






















**Worklist: 2398**

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>	
C2018-0793	1	116032	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
C2018-0864	1	116034	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
C2018-0876	2	116033	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
C2018-0907	2	116035	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
C2018-0914	1	116036	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
C2018-0918	1	116037	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
C2018-0925	1	116038	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
C2018-0928	1	116039	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
M2017-3833	1	116040	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
M2018-1526	1	116041	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
M2018-1711	1	116042	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
M2018-1711	2	116043	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
M2018-1717	1	116044	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
M2018-1927	1	116045	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
M2018-2108	1	116046	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
M2018-2399	2	116047	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-1164	1	116048	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-1236	1	116049	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-1237	1	116050	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-1314	1	116051	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-1315	1	116052	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-1316	1	116053	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	

*Byyle*

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

Extraction Date: 5/17/18

Analyst: B. Wylie

Plate lot#: 0507680

Plate Expiration: 6-5-2018

**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:** 17J20718

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

**LCMS-QQQ ID:** 62340

## 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: 05172018 AM 28.pl

## Analytic:

- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. Pipette **250µL blood (calibrated pipette) Pipette ID: 1926134** in wells of analytical (standards) plate.
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes. *Shaker ID: 66759*
- 4. Pipette **250µL 00.5M ammonium hydroxide** in wells of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 6. Transfer **300µL of blood+base** mixture to corresponding wells of SLE+ plate.
- 7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent).  
*(Load at 85-100 PSI- Selector to the right) Manifold ID: 66792*
- 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: 66819*
- 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: 05172018 mdq Batch Name: 05172018 MDQp1a  
05172018 AM 28 MDQp1b
- 2. Make necessary changes to integration limits
- 3. Integration linear and R<sup>2</sup> values ≥0.98 for each analyte.
- 4. For unknown samples and controls: response ratio within 20% of average of controls and standards, RT within +/- 5% (tramadol RT +/-2%), S/N for primary transition >10 and secondary transitions >5.
- 5. Did all QCs pass for each analyte? Y / N \_\_\_\_\_ Add Control data to QC tracking spreadsheet.
- 6. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports.

## COMMENTS:

Not Evaluated:  
Norbuprenorphine and phentermine

Curves limited to:  
6-MAM: 2.5-100, Oxazepam: 5-500  
Morphine: 10-1000,  
Norhydrocodone: 25-1000,  
cyclobenzaprine: 5-500,  
norfentanyl: 2.5-100,  
buprenorphine: 2.5-100

*B. Wylie*

Toxicology AM method 28 panel 1 external prep information

working solution 10000 ng/ml in meoh Lorazepam, alprazolam, diphenhydramine, methadone, sertraline  
Stock solution 1mg/ml 100 ul each in 9500 ul meOH

Ppd 3/19/18 Exp: 3/19/19 lot 31919 by AMN

Drug	lot	expiration
alprazolam	fe07161509	7/1/2020
diphenhydramine	fn09161502	9/1/2020
Lorazepam	fe04231401	5/1/2019
methadone	fe06221502	7/1/2020
sertraline	fn01081501	3/1/2020

AM 28 control 50 ul working solution lot (31919) in 9950 ul blood lot (17J20718)

ppd 3/19/18 Exp 9/19/18 by AMN Concentration 50 ng/ml each lot 91918

Bylee

# ISP FORENSICS - Cd'A Instrument # 62340

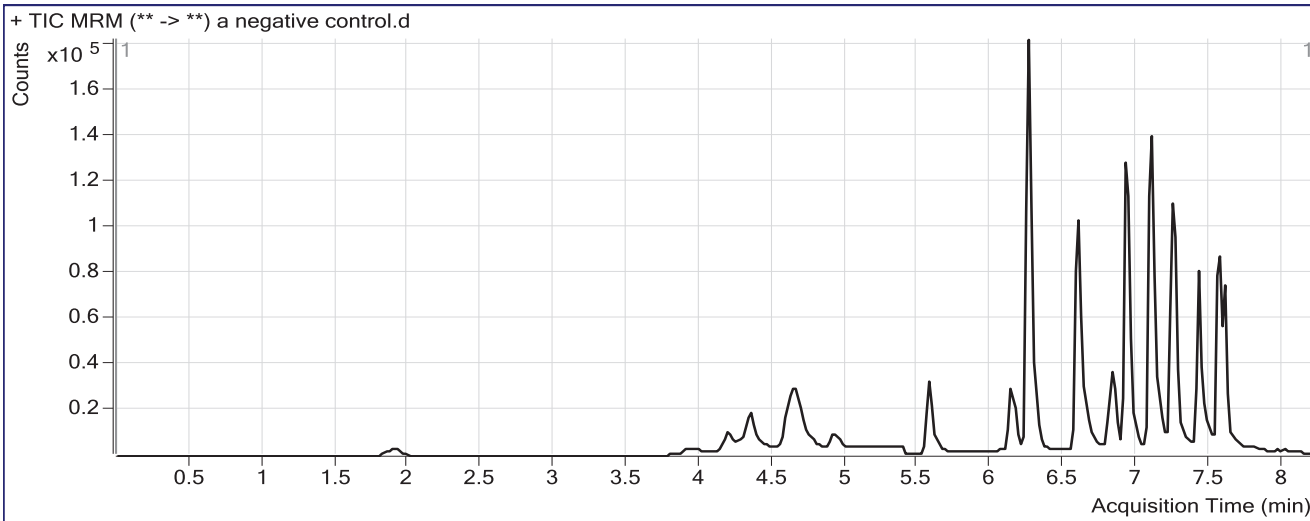
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	D:\2018 Data\05172018 mdq\QuantResults\05172018 MDQp1a.batch.bin		
<b>Analysis Time</b>	5/29/2018 1:25 PM	<b>Analyst Name</b>	ISP Tox
<b>Report Time</b>	5/29/2018 1:46 PM	<b>Reporter Name</b>	ISP Tox
<b>Last Calib Update</b>	5/29/2018 1:25 PM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2018-05-17 20:29	<b>Data File</b>	a negative control.d
<b>Sample Type</b>	Sample	<b>Sample Name</b>	a negative control
<b>Dilution</b>	1	<b>Acq Method</b>	Quant Panel 1a 10-17.m
<b>Position</b>	P1-G2	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	AM 28 Panel 1

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.308	284	1738	0.1636	0.4925
Codeine	Codeine-D6	4.036	604	12125	0.0498	2.3767
Amphetamine	Amphetamine-D11	4.323	11970	30169	0.3968	2.1746
Oxycodone	Oxycodone-D6	4.389	2590	58150	0.0445	2.1315
7-aminoclonazepam	7-Aminoclonazepam-D4	6.272	5220	74275	0.0703	1.7437
Tramadol	Tramadol-13C-D3	6.282	14883	464464	0.0320	0.6366
Zolpidem	Zolpidem-D6	6.940	13271	345152	0.0384	0.9779
Trazodone	Trazodone-D6	7.155	6990	98402	0.0710	3.3511
Citalopram	Citalopram-D6	7.217	8349	129743	0.0644	3.1586
Diphenhydramine	Diphenhydramine-D3	7.271	5281	195305	0.0270	1.5121
Promethazine	Promethazine-D3	7.426	4396	155316	0.0283	1.6439
Clonazepam	Clonazepam-D4	7.482	2745	14988	0.1832	3.2045
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.540	999	14706	0.0679	2.4747
Carisoprodol	Carisoprodol-D7	7.572	10758	191273	0.0562	3.5032

all compounds above do not meet identification criteria and are considered negative responses

*Bylee*

# ISP FORENSICS - Cd'A Instrument # 62340

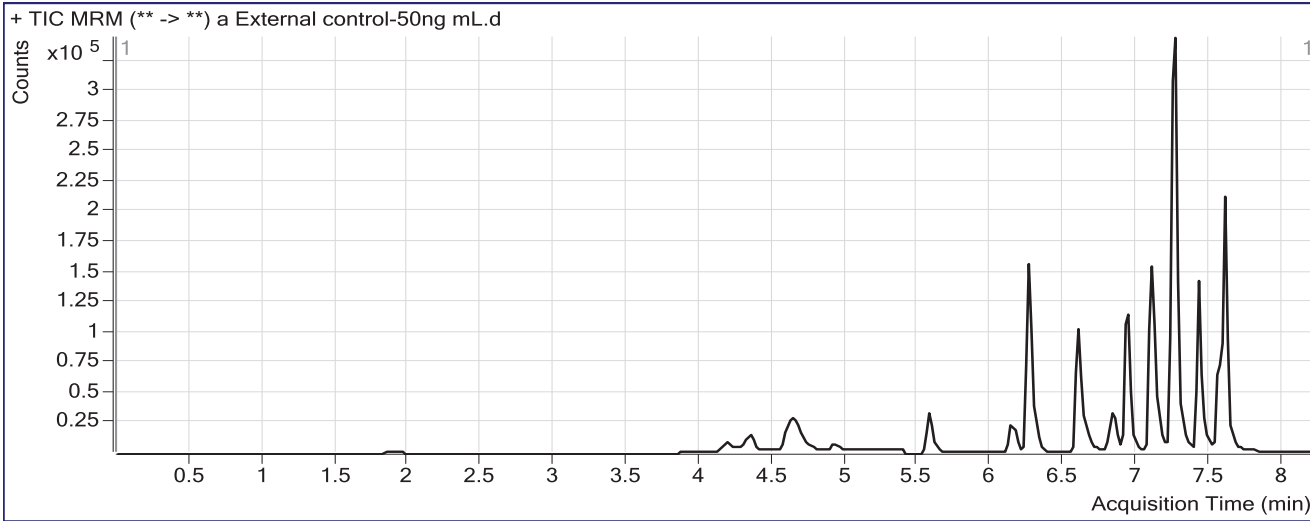
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	D:\2018 Data\05172018 mdq\QuantResults\05172018 MDQp1a.batch.bin		
<b>Analysis Time</b>	5/29/2018 1:25 PM	<b>Analyst Name</b>	ISP Tox
<b>Report Time</b>	5/29/2018 1:46 PM	<b>Reporter Name</b>	ISP Tox
<b>Last Calib Update</b>	5/29/2018 1:25 PM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2018-05-17 20:54	<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>	Quant Panel 1a 10-17.m
<b>Position</b>	P1-H2	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	AM 28; external control p1

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Amphetamine	Amphetamine-D11	4.323	15962	33777	0.4726	3.1749
Citalopram	Citalopram-D6	7.217	1027	217835	0.0047	0.3857
Diphenhydramine	Diphenhydramine-D3	7.271	407207	347861	1.1706	58.9355
Lorazepam	Alprazolam-D5	7.582	27164	116986	0.2322	69.3333
Alprazolam	Alprazolam-D5	7.605	162087	116986	1.3855	53.1759

*Bylee*

# ISP FORENSICS - Cd'A Instrument # 62340

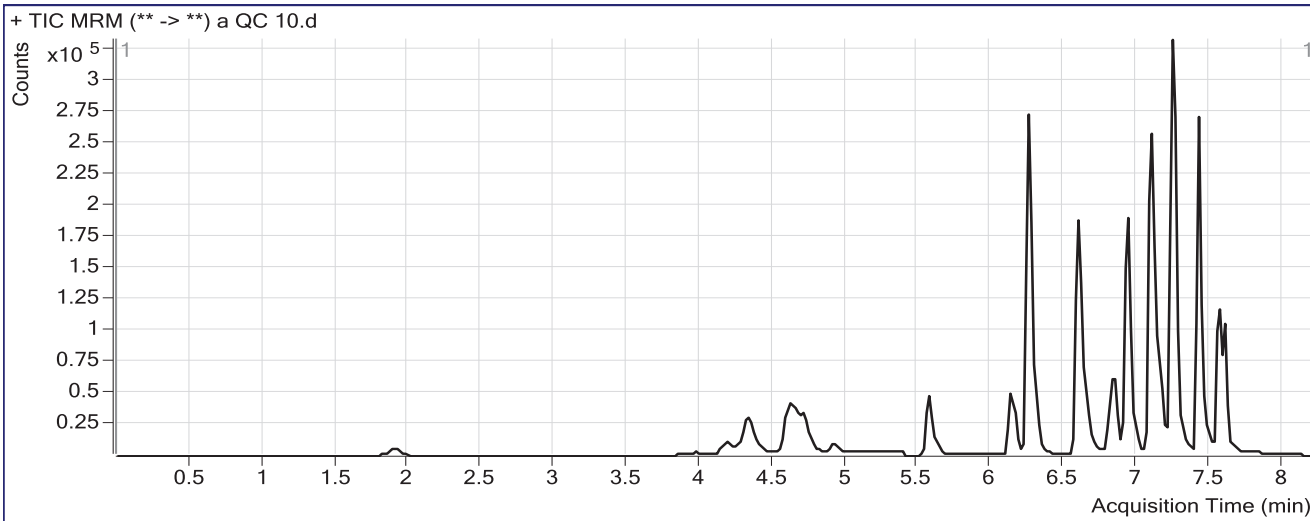
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	D:\2018 Data\05172018 mdq\QuantResults\05172018 MDQp1a.batch.bin		
<b>Analysis Time</b>	5/29/2018 1:25 PM	<b>Analyst Name</b>	ISP Tox
<b>Report Time</b>	5/29/2018 1:47 PM	<b>Reporter Name</b>	ISP Tox
<b>Last Calib Update</b>	5/29/2018 1:25 PM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2018-05-17 22:10	<b>Data File</b>	a QC 10.d
<b>Sample Type</b>	QC	<b>Sample Name</b>	a QC 10
<b>Dilution</b>	1	<b>Acq Method</b>	Quant Panel 1a 10-17.m
<b>Position</b>	P1-A2	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	AM 28 Panel 1

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.308	1830	2046	0.8946	8.8792
Hydromorphone	Hydromorphone-D6	1.929	7425	26451	0.2807	9.9323
Codeine	Codeine-D6	4.036	3819	14990	0.2548	10.0876
Amphetamine	Amphetamine-D11	4.323	45658	46679	0.9781	9.8462
Oxycodone	Oxycodone-D6	4.389	16420	77636	0.2115	8.8512
Hydrocodone	Hydrocodone-D6	4.714	13125	67995	0.1930	9.9253
Norhydrocodone	Norhydrocodone-D3	4.739	999	25168	0.0397	13.1681
Methamphetamine	Methamphetamine-D11	4.741	60112	148626	0.4044	11.4639
<b>6-MAM</b>	<b>6-MAM-D6</b>	<b>4.948</b>	<b>440</b>	<b>21912</b>	<b>0.0201</b>	<b>0.8592</b> - outside curve evaluation range
Phentermine	Phentermine-D5	5.624	10948	158615	0.0690	9.8703
Dextroprphan	Dextroprphan-D3	6.143	13820	108826	0.1270	9.8162
7-aminoclonazepam	7-Aminoclonazepam-D4	6.272	20481	87617	0.2338	9.4005
Tramadol	Tramadol-13C-D3	6.282	127469	618530	0.2061	9.8092
Doxylamine	Doxylamine-D5	6.621	110442	518123	0.2132	10.3198
Bupropion	Bupropion-D9	6.849	31405	164179	0.1913	9.5043
Zolpidem	Zolpidem-D6	6.940	86591	434029	0.1995	9.4857
Meprobamate	Meprobamate-D7	6.952	6314	40873	0.1545	9.3487
Venlafaxine	Venlafaxine-D6	7.085	111425	498151	0.2237	10.5060
Trazodone	Trazodone-D6	7.134	55603	244419	0.2275	9.8858
Citalopram	Citalopram-D6	7.217	67451	304092	0.2218	10.4798
Dextromethorphan	Dextromethorphan-D3	7.248	13491	69620	0.1938	9.3504
Diphenhydramine	Diphenhydramine-D3	7.271	98835	496347	0.1991	10.1532
Promethazine	Promethazine-D3	7.426	96225	460892	0.2088	11.3164

*Byylee*

**ISP FORENSICS - Cd'A Instrument # 62340**  
**Multi-Drug Confirmatory Analysis Report**

<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>
Clonazepam	Clonazepam-D4	7.482	11135	15349	0.7255	10.7928
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.540	3145	15411	0.2041	8.4239
Carisoprodol	Carisoprodol-D7	7.572	37820	205738	0.1838	10.8371
Lorazepam	Alprazolam-D5	7.582	4853	143607	0.0338	8.5800
Alprazolam	Alprazolam-D5	7.605	34030	143607	0.2370	9.3579

