104.0
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	91.7	91.7
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	98.9	98.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	267.4	106.9
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	268.7	107.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	477.6	95.5
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1011.6	101.2
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1254.9	125.5

# ISP Forensics Calibration Curve Report

15

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\092418 MDQ TS\QuantResults\P1a MDQ TS.batch.bin

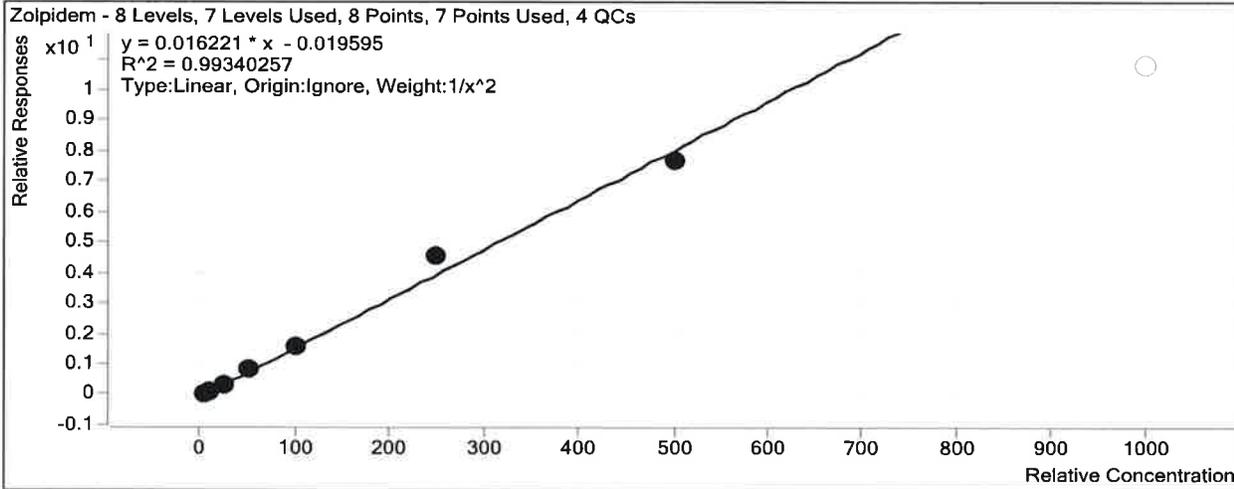
**Last Calib Update** 9/28/2018 2:00 PM

**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	5.2	103.4
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	95.8
a QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	9.5	95.1
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.9	91.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.5	102.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.3	98.3
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	104.6	104.6
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	281.1	112.4
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	273.9	109.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	477.8	95.6
a cal 8-1000ng	8	<input type="checkbox"/>	1000	666.3	66.6
a QC 1000 (QC 4)	8	<input type="checkbox"/>	1000	743.2	74.3

# ISP Forensics Calibration Curve Report

TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\092418 MDQ TS\QuantResults\P1a MDQ TS.batch.bin

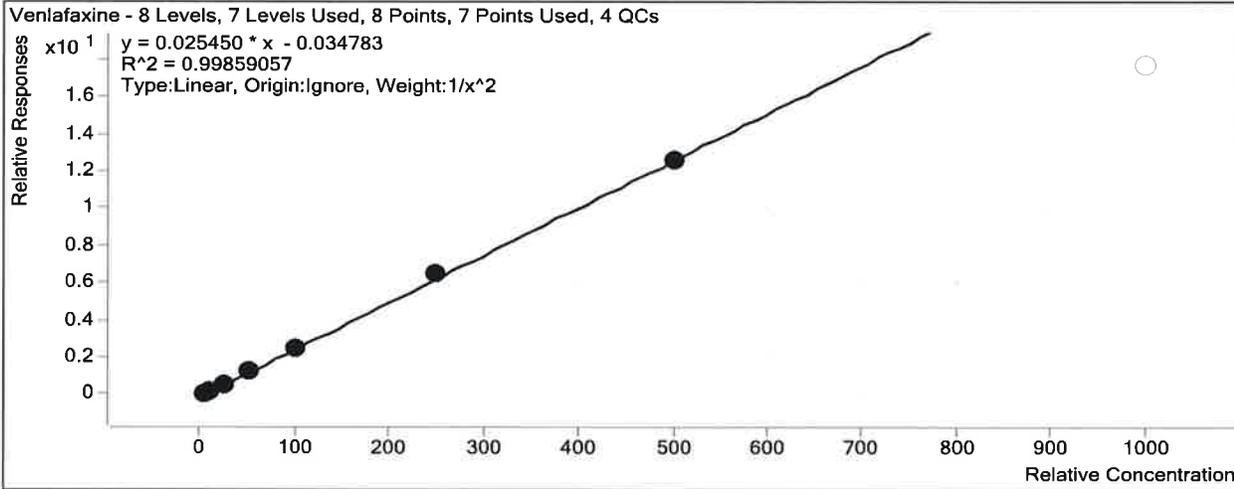
**Last Calib Update** 9/28/2018 2:00 PM

**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	5.1	102.4
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	96.5
a QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	10.2	101.6
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.8	95.1
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.8	101.6
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.3	101.3
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	101.0	101.0
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	259.1	103.6
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	269.8	107.9
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	497.2	99.4
a cal 8-1000ng	8	<input type="checkbox"/>	1000	696.2	69.6
a QC 1000 (QC 4)	8	<input type="checkbox"/>	1000	699.2	69.9

# ISP Forensics Calibration Curve Report

TS

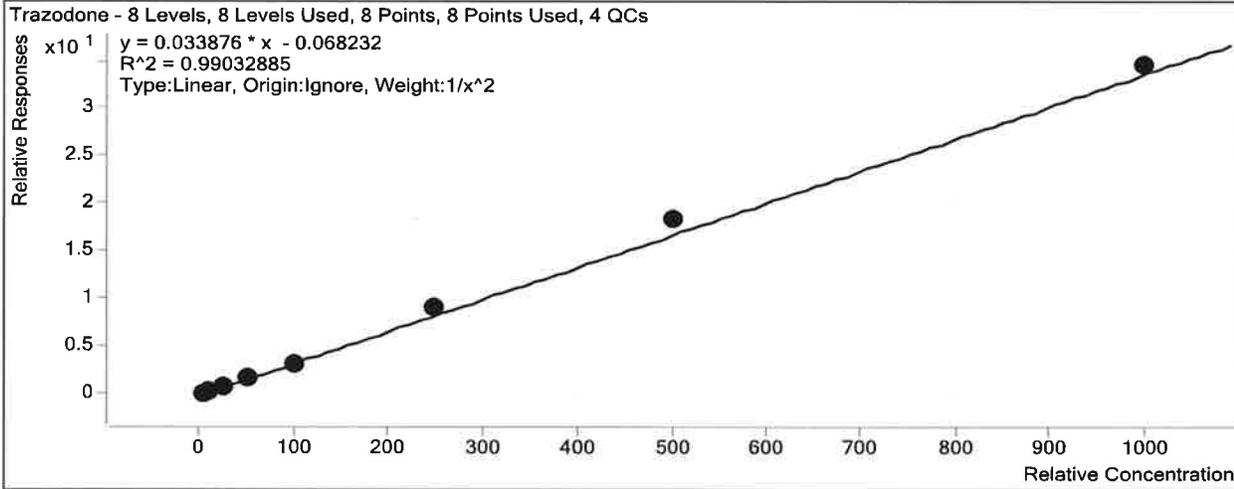
**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\092418 MDQ TS\QuantResults\P1a MDQ TS.batch.bin

**Last Calib Update** 9/28/2018 2:00 PM

**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	9.3	92.7
a QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	9.8	98.3
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	20.9	83.8
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.9	101.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	96.6	96.6
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	90.7	90.7
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	268.5	107.4
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	248.3	99.3
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	544.3	108.9
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1022.1	102.2
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	903.2	90.3

# ISP Forensics Calibration Curve Report

TS

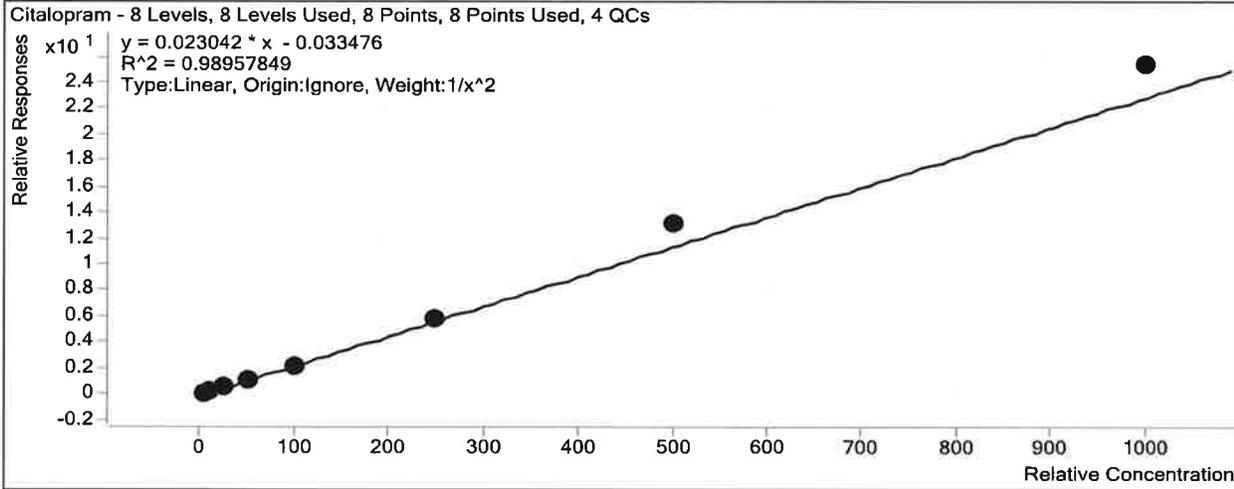
**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\092418 MDQ TS\QuantResults\P1a MDQ TS.batch.bin

**Last Calib Update** 9/28/2018 2:00 PM

**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	5.2	104.7
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	96.3
a QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	9.2	92.2
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.8	91.1
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	45.6	91.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	91.6	91.6
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	88.2	88.2
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	253.1	101.2
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	260.5	104.2
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	568.6	113.7
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1101.1	110.1
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1029.6	103.0

# ISP Forensics Calibration Curve Report

TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\092418 MDQ TS\QuantResults\P1a MDQ TS.batch.bin

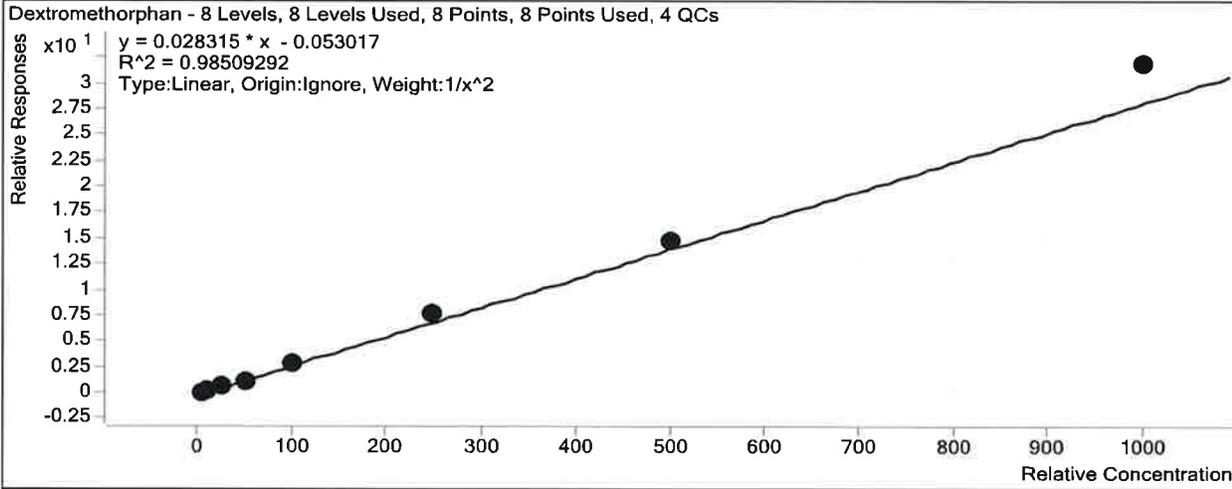
**Last Calib Update** 9/28/2018 2:00 PM

**Analyst Name**

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"/>	5	5.4	109.0
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	8.9	89.2
a QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	10.1	100.6
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	21.6	86.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	44.2	88.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.4	99.4
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	101.4	101.4
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	275.7	110.3
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	248.7	99.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	523.7	104.7
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1125.2	112.5
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1229.0	122.9

QC accuracy out of line. Compound evaluated qualitatively.

TS

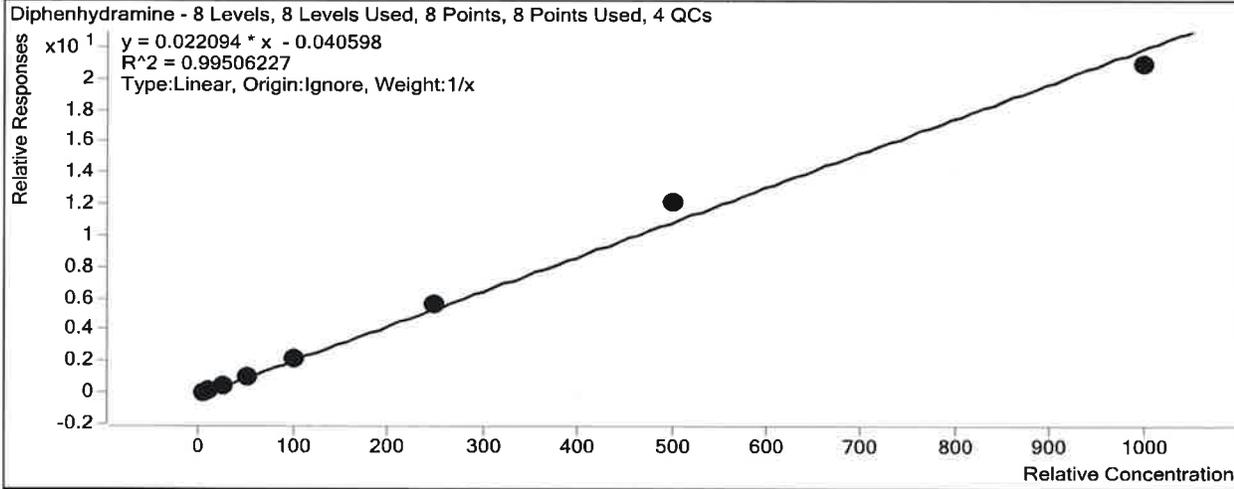
# ISP Forensics Calibration Curve Report

TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\092418 MDQ TS\QuantResults\P1a MDQ TS.batch.bin

**Last Calib Update** 9/28/2018 2:00 PM      **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	5.3	107.0
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.2	102.4
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	8.9	88.7
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.9	91.5
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.3	92.6
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.0	99.0
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	91.2	91.2
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	255.6	102.3
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	233.6	93.4
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	552.4	110.5
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	890.5	89.1

# ISP Forensics Calibration Curve Report

TS

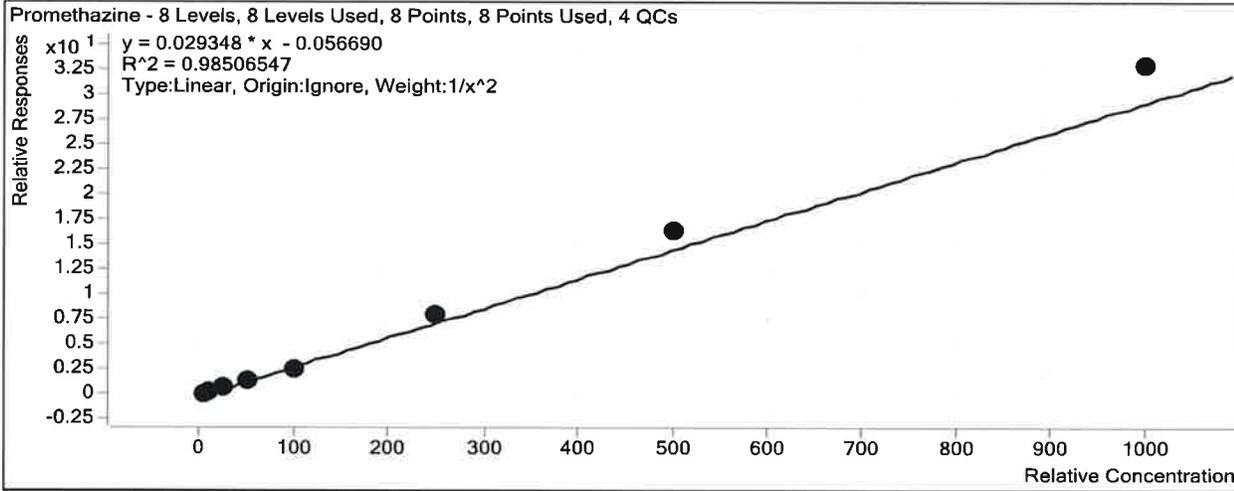
**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\092418 MDQ TS\QuantResults\P1a MDQ TS.batch.bin

**Last Calib Update** 9/28/2018 2:00 PM

**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	5.4	107.1
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.3	93.0
a QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	9.3	92.8
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.0	87.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	44.7	89.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	90.5	90.5
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	89.1	89.1
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	272.5	109.0
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	233.7	93.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	556.1	111.2
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1119.5	111.9
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1017.1	101.7

# ISP Forensics Calibration Curve Report

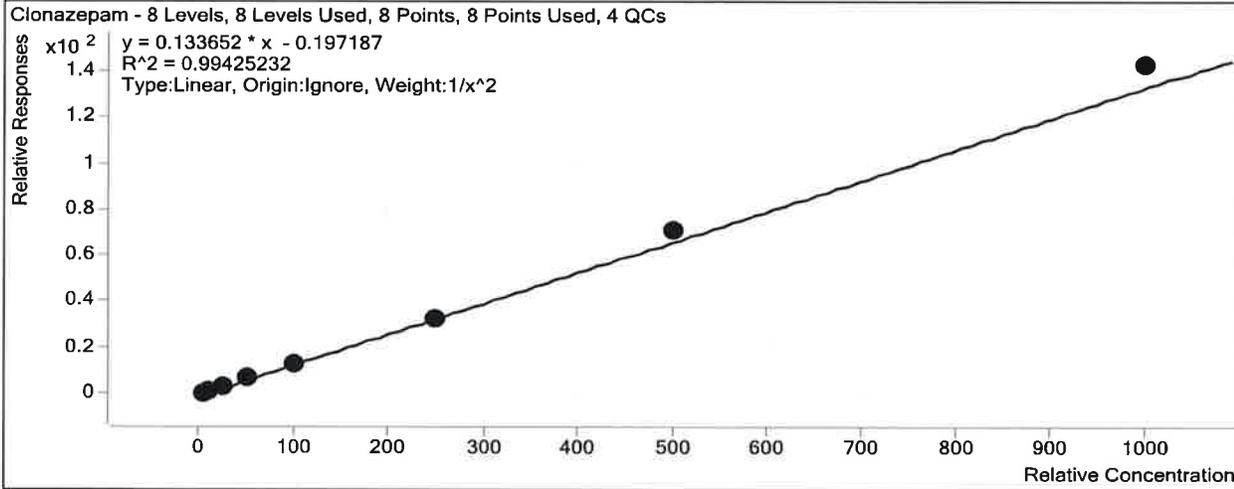
15

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\092418 MDQ TS\QuantResults\P1a MDQ TS.batch.bin

**Last Calib Update** 9/28/2018 2:00 PM

**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	5.3	105.9
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.2	91.7
a QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	8.5	85.5
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.5	89.8
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.4	102.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.0	98.0
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	105.6	105.6
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	246.8	98.7
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	275.5	110.2
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	531.5	106.3
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1067.4	106.7
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1044.4	104.4

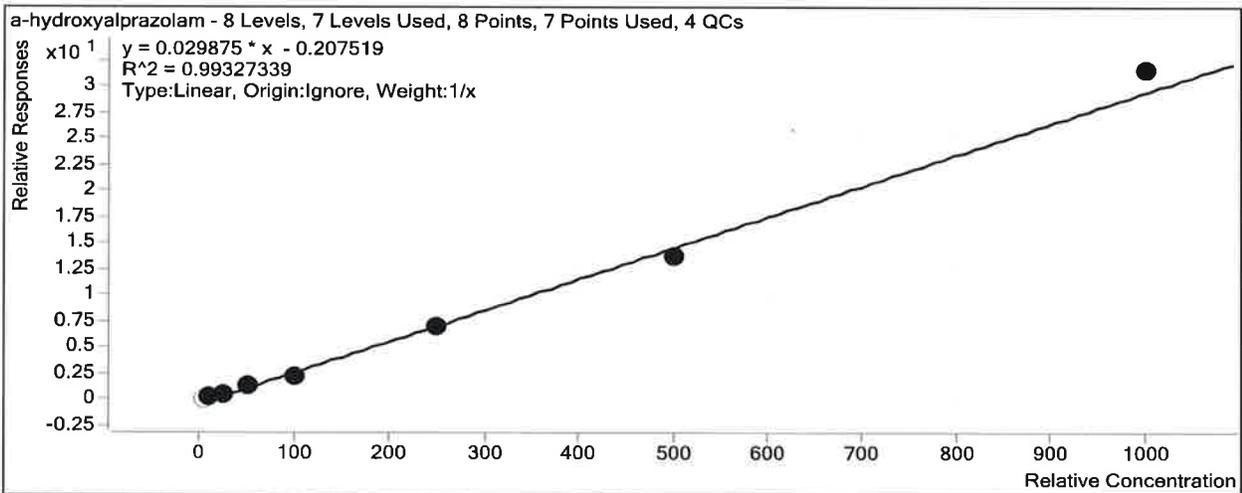
# ISP Forensics Calibration Curve Report

15

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\092418 MDQ TS\QuantResults\P1a MDQ TS.batch.bin

**Last Calib Update** 9/28/2018 2:00 PM      **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input type="checkbox"/>	5	10.3	205.2
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	12.9	129.2
a QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	13.3	133.3
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.6	98.4
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.4	94.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	81.1	81.1
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	89.0	89.0
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	244.0	97.6
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	233.0	93.2
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	463.3	92.7
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1061.7	106.2
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	939.6	94.0

# ISP Forensics Calibration Curve Report

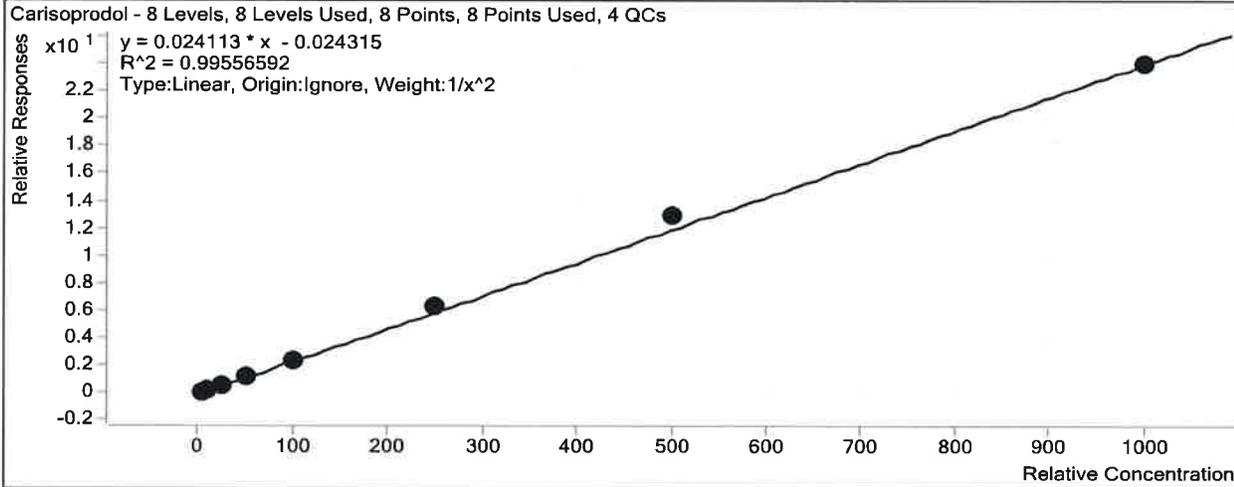
TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\092418 MDQ TS\QuantResults\P1a MDQ TS.batch.bin

**Last Calib Update** 9/28/2018 2:00 PM

**Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.3	105.7
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.0	90.1
a QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	9.8	98.4
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.0	96.0
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.5	101.0
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	96.0	96.0
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	105.3	105.3
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	262.0	104.8
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	270.5	108.2
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	534.8	107.0
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	994.0	99.4
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1024.3	102.4