*Byyle*

# ISP FORENSICS - Cd'A Instrument # 62340

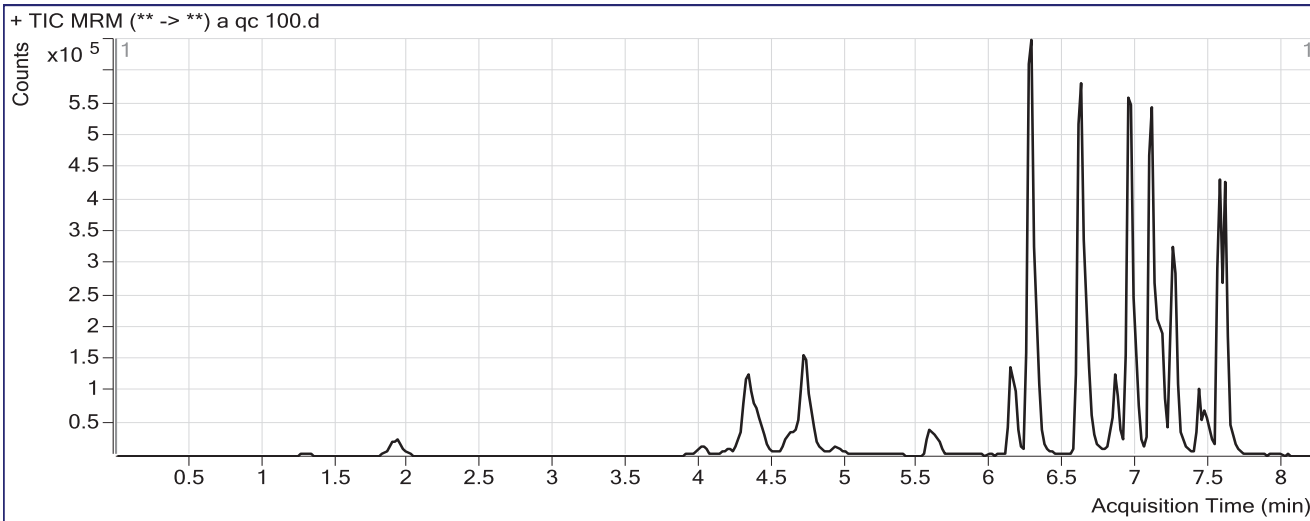
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	D:\2018 Data\05172018 mdq\QuantResults\05172018 MDQp1a.batch.bin		
<b>Analysis Time</b>	5/29/2018 1:25 PM	<b>Analyst Name</b>	ISP Tox
<b>Report Time</b>	5/29/2018 1:49 PM	<b>Reporter Name</b>	ISP Tox
<b>Last Calib Update</b>	5/29/2018 1:25 PM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2018-05-18 01:21	<b>Data File</b>	a qc 100.d
<b>Sample Type</b>	QC	<b>Sample Name</b>	a qc 100
<b>Dilution</b>	1	<b>Acq Method</b>	Quant Panel 1a 10-17.m
<b>Position</b>	P1-B2	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	AM 28 Panel 1

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.308	18656	1937	9.6300	109.1009
Hydromorphone	Hydromorphone-D6	1.929	81653	22949	3.5580	113.9366
Codeine	Codeine-D6	4.016	41197	15338	2.6860	101.5501
Amphetamine	Amphetamine-D11	4.323	314255	35828	8.7711	112.6804
Oxycodone	Oxycodone-D6	4.389	209544	76000	2.7571	111.3023
Hydrocodone	Hydrocodone-D6	4.714	136444	67173	2.0312	118.3541
Norhydrocodone	Norhydrocodone-D3	4.739	10116	23264	0.4349	107.2151
Methamphetamine	Methamphetamine-D11	4.741	348984	109675	3.1820	115.6812
6-MAM	6-MAM-D6	4.948	6306	22029	0.2863	10.5818
Phentermine	Phentermine-D5	5.624	85770	126474	0.6782	107.5923
Dextropropion	Dextropropion-D3	6.143	130748	88806	1.4723	110.8806
7-aminoclonazepam	7-Aminoclonazepam-D4	6.272	210537	84110	2.5031	115.6922
Tramadol	Tramadol-13C-D3	6.282	1220326	594214	2.0537	107.1848
Doxylamine	Doxylamine-D5	6.621	1059919	470065	2.2548	106.6337
Bupropion	Bupropion-D9	6.849	197913	89980	2.1995	104.5523
Zolpidem	Zolpidem-D6	6.960	972408	455722	2.1338	111.6635
Meprobamate	Meprobamate-D7	6.952	76623	38621	1.9840	115.9303
Venlafaxine	Venlafaxine-D6	7.105	992920	418748	2.3712	109.2695
Trazodone	Trazodone-D6	7.155	271003	104354	2.5970	108.8540
Citalopram	Citalopram-D6	7.217	255552	111487	2.2922	106.7444
Dextromethorphan	Dextromethorphan-D3	7.248	33490	16412	2.0405	95.9251
Diphenhydramine	Diphenhydramine-D3	7.271	344415	166759	2.0653	103.8645
Promethazine	Promethazine-D3	7.426	136075	69441	1.9596	105.1496

*Byylee*



**ISP FORENSICS - Cd'A Instrument # 62340**  
**Multi-Drug Confirmatory Analysis Report**

<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>
Clonazepam	Clonazepam-D4	7.482	107932	12982	8.3141	116.9791
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.540	38352	14513	2.6426	114.9596
Carisoprodol	Carisoprodol-D7	7.572	390231	200111	1.9501	112.3673
Lorazepam	Alprazolam-D5	7.582	46147	136415	0.3383	101.8190
Alprazolam	Alprazolam-D5	7.605	363389	136415	2.6639	101.9445

*BWylee*

# ISP FORENSICS - Cd'A Instrument # 62340

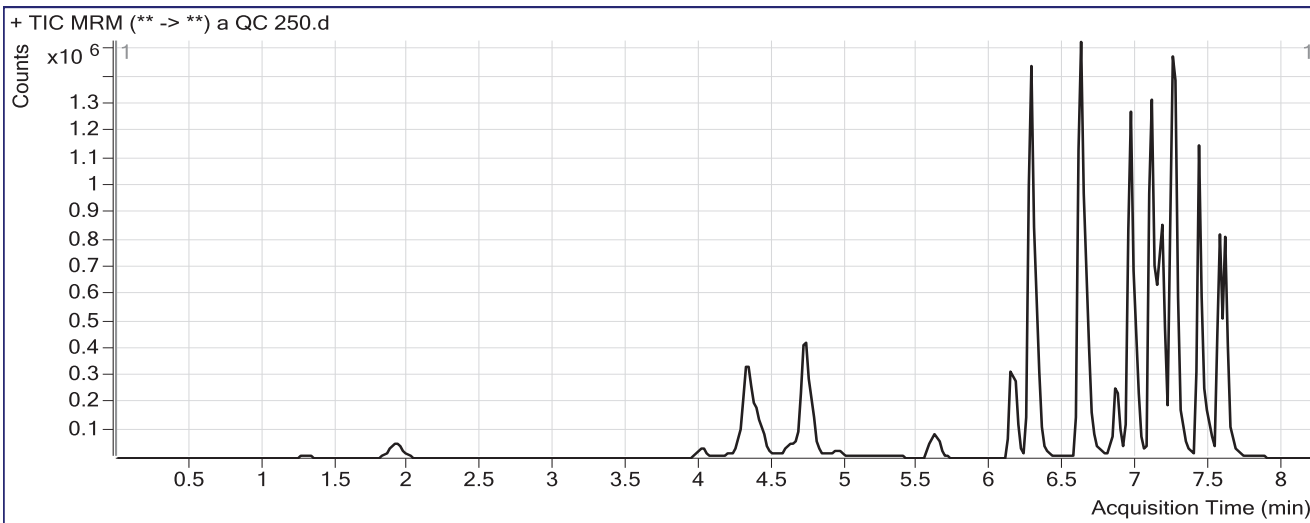
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2018 Data\05172018 mdq\QuantResults\05172018 MDQp1a.batch.bin  
**Analysis Time** 5/29/2018 1:25 PM **Analyst Name** ISP Tox  
**Report Time** 5/29/2018 1:51 PM **Reporter Name** ISP Tox  
**Last Calib Update** 5/29/2018 1:25 PM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-05-18 04:44 **Data File** a QC 250.d  
**Sample Type** QC **Sample Name** a QC 250  
**Dilution** 1 **Acq Method** Quant Panel 1a 10-17.m  
**Position** P1-C2 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28 Panel 1

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.288	42085	1842	22.8506	260.7818
Hydromorphone	Hydromorphone-D6	1.929	196560	26052	7.5448	240.4548
Codeine	Codeine-D6	4.016	97190	15425	6.3009	237.5460
Amphetamine	Amphetamine-D11	4.323	990030	50115	19.7552	257.6241
Oxycodone	Oxycodone-D6	4.389	509901	77710	6.5616	264.4157
Hydrocodone	Hydrocodone-D6	4.714	325030	68662	4.7338	277.7698
Norhydrocodone	Norhydrocodone-D3	4.739	24263	24777	0.9793	236.7856
Methamphetamine	Methamphetamine-D11	4.741	1026774	155030	6.6231	244.7961
6-MAM	6-MAM-D6	4.948	15517	22996	0.6748	24.7743
Phentermine	Phentermine-D5	5.624	250435	160442	1.5609	249.2074
Dextroprphan	Dextroprphan-D3	6.143	365834	106945	3.4208	257.2575
7-aminoclonazepam	7-Aminoclonazepam-D4	6.272	465337	80486	5.7816	269.2473
Tramadol	Tramadol-13C-D3	6.282	3047212	620416	4.9116	257.8064
Doxylamine	Doxylamine-D5	6.621	2866375	548558	5.2253	246.7619
Bupropion	Bupropion-D9	6.869	461043	96770	4.7643	225.9432
Zolpidem	Zolpidem-D6	6.960	2249005	459737	4.8919	257.3637
Meprobamate	Meprobamate-D7	6.952	166444	38452	4.3286	252.5183
Venlafaxine	Venlafaxine-D6	7.105	2744127	501064	5.4766	252.0892
Trazodone	Trazodone-D6	7.155	1243742	216302	5.7500	240.5518
Citalopram	Citalopram-D6	7.217	1359799	246968	5.5060	256.1711
Dextromethorphan	Dextromethorphan-D3	7.248	264714	54685	4.8407	227.1962
Diphenhydramine	Diphenhydramine-D3	7.271	1933258	398272	4.8541	243.9014
Promethazine	Promethazine-D3	7.426	1913033	371872	5.1443	275.8328

*Byylee*

# ISP FORENSICS - Cd'A Instrument # 62340

## Multi-Drug Confirmatory Analysis Report

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.482	236038	13260	17.8012	249.7299
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.540	82646	14105	5.8594	255.4948
Carisoprodol	Carisoprodol-D7	7.572	819433	180438	4.5413	261.3229
Lorazepam	Alprazolam-D5	7.582	88286	115796	0.7624	231.6941
Alprazolam	Alprazolam-D5	7.605	760746	115796	6.5697	250.9536

*Byyle*

# ISP FORENSICS - Cd'A Instrument # 62340

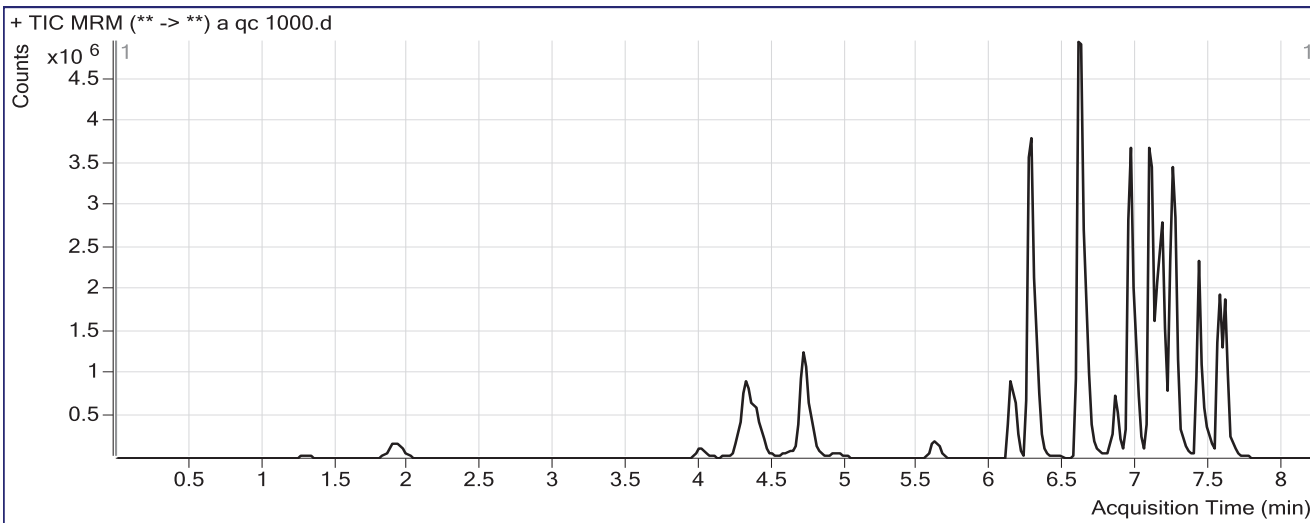
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2018 Data\05172018 mdq\QuantResults\05172018 MDQp1a.batch.bin  
**Analysis Time** 5/29/2018 1:25 PM **Analyst Name** ISP Tox  
**Report Time** 5/29/2018 1:53 PM **Reporter Name** ISP Tox  
**Last Calib Update** 5/29/2018 1:25 PM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-05-18 07:54 **Data File** a qc 1000.d  
**Sample Type** QC **Sample Name** a qc 1000  
**Dilution** 1 **Acq Method** Quant Panel 1a 10-17.m  
**Position** P1-D2 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28 Panel 1

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.288	148532	1769	83.9777	962.0952
Hydromorphone	Hydromorphone-D6	1.929	720474	24688	29.1828	927.1245
Codeine	Codeine-D6	4.016	340289	12797	26.5907	1000.8572
Amphetamine	Amphetamine-D11	4.323	2521338	40153	62.7935	825.5479
Oxycodone	Oxycodone-D6	4.389	1955602	81753	23.9210	963.0548
Hydrocodone	Hydrocodone-D6	4.694	1050671	66104	15.8942	936.0849
Norhydrocodone	Norhydrocodone-D3	4.739	76032	17822	4.2662	1019.0393
Methamphetamine	Methamphetamine-D11	4.721	2926231	128153	22.8338	853.0505
6-MAM	6-MAM-D6	4.948	56338	20797	2.7090	99.0795
Phentermine	Phentermine-D5	5.624	696858	126995	5.4873	879.0981
Dextroprphan	Dextroprphan-D3	6.143	1119217	83877	13.3436	1002.7047
7-aminoclonazepam	7-Aminoclonazepam-D4	6.272	1277288	65191	19.5929	916.1374
Tramadol	Tramadol-13C-D3	6.282	10103781	558240	18.0994	952.8548
Doxylamine	Doxylamine-D5	6.621	10824425	528295	20.4894	966.8277
Bupropion	Bupropion-D9	6.849	1373961	74572	18.4245	872.4711
Zolpidem	Zolpidem-D6	6.960	7807338	415724	18.7801	991.0068
Meprobamate	Meprobamate-D7	6.952	495267	32463	15.2566	889.1471
Venlafaxine	Venlafaxine-D6	7.085	9122966	438439	20.8078	957.1777
Trazodone	Trazodone-D6	7.155	4448360	184240	24.1444	1008.8489
Citalopram	Citalopram-D6	7.217	3212822	160407	20.0292	931.4391
Dextromethorphan	Dextromethorphan-D3	7.248	741361	34068	21.7615	1020.4297
Diphenhydramine	Diphenhydramine-D3	7.271	5042193	270751	18.6230	935.2992
Promethazine	Promethazine-D3	7.426	4536144	251415	18.0425	967.0953

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**ISP FORENSICS - Cd'A Instrument # 62340**  
**Multi-Drug Confirmatory Analysis Report**

<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>
Clonazepam	Clonazepam-D4	7.482	636188	9667	65.8116	921.5319
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.560	152859	11849	12.9003	563.0967
Carisoprodol	Carisoprodol-D7	7.572	2148127	122491	17.5370	1008.3574
Lorazepam	Alprazolam-D5	7.582	260684	81842	3.1852	973.5744
Alprazolam	Alprazolam-D5	7.605	2066278	81842	25.2473	963.5110

*Byyle*

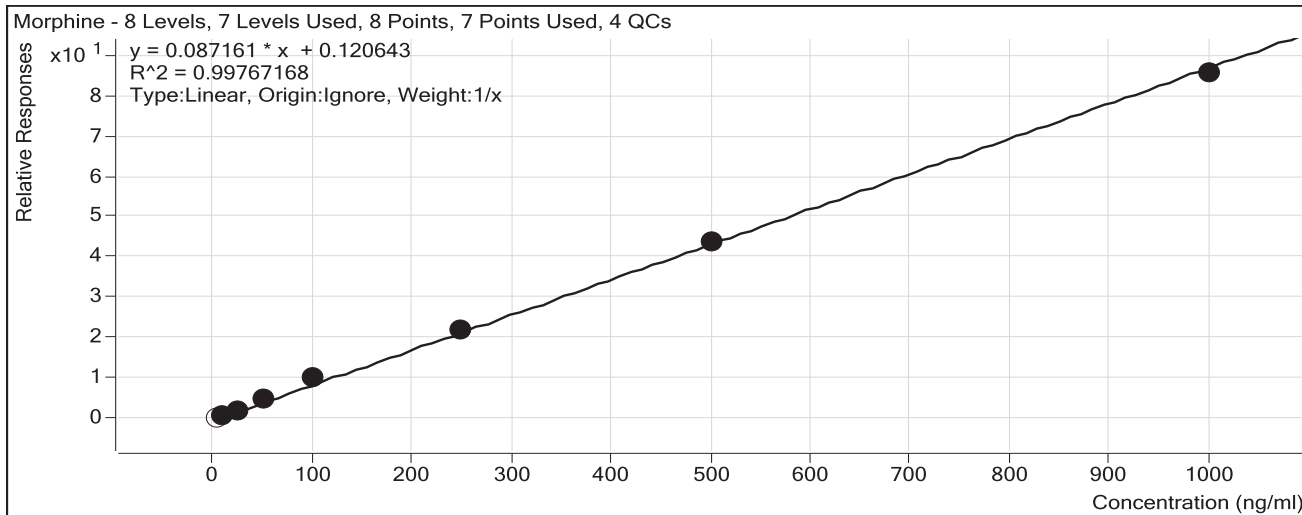
# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2018 Data\05172018 mdq\QuantResults\05172018 MDQp1a.batch.bin

**Last Calib Update** 5/29/2018 1:25 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 type="checkbox"/>	5	4.2	83.3
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	8.3	83.5
a QC 10	2	<input checked="" type="checkbox"/>	10	8.9	88.8
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.8	91.2
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	55.5	111.1
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	115.1	115.1
a qc 100	5	<input checked="" type="checkbox"/>	100	109.1	109.1
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	251.6	100.6
a QC 250	6	<input checked="" type="checkbox"/>	250	260.8	104.3
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	503.4	100.7
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	978.2	97.8
a qc 1000	8	<input checked="" type="checkbox"/>	1000	962.1	96.2

curve limited to 10-1000

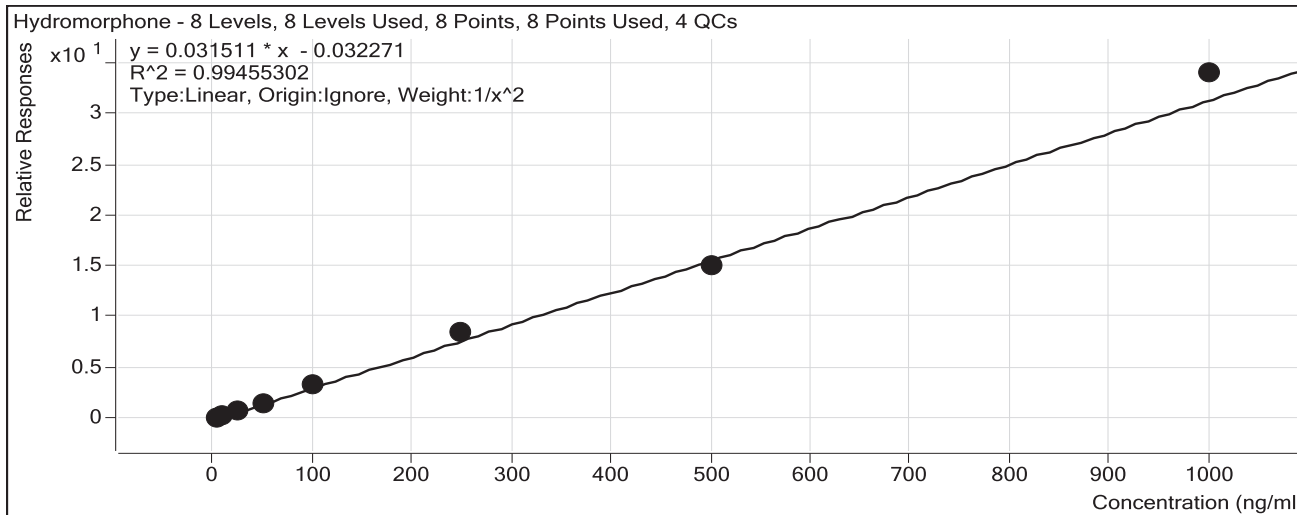
*Byylee*

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2018 Data\05172018 mdq\QuantResults\05172018 MDQp1a.batch.bin

**Last Calib Update** 5/29/2018 1:25 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	5.2	103.4
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	96.5
a QC 10	2	<input checked="" type="checkbox"/>	10	9.9	99.3
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.6	94.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	45.2	90.4
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	104.6	104.6
a qc 100	5	<input checked="" type="checkbox"/>	100	113.9	113.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	266.9	106.7
a QC 250	6	<input checked="" type="checkbox"/>	250	240.5	96.2
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	479.4	95.9
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1077.9	107.8
a qc 1000	8	<input checked="" type="checkbox"/>	1000	927.1	92.7

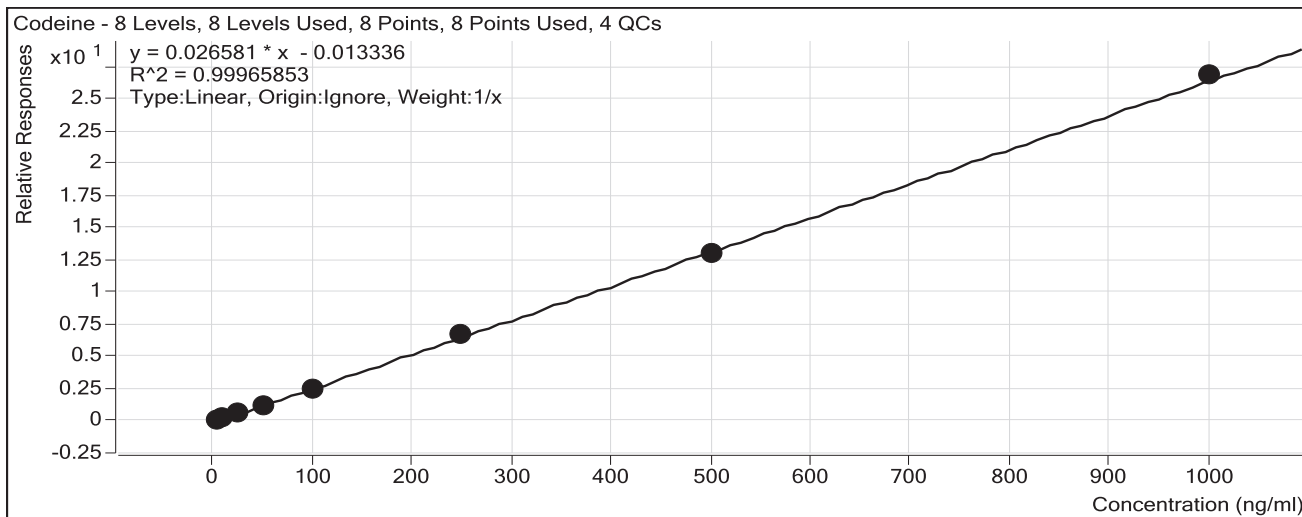
*Bylee*

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2018 Data\05172018 mdq\QuantResults\05172018 MDQp1a.batch.bin

**Last Calib Update** 5/29/2018 1:25 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 checked="" type="checkbox"/>	5	5.4	108.9
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	99.9
a QC 10	2	<input checked="" type="checkbox"/>	10	10.1	100.9
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.9	99.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.5	94.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	95.8	95.8
a qc 100	5	<input checked="" type="checkbox"/>	100	101.6	101.6
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	253.4	101.4
a QC 250	6	<input checked="" type="checkbox"/>	250	237.5	95.0
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	492.8	98.6
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1010.3	101.0
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1000.9	100.1

*Boyle*



# ISP Forensics Calibration Curve Report

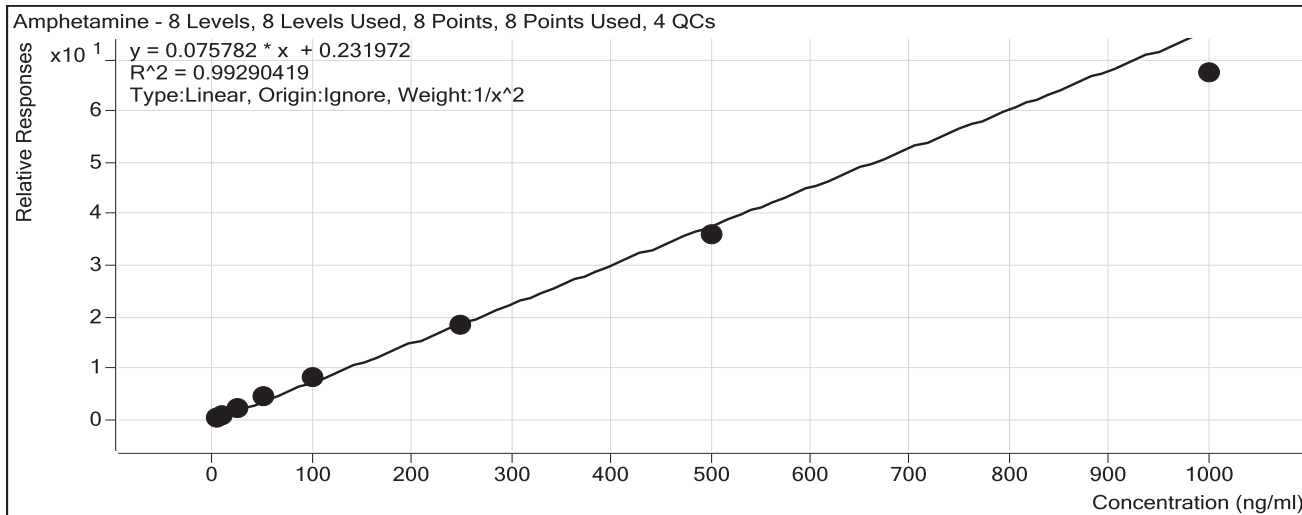
**Batch Data Path** D:\2018 Data\05172018 mdq\QuantResults\05172018 MDQp1a.batch.bin

**Last Calib Update** 5/29/2018 1:25 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 checked="" type="checkbox"/>	5	4.9	98.0
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	98.5
a QC 10	2	<input checked="" type="checkbox"/>	10	9.8	98.5
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	27.3	109.1
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	54.3	108.6
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	106.3	106.3
a qc 100	5	<input checked="" type="checkbox"/>	100	112.7	112.7
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	240.2	96.1
a QC 250	6	<input checked="" type="checkbox"/>	250	257.6	103.0
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	474.5	94.9
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	885.5	88.6
a qc 1000	8	<input checked="" type="checkbox"/>	1000	825.5	82.6

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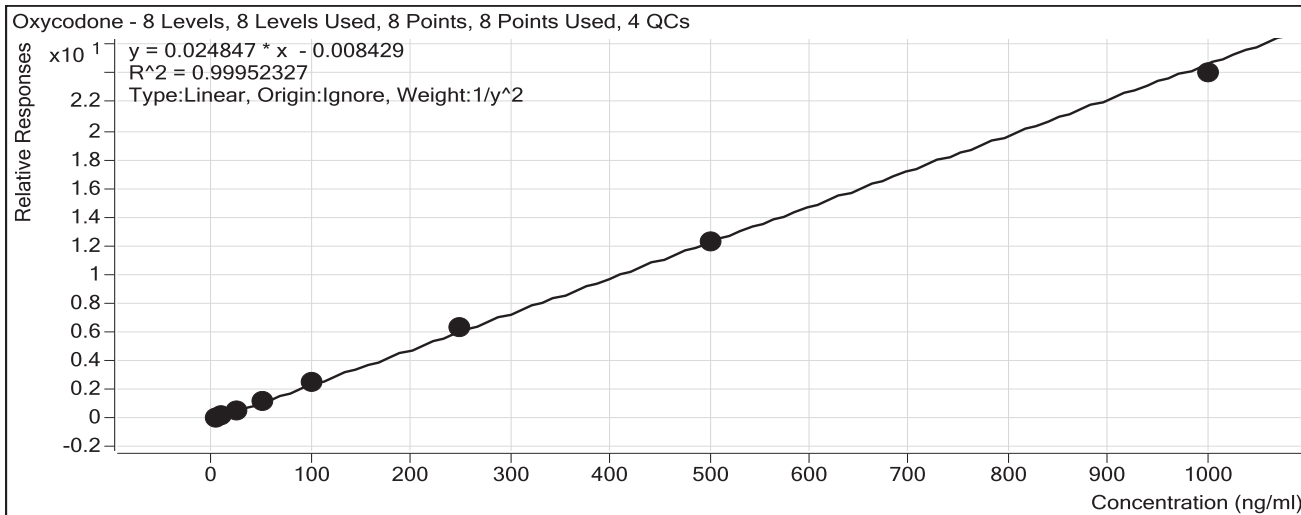
# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2018 Data\05172018 mdq\QuantResults\05172018 MDQp1a.batch.bin

**Last Calib Update** 5/29/2018 1:25 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	5.0	99.2
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.2	101.7
a QC 10	2	<input checked="" type="checkbox"/>	10	8.9	88.5
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.7	99.0
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.8	101.6
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.1	102.1
a qc 100	5	<input checked="" type="checkbox"/>	100	111.3	111.3
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	252.6	101.0
a QC 250	6	<input checked="" type="checkbox"/>	250	264.4	105.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	496.2	99.2
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	966.1	96.6
a qc 1000	8	<input checked="" type="checkbox"/>	1000	963.1	96.3

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# ISP Forensics Calibration Curve Report

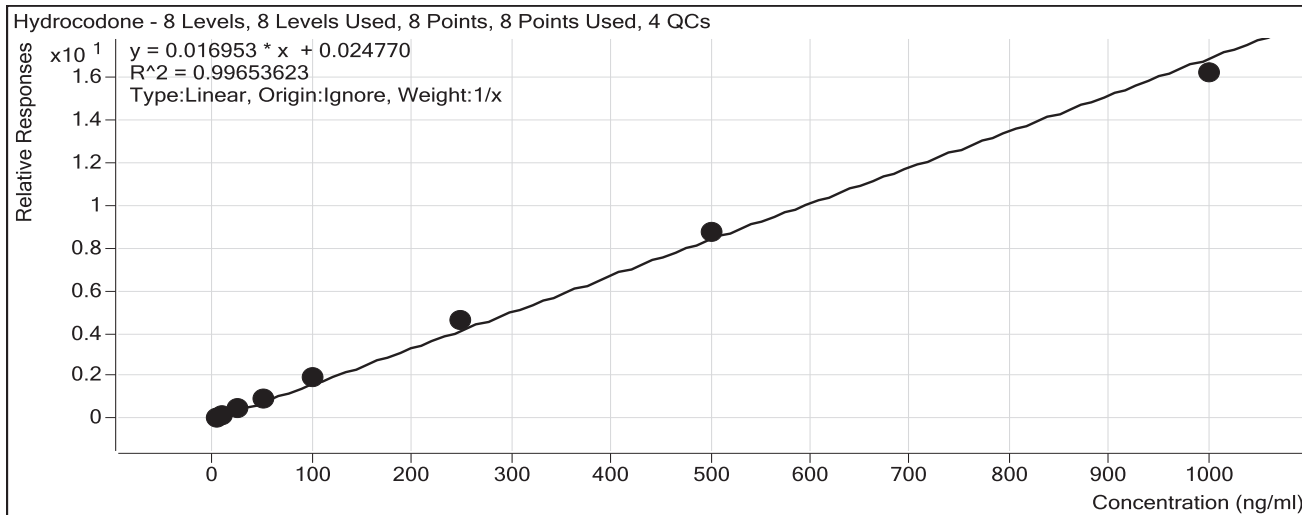
**Batch Data Path** D:\2018 Data\05172018 mdq\QuantResults\05172018 MDQp1a.batch.bin