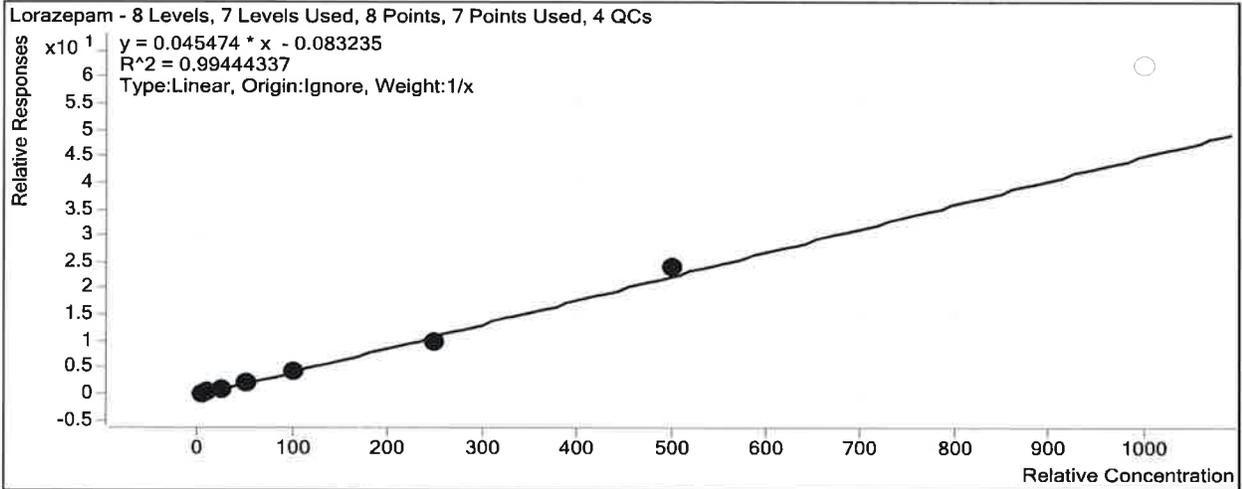
# ISP Forensics Calibration Curve Report

TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\092418 MDQ TS\QuantResults\P1a MDQ TS.batch.bin

**Last Calib Update** 9/28/2018 2:00 PM      **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 checked="" type="checkbox"/>	5	5.6	111.7
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.5	95.0
a QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	10.2	102.1
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.9	95.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.8	103.7
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.4	99.4
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	85.5	85.5
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	223.1	89.2
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	229.5	91.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	526.6	105.3
a cal 8-1000ng	8	<input type="checkbox"/>	1000	1368.4	136.8
a QC 1000 (QC 4)	8	<input type="checkbox"/>	1000	1164.3	116.4

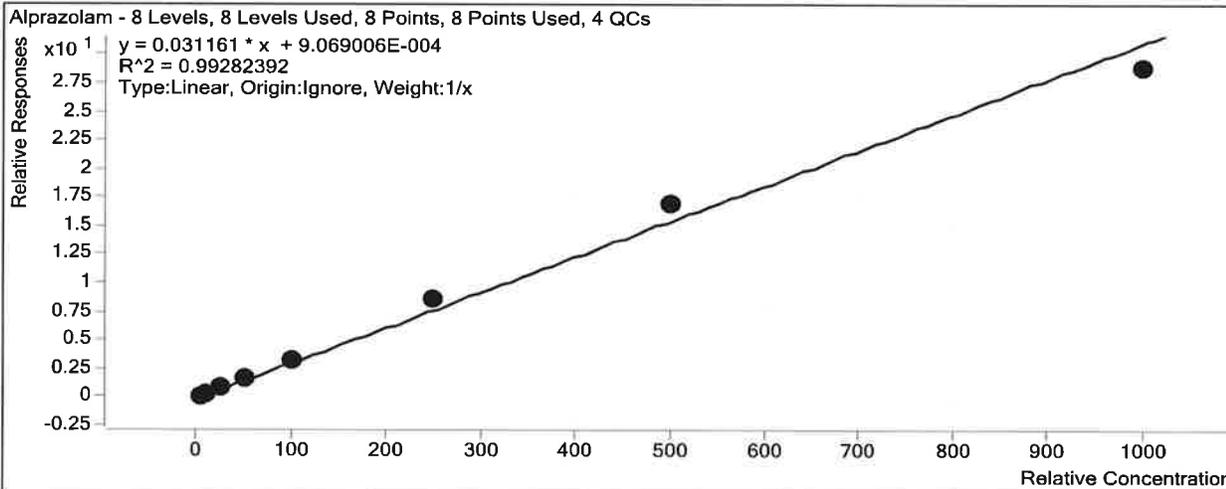
# ISP Forensics Calibration Curve Report

TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\092418 MDQ TS\QuantResults\P1a MDQ TS.batch.bin

**Last Calib Update** 9/28/2018 2:00 PM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.4	87.3
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.2	92.4
a QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	9.4	93.8
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.7	98.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	53.3	106.5
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.6	103.6
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	102.0	102.0
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	273.7	109.5
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	284.5	113.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	546.7	109.3
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	924.4	92.4
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	977.6	97.8

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# ISP FORENSICS - Pocatello Instrument # 59740

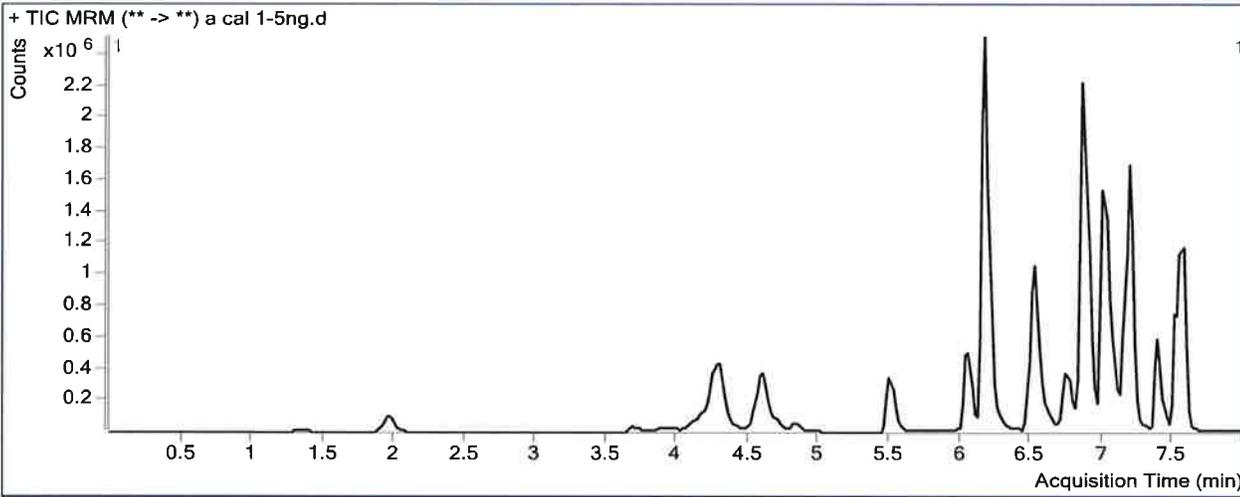
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\092418 MDQ TS\QuantResults\P1a MDQ TS.batch.bin  
**Analysis Time** 9/28/2018 2:00 PM **Analyst Name** ISUser  
**Report Time** 9/28/2018 2:06 PM **Reporter Name** ISUser  
**Last Calib Update** 9/28/2018 2:00 PM **Batch State** Processed

**Analysis Info**

**Acq Time** 2018-09-24 13:28 **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-H12 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28

**Sample Chromatogram**



**Results**

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.348	15720	66737	0.2355	5.0456
Hydromorphone	Hydromorphone-D6	1.989	57817	538457	0.1074	5.3496
Codeine	Codeine-D6	3.992	13272	100015	0.1327	7.4910
Amphetamine	Amphetamine-D11	4.303	788902	638920	1.2347	0.0000
Oxycodone	Oxycodone-D6	4.330	171245	1956173	0.0875	6.0163
Hydrocodone	Hydrocodone-D6	4.635	60763	999916	0.0608	6.1412
Norhydrocodone	Norhydrocodone-D3	4.638	2373	237059	0.0100	27.2473
Methamphetamine	Methamphetamine-D11	4.702	185879	974241	0.1908	5.4919
6-MAM	6-MAM-D6	4.849	1558	212910	0.0073	0.4425
Phentermine	Phentermine-D5	5.566	60985	1363685	0.0447	8.8102
Dextrorphan	Dextrorphan-D3	6.063	76017	1698426	0.0448	5.1788
7-aminoclonazepam	7-Aminoclonazepam-D4	6.174	113481	1217231	0.0932	5.5744
Tramadol	Tramadol-13C-D3	6.203	646635	7876539	0.0821	4.4613
Metoprolol	Promethazine-D3	6.302	48686	1564343	0.0311	0.0000
Doxylamine	Doxylamine-D5	6.522	319823	4616583	0.0693	4.1449
Bupropion	Bupropion-D9	6.771	134696	1181417	0.1140	5.7681
Meprobamate	Meprobamate-D7	6.853	39981	386311	0.1035	5.4011
Zolpidem	Zolpidem-D6	6.882	514624	8008754	0.0643	5.1693
Venlafaxine	Venlafaxine-D6	7.006	430520	4504470	0.0956	5.1221
Trazodone	Trazodone-D6	7.096	159395	1418132	0.1124	5.3321

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

TS

a cal 1-5ng

<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>
Citalopram	Citalopram-D6	7.159	133585	1532300	0.0872	5.2363
Dextromethorphan	Dextromethorphan-D3	7.191	42480	419636	0.1012	5.4477
Diphenhydramine	Diphenhydramine-D3	7.194	306000	3943333	0.0776	5.3498
Promethazine	Promethazine-D3	7.389	157142	1564343	0.1005	5.3545
Clonazepam	Clonazepam-D4	7.425	51412	100690	0.5106	5.2958
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.501	18390	185669	0.0990	10.2617
Carisoprodol	Carisoprodol-D7	7.534	167493	1624720	0.1031	5.2838
Lorazepam	Clonazepam-D4	7.543	17191	100690	0.1707	5.5849
Alprazolam	Alprazolam-D5	7.568	369857	2701969	0.1369	4.3637

# ISP FORENSICS - Pocatello Instrument # 59740

## Multi-Drug Confirmatory Analysis Report

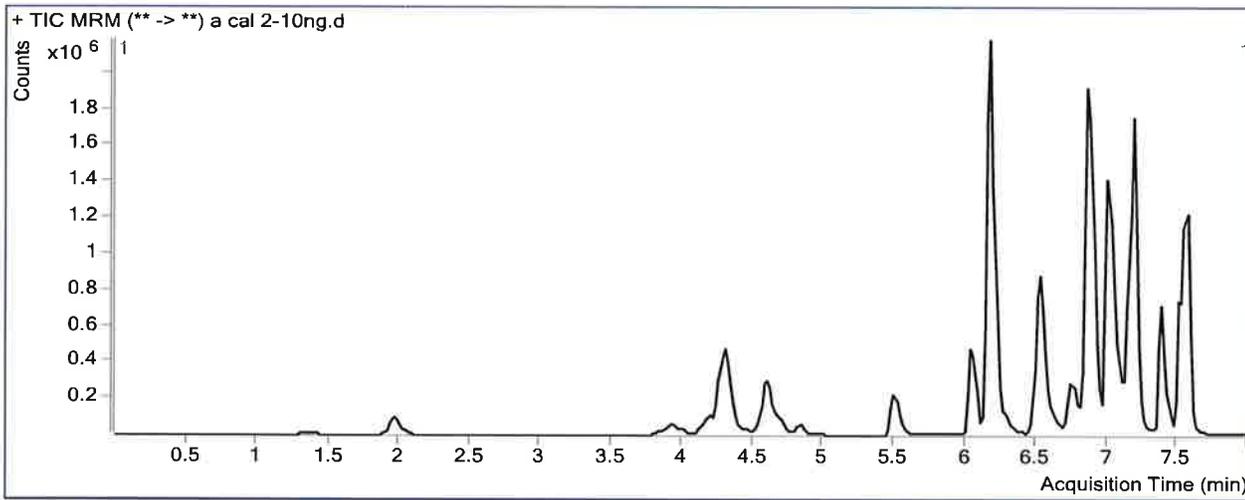
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**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\092418 MDQ TS\QuantResults\P1a MDQ TS.batch.bin  
**Analysis Time** 9/28/2018 2:00 PM **Analyst Name** ISPUser  
**Report Time** 9/28/2018 2:06 PM **Reporter Name** ISPUser  
**Last Calib Update** 9/28/2018 2:00 PM **Batch State** Processed

**Analysis Info**

**Acq Time** 2018-09-24 14:00 **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-G12 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28

**Sample Chromatogram**



**Results**

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.368	28577	53485	0.5343	10.2758
Hydromorphone	Hydromorphone-D6	1.989	98750	422784	0.2336	9.4218
Codeine	Codeine-D6	3.972	40706	193036	0.2109	10.5247
Amphetamine	Amphetamine-D11	4.303	874044	460893	1.8964	7.7510
Oxycodone	Oxycodone-D6	4.330	318158	1553923	0.2047	10.2304
Hydrocodone	Hydrocodone-D6	4.635	108941	785325	0.1387	10.1860
Norhydrocodone	Norhydrocodone-D3	4.658	5914	198649	0.0298	31.6210
Methamphetamine	Methamphetamine-D11	4.702	196062	595147	0.3294	8.7918
6-MAM	6-MAM-D6	4.849	3951	165517	0.0239	1.0834
Phentermine	Phentermine-D5	5.546	83159	879806	0.0945	12.9459
Dextrorphan	Dextrorphan-D3	6.043	147407	1345425	0.1096	9.9492
7-aminoclonazepam	7-Aminoclonazepam-D4	6.174	212179	961523	0.2207	10.2097
Tramadol	Tramadol-13C-D3	6.203	1090929	6393102	0.1706	9.3232
Metoprolol	Promethazine-D3	6.281	85422	1666993	0.0512	0.0000
Doxylamine	Doxylamine-D5	6.542	538156	3277461	0.1642	9.7373
Bupropion	Bupropion-D9	6.771	199932	771038	0.2593	10.0512
Meprobamate	Meprobamate-D7	6.853	76986	338780	0.2272	9.2200
Zolpidem	Zolpidem-D6	6.882	937514	6907359	0.1357	9.5751
Venlafaxine	Venlafaxine-D6	7.006	761957	3614387	0.2108	9.6501
Trazodone	Trazodone-D6	7.096	295757	1203485	0.2458	9.2686

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

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a cal 2-10ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.139	265316	1408393	0.1884	9.6283
Dextromethorphan	Dextromethorphan-D3	7.171	86605	433800	0.1996	8.9234
Diphenhydramine	Diphenhydramine-D3	7.194	591373	3186057	0.1856	10.2387
Promethazine	Promethazine-D3	7.389	360666	1666993	0.2164	9.3039
Clonazepam	Clonazepam-D4	7.425	95613	92919	1.0290	9.1744
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.501	27605	154672	0.1785	12.9204
Carisoprodol	Carisoprodol-D7	7.534	263444	1365281	0.1930	9.0108
Lorazepam	Clonazepam-D4	7.543	32420	92919	0.3489	9.5031
Alprazolam	Alprazolam-D5	7.568	669790	2317835	0.2890	9.2444

# ISP FORENSICS - Pocatello Instrument # 59740

## Multi-Drug Confirmatory Analysis Report

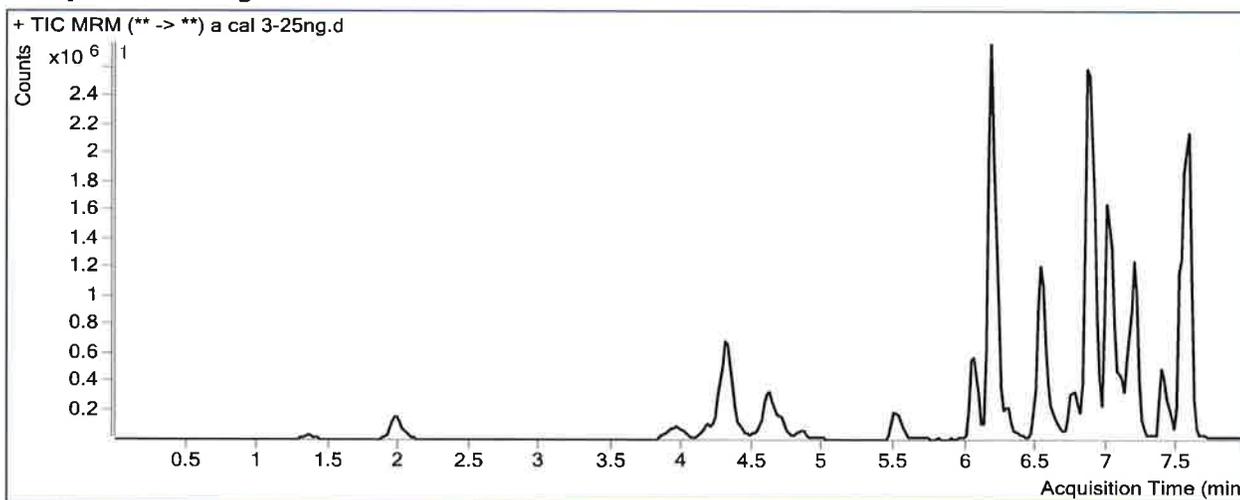
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**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\092418 MDQ TS\QuantResults\P1a MDQ TS.batch.bin  
**Analysis Time** 9/28/2018 2:00 PM **Analyst Name** ISPUser  
**Report Time** 9/28/2018 2:06 PM **Reporter Name** ISPUser  
**Last Calib Update** 9/28/2018 2:00 PM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-09-24 14:31 **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-F12 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.348	79160	62582	1.2649	23.0667
Hydromorphone	Hydromorphone-D6	1.989	286778	492464	0.5823	20.6760
Codeine	Codeine-D6	3.972	109096	215651	0.5059	21.9732
Amphetamine	Amphetamine-D11	4.303	1266233	412673	3.0684	23.1071
Oxycodone	Oxycodone-D6	4.350	865161	1755417	0.4929	20.5895
Hydrocodone	Hydrocodone-D6	4.635	309348	848103	0.3648	21.9140
Norhydrocodone	Norhydrocodone-D3	4.658	15752	207861	0.0758	41.8042
Methamphetamine	Methamphetamine-D11	4.702	358491	438124	0.8182	20.4259
6-MAM	6-MAM-D6	4.849	9502	192624	0.0493	2.0694
Phentermine	Phentermine-D5	5.566	171238	700948	0.2443	25.3846
Dextrorphan	Dextrorphan-D3	6.063	333613	1280251	0.2606	21.0663
7-aminoclonazepam	7-Aminoclonazepam-D4	6.174	620961	1109482	0.5597	22.5405
Tramadol	Tramadol-13C-D3	6.203	2838834	6352153	0.4469	24.4927
Metoprolol	Promethazine-D3	6.302	201351	831081	0.2423	0.0000
Doxylamine	Doxylamine-D5	6.542	1289779	3310293	0.3896	23.0185
Bupropion	Bupropion-D9	6.771	401052	567387	0.7068	23.2445
Meprobamate	Meprobamate-D7	6.853	268818	362073	0.7424	25.1189
Zolpidem	Zolpidem-D6	6.882	2733258	7764653	0.3520	22.9086
Venlafaxine	Venlafaxine-D6	7.006	1728246	3031793	0.5700	23.7651
Trazodone	Trazodone-D6	7.096	518639	808921	0.6411	20.9405

**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	7.159	421330	857897	0.4911	22.7667
Dextromethorphan	Dextromethorphan-D3	7.191	128108	228908	0.5597	21.6379
Diphenhydramine	Diphenhydramine-D3	7.214	826657	1778268	0.4649	22.8783
Promethazine	Promethazine-D3	7.389	488889	831081	0.5883	21.9762
Clonazepam	Clonazepam-D4	7.425	284983	101623	2.8043	22.4578
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.501	95486	180933	0.5277	24.6116
Carisoprodol	Carisoprodol-D7	7.534	843312	1520583	0.5546	24.0087
Lorazepam	Clonazepam-D4	7.543	101995	101623	1.0037	23.9013
Alprazolam	Alprazolam-D5	7.568	2069803	2683632	0.7713	24.7221

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# ISP FORENSICS - Pocatello Instrument # 59740

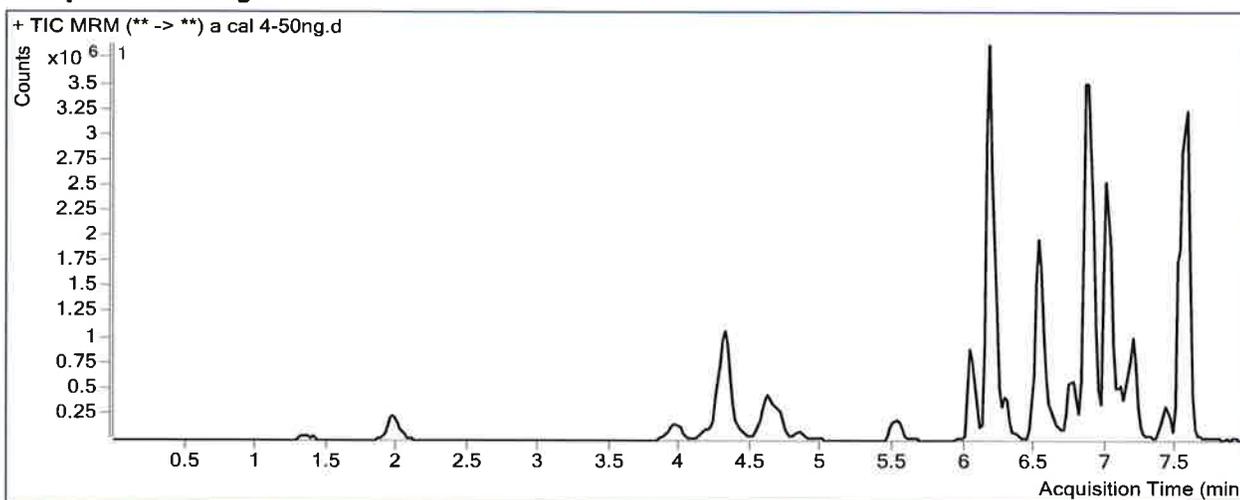
## Multi-Drug Confirmatory Analysis Report

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**Analysis Time** 9/28/2018 2:00 PM **Analyst Name** ISUser  
**Report Time** 9/28/2018 2:06 PM **Reporter Name** ISUser  
**Last Calib Update** 9/28/2018 2:00 PM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-09-24 15:03 **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-E12 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.348	154840	59743	2.5918	46.2964
Hydromorphone	Hydromorphone-D6	1.969	593375	423770	1.4002	47.0688
Codeine	Codeine-D6	3.972	244295	193325	1.2636	51.3790
Amphetamine	Amphetamine-D11	4.303	2208710	391576	5.6406	56.8106
Oxycodone	Oxycodone-D6	4.330	1937893	1564738	1.2385	47.3990
Hydrocodone	Hydrocodone-D6	4.635	689421	832351	0.8283	45.9650
Norhydrocodone	Norhydrocodone-D3	4.638	28670	197188	0.1454	57.2110
Methamphetamine	Methamphetamine-D11	4.702	893733	436948	2.0454	49.6337
6-MAM	6-MAM-D6	4.849	20799	180962	0.1149	4.6100
Phentermine	Phentermine-D5	5.546	381872	726866	0.5254	48.7272
Dextroprphan	Dextroprphan-D3	6.043	781001	1201490	0.6500	49.7342
7-aminoclonazepam	7-Aminoclonazepam-D4	6.154	1266391	1005816	1.2591	47.9787
Tramadol	Tramadol-13C-D3	6.180	6386254	6347755	1.0061	55.1952
Metoprolol	Promethazine-D3	6.302	501164	151629	3.3052	51.1757
Doxylamine	Doxylamine-D5	6.522	2981189	3478656	0.8570	50.5536
Bupropion	Bupropion-D9	6.771	941377	589368	1.5973	49.4941
Meprobamate	Meprobamate-D7	6.853	496354	307693	1.6131	51.9888
Zolpidem	Zolpidem-D6	6.882	5809121	7126606	0.8151	51.4585
Venlafaxine	Venlafaxine-D6	7.006	3911422	3107709	1.2586	50.8211
Trazodone	Trazodone-D6	7.096	708859	427736	1.6572	50.9348