**Last Calib Update** 5/29/2018 1:25 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	4.0	80.3
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	8.9	89.5
a QC 10	2	<input checked="" type="checkbox"/>	10	9.9	99.3
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.6	106.4
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	53.3	106.6
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	111.3	111.3
a qc 100	5	<input checked="" type="checkbox"/>	100	118.4	118.4
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	270.2	108.1
a QC 250	6	<input checked="" type="checkbox"/>	250	277.8	111.1
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	513.3	102.7
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	952.4	95.2
a qc 1000	8	<input checked="" type="checkbox"/>	1000	936.1	93.6

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# ISP Forensics Calibration Curve Report

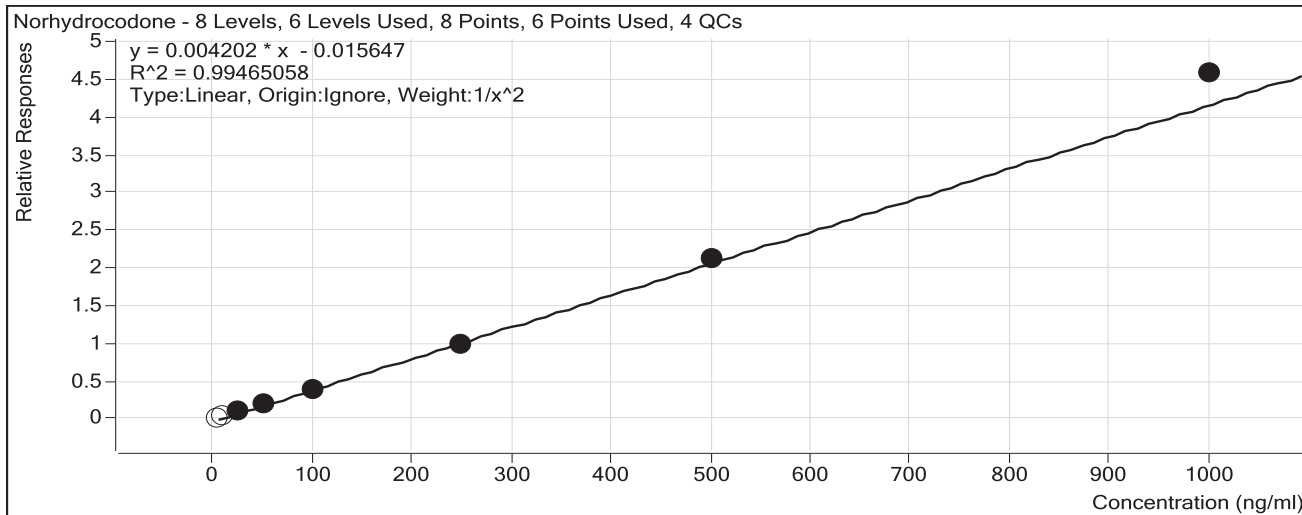
**Batch Data Path** D:\2018 Data\05172018 mdq\QuantResults\05172018 MDQp1a.batch.bin

**Last Calib Update** 5/29/2018 1:25 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	9.6	191.3
a cal 2-10ng	2	<input type="checkbox"/>	10	14.3	143.0
a QC 10	2	<input checked="" type="checkbox"/>	10	13.2	131.7
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.9	103.5
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.1	96.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	93.7	93.7
a qc 100	5	<input checked="" type="checkbox"/>	100	107.2	107.2
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	239.5	95.8
a QC 250	6	<input checked="" type="checkbox"/>	250	236.8	94.7
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	506.6	101.3
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1093.3	109.3
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1019.0	101.9

Curve limited 25-1000

*Bylee*

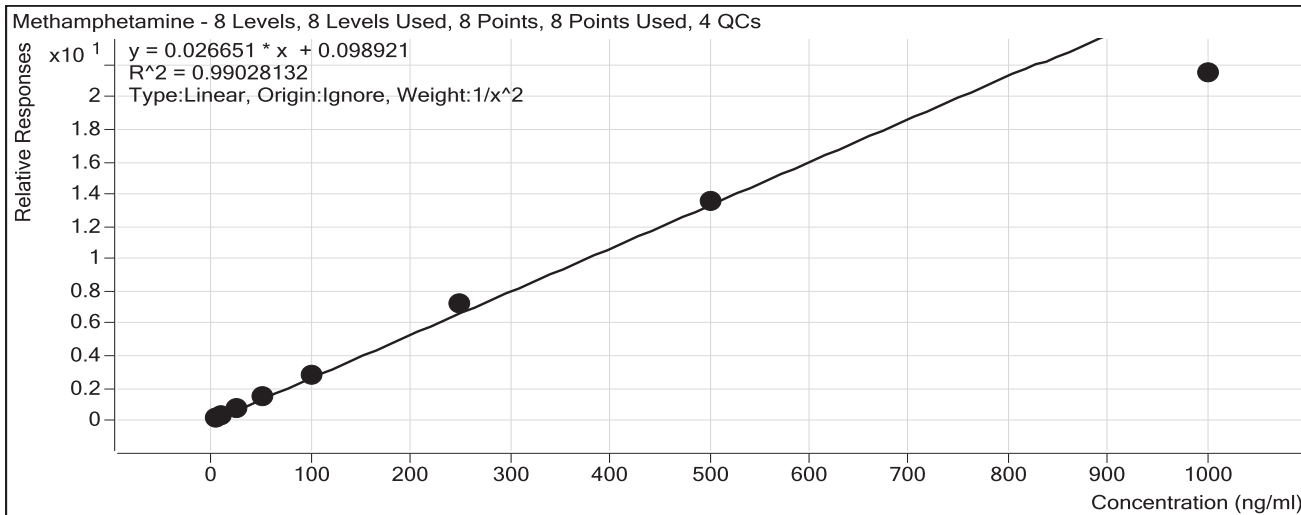
# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2018 Data\05172018 mdq\QuantResults\05172018 MDQp1a.batch.bin

**Last Calib Update** 5/29/2018 1:25 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	5.0	99.6
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	97.3
a QC 10	2	<input checked="" type="checkbox"/>	10	11.5	114.6
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.2	104.8
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.9	105.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	104.5	104.5
a qc 100	5	<input checked="" type="checkbox"/>	100	115.7	115.7
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	265.4	106.2
a QC 250	6	<input checked="" type="checkbox"/>	250	244.8	97.9
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	508.4	101.7
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	802.0	80.2
a qc 1000	8	<input checked="" type="checkbox"/>	1000	853.1	85.3

*Byylee*

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2018 Data\05172018 mdq\QuantResults\05172018 MDQp1a.batch.bin

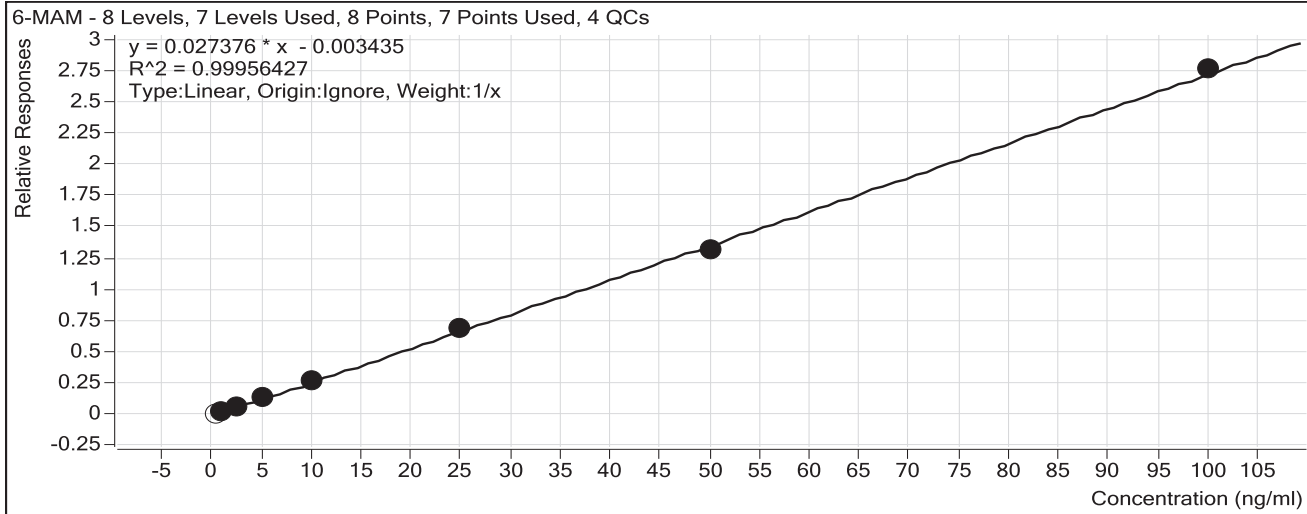
**Last Calib Update** 5/29/2018 1:25 PM

**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	0.6	111.4
a cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.0	97.1
a QC 10	2	<input checked="" type="checkbox"/>	1	0.9	85.9
a cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.5	98.8
a cal 4-50ng	4	<input checked="" type="checkbox"/>	5	5.2	103.2
a cal 5-100ng	5	<input checked="" type="checkbox"/>	10	10.1	101.1
a qc 100	5	<input checked="" type="checkbox"/>	10	10.6	105.8
a cal 6-250ng	6	<input checked="" type="checkbox"/>	25	25.5	102.0
a QC 250	6	<input checked="" type="checkbox"/>	25	24.8	99.1
a cal 7-500ng	7	<input checked="" type="checkbox"/>	50	48.5	96.9
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	100.8	100.8
a qc 1000	8	<input checked="" type="checkbox"/>	100	99.1	99.1

curve evaluated 2.5-100

*Boyle*

# ISP Forensics Calibration Curve Report

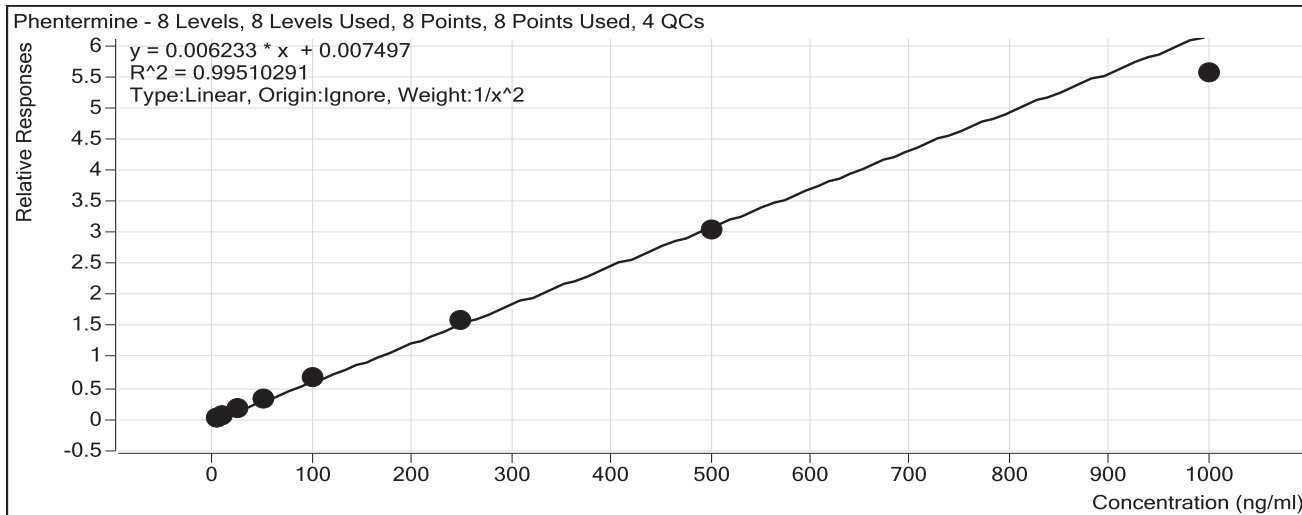
**Batch Data Path** D:\2018 Data\05172018 mdq\QuantResults\05172018 MDQp1a.batch.bin

**Last Calib Update** 5/29/2018 1:25 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 checked="" type="checkbox"/>	5	4.8	95.4
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.8	108.5
a QC 10	2	<input checked="" type="checkbox"/>	10	9.9	98.7
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.7	98.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.3	104.6
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	104.5	104.5
a qc 100	5	<input checked="" type="checkbox"/>	100	107.6	107.6
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	253.0	101.2
a QC 250	6	<input checked="" type="checkbox"/>	250	249.2	99.7
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	490.0	98.0
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	891.6	89.2
a qc 1000	8	<input checked="" type="checkbox"/>	1000	879.1	87.9

compound not evaluated

*Bylee*

# ISP Forensics Calibration Curve Report

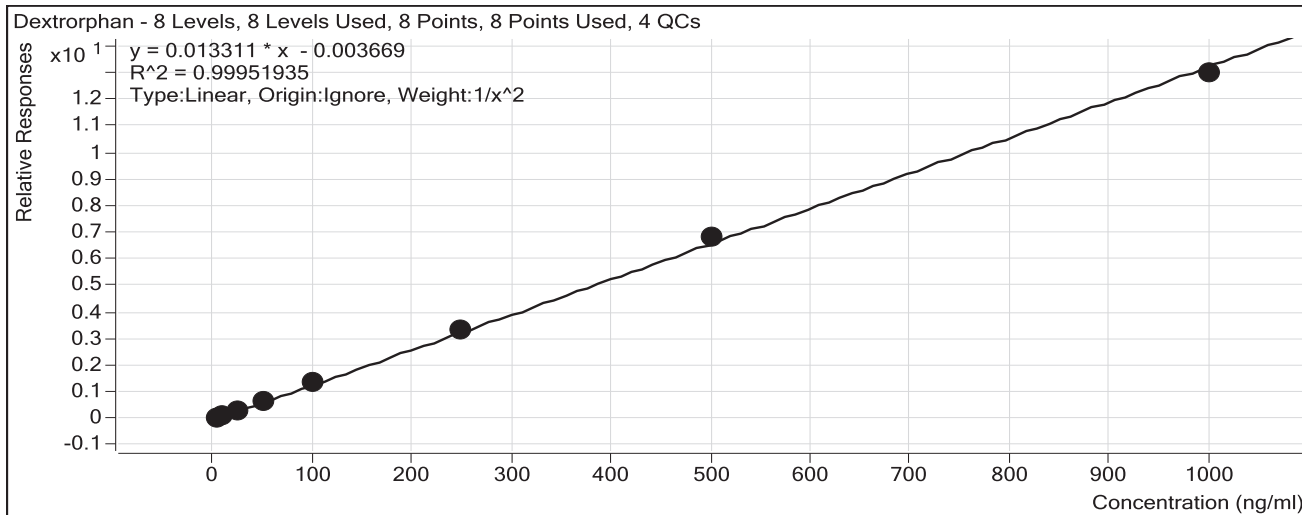
**Batch Data Path** D:\2018 Data\05172018 mdq\QuantResults\05172018 MDQp1a.batch.bin

**Last Calib Update** 5/29/2018 1:25 PM

**Analyst Name** ISP TOX

**Target Compound** *Dextrophan*

**Internal Standard** *Dextrophan-D3*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	101.2
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	98.0
a QC 10	2	<input checked="" type="checkbox"/>	10	9.8	98.2
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.7	98.7
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.7	99.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.3	101.3
a qc 100	5	<input checked="" type="checkbox"/>	100	110.9	110.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	253.5	101.4
a QC 250	6	<input checked="" type="checkbox"/>	250	257.3	102.9
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	513.4	102.7
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	974.1	97.4
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1002.7	100.3