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

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a cal 4-50ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.159	478524	469943	1.0183	45.6438
Dextromethorphan	Dextromethorphan-D3	7.171	117506	98107	1.1977	44.1734
Diphenhydramine	Diphenhydramine-D3	7.194	1055640	1074827	0.9821	46.2916
Promethazine	Promethazine-D3	7.389	190174	151629	1.2542	44.6680
Clonazepam	Clonazepam-D4	7.425	607847	91138	6.6696	51.3780
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.501	192431	159110	1.2094	47.4295
Carisoprodol	Carisoprodol-D7	7.534	1774570	1486846	1.1935	50.5058
Lorazepam	Clonazepam-D4	7.543	207265	91138	2.2742	51.8410
Alprazolam	Alprazolam-D5	7.568	4090441	2462843	1.6609	53.2704

TS

# ISP FORENSICS - Pocatello Instrument # 59740

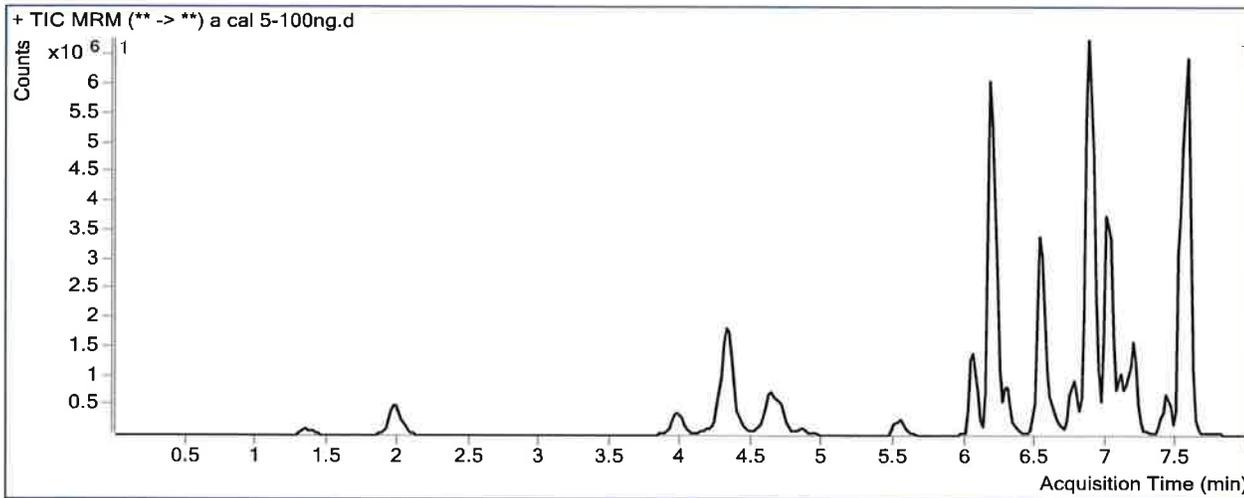
## Multi-Drug Confirmatory Analysis Report

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**Report Time** 9/28/2018 2:06 PM **Reporter Name** ISPUser  
**Last Calib Update** 9/28/2018 2:00 PM **Batch State** Processed

**Analysis Info**

**Acq Time** 2018-09-24 15:34 **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-D12 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28

**Sample Chromatogram**



**Results**

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.348	386587	71829	5.3820	95.1453
Hydromorphone	Hydromorphone-D6	1.989	1470732	517273	2.8432	93.6337
Codeine	Codeine-D6	3.972	555252	252481	2.1992	87.6836
Amphetamine	Amphetamine-D11	4.303	3389023	371490	9.1228	102.4382
Oxycodone	Oxycodone-D6	4.330	4371010	1720526	2.5405	94.2144
Hydrocodone	Hydrocodone-D6	4.635	1536764	877813	1.7507	93.8250
Norhydrocodone	Norhydrocodone-D3	4.658	65801	207306	0.3174	95.2837
Methamphetamine	Methamphetamine-D11	4.702	1546812	392606	3.9399	94.7240
6-MAM	6-MAM-D6	4.849	49387	197169	0.2505	9.8588
Phentermine	Phentermine-D5	5.546	772880	682776	1.1320	99.1043
Dextrorphan	Dextrorphan-D3	6.063	1536984	1220172	1.2596	94.6096
7-aminoclonazepam	7-Aminoclonazepam-D4	6.174	2671976	1021826	2.6149	97.2936
Tramadol	Tramadol-13C-D3	6.203	13061706	6755683	1.9334	106.1160
Metoprolol	Promethazine-D3	6.302	1030153	194078	5.3079	99.5413
Doxylamine	Doxylamine-D5	6.522	5924940	3294601	1.7984	106.0157
Bupropion	Bupropion-D9	6.771	1458102	464597	3.1384	94.9272
Meprobamate	Meprobamate-D7	6.853	1195064	412095	2.9000	91.7001
Zolpidem	Zolpidem-D6	6.882	12842699	8152479	1.5753	98.3215
Venlafaxine	Venlafaxine-D6	7.006	7518011	2956843	2.5426	101.2713
Trazodone	Trazodone-D6	7.096	1447082	451818	3.2028	96.5589

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

TS

a cal 5-100ng

<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>
Citalopram	Citalopram-D6	7.159	947439	456342	2.0762	91.5553
Dextromethorphan	Dextromethorphan-D3	7.191	233828	84695	2.7608	99.3775
Diphenhydramine	Diphenhydramine-D3	7.194	2095327	976459	2.1458	98.9627
Promethazine	Promethazine-D3	7.389	504225	194078	2.5980	90.4587
Clonazepam	Clonazepam-D4	7.425	1278259	99086	12.9006	97.9991
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.501	472852	213579	2.2139	81.0543
Carisoprodol	Carisoprodol-D7	7.534	3955649	1727059	2.2904	95.9958
Lorazepam	Clonazepam-D4	7.543	439674	99086	4.4373	99.4088
Alprazolam	Alprazolam-D5	7.568	9195129	2847593	3.2291	103.5972

TS

# ISP FORENSICS - Pocatello Instrument # 59740

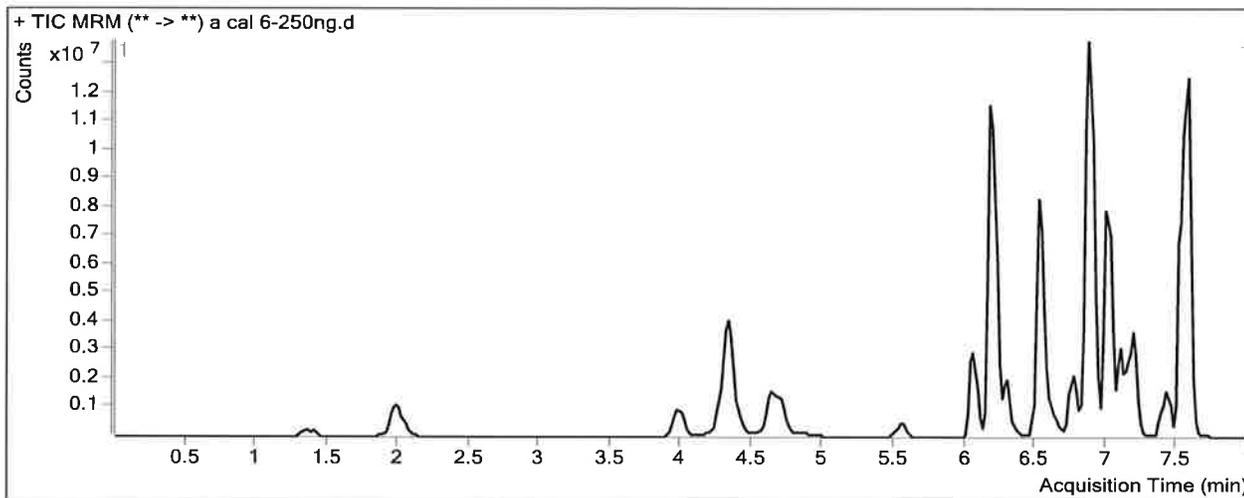
## Multi-Drug Confirmatory Analysis Report

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**Report Time** 9/28/2018 2:07 PM **Reporter Name** ISPUser  
**Last Calib Update** 9/28/2018 2:00 PM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-09-24 16:05 **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-C12 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.368	921215	60196	15.3035	268.8417
Hydromorphone	Hydromorphone-D6	1.989	3552122	441703	8.0419	261.3890
Codeine	Codeine-D6	3.972	1392670	213232	6.5312	255.7946
Amphetamine	Amphetamine-D11	4.323	7043331	331854	21.2242	261.0028
Oxycodone	Oxycodone-D6	4.350	11037314	1538958	7.1719	260.7406
Hydrocodone	Hydrocodone-D6	4.635	3902039	815953	4.7822	251.1204
Norhydrocodone	Norhydrocodone-D3	4.658	163140	174123	0.9369	232.3978
Methamphetamine	Methamphetamine-D11	4.702	3614400	345723	10.4546	249.7831
6-MAM	6-MAM-D6	4.849	116600	180407	0.6463	25.1870
Phentermine	Phentermine-D5	5.566	1758903	598882	2.9370	249.0077
Dextrophan	Dextrophan-D3	6.063	3830586	1127402	3.3977	251.9977
7-aminoclonazepam	7-Aminoclonazepam-D4	6.174	6384499	929711	6.8672	251.9590
Tramadol	Tramadol-13C-D3	6.203	31164675	6223565	5.0075	274.9100
Metoprolol	Promethazine-D3	6.302	2663109	235949	11.2868	243.9299
Doxylamine	Doxylamine-D5	6.522	15785447	3157811	4.9989	294.5734
Bupropion	Bupropion-D9	6.771	3739021	464769	8.0449	239.5692
Meprobamate	Meprobamate-D7	6.853	3015613	350979	8.5920	267.3559
Zolpidem	Zolpidem-D6	6.882	32716892	7207218	4.5395	281.0529
Venlafaxine	Venlafaxine-D6	7.006	18581336	2832713	6.5596	259.1085
Trazodone	Trazodone-D6	7.096	4577106	507008	9.0277	268.5059

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	7.159	2816985	485782	5.7989	253.1157
Dextromethorphan	Dextromethorphan-D3	7.191	713091	91970	7.7535	275.7068
Diphenhydramine	Diphenhydramine-D3	7.194	5479911	977265	5.6074	255.6398
Promethazine	Promethazine-D3	7.389	1873669	235949	7.9410	272.5162
Clonazepam	Clonazepam-D4	7.425	3294461	100477	32.7883	246.8019
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.501	1206099	170278	7.0831	244.0408
Carisoprodol	Carisoprodol-D7	7.534	8941529	1420606	6.2942	262.0401
Lorazepam	Clonazepam-D4	7.543	1011071	100477	10.0627	223.1140
Alprazolam	Alprazolam-D5	7.568	20223714	2371069	8.5294	273.6911

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# ISP FORENSICS - Pocatello Instrument # 59740

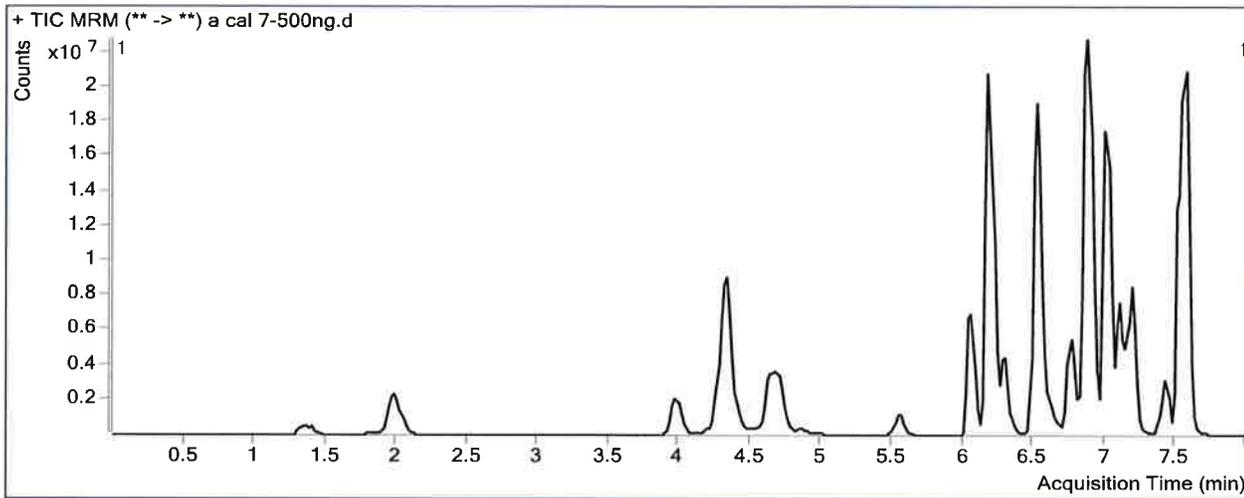
## Multi-Drug Confirmatory Analysis Report

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**Report Time** 9/28/2018 2:07 PM **Reporter Name** ISPUser  
**Last Calib Update** 9/28/2018 2:00 PM **Batch State** Processed

**Analysis Info**

**Acq Time** 2018-09-24 16:37 **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-B12 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28

**Sample Chromatogram**



**Results**

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.368	2092096	67450	31.0170	543.9400
Hydromorphone	Hydromorphone-D6	1.989	7757169	453613	17.1009	553.7147
Codeine	Codeine-D6	3.972	2981655	223005	13.3703	521.1954
Amphetamine	Amphetamine-D11	4.323	17077109	427200	39.9745	506.6880
Oxycodone	Oxycodone-D6	4.330	24620704	1724439	14.2775	516.2264
Hydrocodone	Hydrocodone-D6	4.635	8594956	890642	9.6503	503.7103
Norhydrocodone	Norhydrocodone-D3	4.658	376754	192483	1.9573	458.2436
Methamphetamine	Methamphetamine-D11	4.702	10915871	458377	23.8142	567.7564
6-MAM	6-MAM-D6	4.849	255874	190221	1.3451	52.2482
Phentermine	Phentermine-D5	5.546	4694207	807109	5.8161	488.1124
Dextrophan	Dextrophan-D3	6.063	9766125	1331031	7.3373	541.9975
7-aminoclonazepam	7-Aminoclonazepam-D4	6.174	12876459	908432	14.1744	517.7386
Tramadol	Tramadol-13C-D3	6.180	59926121	7067928	8.4786	465.5016
Metoprolol	Promethazine-D3	6.302	6297368	135503	46.4739	1093.6952
Doxylamine	Doxylamine-D5	6.522	38036141	3897153	9.7600	575.0774
Bupropion	Bupropion-D9	6.771	9679869	576843	16.7808	497.1005
Meprobamate	Meprobamate-D7	6.853	5971542	387629	15.4053	477.6133
Zolpidem	Zolpidem-D6	6.882	58680287	7589574	7.7317	477.8452
Venlafaxine	Venlafaxine-D6	7.006	44165850	3499960	12.6190	497.1982
Trazodone	Trazodone-D6	7.096	11478469	624784	18.3719	544.3426

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

TS

a cal 7-500ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.159	6482753	496030	13.0693	568.6411
Dextromethorphan	Dextromethorphan-D3	7.171	1544873	104560	14.7750	523.6901
Diphenhydramine	Diphenhydramine-D3	7.194	13783119	1133181	12.1632	552.3691
Promethazine	Promethazine-D3	7.389	2203647	135503	16.2627	556.0740
Clonazepam	Clonazepam-D4	7.425	6970387	98404	70.8341	531.4662
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.501	2561776	187925	13.6319	463.2512
Carisoprodol	Carisoprodol-D7	7.534	16990751	1320051	12.8713	534.8067
Lorazepam	Clonazepam-D4	7.543	2348490	98404	23.8657	526.6469
Alprazolam	Alprazolam-D5	7.568	36482242	2141522	17.0357	546.6710

# ISP FORENSICS - Pocatello Instrument # 59740

## Multi-Drug Confirmatory Analysis Report

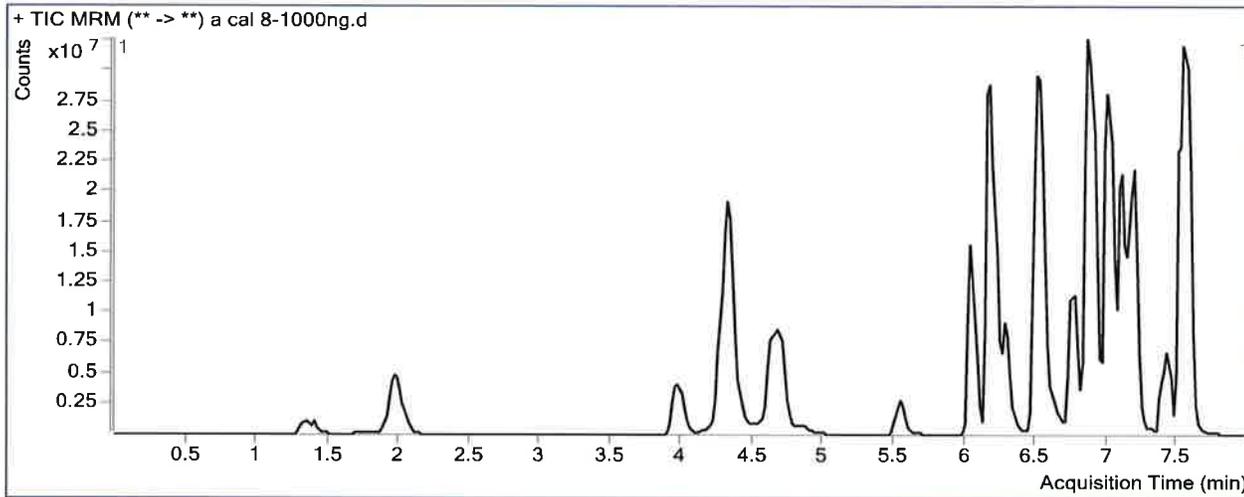
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**Analysis Time** 9/28/2018 2:00 PM **Analyst Name** ISPUser  
**Report Time** 9/28/2018 2:07 PM **Reporter Name** ISPUser  
**Last Calib Update** 9/28/2018 2:00 PM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-09-24 17:08 **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-A12 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.348	4606791	59880	76.9331	1347.7970
Hydromorphone	Hydromorphone-D6	1.969	16896657	483247	34.9648	1130.1707
Codeine	Codeine-D6	3.972	6309108	223332	28.2500	1098.6182
Amphetamine	Amphetamine-D11	4.303	36169104	541732	66.7657	857.7337
Oxycodone	Oxycodone-D6	4.330	55278313	2024590	27.3035	984.5833
Hydrocodone	Hydrocodone-D6	4.615	19332757	998968	19.3527	1007.1380
Norhydrocodone	Norhydrocodone-D3	4.658	878433	188423	4.6620	1056.8639
Methamphetamine	Methamphetamine-D11	4.682	27004279	568845	47.4722	1130.8442
6-MAM	6-MAM-D6	4.849	656643	225644	2.9101	112.8486
Phentermine	Phentermine-D5	5.546	12260684	977492	12.5430	1046.7734
Dextrorphan	Dextrorphan-D3	6.043	22362575	1507462	14.8346	1093.8936
7-aminoclonazepam	7-Aminoclonazepam-D4	6.154	24976221	922725	27.0679	986.7055
Tramadol	Tramadol-13C-D3	6.180	90501442	7930553	11.4117	626.5566
Metoprolol	Promethazine-D3	6.281	12840248	299895	42.8159	1005.3530
Doxylamine	Doxylamine-D5	6.522	75368944	5064231	14.8826	876.8791
Bupropion	Bupropion-D9	6.771	22532199	652860	34.5131	1019.8451
Meprobamate	Meprobamate-D7	6.853	12573987	384420	32.7089	1011.6019
Zolpidem	Zolpidem-D6	6.882	91781786	8506800	10.7892	666.3332
Venlafaxine	Venlafaxine-D6	7.006	74878404	4234164	17.6843	696.2303
Trazodone	Trazodone-D6	7.096	36462824	1055160	34.5567	1022.1076

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

TS

a cal 8-1000ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.139	17837747	704005	25.3375	1101.0658
Dextromethorphan	Dextromethorphan-D3	7.171	5080272	159730	31.8053	1125.1602
Diphenhydramine	Diphenhydramine-D3	7.194	36757932	1757906	20.9101	948.2699
Promethazine	Promethazine-D3	7.389	9835816	299895	32.7976	1119.4908
Clonazepam	Clonazepam-D4	7.425	14892224	104534	142.4634	1067.4064
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.501	5958867	189110	31.5101	1061.6920
Carisoprodol	Carisoprodol-D7	7.534	29632160	1237613	23.9430	993.9725
Lorazepam	Clonazepam-D4	7.543	6496153	104534	62.1441	1368.4044
Alprazolam	Alprazolam-D5	7.568	56236970	1952179	28.8073	924.4401

# ISP FORENSICS - Pocatello Instrument # 59740

## Multi-Drug Confirmatory Analysis Report

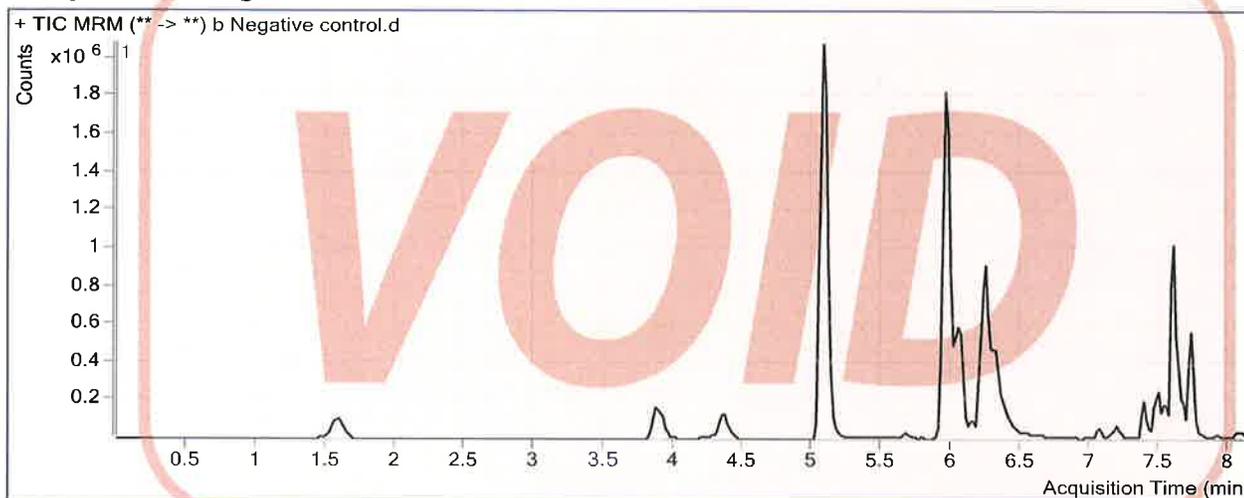
TS

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**Analysis Time** 9/27/2018 9:36 AM **Analyst Name** ISPUser  
**Report Time** 9/27/2018 3:47 PM **Reporter Name** ISPUser  
**Last Calib Update** 9/27/2018 9:36 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-09-24 18:58 **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-D11 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.521	43715	154219	0.2835	19.0453
Sertraline	Sertraline-D3	7.583	20026	50325	0.3979	21.6272
Buprenorphine	Buprenorphine-D4	7.616	2201	98048	0.0225	3.2069

\*Negative Control re-injected due to carryover. - TS

TS

# ISP FORENSICS - Pocatello Instrument # 59740

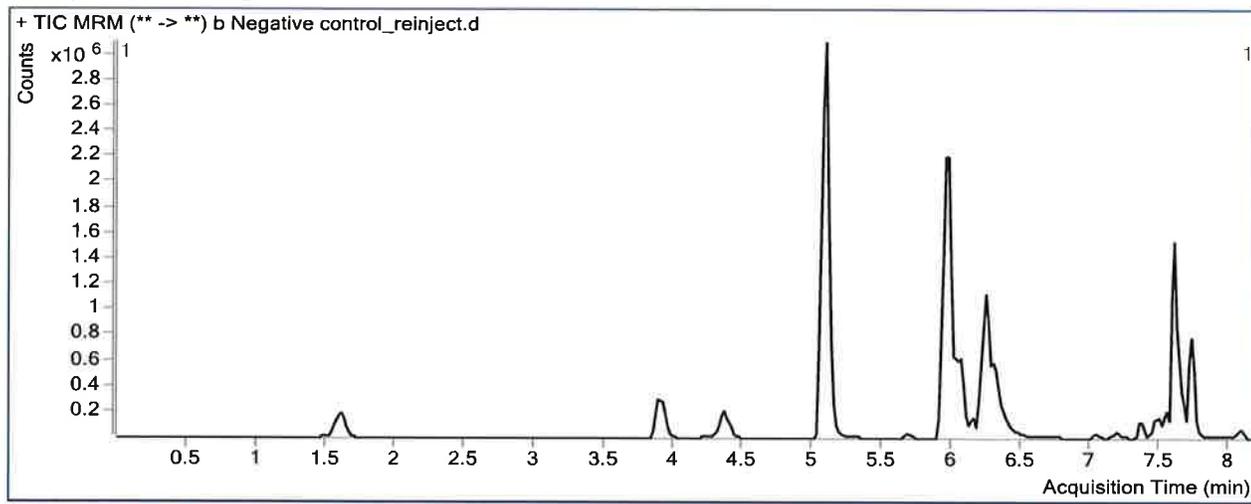
## Multi-Drug Confirmatory Analysis Report

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**Report Time** 9/27/2018 3:47 PM **Reporter Name** ISPUser  
**Last Calib Update** 9/27/2018 9:36 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-09-25 10:30 **Data File** b Negative control\_reinject.d  
**Sample Type** Sample **Sample Name** b Negative control\_reinject  
**Dilution** 1 **Acq Method** MD Quant Panel 1b 7-11-18\_volume test.m  
**Position** P1-D11 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Buprenorphine	Buprenorphine-D4	7.717	554	56731	0.0098	2.9575 * Compound not evaluated. TS

\* Negative control was reinjected due to carryover in the initial injection. -TS

TS

# ISP FORENSICS - Pocatello Instrument # 59740

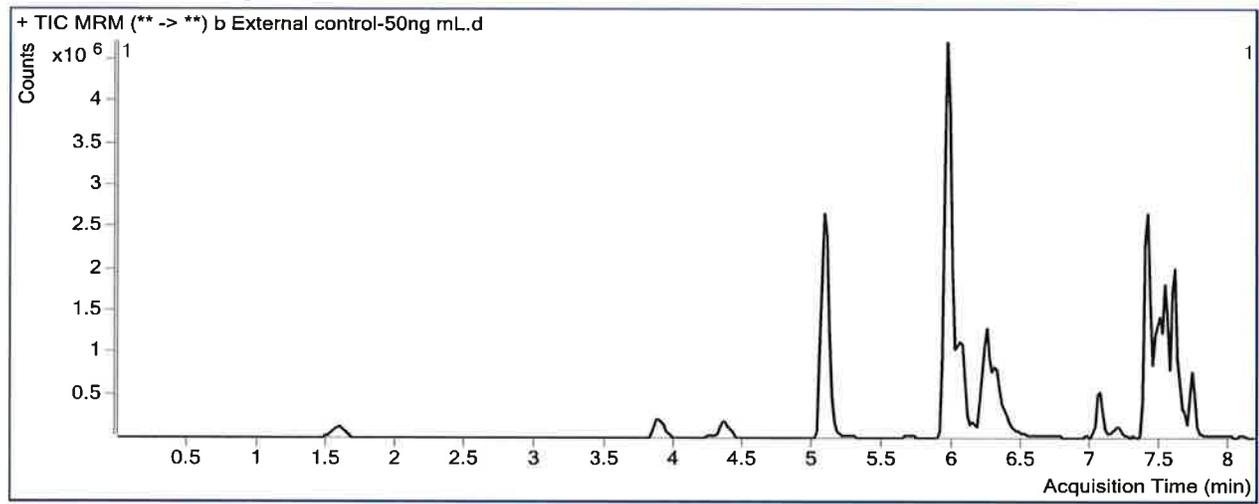
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\092418 MDQ TS\QuantResults\P1b MDQ TS.batch.bin  
**Analysis Time** 9/27/2018 9:36 AM **Analyst Name** ISPUser  
**Report Time** 9/27/2018 3:47 PM **Reporter Name** ISPUser  
**Last Calib Update** 9/27/2018 9:36 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-09-24 19:30 **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-C11 **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>Ketamine</u>	Ketamine-D4	5.962	7100689	5102679	1.3916	<u>58.9946</u>
<u>Quetiapine</u>	Quetiapine-D8	7.399	5556312	1243035	4.4700	<u>40.3075</u>
Oxazepam	Oxazepam-D5	7.608	14037	404019	0.0347	1.9571
Buprenorphine	Buprenorphine-D4	7.616	674	591471	0.0011	2.7877

25 TS  
 • Compound not evaluated. -TS

# ISP FORENSICS - Pocatello Instrument # 59740

## Multi-Drug Confirmatory Analysis Report

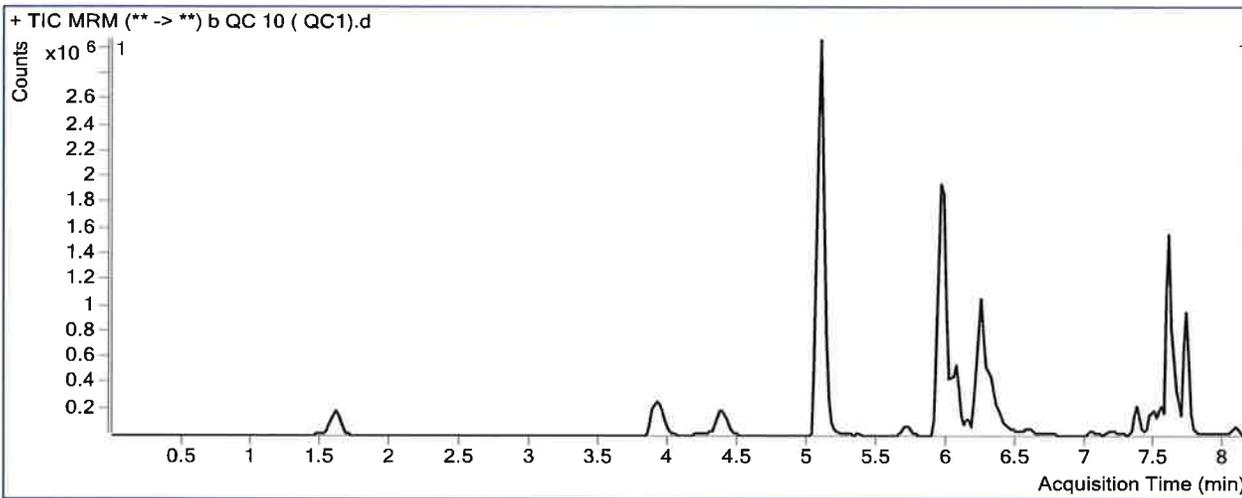
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**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\092418 MDQ TS\QuantResults\P1b MDQ TS.batch.bin  
**Analysis Time** 9/27/2018 9:36 AM **Analyst Name** ISPUser  
**Report Time** 9/27/2018 3:47 PM **Reporter Name** ISPUser  
**Last Calib Update** 9/27/2018 9:36 AM **Batch State** Processed

**Analysis Info**

**Acq Time** 2018-09-25 11:33 **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-H11 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28

**Sample Chromatogram**



**Results**

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.608	184622	860931	0.2144	9.4389
Dihydrocodeine	Dihydrocodeine-D6	3.950	177871	1126298	0.1579	10.8224
Noroxycodone	Noroxycodone-D3	4.411	233364	905127	0.2578	9.2848
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.100	2093451	10850459	0.1929	10.4299
<del>Benzoylcegonine</del>	<del>Benzoylcegonine-d8</del>	<del>5.711</del>	<del>61012</del>	<del>91885</del>	<del>0.6640</del>	<del>49.3985</del> <i>outside curve range. TS</i>
<del>Ketamine</del>	<del>Ketamine-D4</del>	<del>5.962</del>	<del>820611</del>	<del>4336213</del>	<del>0.1892</del>	<del>9.2620</del>
<del>Norfentanyl</del>	<del>Norfentanyl-D5</del>	<del>6.004</del>	<del>59308</del>	<del>3997840</del>	<del>0.0148</del>	<del>1.5419</del> <i>outside curve range. TS</i>
<del>Cocaine</del>	<del>Cocaine-d3</del>	<del>6.232</del>	<del>231650</del>	<del>3737861</del>	<del>0.0620</del>	<del>9.5254</del>
<del>alpha-PVP</del>	<del>alpha-PVP-d8</del>	<del>6.328</del>	<del>207734</del>	<del>1614705</del>	<del>0.1287</del>	<del>8.2967</del>
<del>Mirtazapine</del>	<del>alpha-PVP-d8</del>	<del>6.583</del>	<del>78776</del>	<del>1614705</del>	<del>0.0488</del>	<del>26.6513</del> <i>outside curve range. TS</i>
<del>Fentanyl</del>	<del>Fentanyl-D5</del>	<del>7.078</del>	<del>1420</del>	<del>110459</del>	<del>0.0129</del>	<del>1.5305</del> <i>outside curve range. TS</i>
<del>Mitragynine</del>	<del>EDDP-D3</del>	<del>7.136</del>	<del>9457</del>	<del>123434</del>	<del>0.0766</del>	<del>0.0000</del> <i>outside curve range. TS</i>
<del>EDDP</del>	<del>EDDP-D3</del>	<del>7.189</del>	<del>19303</del>	<del>123434</del>	<del>0.1564</del>	<del>9.2020</del>
<del>Quetiapine</del>	<del>Quetiapine-D8</del>	<del>7.359</del>	<del>289547</del>	<del>302569</del>	<del>0.9570</del>	<del>10.2879</del>
<del>Cyclobenzaprine</del>	<del>Cyclobenzaprine-D3</del>	<del>7.452</del>	<del>13294</del>	<del>69280</del>	<del>0.1919</del>	<del>9.8431</del>
<del>Methadone</del>	<del>Methadone-D9</del>	<del>7.482</del>	<del>67055</del>	<del>398981</del>	<del>0.1681</del>	<del>8.0186</del>
<del>Fluoxetine</del>	<del>Fluoxetine-D6</del>	<del>7.521</del>	<del>29187</del>	<del>195652</del>	<del>0.1492</del>	<del>13.7990</del> <i>outside curve range. TS</i>
<del>Oxazepam</del>	<del>Oxazepam-D5</del>	<del>7.568</del>	<del>52562</del>	<del>360383</del>	<del>0.1459</del>	<del>8.5417</del>
<del>Sertraline</del>	<del>Sertraline-D3</del>	<del>7.603</del>	<del>17059</del>	<del>118057</del>	<del>0.1445</del>	<del>9.8251</del>

TS

# ISP FORENSICS - Pocatello Instrument # 59740

## Multi-Drug Confirmatory Analysis Report

b QC10(QC1)

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Temazepam	Temazepam-D5	7.605	596584	3603786	0.1655	10.0935
<del>Buprenorphine</del>	<del>Buprenorphine-D4</del>	<del>7.636</del>	<del>603</del>	<del>45580</del>	<del>0.0132</del>	<del>3.0255</del> Not evaluated. TS
Nordiazepam	Nordiazepam-D5	7.675	137280	460607	0.2980	11.7102
Diazepam	Diazepam-D5	7.731	330363	1871906	0.1765	9.2046

TS

# ISP FORENSICS - Pocatello Instrument # 59740

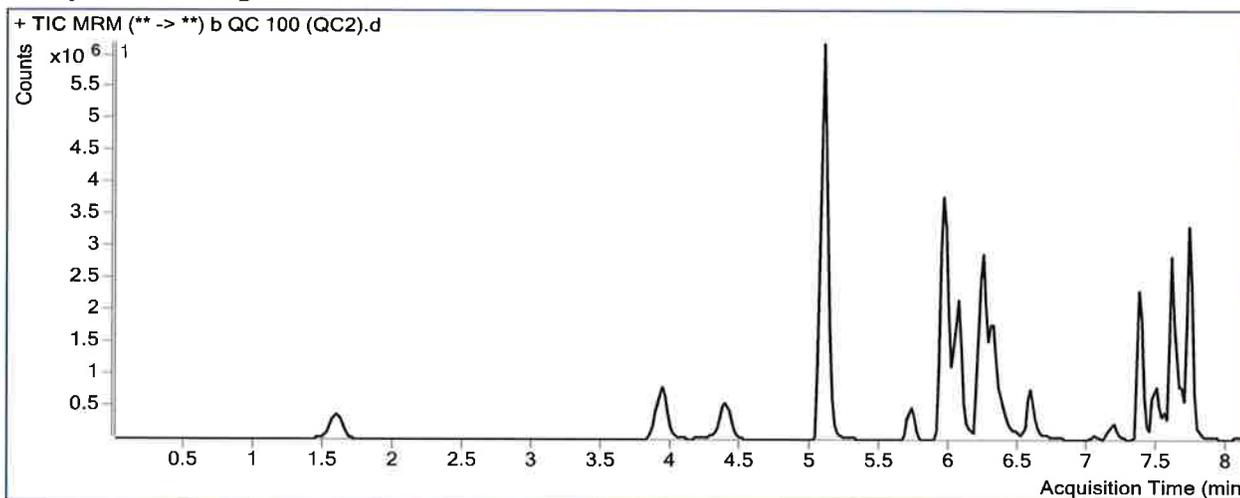
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\092418 MDQ TS\QuantResults\P1b MDQ TS.batch.bin  
**Analysis Time** 9/27/2018 9:36 AM **Analyst Name** ISPUser  
**Report Time** 9/27/2018 3:48 PM **Reporter Name** ISPUser  
**Last Calib Update** 9/27/2018 9:36 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-09-25 14:41 **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-G11 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.588	1683379	602255	2.7951	85.1595
Dihydrocodeine	Dihydrocodeine-D6	3.930	1612467	809518	1.9919	98.3431
Noroxycodone	Noroxycodone-D3	4.391	2231515	712936	3.1300	93.9381
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.100	16900229	8099567	2.0866	100.4845
Benzoylcegonine	Benzoylcegonine-d8	5.711	554653	70565	7.8602	219.0344
Ketamine	Ketamine-D4	5.962	8103811	3486143	2.3246	97.5880
Norfentanyl	Norfentanyl-D5	6.004	774336	4029263	0.1922	9.4172
Cocaine	Cocaine-d3	6.232	2594660	3355263	0.7733	98.1599
alpha-PVP	alpha-PVP-d8	6.328	3378897	1909110	1.7699	95.9474
Mirtazapine	alpha-PVP-d8	6.583	1768178	1909110	0.9262	99.6369
<del>Norbuprenorphine</del>	<del>Norbuprenorphine-D3</del>	<del>6.974</del>	<del>418</del>	<del>5123</del>	<del>0.0816</del>	<del>3.7688</del> <i>Not evaluated.</i>
Fentanyl	Fentanyl-D5	7.038	15825	133375	0.1187	7.4885
Mitragynine	EDDP-D3	7.136	144260	207103	0.6966	50.1312
EDDP	EDDP-D3	7.189	418574	207103	2.0211	96.4954
Quetiapine	Quetiapine-D8	7.359	5164763	461791	11.1842	97.6829
Cyclobenzaprine	Cyclobenzaprine-D3	7.452	86876	51387	1.6906	87.4477
Methadone	Methadone-D9	7.482	1286911	551082	2.3352	83.1758
Fluoxetine	Fluoxetine-D6	7.521	144388	112909	1.2788	57.9317
Oxazepam	Oxazepam-D5	7.547	371247	228974	1.6214	95.9852

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

TS

b QC 100 (QC2)

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Sertraline	Sertraline-D3	7.583	52081	32849	1.5854	76.9289
Temazepam	Temazepam-D5	7.605	4395633	2337284	1.8807	95.6747
<del>Buprenorphine</del>	<del>Buprenorphine-D4</del>	<del>7.496</del>	<del>20418</del>	<del>69376</del>	<del>0.2943</del>	<del>8.5538</del> Not evaluated. TS
Nordiazepam	Nordiazepam-D5	7.675	1359025	353352	3.8461	100.3257
Diazepam	Diazepam-D5	7.731	3527552	1394592	2.5295	96.8796

TS

# ISP FORENSICS - Pocatello Instrument # 59740

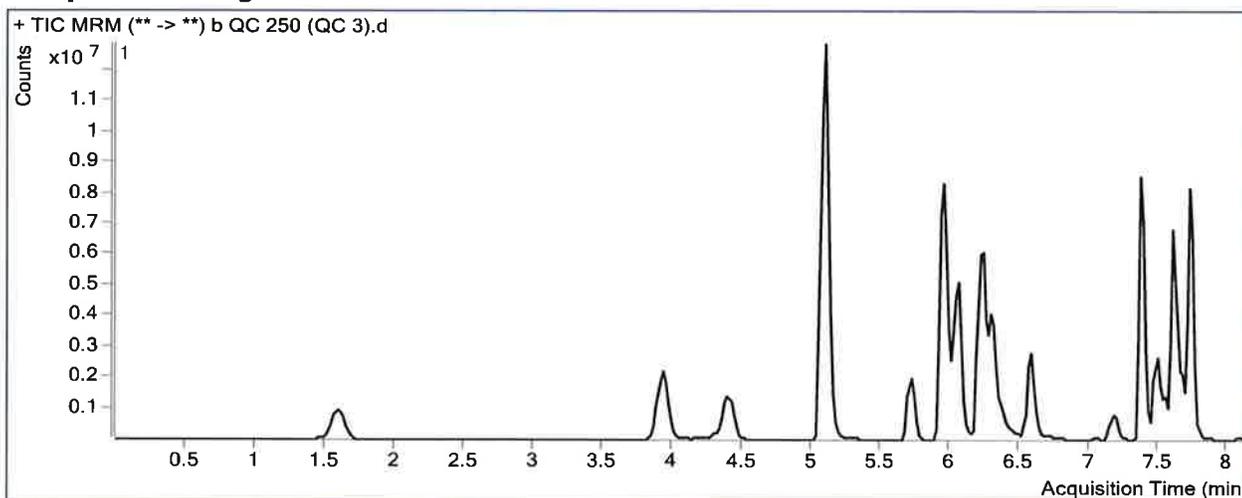
## Multi-Drug Confirmatory Analysis Report

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**Analysis Time** 9/27/2018 9:36 AM **Analyst Name** ISPUser  
**Report Time** 9/27/2018 3:48 PM **Reporter Name** ISPUser  
**Last Calib Update** 9/27/2018 9:36 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-09-25 18:21 **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-F11 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.588	4792953	645887	7.4207	220.8808
Dihydrocodeine	Dihydrocodeine-D6	3.930	4661681	895943	5.2031	251.5893
Noroxycodone	Noroxycodone-D3	4.391	6320234	749542	8.4321	250.2076
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.100	45827149	8889930	5.1550	246.4074
Benzoylcegonine	Benzoylcegonine-d8	5.711	2279356	76455	29.8129	736.5262
Ketamine	Ketamine-D4	5.962	23268279	3937821	5.9089	245.8510
Norfentanyl	Norfentanyl-D5	6.004	2258500	4398137	0.5135	23.6866
Cocaine	Cocaine-d3	6.212	6673567	3414612	1.9544	245.3287
alpha-PVP	alpha-PVP-d8	6.328	8485955	1852960	4.5797	246.0059
Mirtazapine	alpha-PVP-d8	6.583	6481407	1852960	3.4979	313.5619
<del>Norbuprenorphine</del>	<del>Norbuprenorphine-D3</del>	<del>6.954</del>	<del>3143</del>	<del>8459</del>	<del>0.3716</del>	<del>17.8846</del> <i>Not evaluated.</i>
Fentanyl	Fentanyl-D5	7.038	74795	196880	0.3799	22.2005
Mitragynine	EDDP-D3	7.136	587355	269046	2.1831	216.4412
EDDP	EDDP-D3	7.189	1520970	269046	5.6532	266.5273
Quetiapine	Quetiapine-D8	7.359	19219484	680008	28.2636	243.6318
Cyclobenzaprine	Cyclobenzaprine-D3	7.452	589372	94597	6.2304	322.5136
Methadone	Methadone-D9	7.482	5049952	745050	6.7780	237.2500
Fluoxetine	Fluoxetine-D6	7.521	1135689	213290	5.3246	215.9961
Oxazepam	Oxazepam-D5	7.547	1261593	279707	4.5104	267.2012

TS

# ISP FORENSICS - Pocatello Instrument # 59740

## Multi-Drug Confirmatory Analysis Report

b QC 250 (QC3)

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Sertraline	Sertraline-D3	7.583	570631	113751	5.0165	236.7094
Temazepam	Temazepam-D5	7.605	12822038	2588906	4.9527	248.9635
<del>Buprenorphine</del>	<del>Buprenorphine-D4</del>	<del>7.496</del>	<del>74665</del>	<del>79064</del>	<del>0.9444</del>	<del>21.3388</del> <i>Not evaluated.</i>
Nordiazepam	Nordiazepam-D5	7.675	3857809	367487	10.4978	266.4573
Diazepam	Diazepam-D5	7.731	9765967	1494514	6.5345	246.1154

TS

# ISP FORENSICS - Pocatello Instrument # 59740

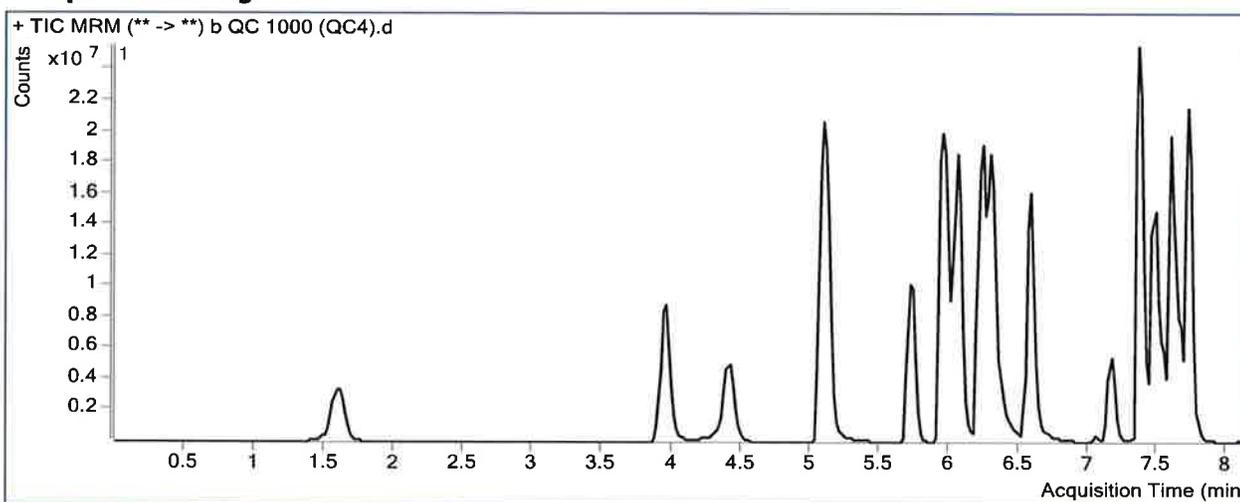
## Multi-Drug Confirmatory Analysis Report

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**Analysis Time** 9/27/2018 9:36 AM **Analyst Name** ISPUser  
**Report Time** 9/27/2018 3:48 PM **Reporter Name** ISPUser  
**Last Calib Update** 9/27/2018 9:36 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-09-25 20:42 **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-E11 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.608	18971232	579694	32.7263	963.3794
Dihydrocodeine	Dihydrocodeine-D6	3.950	18409874	884633	20.8107	996.4208
Noroxycodone	Noroxycodone-D3	4.411	24194439	665813	36.3382	1072.6882
<del>O-desmethyl-tramadol</del>	<del>O-desmethyl-tramadol-D6</del>	<del>5.100</del>	<del>100873946</del>	<del>7873547</del>	<del>12.8118</del>	<del>610.5405</del> <i>outside curve range. TS</i>
Benzoylcegonine	Benzoylcegonine-d8	5.711	13300370	66255	200.7449	4765.9049
Ketamine	Ketamine-D4	5.962	72563785	3626424	20.0097	829.1178
Norfentanyl	Norfentanyl-D5	6.004	10991643	4489222	2.4485	109.6110
Cocaine	Cocaine-d3	6.232	25799257	2942520	8.7677	1094.2883
alpha-PVP	alpha-PVP-d8	6.308	40564088	2253010	18.0044	962.9599
Mirtazapine	alpha-PVP-d8	6.583	37199746	2253010	16.5111	1396.0658
<del>Norbuprenorphine</del>	<del>Norbuprenorphine-D3</del>	<del>6.974</del>	<del>17395</del>	<del>8737</del>	<del>1.9910</del>	<del>96.6930</del> <i>Not evaluated TS</i>
Fentanyl	Fentanyl-D5	7.038	575680	290699	1.9803	112.3259
Mitragynine	EDDP-D3	7.136	3508625	378423	9.2717	1009.4932
<del>EDDP</del>	<del>EDDP-D3</del>	<del>7.168</del>	<del>10386154</del>	<del>378423</del>	<del>27.4459</del>	<del>1286.7195</del> <i>Outside curve range. TS</i>
Quetiapine	Quetiapine-D8	7.359	62985850	912178	69.0500	592.1637 <i>outside curve range. TS</i>
Cyclobenzaprine	Cyclobenzaprine-D3	7.452	4287514	147763	29.0161	1502.3546
Methadone	Methadone-D9	7.482	30475746	1146868	26.5730	923.7366
Fluoxetine	Fluoxetine-D6	7.521	5893663	239834	24.5740	968.0411
<del>Oxazepam</del>	<del>Oxazepam-D5</del>	<del>7.547</del>	<del>5716224</del>	<del>289361</del>	<del>19.7546</del>	<del>1170.6260</del> <i>outside curve range. TS</i>