*Bylee*



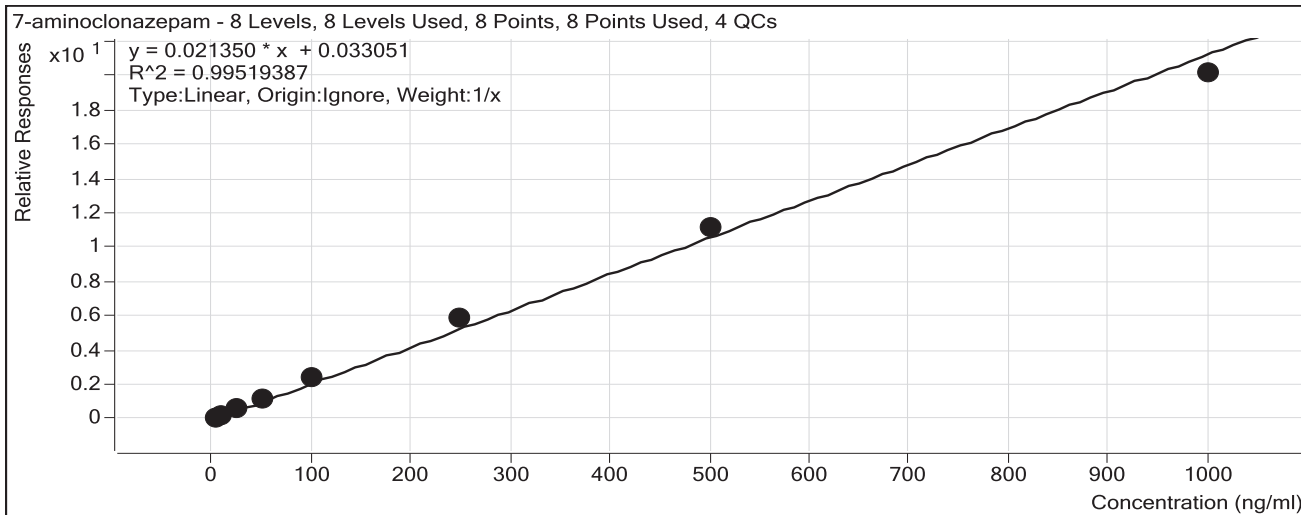
# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2018 Data\05172018 mdq\QuantResults\05172018 MDQp1a.batch.bin

**Last Calib Update** 5/29/2018 1:25 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	3.7	74.1
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.3	93.1
a QC 10	2	<input checked="" type="checkbox"/>	10	9.4	94.0
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.3	105.2
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	54.0	108.0
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	112.5	112.5
a qc 100	5	<input checked="" type="checkbox"/>	100	115.7	115.7
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	273.1	109.2
a QC 250	6	<input checked="" type="checkbox"/>	250	269.2	107.7
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	519.2	103.8
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	942.0	94.2
a qc 1000	8	<input checked="" type="checkbox"/>	1000	916.1	91.6

*BWylee*

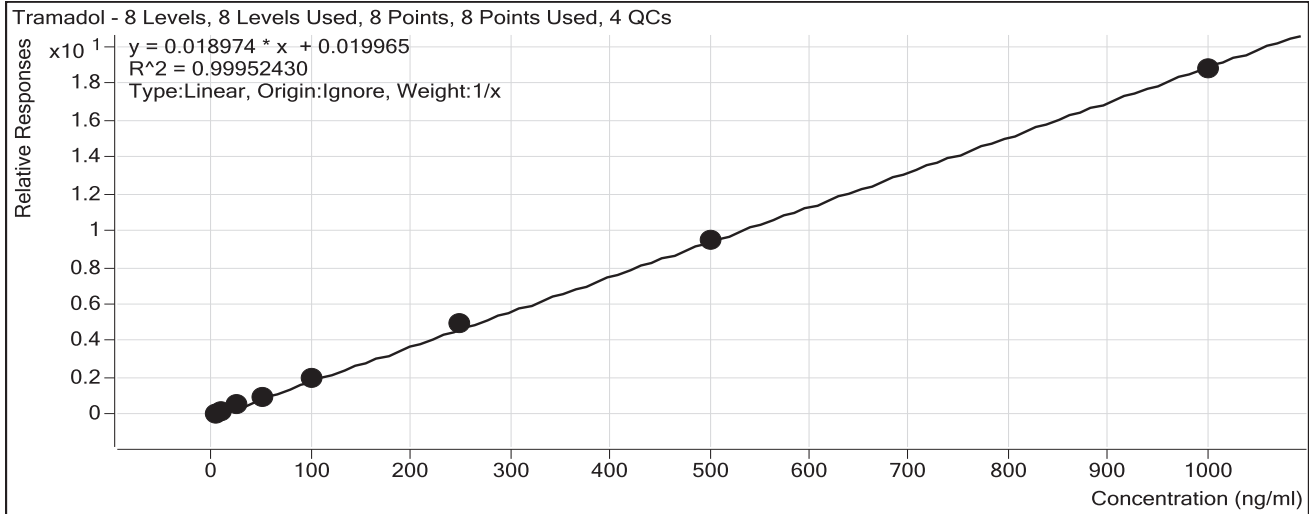
# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2018 Data\05172018 mdq\QuantResults\05172018 MDQp1a.batch.bin

**Last Calib Update** 5/29/2018 1:25 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	4.4	88.4
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	96.3
a QC 10	2	<input checked="" type="checkbox"/>	10	9.8	98.1
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.3	105.0
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.4	104.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	104.1	104.1
a qc 100	5	<input checked="" type="checkbox"/>	100	107.2	107.2
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	257.9	103.2
a QC 250	6	<input checked="" type="checkbox"/>	250	257.8	103.1
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	498.0	99.6
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	987.3	98.7
a qc 1000	8	<input checked="" type="checkbox"/>	1000	952.9	95.3

*Bylee*

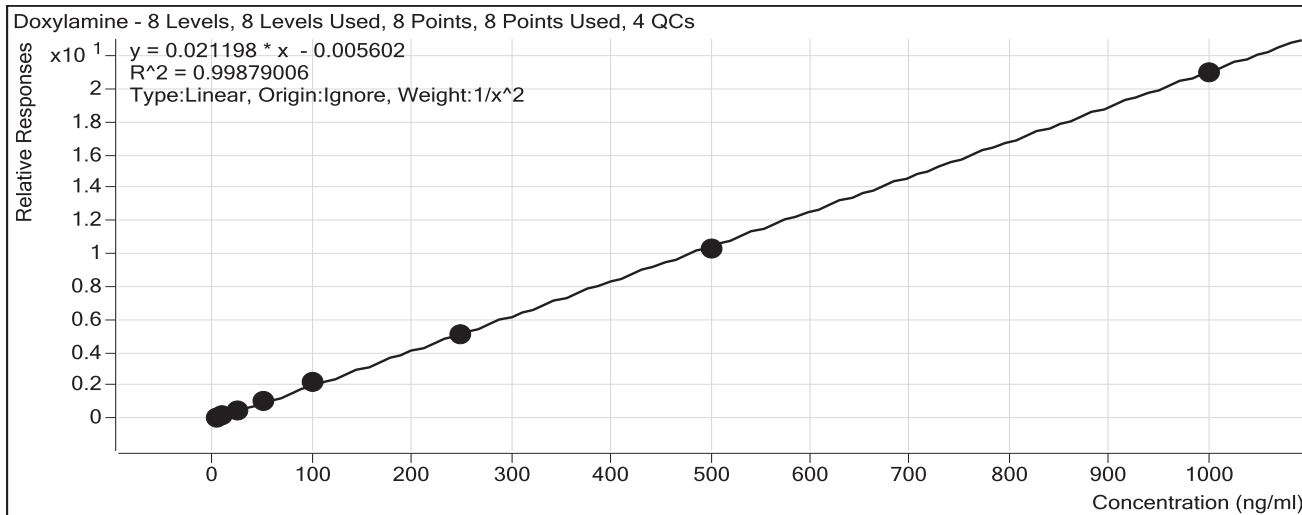
# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2018 Data\05172018 mdq\QuantResults\05172018 MDQp1a.batch.bin

**Last Calib Update** 5/29/2018 1:25 PM **Analyst Name** ISP TOX

**Target Compound** Doxylamine

**Internal Standard** Doxylamine-D5



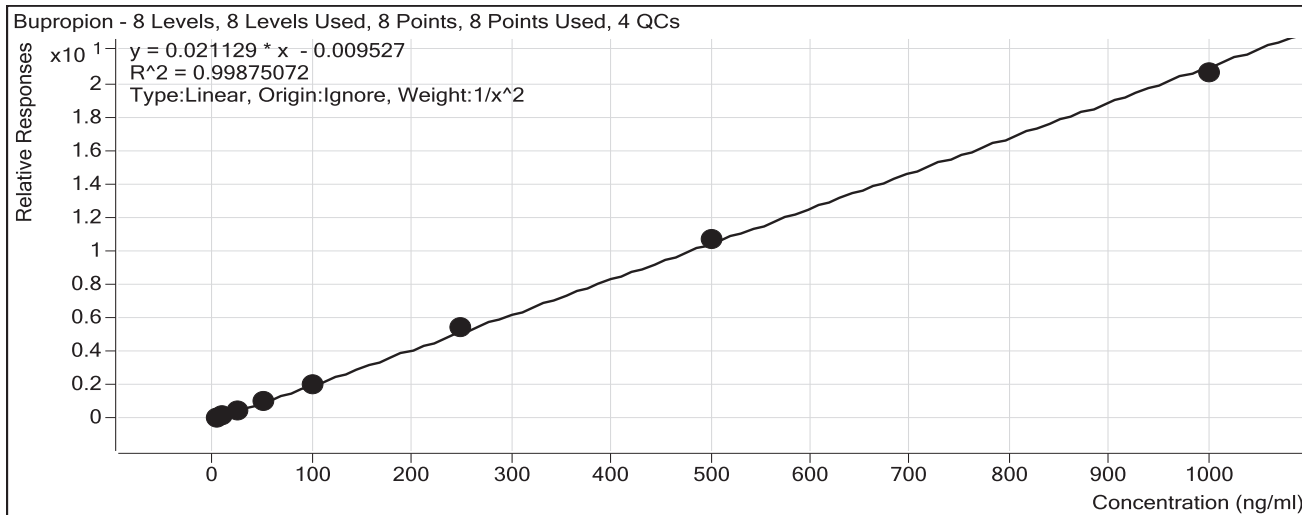
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.8	97.0
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.5	104.9
a QC 10	2	<input checked="" type="checkbox"/>	10	10.3	103.2
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.8	103.0
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.8	99.6
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.3	102.3
a qc 100	5	<input checked="" type="checkbox"/>	100	106.6	106.6
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	243.2	97.3
a QC 250	6	<input checked="" type="checkbox"/>	250	246.8	98.7
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	486.0	97.2
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	988.2	98.8
a qc 1000	8	<input checked="" type="checkbox"/>	1000	966.8	96.7

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2018 Data\05172018 mdq\QuantResults\05172018 MDQp1a.batch.bin

**Last Calib Update** 5/29/2018 1:25 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	4.9	98.9
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	101.4
a QC 10	2	<input checked="" type="checkbox"/>	10	9.5	95.0
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.5	102.0
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.4	102.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	93.9	93.9
a qc 100	5	<input checked="" type="checkbox"/>	100	104.6	104.6
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	256.7	102.7
a QC 250	6	<input checked="" type="checkbox"/>	250	225.9	90.4
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	504.4	100.9
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	974.8	97.5
a qc 1000	8	<input checked="" type="checkbox"/>	1000	872.5	87.2

*BWylee*

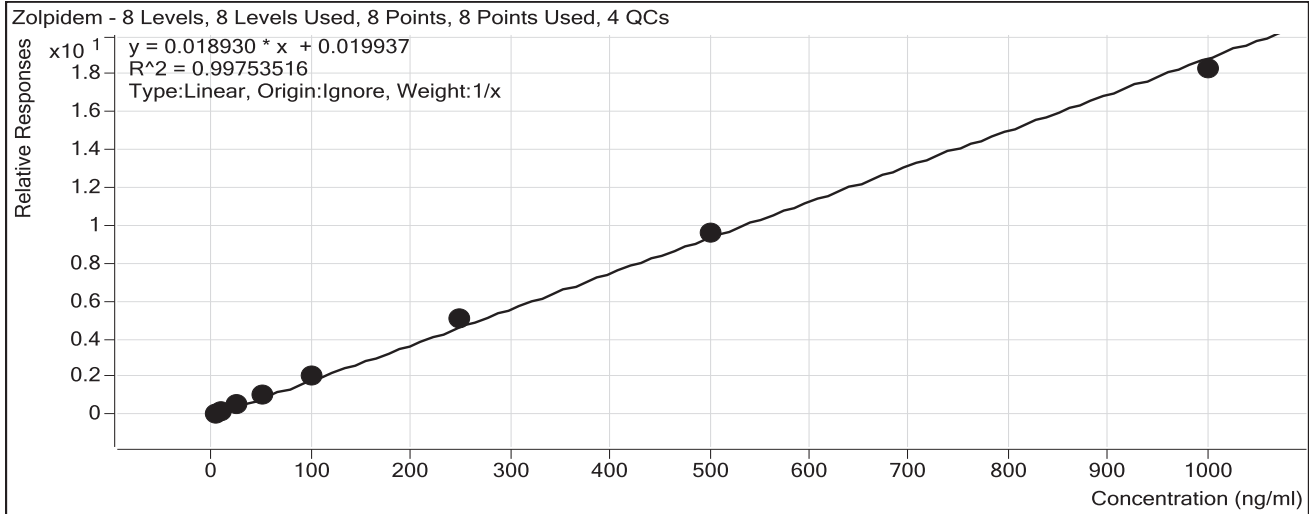
# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2018 Data\05172018 mdq\QuantResults\05172018 MDQp1a.batch.bin

**Last Calib Update** 5/29/2018 1:25 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	4.0	80.4
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.5	95.4
a QC 10	2	<input checked="" type="checkbox"/>	10	9.5	94.9
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.7	102.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	53.5	107.0
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	108.8	108.8
a qc 100	5	<input checked="" type="checkbox"/>	100	111.7	111.7
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	270.6	108.2
a QC 250	6	<input checked="" type="checkbox"/>	250	257.4	102.9
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	504.8	101.0
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	963.0	96.3
a qc 1000	8	<input checked="" type="checkbox"/>	1000	991.0	99.1

*BWYEE*

# ISP Forensics Calibration Curve Report

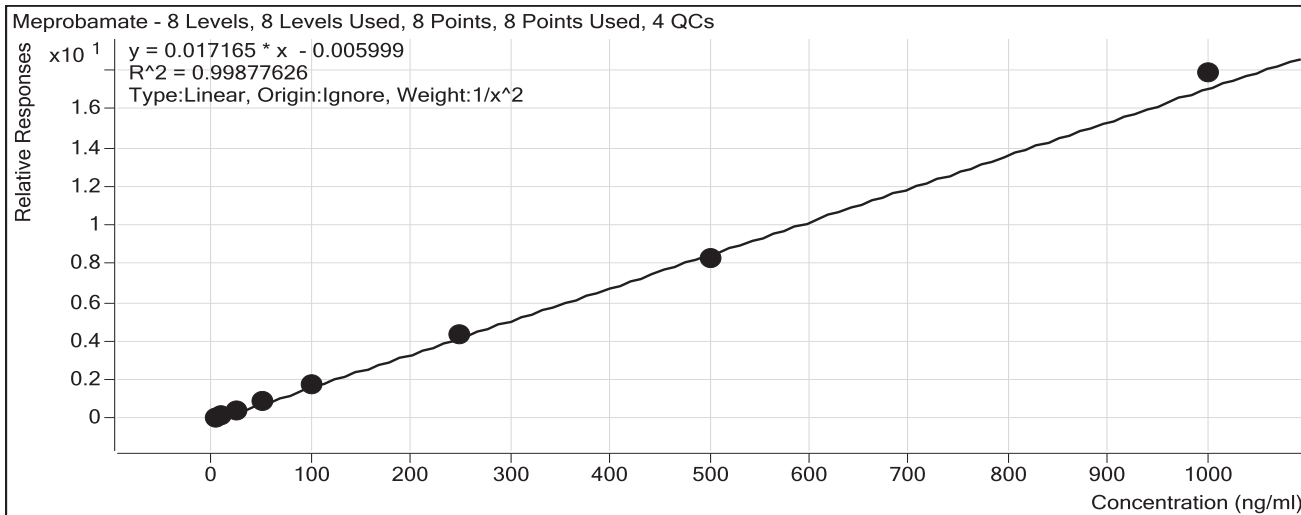
**Batch Data Path** D:\2018 Data\05172018 mdq\QuantResults\05172018 MDQp1a.batch.bin

**Last Calib Update** 5/29/2018 1:25 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	5.1	102.2
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	96.5
a QC 10	2	<input checked="" type="checkbox"/>	10	9.3	93.5
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.5	98.1
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.0	98.0
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.9	102.9
a qc 100	5	<input checked="" type="checkbox"/>	100	115.9	115.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	254.8	101.9
a QC 250	6	<input checked="" type="checkbox"/>	250	252.5	101.0
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	482.3	96.5
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1039.7	104.0
a qc 1000	8	<input checked="" type="checkbox"/>	1000	889.1	88.9

*Bylee*

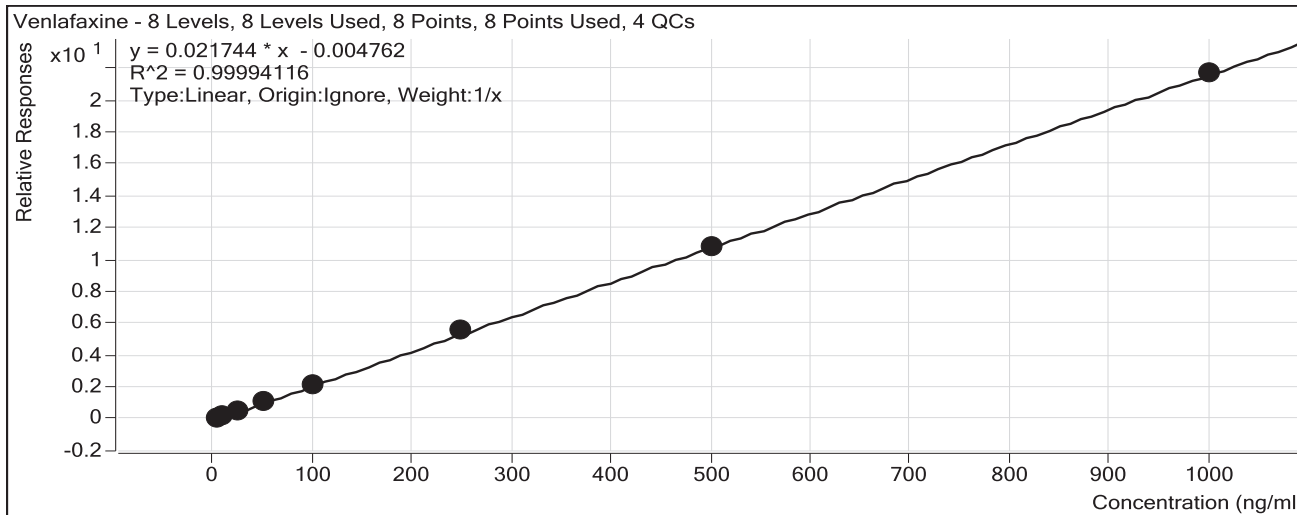
# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2018 Data\05172018 mdq\QuantResults\05172018 MDQp1a.batch.bin

**Last Calib Update** 5/29/2018 1:25 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	101.6
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	98.2
a QC 10	2	<input checked="" type="checkbox"/>	10	10.5	105.1
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.1	100.2
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.6	99.2
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.5	99.5
a qc 100	5	<input checked="" type="checkbox"/>	100	109.3	109.3
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	254.6	101.8
a QC 250	6	<input checked="" type="checkbox"/>	250	252.1	100.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	498.0	99.6
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	998.4	99.8
a qc 1000	8	<input checked="" type="checkbox"/>	1000	957.2	95.7

*Byyle*

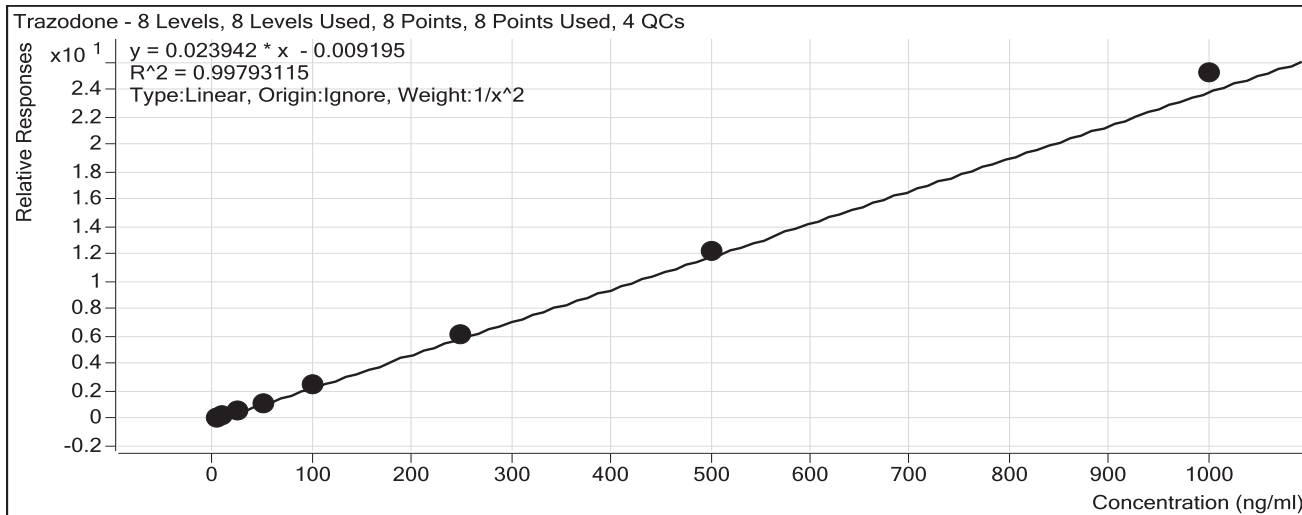
# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2018 Data\05172018 mdq\QuantResults\05172018 MDQp1a.batch.bin

**Last Calib Update** 5/29/2018 1:25 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	5.1	102.2
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	98.6
a QC 10	2	<input checked="" type="checkbox"/>	10	9.9	98.9
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.7	95.0
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.8	93.6
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.7	101.7
a qc 100	5	<input checked="" type="checkbox"/>	100	108.9	108.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	255.7	102.3
a QC 250	6	<input checked="" type="checkbox"/>	250	240.6	96.2
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	507.8	101.6
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1051.3	105.1
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1008.8	100.9

*BWYLee*

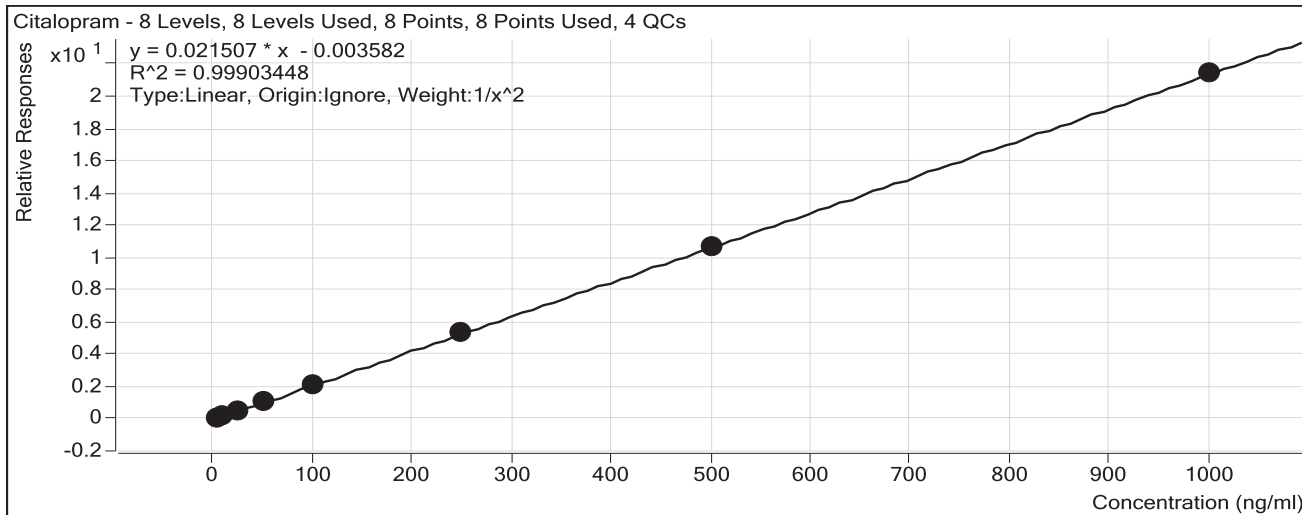


# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2018 Data\05172018 mdq\QuantResults\05172018 MDQp1a.batch.bin

**Last Calib Update** 5/29/2018 1:25 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	5.0	100.5
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	97.7
a QC 10	2	<input checked="" type="checkbox"/>	10	10.5	104.8
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.2	104.8
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.8	95.7
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.4	101.4
a qc 100	5	<input checked="" type="checkbox"/>	100	106.7	106.7
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	252.6	101.0
a QC 250	6	<input checked="" type="checkbox"/>	250	256.2	102.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	496.3	99.3
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	995.7	99.6
a qc 1000	8	<input checked="" type="checkbox"/>	1000	931.4	93.1

*Bylee*

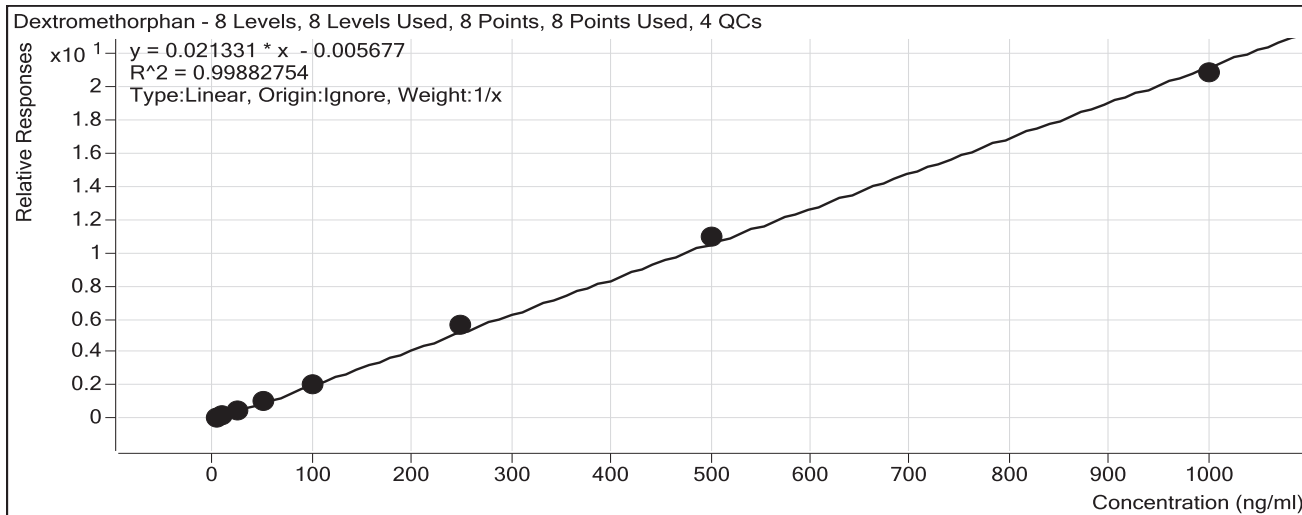
# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2018 Data\05172018 mdq\QuantResults\05172018 MDQp1a.batch.bin

**Last Calib Update** 5/29/2018 1:25 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	5.2	104.3
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	96.7
a QC 10	2	<input checked="" type="checkbox"/>	10	9.4	93.5
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.3	97.1
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.0	97.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.4	97.4
a qc 100	5	<input checked="" type="checkbox"/>	100	95.9	95.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	266.2	106.5
a QC 250	6	<input checked="" type="checkbox"/>	250	227.2	90.9
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	512.4	102.5
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	975.8	97.6
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1020.4	102.0

*BWylee*

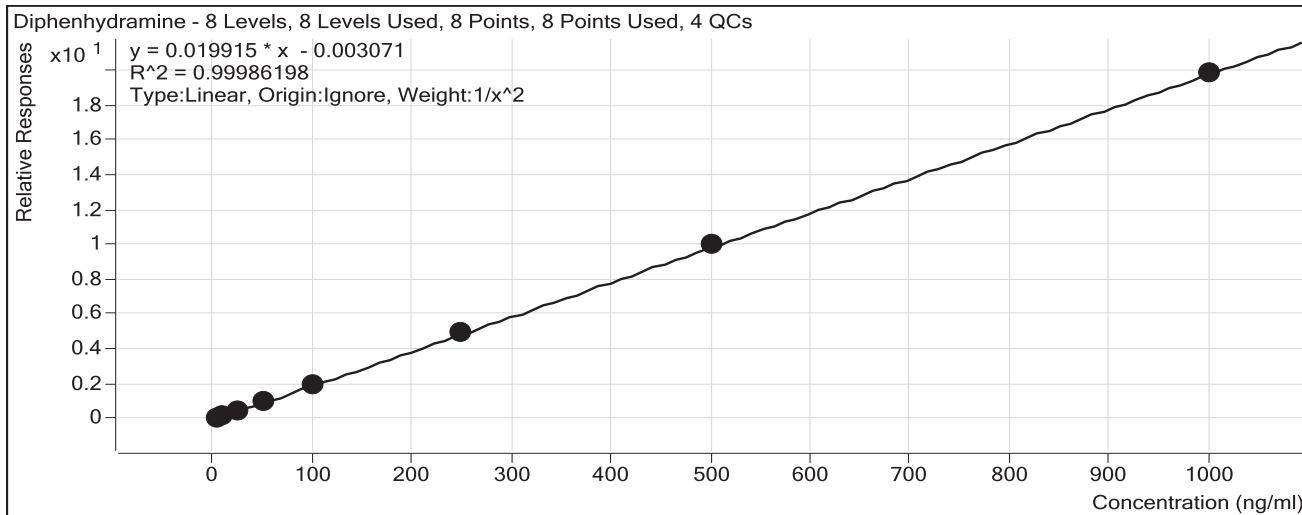
# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2018 Data\05172018 mdq\QuantResults\05172018 MDQp1a.batch.bin

**Last Calib Update** 5/29/2018 1:25 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	5.0	100.3
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	98.6
a QC 10	2	<input checked="" type="checkbox"/>	10	10.2	101.5
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.5	101.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.1	100.1
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.0	100.0
a qc 100	5	<input checked="" type="checkbox"/>	100	103.9	103.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	247.5	99.0
a QC 250	6	<input checked="" type="checkbox"/>	250	243.9	97.6
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	502.2	100.4
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	996.2	99.6
a qc 1000	8	<input checked="" type="checkbox"/>	1000	935.3	93.5

*Byylee*

# ISP Forensics Calibration Curve Report

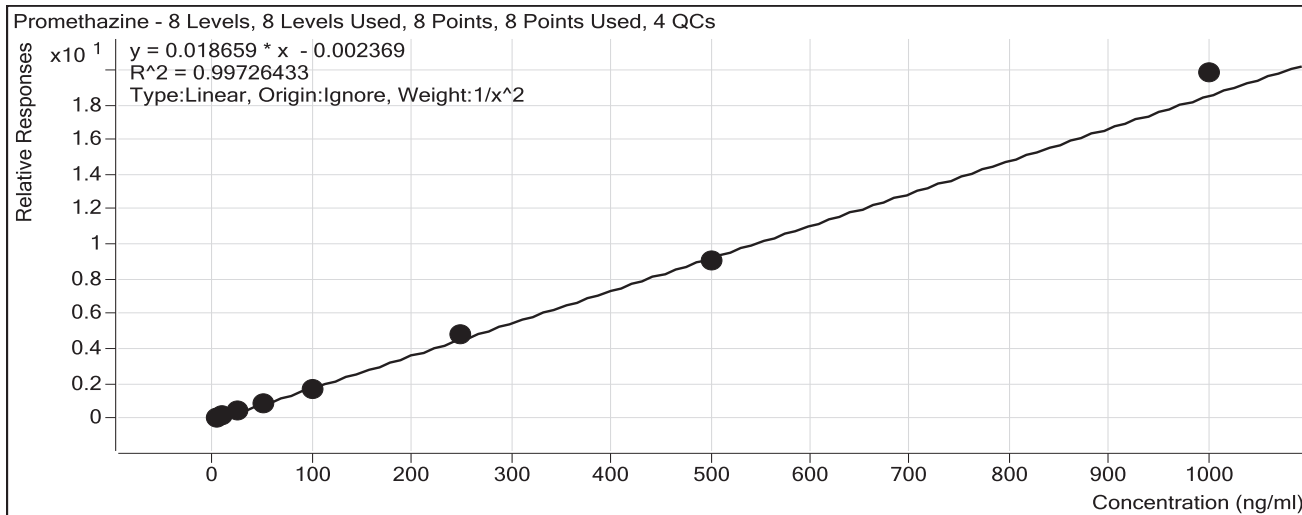
**Batch Data Path** D:\2018 Data\05172018 mdq\QuantResults\05172018 MDQp1a.batch.bin