TS

# ISP FORENSICS - Pocatello Instrument # 59740

## Multi-Drug Confirmatory Analysis Report

b GC 1000 (QC4)

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Sertraline	Sertraline-D3	7.583	2682333	121724	22.0362	1029.3056
Temazepam	Temazepam-D5	7.605	41225668	2122773	19.4207	970.8901
<del>Buprenorphine</del>	<del>Buprenorphine-D4</del>	<del>7.475</del>	<del>373492</del>	<del>116819</del>	<del>3.1972</del>	<del>65.6468</del> <i>Not calculated</i>
Nordiazepam	Nordiazepam-D5	7.675	14182104	323530	43.8355	1099.0944
Diazepam	Diazepam-D5	7.731	32478453	1251337	25.9550	969.7508

# ISP Forensics Calibration Curve Report

TS

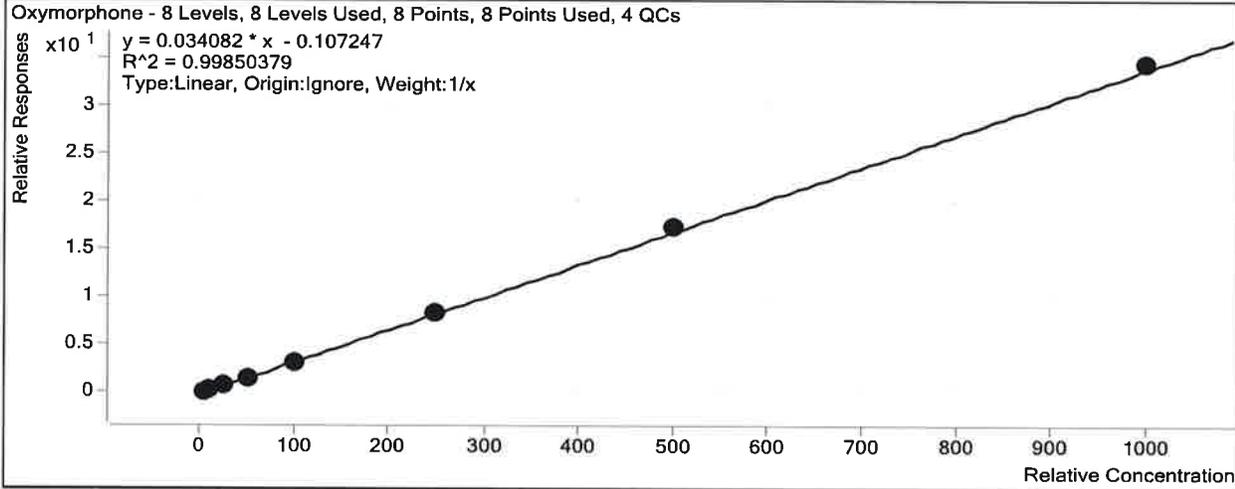
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**Last Calib Update** 9/27/2018 9:36 AM

**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	6.5	129.9
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.2	102.3
b QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	9.4	94.4
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	21.2	84.8
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	45.5	91.0
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	90.7	90.7
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	85.2	85.2
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	246.0	98.4
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	220.9	88.4
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	509.5	101.9
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1010.4	101.0
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	963.4	96.3

# ISP Forensics Calibration Curve Report

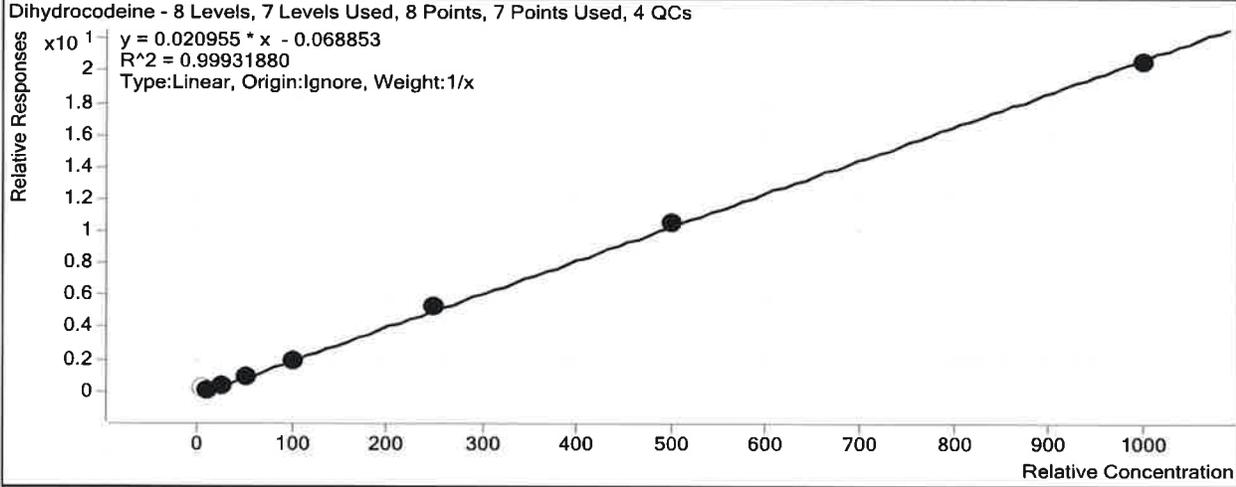
TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\092418 MDQ TS\QuantResults\P1b MDQ TS.batch.bin

**Last Calib Update** 9/27/2018 9:36 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 type="checkbox"/>	5	11.4	228.3
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.7	106.7
b QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	10.8	108.2
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.0	92.0
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.7	99.5
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.2	97.2
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	98.3	98.3
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	260.8	104.3
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	251.6	100.6
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	508.7	101.7
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	984.8	98.5
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	996.4	99.6

# ISP Forensics Calibration Curve Report

TS

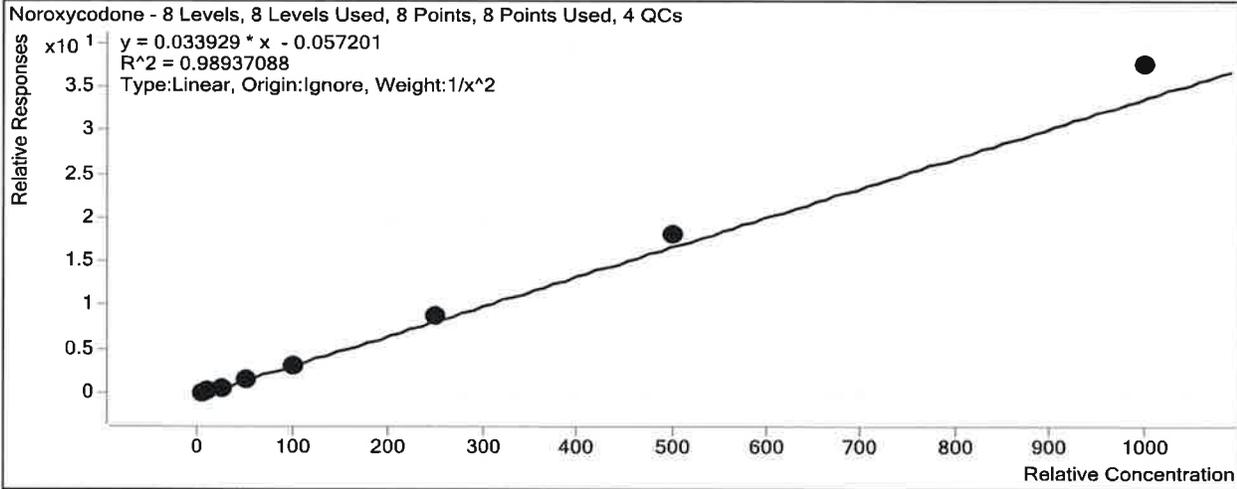
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**Last Calib Update** 9/27/2018 9:36 AM

**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	5.3	106.3
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.5	94.6
b QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	9.3	92.8
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	20.9	83.6
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.2	96.4
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	95.7	95.7
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	93.9	93.9
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	264.3	105.7
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	250.2	100.1
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	534.9	107.0
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1106.8	110.7
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1072.7	107.3

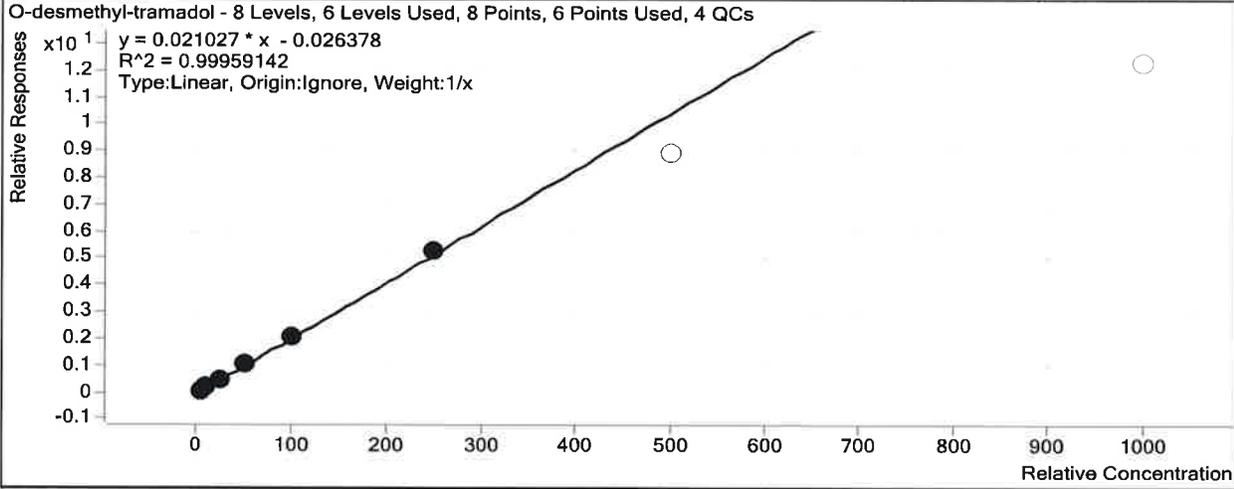
# ISP Forensics Calibration Curve Report

TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\092418 MDQ TS\QuantResults\P1b MDQ TS.batch.bin

**Last Calib Update** 9/27/2018 9:36 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	5.3	106.6
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	98.3
b QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	10.4	104.3
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.5	94.2
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.7	101.4
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.9	98.9
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	100.5	100.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	251.7	100.7
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	246.4	98.6
b cal 7-500ng	7	<input type="checkbox"/>	500	425.1	85.0
b cal 8-1000ng	8	<input type="checkbox"/>	1000	585.2	58.5
b QC 1000 (QC4)	8	<input type="checkbox"/>	1000	610.5	61.1

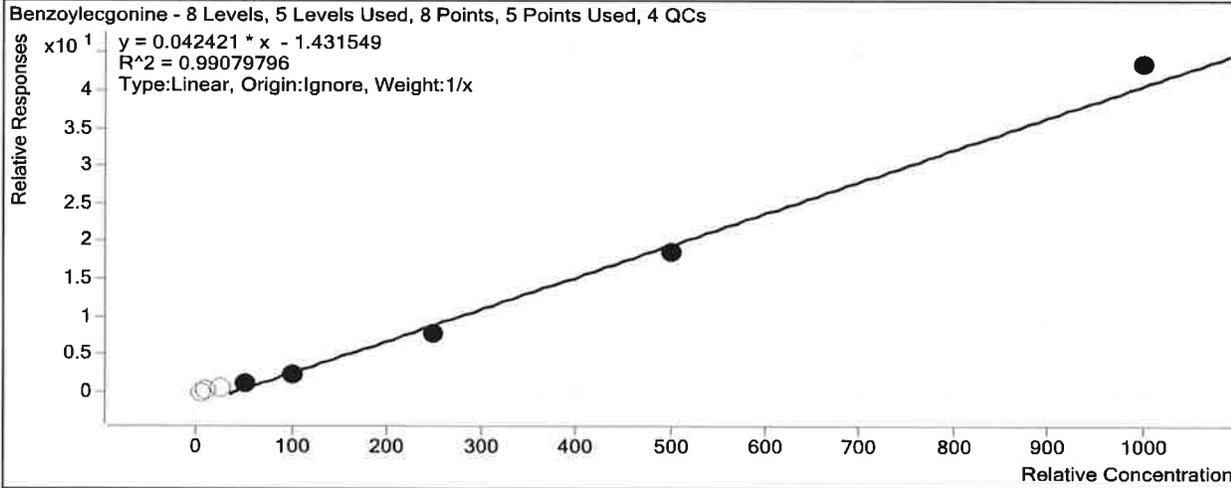
# ISP Forensics Calibration Curve Report



**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\092418 MDQ TS\QuantResults\P1b MDQ TS.batch.bin

**Last Calib Update** 9/27/2018 9:36 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 type="checkbox"/>	5	36.1	721.1
b cal 2-10ng	2	<input type="checkbox"/>	10	37.9	379.4
b QC 10 ( QC1)	2	<input type="checkbox"/>	10	49.4	494.0
b cal 3-25ng	3	<input type="checkbox"/>	25	43.8	175.1
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	59.7	119.4
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	93.2	93.2
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	219.0	219.0
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	219.0	87.6
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	736.5	294.6
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	470.0	94.0
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1058.1	105.8
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	4765.9	476.6

# ISP Forensics Calibration Curve Report

TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\092418 MDQ TS\QuantResults\P1b MDQ TS.batch.bin

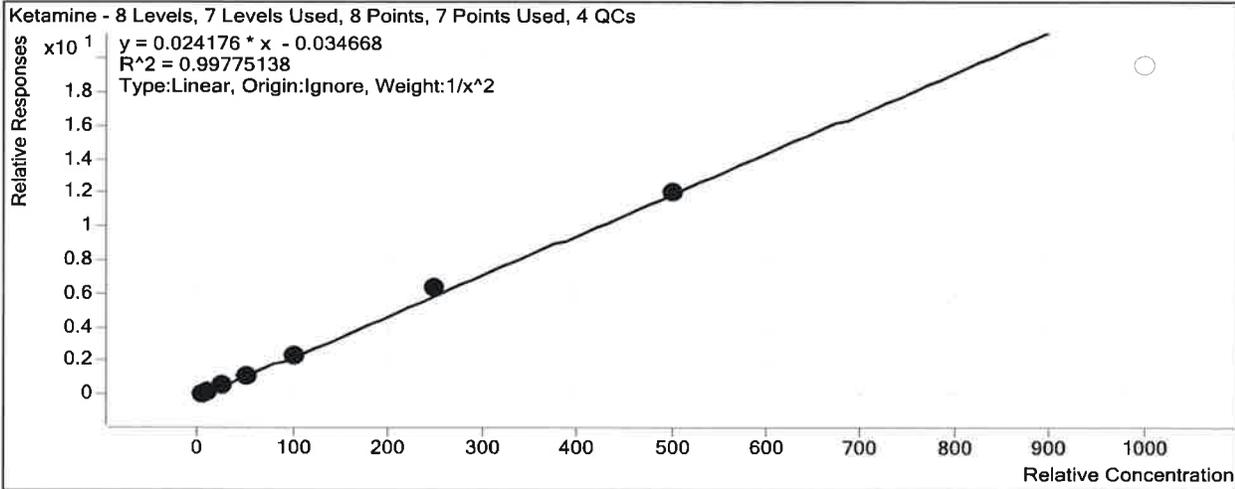
**Last Calib Update** 9/27/2018 9:36 AM

**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	5.1	101.7
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	99.2
b QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	9.3	92.6
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.4	93.5
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.7	99.3
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.2	99.2
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	97.6	97.6
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	267.6	107.0
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	245.9	98.3
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	500.4	100.1
b cal 8-1000ng	8	<input type="checkbox"/>	1000	811.4	81.1
b QC 1000 (QC4)	8	<input type="checkbox"/>	1000	829.1	82.9

# ISP Forensics Calibration Curve Report

TS

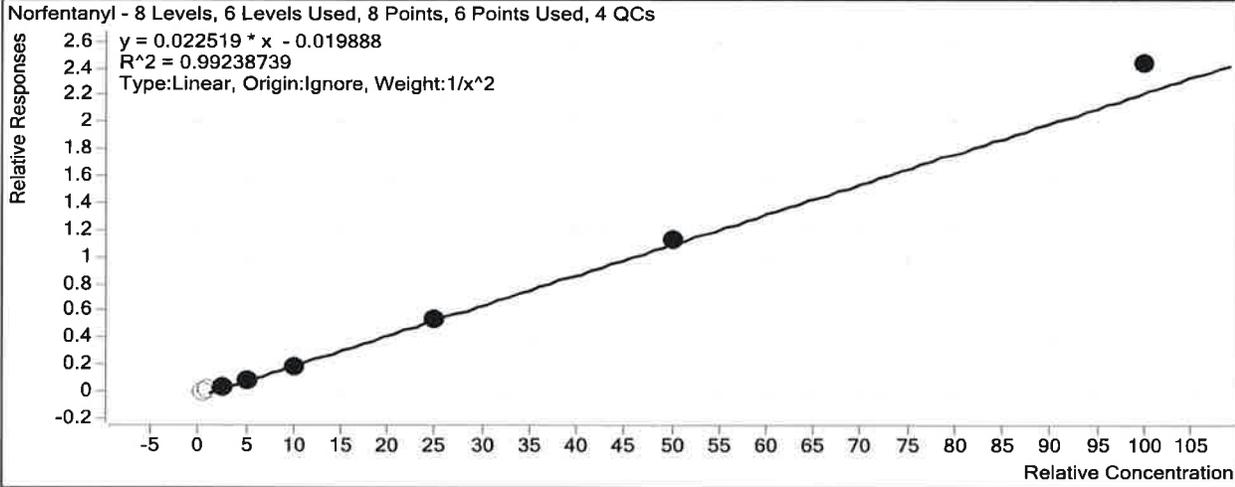
**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\092418 MDQ TS\QuantResults\P1b MDQ TS.batch.bin

**Last Calib Update** 9/27/2018 9:36 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	1.2	238.8
b cal 2-10ng	2	<input type="checkbox"/>	1	1.5	150.4
b QC 10 ( QC1)	2	<input type="checkbox"/>	1	1.5	154.2
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.6	105.0
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.7	94.5
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.0	89.7
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	10	9.4	94.2
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	24.9	99.8
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	25	23.7	94.7
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	51.0	101.9
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	109.0	109.0
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	100	109.6	109.6

# ISP Forensics Calibration Curve Report

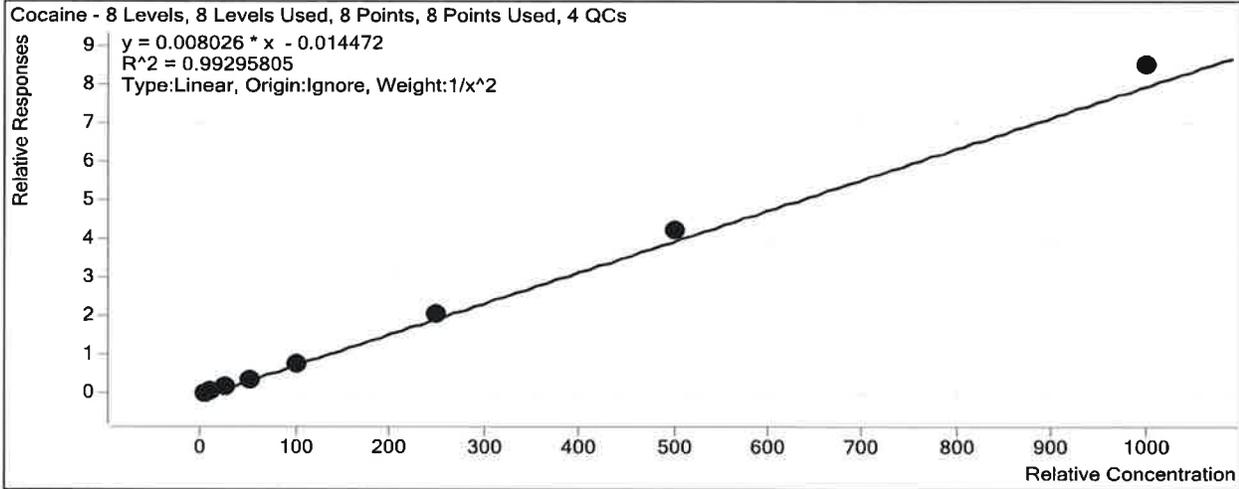
TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\092418 MDQ TS\QuantResults\P1b MDQ TS.batch.bin

**Last Calib Update** 9/27/2018 9:36 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	5.3	106.7
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.2	91.5
b QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	9.5	95.3
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	21.8	87.3
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.8	99.6
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.5	98.5
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	98.2	98.2
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	259.6	103.8
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	245.3	98.1
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	531.4	106.3
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1062.6	106.3
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1094.3	109.4

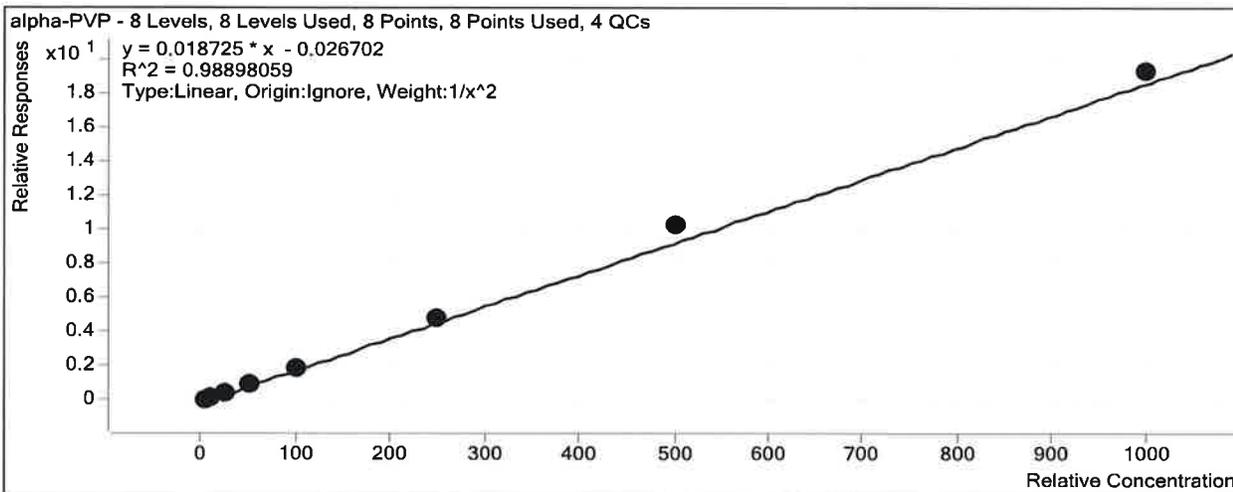
# ISP Forensics Calibration Curve Report

TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\092418 MDQ TS\QuantResults\P1b MDQ TS.batch.bin

**Last Calib Update** 9/27/2018 9:36 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	5.4	107.9
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.1	90.7
b QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	8.3	83.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	20.6	82.6
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.9	99.8
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.8	102.8
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	95.9	95.9
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	256.5	102.6
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	246.0	98.4
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	552.6	110.5
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1031.6	103.2
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	963.0	96.3

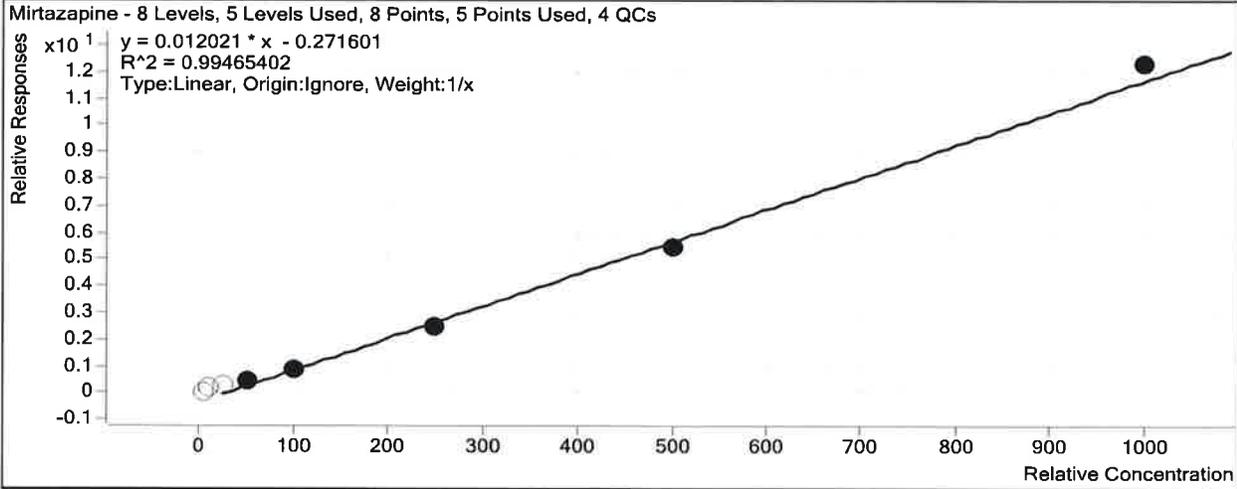
# ISP Forensics Calibration Curve Report

TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\092418 MDQ TS\QuantResults\P1b MDQ TS.batch.bin

**Last Calib Update** 9/27/2018 9:36 AM      **Analyst Name** ISP TOX

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



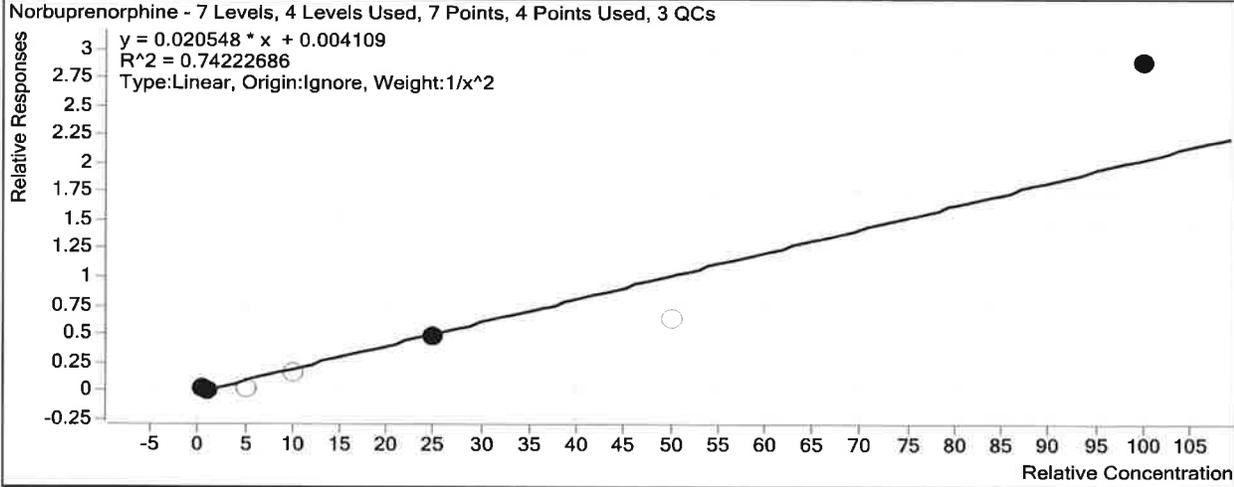
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input type="checkbox"/>	5	28.6	571.6
b cal 2-10ng	2	<input type="checkbox"/>	10	36.4	363.8
b QC 10 ( QC1)	2	<input type="checkbox"/>	10	26.7	266.5
b cal 3-25ng	3	<input type="checkbox"/>	25	44.7	178.7
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	57.9	115.8
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	92.6	92.6
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	99.6	99.6
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	230.7	92.3
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	313.6	125.4
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	474.3	94.9
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1044.5	104.4
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1396.1	139.6

# ISP Forensics Calibration Curve Report

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\092418 MDQ TS\QuantResults\P1b MDQ TS.batch.bin

**Last Calib Update** 9/27/2018 9:36 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 checked="" type="checkbox"/>	0.5	0.7	133.9
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	0.3	32.0
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	0.3	32.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	0.0	0.0
b cal 4-50ng	4	<input type="checkbox"/>	5	1.2	24.6
b cal 5-100ng	5	<input type="checkbox"/>	10	7.7	77.1
b QC 100 (QC2)	5	<input type="checkbox"/>	10	3.8	37.7
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	23.5	93.9
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	25	17.9	71.5
b cal 7-500ng	7	<input type="checkbox"/>	50	30.9	61.7
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	140.2	140.2
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	100	96.7	96.7

\* Not evaluated. - TS

# ISP Forensics Calibration Curve Report

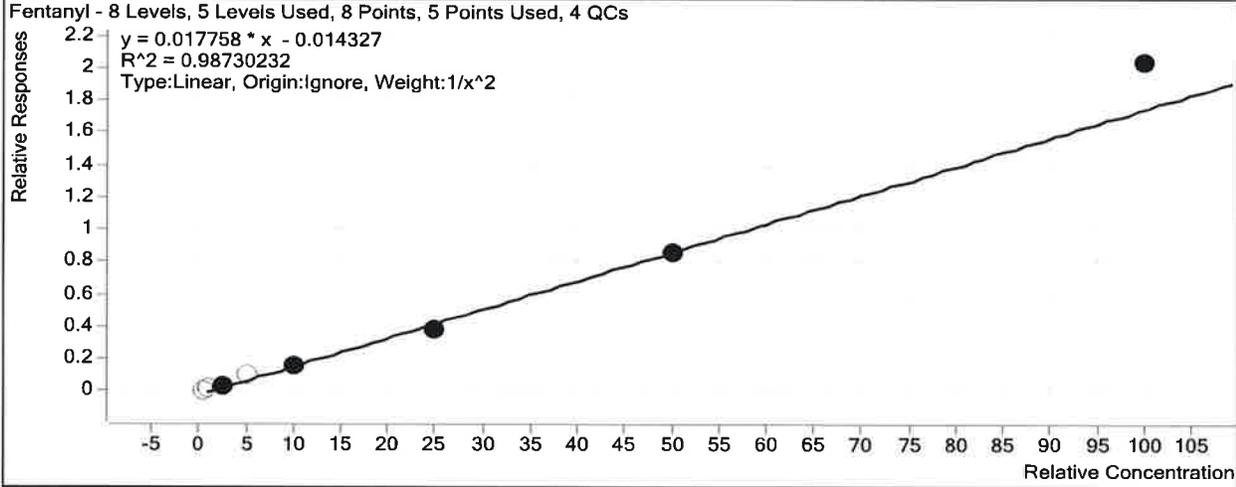
TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\092418 MDQ TS\QuantResults\P1b MDQ TS.batch.bin

**Last Calib Update** 9/27/2018 9:36 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	1.3	253.8
b cal 2-10ng	2	<input type="checkbox"/>	1	1.5	150.9
b QC 10 (QC1)	2	<input type="checkbox"/>	1	1.5	153.1
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.6	102.3
b cal 4-50ng	4	<input type="checkbox"/>	5	6.3	125.8
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.4	93.5
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	10	7.5	74.9
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	22.4	89.4
b QC 250 (QC3)	6	<input checked="" type="checkbox"/>	25	22.2	88.8
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	49.6	99.2
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	115.5	115.5
b QC 1000 (QC4)	8	<input type="checkbox"/>	100	112.3	112.3

- Peak cut-off. - TS

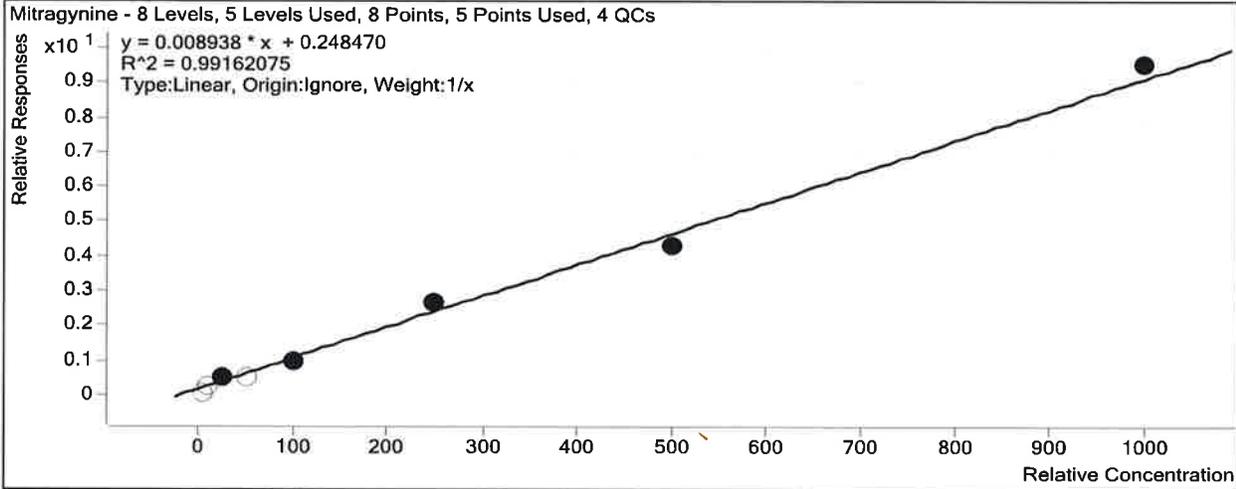
# ISP Forensics Calibration Curve Report

TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\092418 MDQ TS\QuantResults\P1b MDQ TS.batch.bin

**Last Calib Update** 9/27/2018 9:36 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 type="checkbox"/>	5	0.0	0.0
b cal 2-10ng	2	<input type="checkbox"/>	10	3.5	35.2
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	0.0	0.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	28.5	114.0
b cal 4-50ng	4	<input type="checkbox"/>	50	27.6	55.3
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	81.7	81.7
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	50.1	50.1
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	274.9	110.0
b QC 250 (QC3)	6	<input checked="" type="checkbox"/>	250	216.4	86.6
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	452.8	90.6
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1037.0	103.7
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1009.5	100.9

- Peak cut-off. - TS

# ISP Forensics Calibration Curve Report

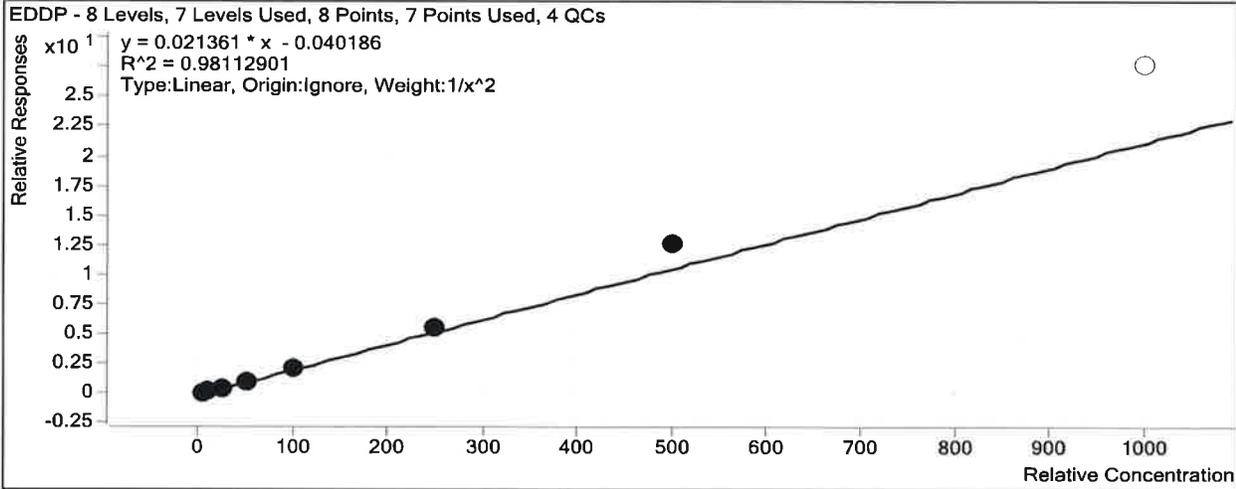
TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\092418 MDQ TS\QuantResults\P1b MDQ TS.batch.bin

**Last Calib Update** 9/27/2018 9:36 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 checked="" type="checkbox"/>	5	5.4	108.4
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.0	90.2
b QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	9.2	92.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	21.1	84.4
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	45.9	91.7
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.5	103.5
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	96.5	96.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	259.5	103.8
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	266.5	106.6
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	589.8	118.0
b cal 8-1000ng	8	<input type="checkbox"/>	1000	1298.0	129.8
b QC 1000 (QC4)	8	<input type="checkbox"/>	1000	1286.7	128.7

# ISP Forensics Calibration Curve Report

TS

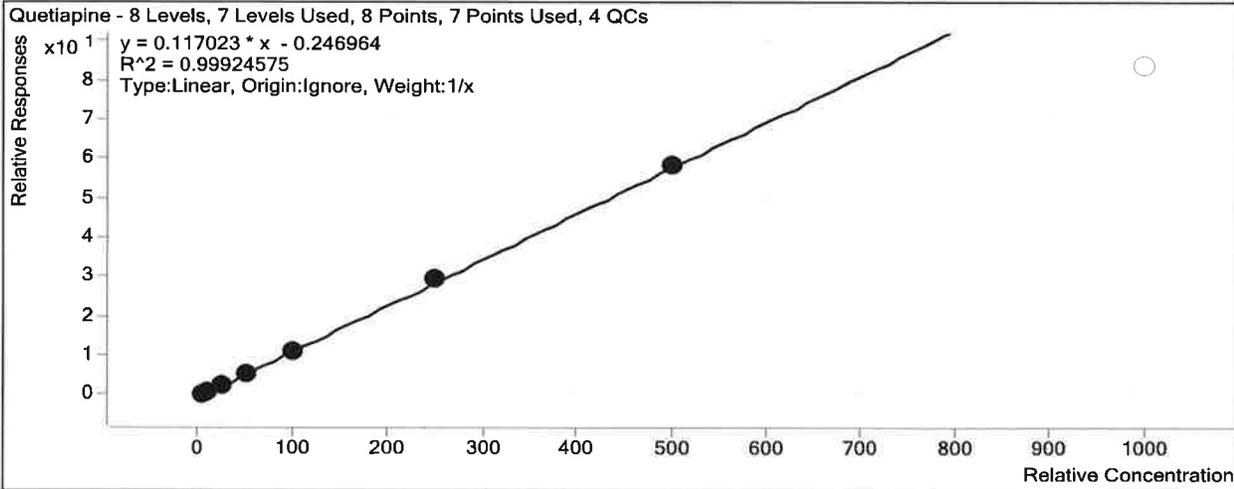
**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\092418 MDQ TS\QuantResults\P1b MDQ TS.batch.bin

**Last Calib Update** 9/27/2018 9:36 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	5.5	110.7
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.3	102.5
b QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	10.3	102.9
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	21.7	86.7
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.4	100.7
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.8	97.8
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	97.7	97.7
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	253.7	101.5
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	243.6	97.5
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	500.7	100.1
b cal 8-1000ng	8	<input type="checkbox"/>	1000	716.9	71.7
b QC 1000 (QC4)	8	<input type="checkbox"/>	1000	592.2	59.2

# ISP Forensics Calibration Curve Report

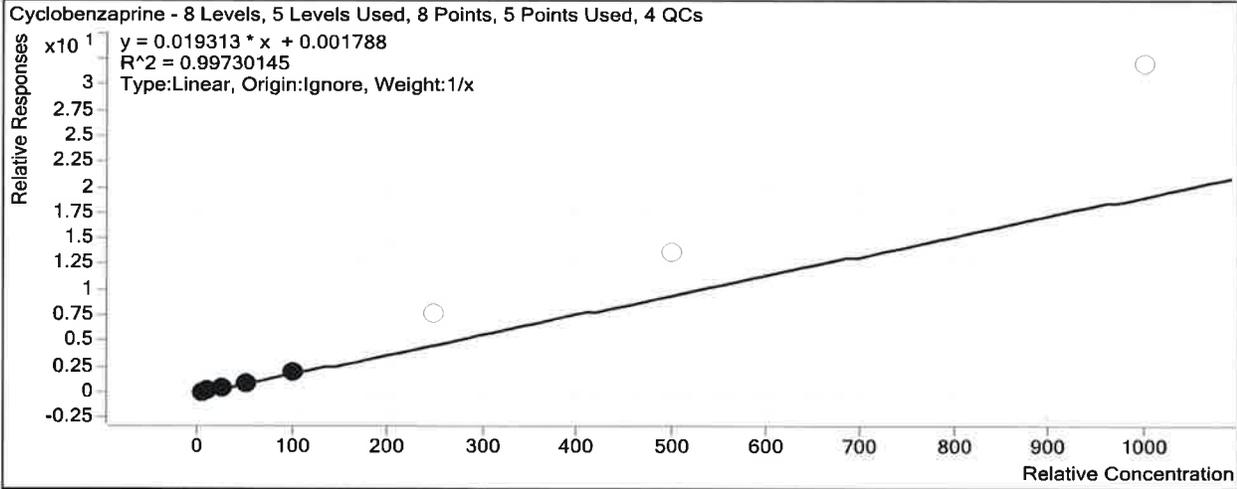
TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\092418 MDQ TS\QuantResults\P1b MDQ TS.batch.bin

**Last Calib Update** 9/27/2018 9:36 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	4.7	94.4
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	11.2	111.9
b QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	9.8	98.4
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.0	91.9
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.6	101.3
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.5	100.5
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	87.4	87.4
b cal 6-250ng	6	<input type="checkbox"/>	250	401.2	160.5
b QC 250 (QC 3)	6	<input type="checkbox"/>	250	322.5	129.0
b cal 7-500ng	7	<input type="checkbox"/>	500	715.8	143.2
b cal 8-1000ng	8	<input type="checkbox"/>	1000	1656.0	165.6
b QC 1000 (QC4)	8	<input type="checkbox"/>	1000	1502.4	150.2

# ISP Forensics Calibration Curve Report

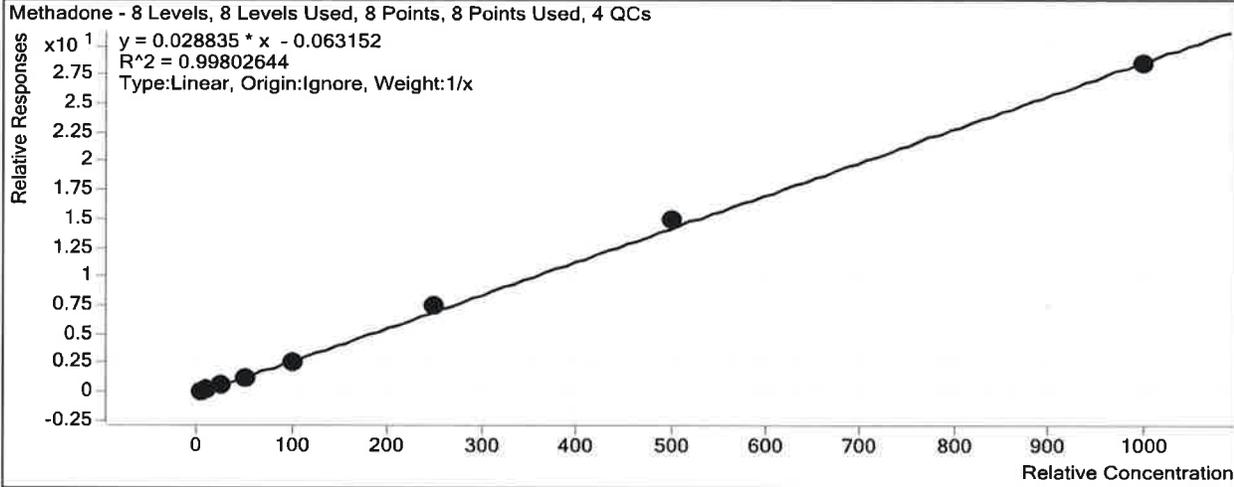
TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\092418 MDQ TS\QuantResults\P1b MDQ TS.batch.bin

**Last Calib Update** 9/27/2018 9:36 AM

**Analyst Name** ISP TOX

**Target Compound** *Methodone*  
**Internal Standard** *Methodone-D9*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	6.1	122.1
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.5	104.8
b QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	8.0	80.2
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.0	88.0
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	44.3	88.6
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	90.0	90.0
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	83.2	83.2
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	260.0	104.0
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	237.2	94.9
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	518.6	103.7
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	988.6	98.9
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	923.7	92.4

# ISP Forensics Calibration Curve Report

TS

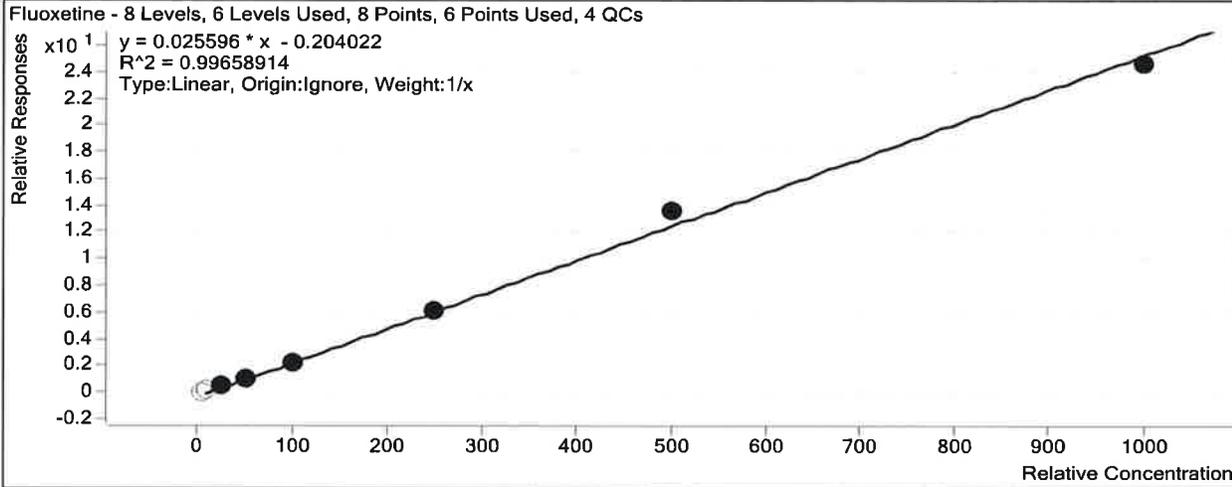
**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\092418 MDQ TS\QuantResults\P1b MDQ TS.batch.bin

**Last Calib Update** 9/27/2018 9:36 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	11.3	226.4
b cal 2-10ng	2	<input type="checkbox"/>	10	15.4	154.4
b QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	13.8	138.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.8	107.1
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.4	92.9
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	96.8	96.8
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	57.9	57.9
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	245.1	98.0
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	216.0	86.4
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	541.3	108.3
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	968.5	96.9
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	968.0	96.8

# ISP Forensics Calibration Curve Report

15

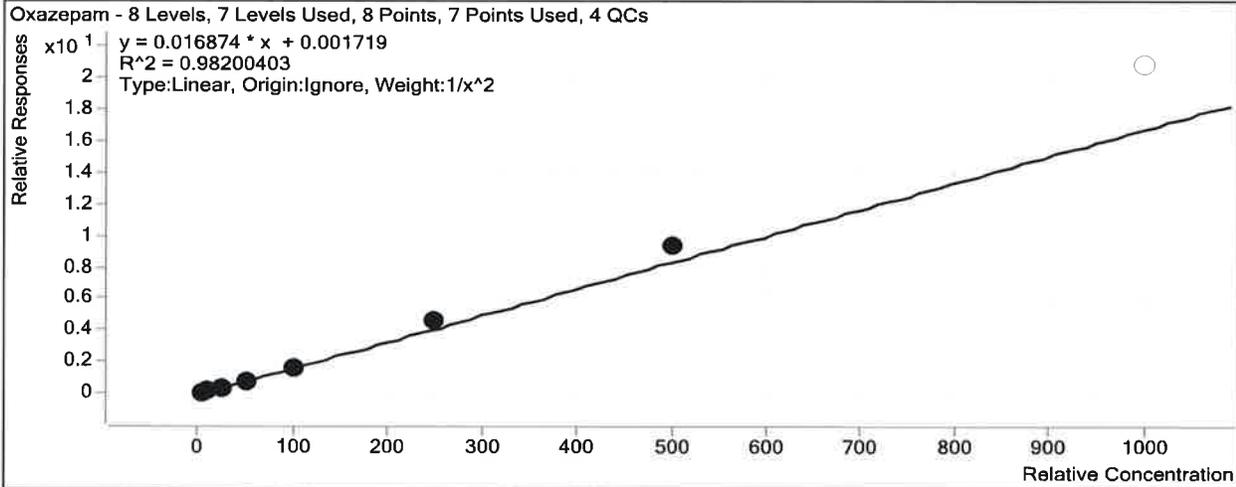
**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\092418 MDQ TS\QuantResults\P1b MDQ TS.batch.bin