**Last Calib Update** 5/29/2018 1:25 PM

**Analyst Name** ISP TOX

**Target Compound** Promethazine

**Internal Standard** Promethazine-D3



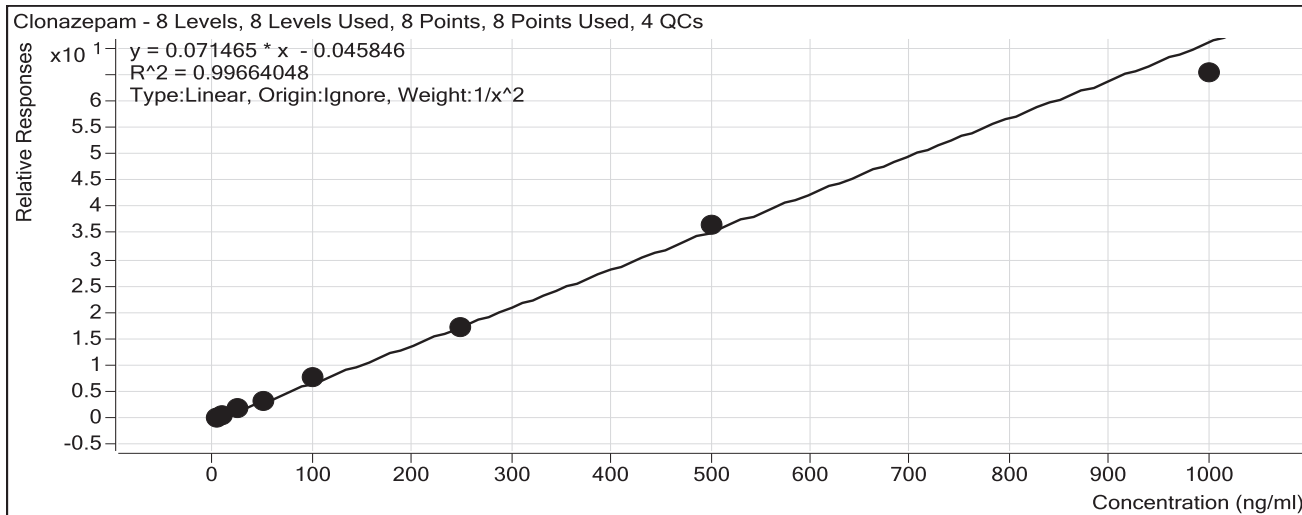
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.1
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	99.9
a QC 10	2	<input checked="" type="checkbox"/>	10	11.3	113.2
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.9	103.7
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.5	94.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	93.3	93.3
a qc 100	5	<input checked="" type="checkbox"/>	100	105.1	105.1
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	260.6	104.2
a QC 250	6	<input checked="" type="checkbox"/>	250	275.8	110.3
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	488.9	97.8
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1060.9	106.1
a qc 1000	8	<input checked="" type="checkbox"/>	1000	967.1	96.7

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2018 Data\05172018 mdq\QuantResults\05172018 MDQp1a.batch.bin

**Last Calib Update** 5/29/2018 1:25 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	4.9	97.7
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.4	103.8
a QC 10	2	<input checked="" type="checkbox"/>	10	10.8	107.9
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.3	101.4
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.2	98.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	107.8	107.8
a qc 100	5	<input checked="" type="checkbox"/>	100	117.0	117.0
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	243.1	97.2
a QC 250	6	<input checked="" type="checkbox"/>	250	249.7	99.9
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	513.2	102.6
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	911.7	91.2
a qc 1000	8	<input checked="" type="checkbox"/>	1000	921.5	92.2

*Bylee*

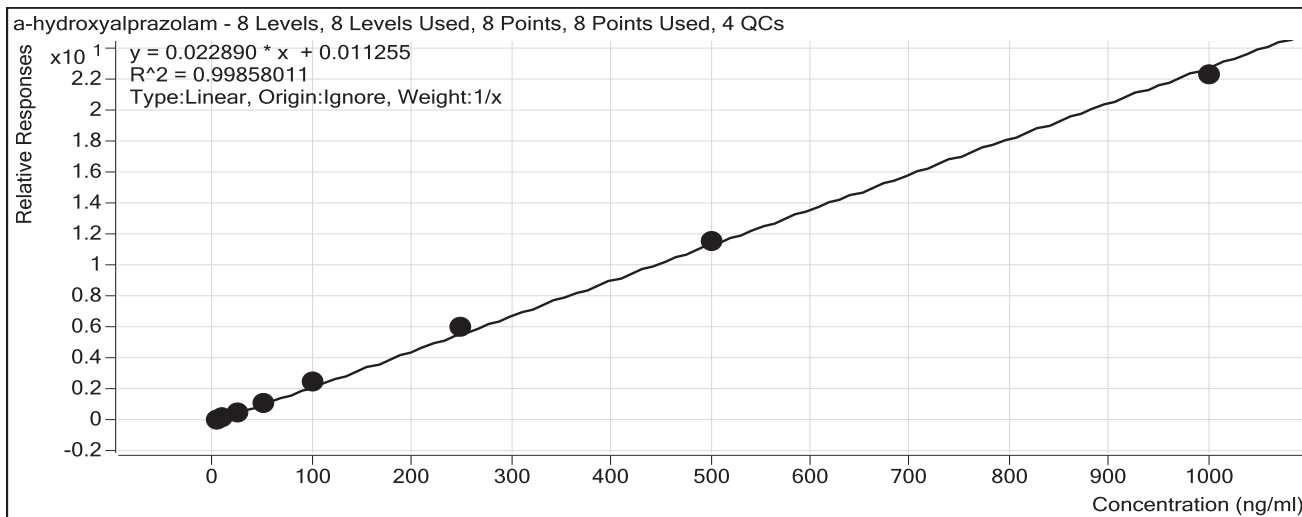
# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2018 Data\05172018 mdq\QuantResults\05172018 MDQp1a.batch.bin

**Last Calib Update** 5/29/2018 1:25 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 checked="" type="checkbox"/>	5	4.4	88.4
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	96.4
a QC 10	2	<input checked="" type="checkbox"/>	10	8.4	84.2
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.9	99.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.5	103.0
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	109.3	109.3
a qc 100	5	<input checked="" type="checkbox"/>	100	115.0	115.0
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	261.9	104.8
a QC 250	6	<input checked="" type="checkbox"/>	250	255.5	102.2
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	507.5	101.5
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	970.9	97.1
a qc 1000	8	<input checked="" type="checkbox"/>	1000	563.1	56.3

*Byylee*

# ISP Forensics Calibration Curve Report

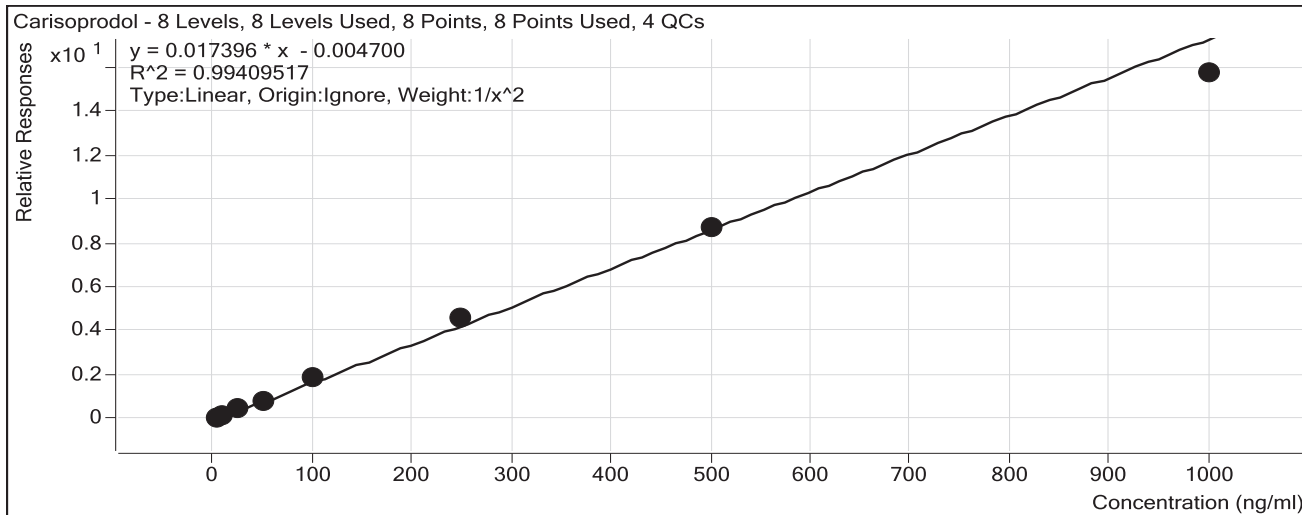
**Batch Data Path** D:\2018 Data\05172018 mdq\QuantResults\05172018 MDQp1a.batch.bin

**Last Calib Update** 5/29/2018 1:25 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	5.1	102.7
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.1	91.5
a QC 10	2	<input checked="" type="checkbox"/>	10	10.8	108.4
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.9	107.5
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.1	96.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	106.7	106.7
a qc 100	5	<input checked="" type="checkbox"/>	100	112.4	112.4
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	262.3	104.9
a QC 250	6	<input checked="" type="checkbox"/>	250	261.3	104.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	499.7	99.9
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	903.9	90.4
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1008.4	100.8

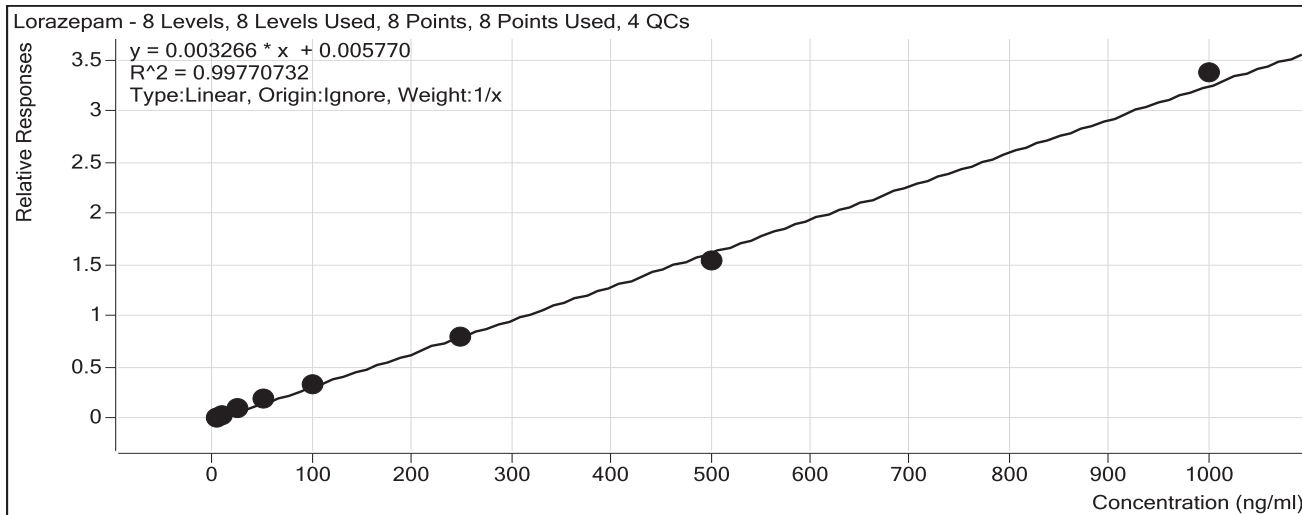
*Bylee*

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2018 Data\05172018 mdq\QuantResults\05172018 MDQp1a.batch.bin

**Last Calib Update** 5/29/2018 1:25 PM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.0	79.1
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.5	105.2
a QC 10	2	<input checked="" type="checkbox"/>	10	8.6	85.8
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	27.7	110.8
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	54.5	109.1
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.2	102.2
a qc 100	5	<input checked="" type="checkbox"/>	100	101.8	101.8
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	242.1	96.8
a QC 250	6	<input checked="" type="checkbox"/>	250	231.7	92.7
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	469.0	93.8
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1030.0	103.0
a qc 1000	8	<input checked="" type="checkbox"/>	1000	973.6	97.4

*Byyle*



# ISP Forensics Calibration Curve Report

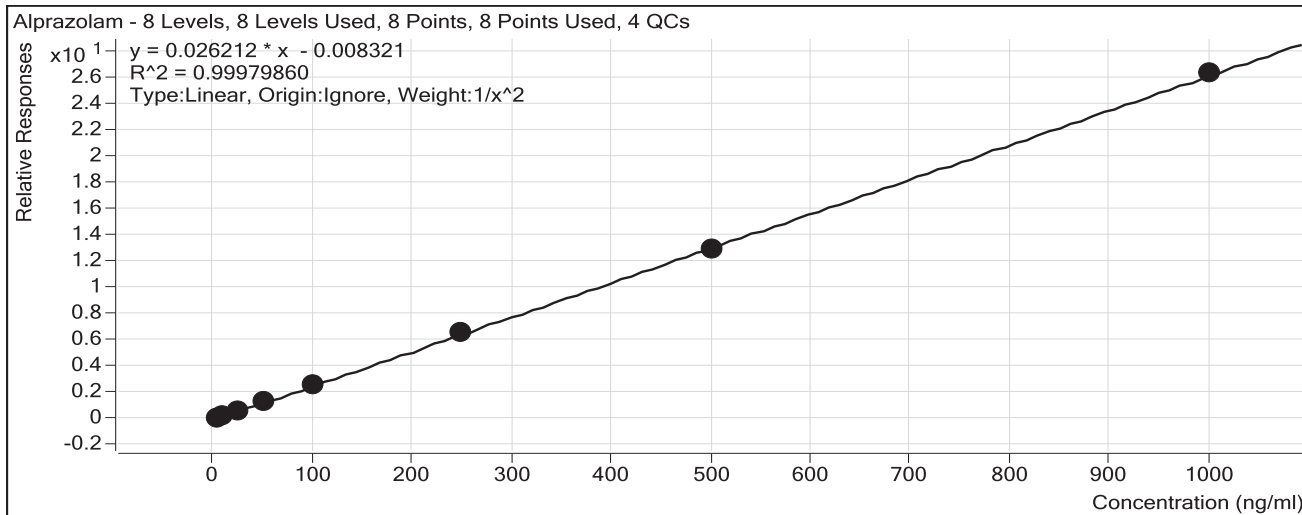
**Batch Data Path** D:\2018 Data\05172018 mdq\QuantResults\05172018 MDQp1a.batch.bin

**Last Calib Update** 5/29/2018 1:25 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	5.0	100.5
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	99.7
a QC 10	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	50.0	100.0
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.7	101.7
a qc 100	5	<input checked="" type="checkbox"/>	100	101.9	101.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	253.4	101.4
a QC 250	6	<input checked="" type="checkbox"/>	250	251.0	100.4
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	493.9	98.8
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1001.2	100.1
a qc 1000	8	<input checked="" type="checkbox"/>	1000	963.5	96.4