**Last Calib Update** 9/27/2018 9:36 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	4.9	98.3
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	11.2	112.1
b QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	8.5	85.4
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	20.6	82.6
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	45.3	90.6
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	95.3	95.3
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	96.0	96.0
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	274.7	109.9
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	267.2	106.9
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	555.9	111.2
b cal 8-1000ng	8	<input type="checkbox"/>	1000	1234.8	123.5
b QC 1000 (QC4)	8	<input type="checkbox"/>	1000	1170.6	117.1

# ISP Forensics Calibration Curve Report

TS

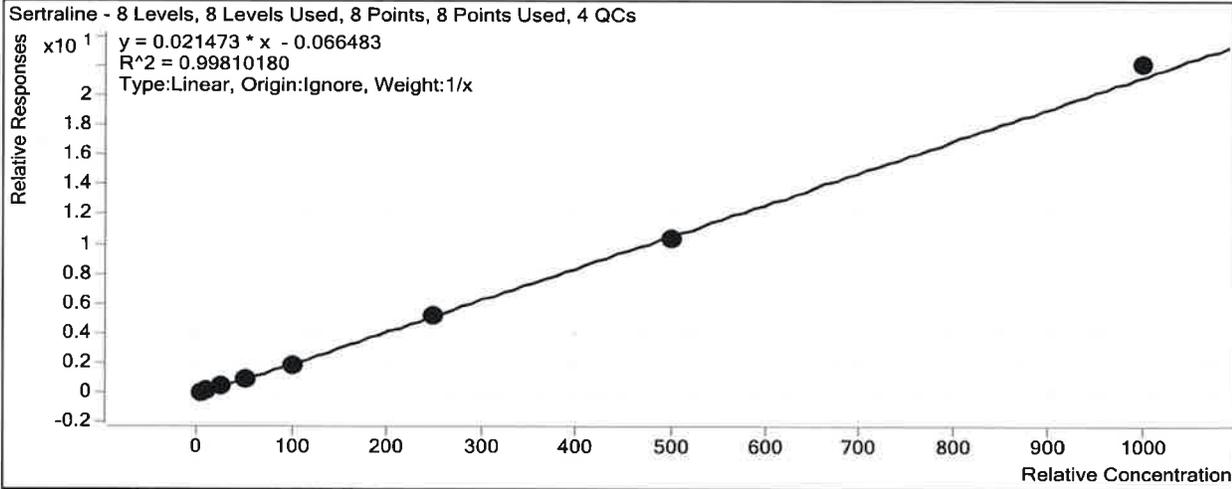
**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\092418 MDQ TS\QuantResults\P1b MDQ TS.batch.bin

**Last Calib Update** 9/27/2018 9:36 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	6.4	128.7
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	100.8
b QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	9.8	98.3
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.3	89.4
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	45.9	91.8
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	89.9	89.9
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	76.9	76.9
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	247.0	98.8
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	236.7	94.7
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	487.3	97.5
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1031.0	103.1
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1029.3	102.9

# ISP Forensics Calibration Curve Report

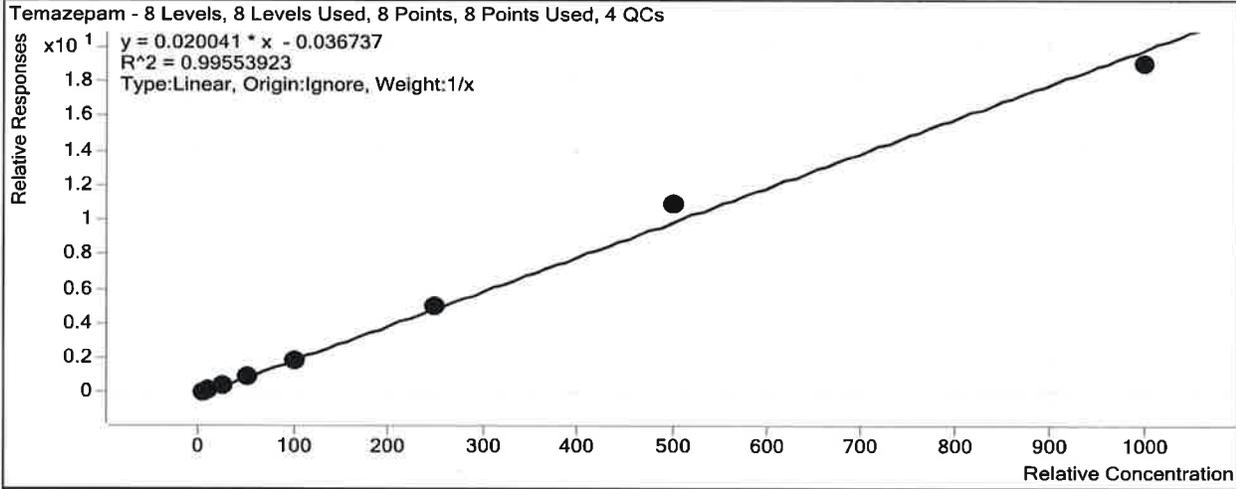
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**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\092418 MDQ TS\QuantResults\P1b MDQ TS.batch.bin

**Last Calib Update** 9/27/2018 9:36 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	9.6	96.2
b QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	10.1	100.9
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.0	92.0
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.8	99.5
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	95.6	95.6
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	95.7	95.7
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	255.1	102.0
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	249.0	99.6
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	550.2	110.0
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	951.2	95.1
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	970.9	97.1

# ISP Forensics Calibration Curve Report

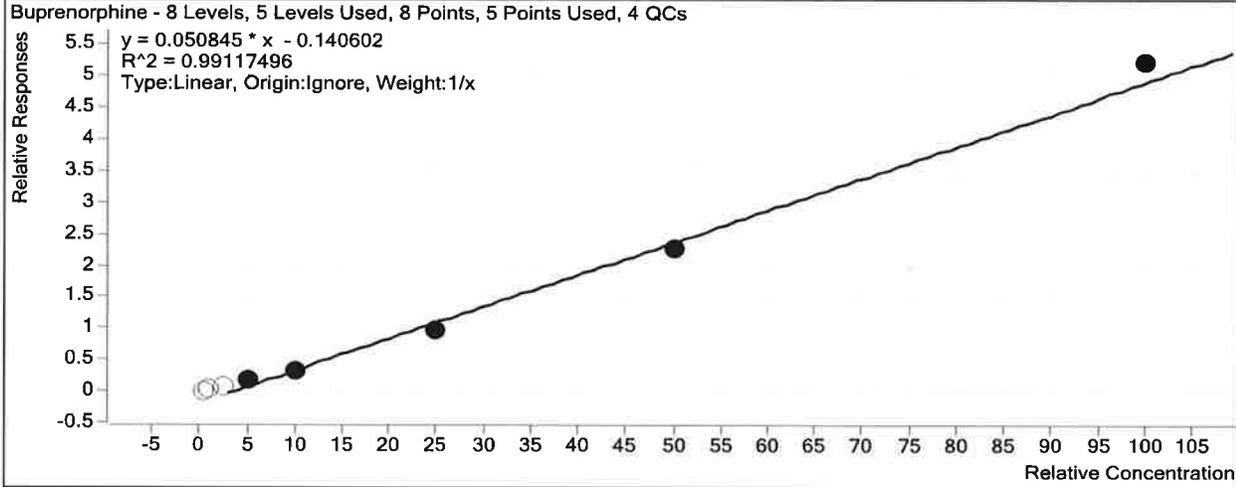
TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\092418 MDQ TS\QuantResults\P1b MDQ TS.batch.bin

**Last Calib Update** 9/27/2018 9:36 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	3.1	626.8
b cal 2-10ng	2	<input type="checkbox"/>	1	3.4	339.5
b QC 10 ( QC1)	2	<input type="checkbox"/>	1	3.0	302.5
b cal 3-25ng	3	<input type="checkbox"/>	2.5	4.2	168.1
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	6.1	122.0
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	8.9	89.1
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	10	8.6	85.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	22.1	88.4
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	25	21.3	85.4
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	47.6	95.3
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	105.3	105.3
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	100	65.6	65.6

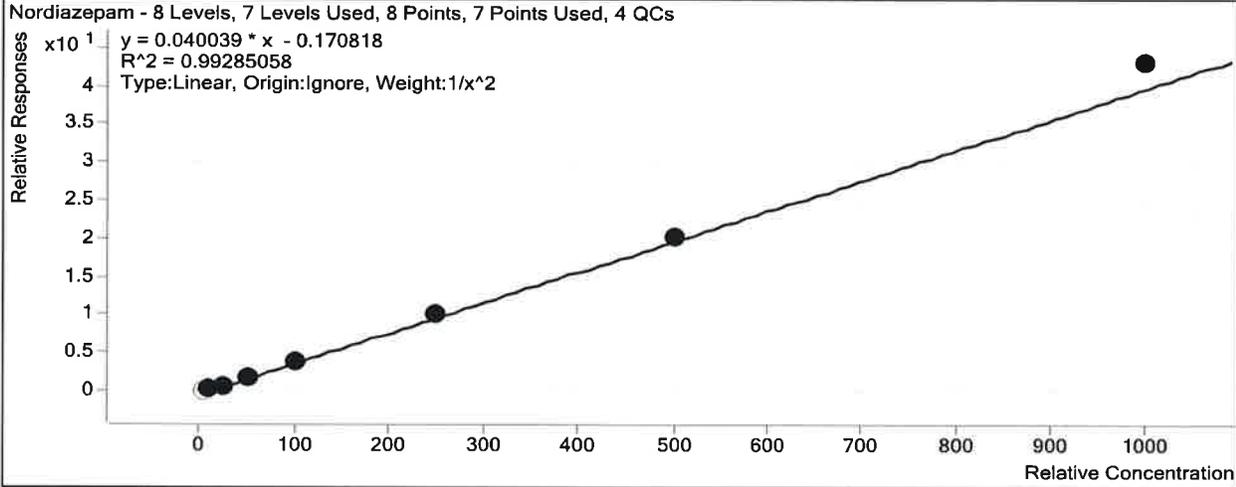
# ISP Forensics Calibration Curve Report

TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\092418 MDQ TS\QuantResults\P1b MDQ TS.batch.bin

**Last Calib Update** 9/27/2018 9:36 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 type="checkbox"/>	5	8.0	159.4
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.6	106.2
b QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	11.7	117.1
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	21.5	86.0
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.2	96.4
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.5	99.5
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	100.3	100.3
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	254.0	101.6
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	266.5	106.6
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	512.6	102.5
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1078.6	107.9
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1099.1	109.9

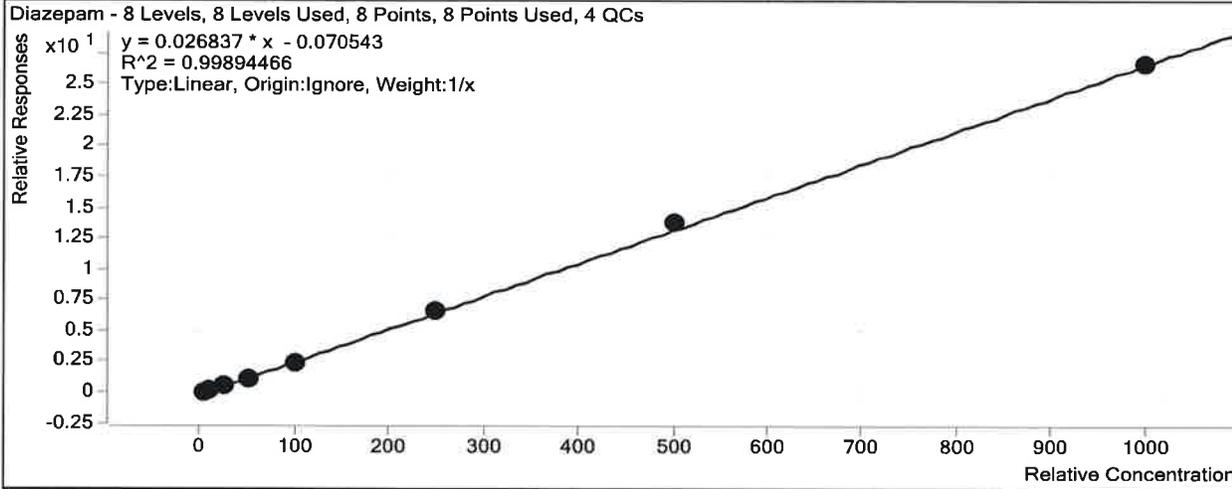
# ISP Forensics Calibration Curve Report

TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\092418 MDQ TS\QuantResults\P1b MDQ TS.batch.bin

**Last Calib Update** 9/27/2018 9:36 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	119.9
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	99.2
b QC 10 ( QC1)	2	<input checked="" type="checkbox"/>	10	9.2	92.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.0	91.8
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.4	94.8
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	91.0	91.0
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	96.9	96.9
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	251.5	100.6
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	246.1	98.4
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	516.1	103.2
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	995.2	99.5
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	969.8	97.0

TS

# ISP FORENSICS - Pocatello Instrument # 59740

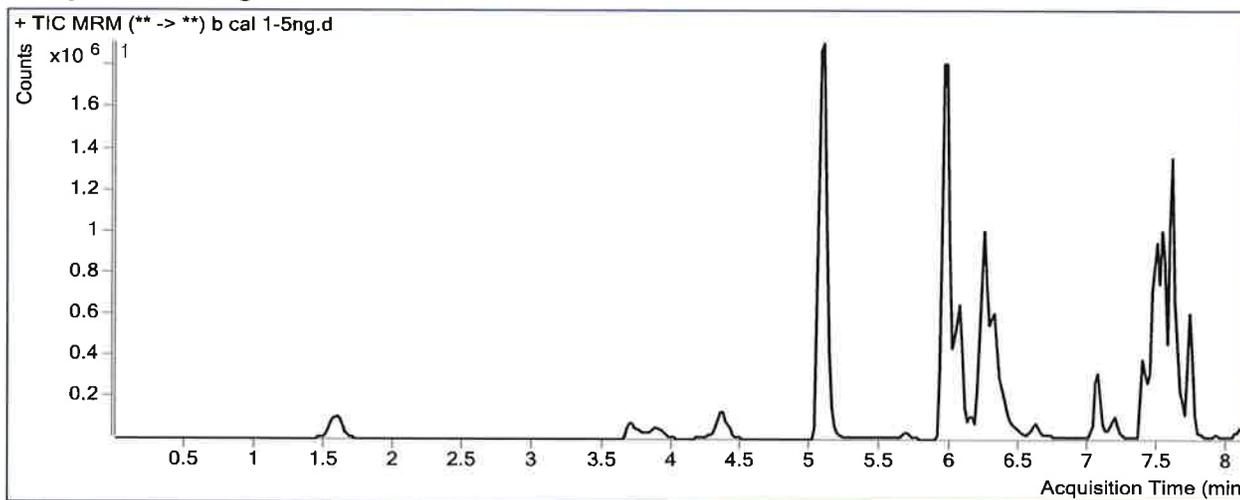
## Multi-Drug Confirmatory Analysis Report

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**Analysis Time** 9/27/2018 9:36 AM **Analyst Name** ISUser  
**Report Time** 9/27/2018 3:46 PM **Reporter Name** ISUser  
**Last Calib Update** 9/27/2018 9:36 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-09-24 13:44 **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-H12 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.588	74112	649764	0.1141	6.4934
Dihydrocodeine	Dihydrocodeine-D6	3.910	60529	355416	0.1703	11.4132
Noroxycodone	Noroxycodone-D3	4.391	92889	754140	0.1232	5.3162
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.100	704209	8219563	0.0857	5.3289
Benzoylcegonine	Benzoylcegonine-d8	5.711	7059	72143	0.0979	36.0526
Ketamine	Ketamine-D4	5.962	317567	3599531	0.0882	5.0833
Norfentanyl	Norfentanyl-D5	6.004	27757	3963491	0.0070	1.1941
Cocaine	Cocaine-d3	6.232	115936	4088897	0.0284	5.3362
alpha-PVP	alpha-PVP-d8	6.328	154614	2081751	0.0743	5.3925
Mirtazapine	alpha-PVP-d8	6.625	149808	2081751	0.0720	28.5792
Norbuprenorphine	Norbuprenorphine-D3	6.934	361	20196	0.0179	0.6697
Fentanyl	Fentanyl-D5	7.058	8940	1088929	0.0082	1.2691
Mitragynine	EDDP-D3	7.156	27171	310807	0.0874	0.0000
EDDP	EDDP-D3	7.209	23491	310807	0.0756	5.4194
Quetiapine	Quetiapine-D8	7.399	343583	857750	0.4006	5.5333
Cyclobenzaprine	Cyclobenzaprine-D3	7.452	62880	676429	0.0930	4.7208
Methadone	Methadone-D9	7.482	256645	2274053	0.1129	6.1040
Fluoxetine	Fluoxetine-D6	7.541	180729	2107499	0.0858	11.3212
Oxazepam	Oxazepam-D5	7.568	20747	245090	0.0847	4.9149

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

TS

b cal 1-5ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Sertraline	Sertraline-D3	7.583	65024	906551	0.0717	6.4363
Temazepam	Temazepam-D5	7.605	175510	2406857	0.0729	5.4717
Buprenorphine	Buprenorphine-D4	7.616	5476	292004	0.0188	3.1342
Nordiazepam	Nordiazepam-D5	7.675	47398	319532	0.1483	7.9712
Diazepam	Diazepam-D5	7.731	122095	1350652	0.0904	5.9969

TS

# ISP FORENSICS - Pocatello Instrument # 59740

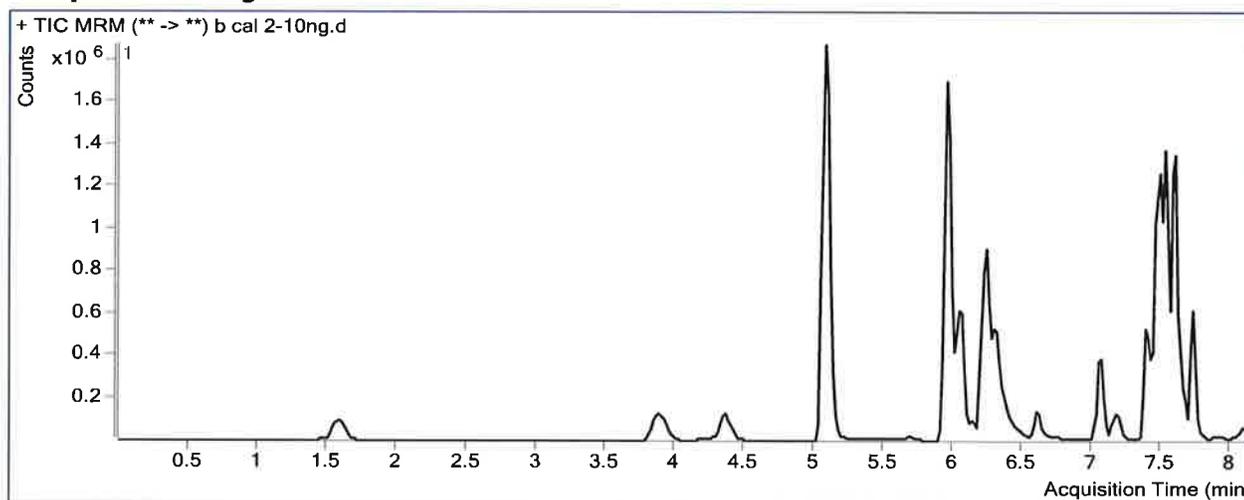
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\092418 MDQ TS\QuantResults\P1b MDQ TS.batch.bin  
**Analysis Time** 9/27/2018 9:36 AM **Analyst Name** ISPUser  
**Report Time** 9/27/2018 3:46 PM **Reporter Name** ISPUser  
**Last Calib Update** 9/27/2018 9:36 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-09-24 14:15 **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-G12 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.588	127865	529422	0.2415	10.2332
Dihydrocodeine	Dihydrocodeine-D6	3.930	101753	657535	0.1547	10.6708
Noroxycodone	Noroxycodone-D3	4.391	158054	599171	0.2638	9.4605
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.100	1230866	6829041	0.1802	9.8261
Benzoylcegonine	Benzoylcegonine-d8	5.711	10218	57432	0.1779	37.9397
Ketamine	Ketamine-D4	5.962	597087	2910149	0.2052	9.9208
Norfentanyl	Norfentanyl-D5	6.004	46647	3334393	0.0140	1.5044
Cocaine	Cocaine-d3	6.232	200028	3391464	0.0590	9.1523
alpha-PVP	alpha-PVP-d8	6.328	248926	1739556	0.1431	9.0682
Mirtazapine	alpha-PVP-d8	6.604	288224	1739556	0.1657	36.3757
Norbuprenorphine	Norbuprenorphine-D3	6.994	225	21039	0.0107	0.3198
Fentanyl	Fentanyl-D5	7.058	17634	1413961	0.0125	1.5091
Mitragynine	EDDP-D3	7.156	85263	304598	0.2799	3.5184
EDDP	EDDP-D3	7.189	46481	304598	0.1526	9.0248
Quetiapine	Quetiapine-D8	7.399	775167	813790	0.9525	10.2501
Cyclobenzaprine	Cyclobenzaprine-D3	7.452	162753	746777	0.2179	11.1923
Methadone	Methadone-D9	7.482	635017	2655953	0.2391	10.4818
Fluoxetine	Fluoxetine-D6	7.521	502713	2631012	0.1911	15.4358
Oxazepam	Oxazepam-D5	7.547	38756	203044	0.1909	11.2100

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

TS

b cal 2-10ng

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Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Sertraline	Sertraline-D3	7.583	166097	1107548	0.1500	10.0800
Temazepam	Temazepam-D5	7.605	309255	1981227	0.1561	9.6219
Buprenorphine	Buprenorphine-D4	7.616	11024	344393	0.0320	3.3949
Nordiazepam	Nordiazepam-D5	7.675	68937	271071	0.2543	10.6181
Diazepam	Diazepam-D5	7.731	220628	1128105	0.1956	9.9159

# ISP FORENSICS - Pocatello Instrument # 59740

## Multi-Drug Confirmatory Analysis Report

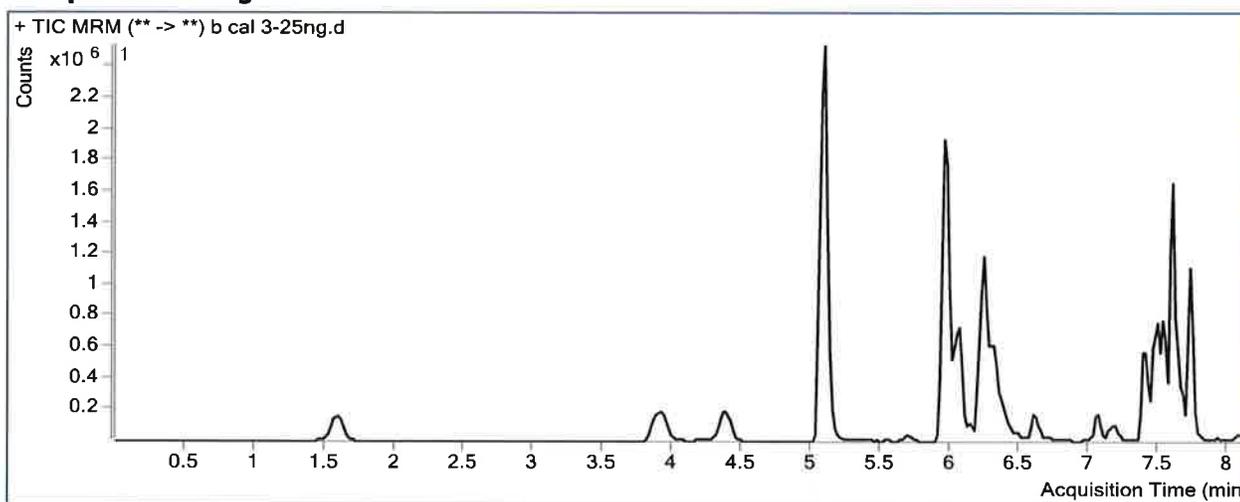
TS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\092418 MDQ TS\QuantResults\P1b MDQ TS.batch.bin  
**Analysis Time** 9/27/2018 9:36 AM **Analyst Name** ISPUser  
**Report Time** 9/27/2018 3:46 PM **Reporter Name** ISPUser  
**Last Calib Update** 9/27/2018 9:36 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-09-24 14:47 **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-F12 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.588	367958	598264	0.6150	21.1929
Dihydrocodeine	Dihydrocodeine-D6	3.930	295836	715730	0.4133	23.0111
Noroxycodone	Noroxycodone-D3	4.391	429808	659686	0.6515	20.8887
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.100	3483026	7429875	0.4688	23.5484
Benzoylcegonine	Benzoylcegonine-d8	5.711	28897	67967	0.4252	43.7684
Ketamine	Ketamine-D4	5.962	1610490	3037147	0.5303	23.3679
Norfentanyl	Norfentanyl-D5	6.004	132485	3377664	0.0392	2.6250
Cocaine	Cocaine-d3	6.232	529403	3294359	0.1607	21.8269
alpha-PVP	alpha-PVP-d8	6.328	563664	1566561	0.3598	20.6419
Mirtazapine	alpha-PVP-d8	6.604	415998	1566561	0.2655	44.6826
Fentanyl	Fentanyl-D5	7.058	17762	571149	0.0311	2.5581
Mitragynine	EDDP-D3	7.136	95427	189619	0.5033	28.5051
EDDP	EDDP-D3	7.189	77885	189619	0.4107	21.1097
Quetiapine	Quetiapine-D8	7.399	1120474	489344	2.2897	21.6770
Cyclobenzaprine	Cyclobenzaprine-D3	7.452	138494	310811	0.4456	22.9799
Methadone	Methadone-D9	7.482	665298	1164858	0.5711	21.9972
Fluoxetine	Fluoxetine-D6	7.521	501520	1041573	0.4815	26.7825
Oxazepam	Oxazepam-D5	7.547	89094	254500	0.3501	20.6448
Sertraline	Sertraline-D3	7.583	171173	414151	0.4133	22.3436

**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
Temazepam	Temazepam-D5	7.605	1055463	2488241	0.4242	22.9990
Buprenorphine	Buprenorphine-D4	7.616	12199	166904	0.0731	4.2029
Nordiazepam	Nordiazepam-D5	7.675	233355	338180	0.6900	21.5004
Diazepam	Diazepam-D5	7.731	732991	1343475	0.5456	22.9581

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# ISP FORENSICS - Pocatello Instrument # 59740

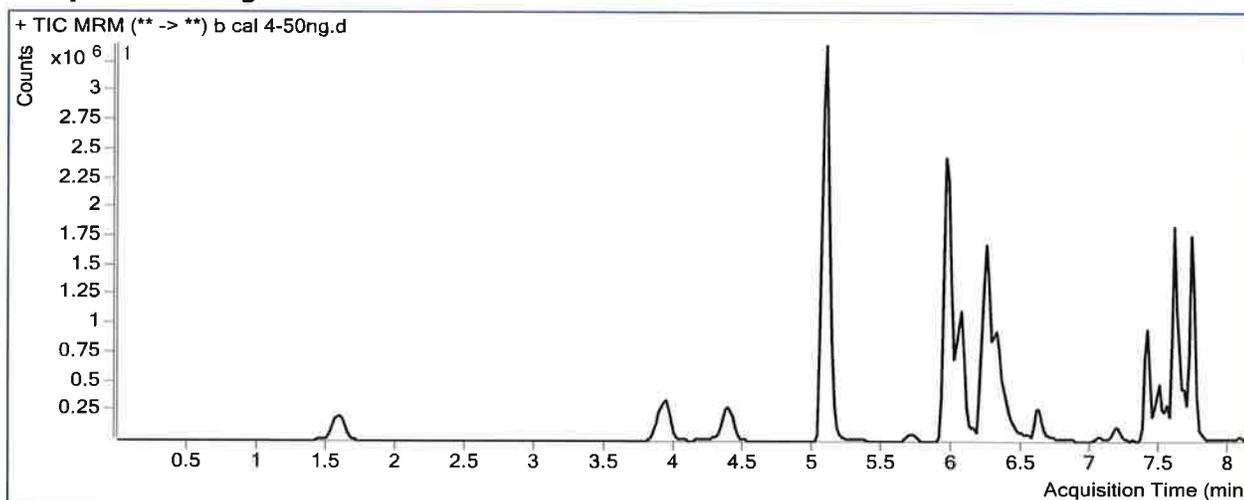
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\092418 MDQ TS\QuantResults\P1b MDQ TS.batch.bin  
**Analysis Time** 9/27/2018 9:36 AM **Analyst Name** ISPUser  
**Report Time** 9/27/2018 3:46 PM **Reporter Name** ISPUser  
**Last Calib Update** 9/27/2018 9:36 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-09-24 15:18 **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-E12 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.588	778303	539422	1.4428	45.4818
Dihydrocodeine	Dihydrocodeine-D6	3.930	659971	677908	0.9735	49.7454
Noroxycodone	Noroxycodone-D3	4.391	955765	605725	1.5779	48.1912
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.100	7267808	6993426	1.0392	50.6771
Benzoylcegonine	Benzoylcegonine-d8	5.711	63844	57992	1.1009	59.6975
Ketamine	Ketamine-D4	5.962	3386849	2904350	1.1661	49.6698
Norfentanyl	Norfentanyl-D5	6.004	290578	3356897	0.0866	4.7271
Cocaine	Cocaine-d3	6.232	1227702	3188284	0.3851	49.7836
alpha-PVP	alpha-PVP-d8	6.328	1408026	1551025	0.9078	49.9077
Mirtazapine	alpha-PVP-d8	6.625	658126	1551025	0.4243	57.8897
Norbuprenorphine	Norbuprenorphine-D3	7.014	216	7342	0.0294	1.2314
Fentanyl	Fentanyl-D5	7.058	11896	122149	0.0974	6.2911
Mitragynine	EDDP-D3	7.156	79569	160595	0.4955	27.6328
EDDP	EDDP-D3	7.189	150876	160595	0.9395	45.8618
Quetiapine	Quetiapine-D8	7.399	1947337	344925	5.6457	50.3545
Cyclobenzaprine	Cyclobenzaprine-D3	7.452	57479	58671	0.9797	50.6348
Methadone	Methadone-D9	7.482	569436	468984	1.2142	44.2980
Fluoxetine	Fluoxetine-D6	7.541	118003	119853	0.9846	46.4365
Oxazepam	Oxazepam-D5	7.547	173903	226994	0.7661	45.3006

**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>
Sertraline	Sertraline-D3	7.583	41496	45128	0.9195	45.9180
Temazepam	Temazepam-D5	7.605	2059736	2144301	0.9606	49.7635
Buprenorphine	Buprenorphine-D4	7.636	12627	74456	0.1696	6.1008
Nordiazepam	Nordiazepam-D5	7.675	549690	312487	1.7591	48.2008
Diazepam	Diazepam-D5	7.731	1516285	1262248	1.2013	47.3892

TS

# ISP FORENSICS - Pocatello Instrument # 59740

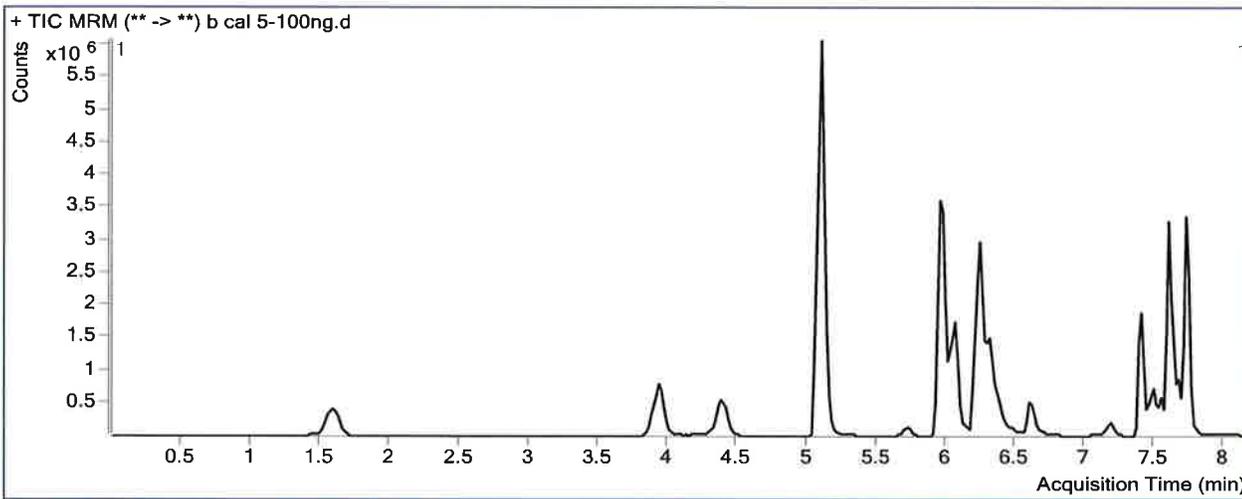
## Multi-Drug Confirmatory Analysis Report

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**Analysis Time** 9/27/2018 9:36 AM **Analyst Name** ISPUser  
**Report Time** 9/27/2018 3:46 PM **Reporter Name** ISPUser  
**Last Calib Update** 9/27/2018 9:36 AM **Batch State** Processed

**Analysis Info**

**Acq Time** 2018-09-24 15:50 **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-D12 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28

**Sample Chromatogram**



**Results**

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.588	1817668	608950	2.9849	90.7284
Dihydrocodeine	Dihydrocodeine-D6	3.930	1530821	777797	1.9682	97.2103
Noroxycodone	Noroxycodone-D3	4.391	2101377	658516	3.1911	95.7373
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.100	16319140	7944450	2.0542	98.9435
Benzoylcegonine	Benzoylcegonine-d8	5.711	171640	68052	2.5222	93.2017
Ketamine	Ketamine-D4	5.962	7652662	3238078	2.3633	99.1911
Norfentanyl	Norfentanyl-D5	6.004	621433	3411443	0.1822	8.9724
Cocaine	Cocaine-d3	6.232	2680744	3454443	0.7760	98.4985
alpha-PVP	alpha-PVP-d8	6.328	2889129	1521903	1.8984	102.8092
Mirtazapine	alpha-PVP-d8	6.604	1281438	1521903	0.8420	92.6343
Norbuprenorphine	Norbuprenorphine-D3	7.034	1092	6721	0.1625	7.7083
Fentanyl	Fentanyl-D5	7.058	20480	134920	0.1518	9.3548
Mitragynine	EDDP-D3	7.156	130737	133522	0.9791	81.7454
EDDP	EDDP-D3	7.189	289748	133522	2.1700	103.4687
Quetiapine	Quetiapine-D8	7.399	3969210	354457	11.1980	97.8006
Cyclobenzaprine	Cyclobenzaprine-D3	7.452	125803	64775	1.9422	100.4723
Methadone	Methadone-D9	7.482	1091576	431311	2.5308	89.9589
Fluoxetine	Fluoxetine-D6	7.521	363218	159666	2.2749	96.8462
Oxazepam	Oxazepam-D5	7.547	442178	274546	1.6106	95.3466

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

TS

b cal 5-100ng

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Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Sertraline	Sertraline-D3	7.583	126295	67770	1.8636	89.8813
Temazepam	Temazepam-D5	7.605	4749977	2527079	1.8796	95.6234
Buprenorphine	Buprenorphine-D4	7.616	18298	58570	0.3124	8.9097
Nordiazepam	Nordiazepam-D5	7.675	1287690	337836	3.8116	99.4636
Diazepam	Diazepam-D5	7.731	3379331	1425687	2.3703	90.9501

TS

# ISP FORENSICS - Pocatello Instrument # 59740

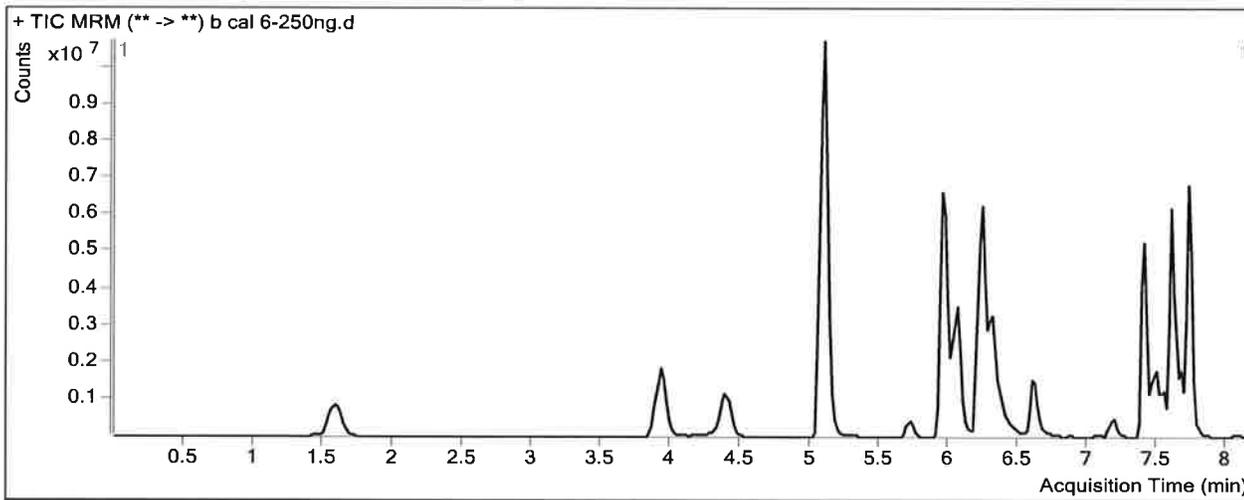
## Multi-Drug Confirmatory Analysis Report

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**Analysis Time** 9/27/2018 9:36 AM **Analyst Name** ISPUser  
**Report Time** 9/27/2018 3:46 PM **Reporter Name** ISPUser  
**Last Calib Update** 9/27/2018 9:36 AM **Batch State** Processed

**Analysis Info**

**Acq Time** 2018-09-24 16:21 **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-C12 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28

**Sample Chromatogram**



**Results**

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.588	4411231	532995	8.2763	245.9846
Dihydrocodeine	Dihydrocodeine-D6	3.930	3840924	711814	5.3960	260.7934
Noroxycodone	Noroxycodone-D3	4.391	5020021	563342	8.9111	264.3258
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.100	37540002	7129109	5.2657	251.6760
Benzoylcegonine	Benzoylcegonine-d8	5.711	505534	64335	7.8578	218.9778
Ketamine	Ketamine-D4	5.962	18582755	2888002	6.4345	267.5896
Norfentanyl	Norfentanyl-D5	6.004	1616836	2983600	0.5419	24.9475
Cocaine	Cocaine-d3	6.232	6568005	3174471	2.0690	259.6073
alpha-PVP	alpha-PVP-d8	6.328	7067350	1479701	4.7762	256.5014
Mirtazapine	alpha-PVP-d8	6.625	3701923	1479701	2.5018	230.7048
Norbuprenorphine	Norbuprenorphine-D3	6.974	2903	5969	0.4864	23.4711
Fentanyl	Fentanyl-D5	7.058	58696	153402	0.3826	22.3539
Mitragynine	EDDP-D3	7.156	388966	143746	2.7059	274.9327
EDDP	EDDP-D3	7.189	790922	143746	5.5022	259.4592
Quetiapine	Quetiapine-D8	7.399	11477666	389857	29.4407	253.6902
Cyclobenzaprine	Cyclobenzaprine-D3	7.452	557200	71903	7.7494	401.1679
Methadone	Methadone-D9	7.482	3271160	440100	7.4328	259.9567
Fluoxetine	Fluoxetine-D6	7.521	1224422	201753	6.0689	245.0752
Oxazepam	Oxazepam-D5	7.547	1018973	219719	4.6376	274.7396

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

TS

h cal 6-250ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Sertraline	Sertraline-D3	7.583	421824	80524	5.2385	247.0479
Temazepam	Temazepam-D5	7.605	10699895	2108104	5.0756	255.0966
Buprenorphine	Buprenorphine-D4	7.616	54624	55600	0.9824	22.0878
Nordiazepam	Nordiazepam-D5	7.675	3100952	310178	9.9973	253.9577
Diazepam	Diazepam-D5	7.731	7670481	1148327	6.6797	251.5241

TS

# ISP FORENSICS - Pocatello Instrument # 59740

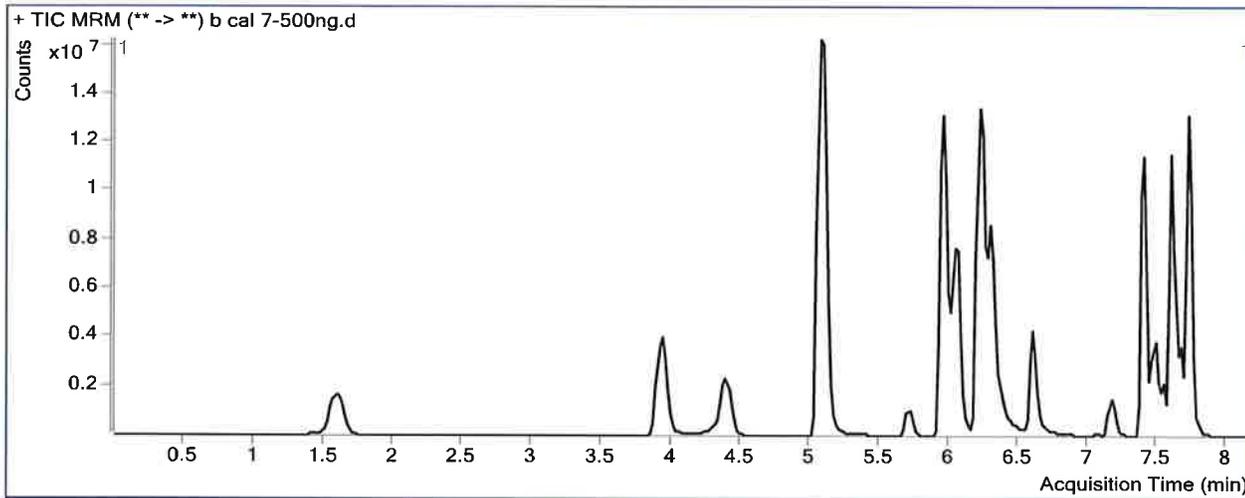
## Multi-Drug Confirmatory Analysis Report

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**Analysis Time** 9/27/2018 9:36 AM **Analyst Name** ISPUser  
**Report Time** 9/27/2018 3:47 PM **Reporter Name** ISPUser  
**Last Calib Update** 9/27/2018 9:36 AM **Batch State** Processed

**Analysis Info**

**Acq Time** 2018-09-24 16:53 **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-B12 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28

**Sample Chromatogram**



**Results**

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.588	9398502	544571	17.2585	509.5351
Dihydrocodeine	Dihydrocodeine-D6	3.930	8227180	776788	10.5913	508.7252
Noroxycodone	Noroxycodone-D3	4.391	10600608	585918	18.0923	534.9239
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.100	69971528	7851863	8.9115	425.0548
Benzoylcegonine	Benzoylcegonine-d8	5.711	1160205	62692	18.5065	469.9995
Ketamine	Ketamine-D4	5.962	39440275	3269346	12.0637	500.4358
Norfentanyl	Norfentanyl-D5	6.004	3798026	3368525	1.1275	50.9520
Cocaine	Cocaine-d3	6.212	15531753	3654303	4.2503	531.3979
alpha-PVP	alpha-PVP-d8	6.308	18166655	1760372	10.3198	552.5592
Mirtazapine	alpha-PVP-d8	6.604	9558569	1760372	5.4299	474.2738
Norbuprenorphine	Norbuprenorphine-D3	6.954	5438	8523	0.6380	30.8513
Fentanyl	Fentanyl-D5	7.058	103972	119994	0.8665	49.6011
Mitragynine	EDDP-D3	7.156	895151	208382	4.2957	452.7944
EDDP	EDDP-D3	7.168	2616797	208382	12.5577	589.7505
Quetiapine	Quetiapine-D8	7.399	26157276	448314	58.3459	500.6942
Cyclobenzaprine	Cyclobenzaprine-D3	7.452	689886	49901	13.8251	715.7662
Methadone	Methadone-D9	7.482	7165998	481274	14.8896	518.5598
Fluoxetine	Fluoxetine-D6	7.521	1196325	87628	13.6523	541.3474
Oxazepam	Oxazepam-D5	7.547	2361495	251708	9.3819	555.9018

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

TS

b cal 7-500ng

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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>
Sertraline	Sertraline-D3	7.583	423122	40692	10.3983	487.3354
Temazepam	Temazepam-D5	7.605	22512460	2048539	10.9895	550.1909
Buprenorphine	Buprenorphine-D4	7.616	122814	53835	2.2813	47.6330
Nordiazepam	Nordiazepam-D5	7.675	6039986	296783	20.3515	512.5617
Diazepam	Diazepam-D5	7.731	16061889	1165651	13.7793	516.0669

TS

# ISP FORENSICS - Pocatello Instrument # 59740

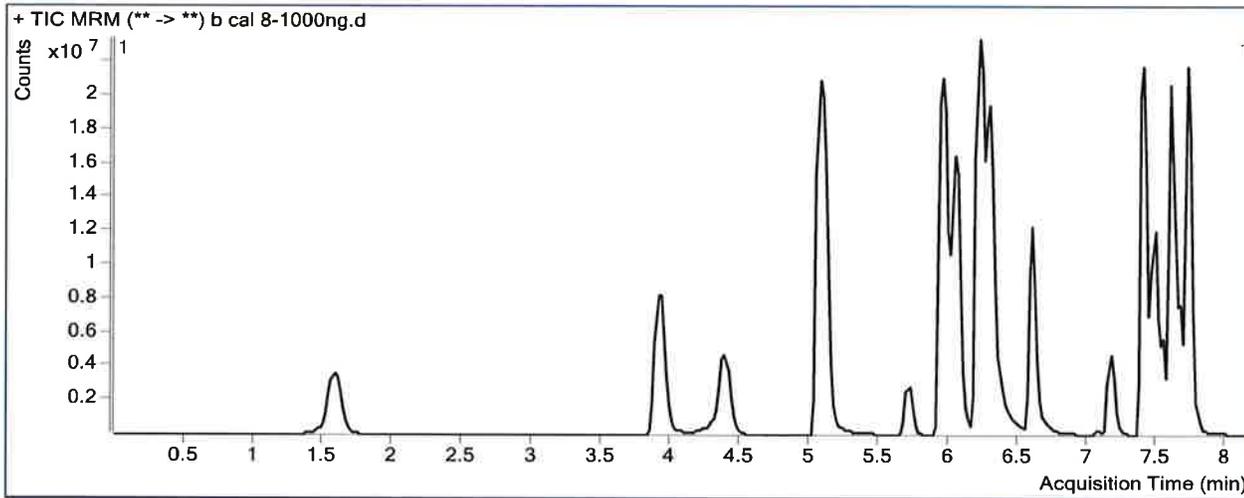
## Multi-Drug Confirmatory Analysis Report

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**Analysis Time** 9/27/2018 9:36 AM **Analyst Name** ISPUser  
**Report Time** 9/27/2018 3:47 PM **Reporter Name** ISPUser  
**Last Calib Update** 9/27/2018 9:36 AM **Batch State** Processed

**Analysis Info**

**Acq Time** 2018-09-24 17:24 **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-A12 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28

**Sample Chromatogram**



**Results**

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.588	20200138	588460	34.3271	1010.3505
Dihydrocodeine	Dihydrocodeine-D6	3.930	17982153	874272	20.5682	984.8438
Noroxycodone	Noroxycodone-D3	4.391	22809048	608305	37.4961	1106.8151
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.072	102475224	8345318	12.2794	585.2218
Benzoylcegonine	Benzoylcegonine-d8	5.711	3381139	77807	43.4556	1058.1236
Ketamine	Ketamine-D4	5.962	72219814	3688087	19.5819	811.4215
Norfentanyl	Norfentanyl-D5	6.004	9142749	3753710	2.4357	109.0428
Cocaine	Cocaine-d3	6.212	33917651	3984142	8.5132	1062.5670
alpha-PVP	alpha-PVP-d8	6.308	41428671	2147655	19.2902	1031.6284
Mirtazapine	alpha-PVP-d8	6.604	26383448	2147655	12.2848	1044.4975
Norbuprenorphine	Norbuprenorphine-D3	6.974	14730	5105	2.8851	140.2061
Fentanyl	Fentanyl-D5	7.058	422369	207361	2.0369	115.5102
Mitragynine	EDDP-D3	7.156	2796022	293768	9.5178	1037.0224
EDDP	EDDP-D3	7.168	8133551	293768	27.6870	1298.0033
Quetiapine	Quetiapine-D8	7.399	50923655	608758	83.6517	716.9398
Cyclobenzaprine	Cyclobenzaprine-D3	7.452	2649417	82836	31.9838	1656.0226
Methadone	Methadone-D9	7.482	22750243	799808	28.4446	988.6437
Fluoxetine	Fluoxetine-D6	7.521	4540149	184664	24.5860	968.5123
Oxazepam	Oxazepam-D5	7.547	5607128	269081	20.8381	1234.8370

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

TS

b cal 8-1000ng

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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>
Sertraline	Sertraline-D3	7.583	1581370	71647	22.0717	1030.9575
Temazepam	Temazepam-D5	7.605	42697781	2244096	19.0267	951.2329
Buprenorphine	Buprenorphine-D4	7.636	308589	59211	5.2117	105.2686
Nordiazepam	Nordiazepam-D5	7.675	13570366	315488	43.0138	1078.5715
Diazepam	Diazepam-D5	7.731	31007323	1164028	26.6380	995.1988