*Bylee*

# ISP FORENSICS - Cd'A Instrument # 62340

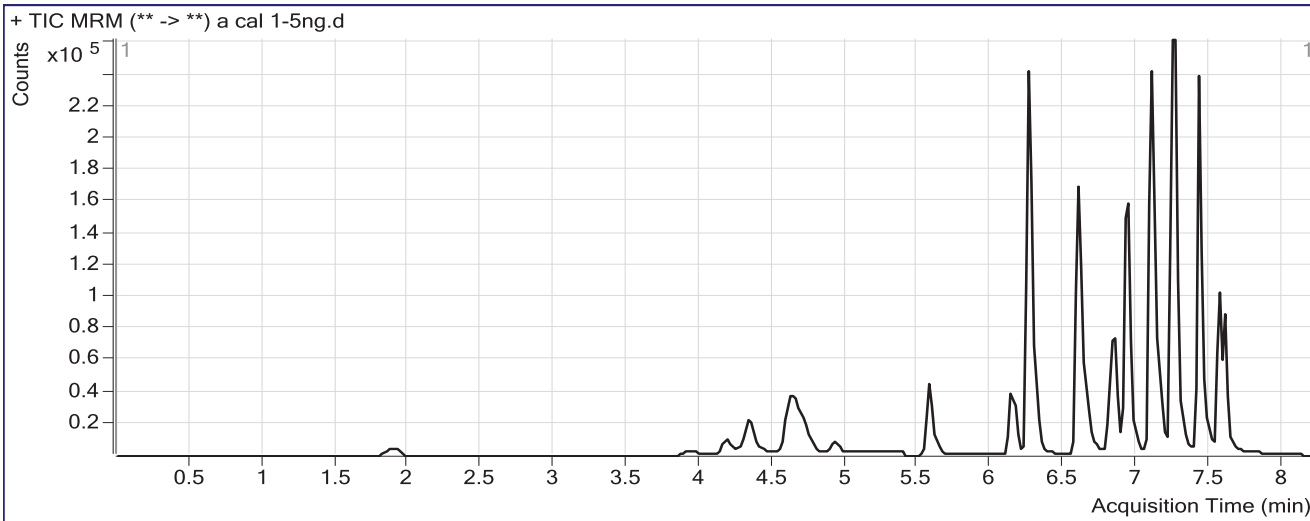
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	D:\2018 Data\05172018 mdq\QuantResults\05172018 MDQp1a.batch.bin		
<b>Analysis Time</b>	5/29/2018 1:25 PM	<b>Analyst Name</b>	ISP Tox
<b>Report Time</b>	5/29/2018 1:44 PM	<b>Reporter Name</b>	ISP Tox
<b>Last Calib Update</b>	5/29/2018 1:25 PM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2018-05-17 17:05	<b>Data File</b>	a cal 1-5ng.d
<b>Sample Type</b>	Calibration	<b>Sample Name</b>	a cal 1-5ng
<b>Dilution</b>	1	<b>Acq Method</b>	Quant Panel 1a 10-17.m
<b>Position</b>	P1-A1	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	AM 28 Panel 1

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.288	910	1883	0.4836	4.1645
Hydromorphone	Hydromorphone-D6	1.929	3472	26569	0.1307	5.1707
Codeine	Codeine-D6	4.036	1877	14287	0.1314	5.4451
Amphetamine	Amphetamine-D11	4.323	26232	43492	0.6031	4.8979
Oxycodone	Oxycodone-D6	4.389	7853	68393	0.1148	4.9605
Hydrocodone	Hydrocodone-D6	4.714	6074	65438	0.0928	4.0137
Norhydrocodone	Norhydrocodone-D3	4.739	647	26357	0.0246	9.5670
Methamphetamine	Methamphetamine-D11	4.741	32651	140984	0.2316	4.9780
6-MAM	6-MAM-D6	4.928	246	20796	0.0118	0.5570
Phentermine	Phentermine-D5	5.624	5431	145867	0.0372	4.7700
Dextroprphan	Dextroprphan-D3	6.143	6461	101411	0.0637	5.0617
7-aminoclonazepam	7-Aminoclonazepam-D4	6.272	9434	84146	0.1121	3.7031
Tramadol	Tramadol-13C-D3	6.282	61437	591868	0.1038	4.4185
Doxylamine	Doxylamine-D5	6.621	50716	521818	0.0972	4.8492
Bupropion	Bupropion-D9	6.849	21079	222003	0.0949	4.9447
Zolpidem	Zolpidem-D6	6.940	40115	417901	0.0960	4.0177
Meprobamate	Meprobamate-D7	6.952	3313	40558	0.0817	5.1076
Venlafaxine	Venlafaxine-D6	7.105	51857	490610	0.1057	5.0801
Trazodone	Trazodone-D6	7.134	24141	213416	0.1131	5.1086
Citalopram	Citalopram-D6	7.217	31955	305734	0.1045	5.0262
Dextromethorphan	Dextromethorphan-D3	7.248	6615	62639	0.1056	5.2168
Diphenhydramine	Diphenhydramine-D3	7.271	46811	483386	0.0968	5.0170
Promethazine	Promethazine-D3	7.426	42251	464349	0.0910	5.0035

*Byylee*

# ISP FORENSICS - Cd'A Instrument # 62340

## Multi-Drug Confirmatory Analysis Report

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.482	4932	16266	0.3032	4.8842
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.540	1740	15472	0.1125	4.4212
Carisoprodol	Carisoprodol-D7	7.572	16484	194689	0.0847	5.1372
Lorazepam	Alprazolam-D5	7.582	2532	135465	0.0187	3.9574
Alprazolam	Alprazolam-D5	7.605	16712	135465	0.1234	5.0238

*Byyle*

# ISP FORENSICS - Cd'A Instrument # 62340

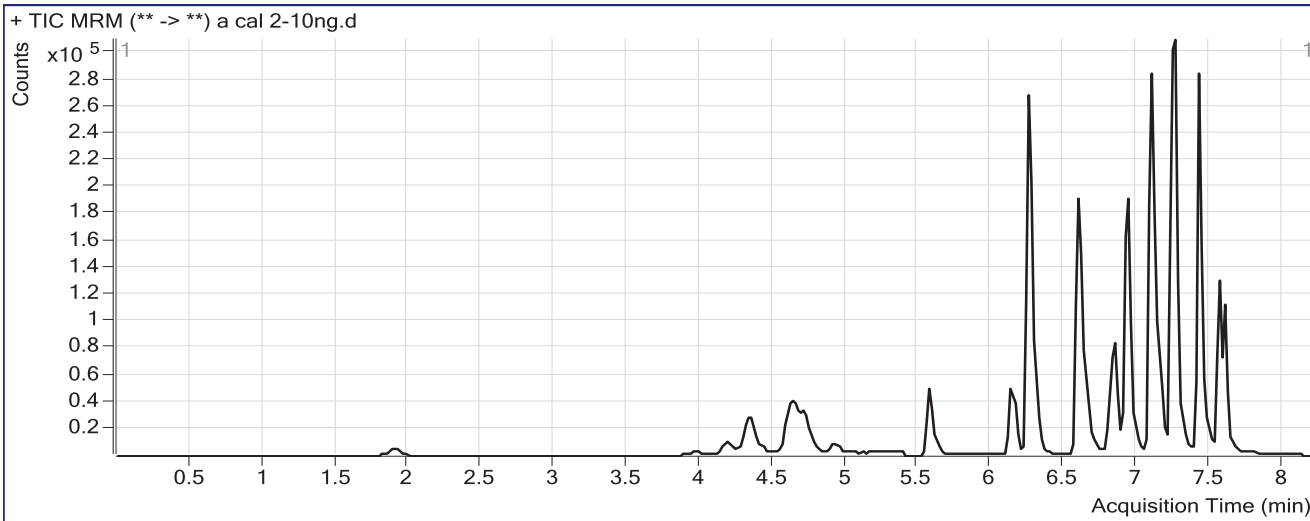
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	D:\2018 Data\05172018 mdq\QuantResults\05172018 MDQp1a.batch.bin		
<b>Analysis Time</b>	5/29/2018 1:25 PM	<b>Analyst Name</b>	ISP Tox
<b>Report Time</b>	5/29/2018 1:44 PM	<b>Reporter Name</b>	ISP Tox
<b>Last Calib Update</b>	5/29/2018 1:25 PM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2018-05-17 17:31	<b>Data File</b>	a cal 2-10ng.d
<b>Sample Type</b>	Calibration	<b>Sample Name</b>	a cal 2-10ng
<b>Dilution</b>	1	<b>Acq Method</b>	Quant Panel 1a 10-17.m
<b>Position</b>	P1-B1	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	AM 28 Panel 1

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.308	1707	2013	0.8480	8.3452
Hydromorphone	Hydromorphone-D6	1.929	7349	27029	0.2719	9.6520
Codeine	Codeine-D6	4.036	4037	16014	0.2521	9.9860
Amphetamine	Amphetamine-D11	4.343	44397	45394	0.9780	9.8450
Oxycodone	Oxycodone-D6	4.389	17668	72323	0.2443	10.1709
Hydrocodone	Hydrocodone-D6	4.714	12423	70395	0.1765	8.9485
Norhydrocodone	Norhydrocodone-D3	4.739	1202	27049	0.0444	14.3001
Methamphetamine	Methamphetamine-D11	4.741	56634	158125	0.3582	9.7270
6-MAM	6-MAM-D6	4.948	520	22466	0.0232	0.9711
Phentermine	Phentermine-D5	5.624	11776	156772	0.0751	10.8474
Dextroprphan	Dextroprphan-D3	6.143	14063	110936	0.1268	9.7987
7-aminoclonazepam	7-Aminoclonazepam-D4	6.272	20596	88876	0.2317	9.3062
Tramadol	Tramadol-13C-D3	6.282	124074	612352	0.2026	9.6266
Doxylamine	Doxylamine-D5	6.621	115842	534626	0.2167	10.4859
Bupropion	Bupropion-D9	6.849	43445	212287	0.2047	10.1369
Zolpidem	Zolpidem-D6	6.940	89933	448460	0.2005	9.5402
Meprobamate	Meprobamate-D7	6.952	6931	43403	0.1597	9.6522
Venlafaxine	Venlafaxine-D6	7.105	109625	524882	0.2089	9.8243
Trazodone	Trazodone-D6	7.134	53554	236046	0.2269	9.8603
Citalopram	Citalopram-D6	7.217	68223	330210	0.2066	9.7728
Dextromethorphan	Dextromethorphan-D3	7.248	14078	70175	0.2006	9.6709
Diphenhydramine	Diphenhydramine-D3	7.271	98152	508002	0.1932	9.8563
Promethazine	Promethazine-D3	7.426	93100	506070	0.1840	9.9865

*Byylee*

**ISP FORENSICS - Cd'A Instrument # 62340**  
**Multi-Drug Confirmatory Analysis Report**

<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>
Clonazepam	Clonazepam-D4	7.482	11337	16291	0.6959	10.3789
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.540	3760	16211	0.2319	9.6400
Carisoprodol	Carisoprodol-D7	7.572	32754	212096	0.1544	9.1473
Lorazepam	Alprazolam-D5	7.582	5667	141256	0.0401	10.5184
Alprazolam	Alprazolam-D5	7.605	35729	141256	0.2529	9.9670

*BWylee*

# ISP FORENSICS - Cd'A Instrument # 62340

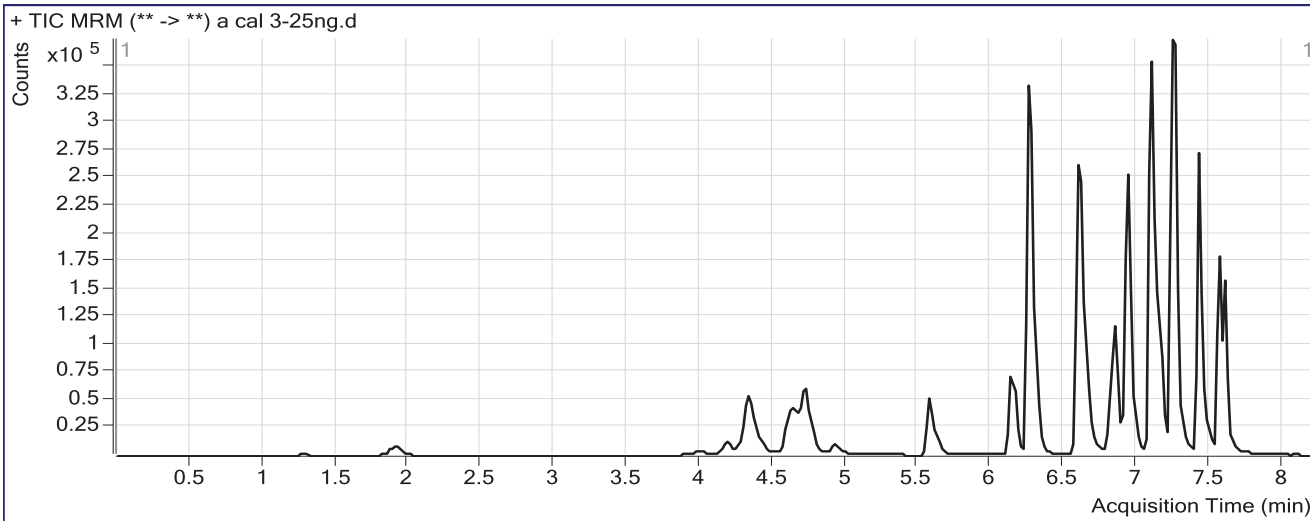
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	D:\2018 Data\05172018 mdq\QuantResults\05172018 MDQp1a.batch.bin		
<b>Analysis Time</b>	5/29/2018 1:25 PM	<b>Analyst Name</b>	ISP Tox
<b>Report Time</b>	5/29/2018 1:45 PM	<b>Reporter Name</b>	ISP Tox
<b>Last Calib Update</b>	5/29/2018 1:25 PM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2018-05-17 17:56	<b>Data File</b>	a cal 3-25ng.d
<b>Sample Type</b>	Calibration	<b>Sample Name</b>	a cal 3-25ng
<b>Dilution</b>	1	<b>Acq Method</b>	Quant Panel 1a 10-17.m
<b>Position</b>	P1-C1	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	AM 28 Panel 1

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.288	4305	2042	2.1083	22.8043
Hydromorphone	Hydromorphone-D6	1.949	19008	26664	0.7129	23.6465
Codeine	Codeine-D6	4.016	9780	15080	0.6485	24.8994
Amphetamine	Amphetamine-D11	4.343	111053	48299	2.2993	27.2799
Oxycodone	Oxycodone-D6	4.389	45754	75435	0.6065	24.7497
Hydrocodone	Hydrocodone-D6	4.714	33285	69999	0.4755	26.5876
Norhydrocodone	Norhydrocodone-D3	4.739	2542	27301	0.0931	25.8860
Methamphetamine	Methamphetamine-D11	4.741	126928	159253	0.7970	26.1937
6-MAM	6-MAM-D6	4.948	1480	23048	0.0642	2.4709
Phentermine	Phentermine-D5	5.624	27346	169643	0.1612	24.6571
Dextroprphan	Dextroprphan-D3	6.143	37489	115460	0.3247	24.6676
7-aminoclonazepam	7-Aminoclonazepam-D4	6.272	51905	87318	0.5944	26.2941
Tramadol	Tramadol-13C-D3	6.282	323961	625250	0.5181	26.2553
Doxylamine	Doxylamine-D5	6.621	308605	571103	0.5404	25.7555
Bupropion	Bupropion-D9	6.849	112778	213130	0.5292	25.4953
Zolpidem	Zolpidem-D6	6.940	222276	438512	0.5069	25.7232
Meprobamate	Meprobamate-D7	6.952	17534	42246	0.4150	24.5282
Venlafaxine	Venlafaxine-D6	7.105	295058	546429	0.5400	25.0526
Trazodone	Trazodone-D6	7.134	119305	213346	0.5592	23.7412
Citalopram	Citalopram-D6	7.217	166724	297726	0.5600	26.2037
Dextromethorphan	Dextromethorphan-D3	7.248	29985	58579	0.5119	24.2626
Diphenhydramine	Diphenhydramine-D3	7.271	232129	460228	0.5044	25.4813
Promethazine	Promethazine-D3	7.426	180685	375277	0.4815	25.9310

*Byylee*

**ISP FORENSICS - Cd'A Instrument # 62340**  
**Multi-Drug Confirmatory Analysis Report**

<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>
Clonazepam	Clonazepam-D4	7.482	25588	14495	1.7653	25.3430
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.540	9036	15551	0.5811	24.8933
Carisoprodol	Carisoprodol-D7	7.572	93296	201514	0.4630	26.8837
Lorazepam	Alprazolam-D5	7.582	12916	134242	0.0962	27.6957
Alprazolam	Alprazolam-D5	7.605	85050	134242	0.6336	24.4880

*Byylee*

# ISP FORENSICS - Cd'A Instrument # 62340

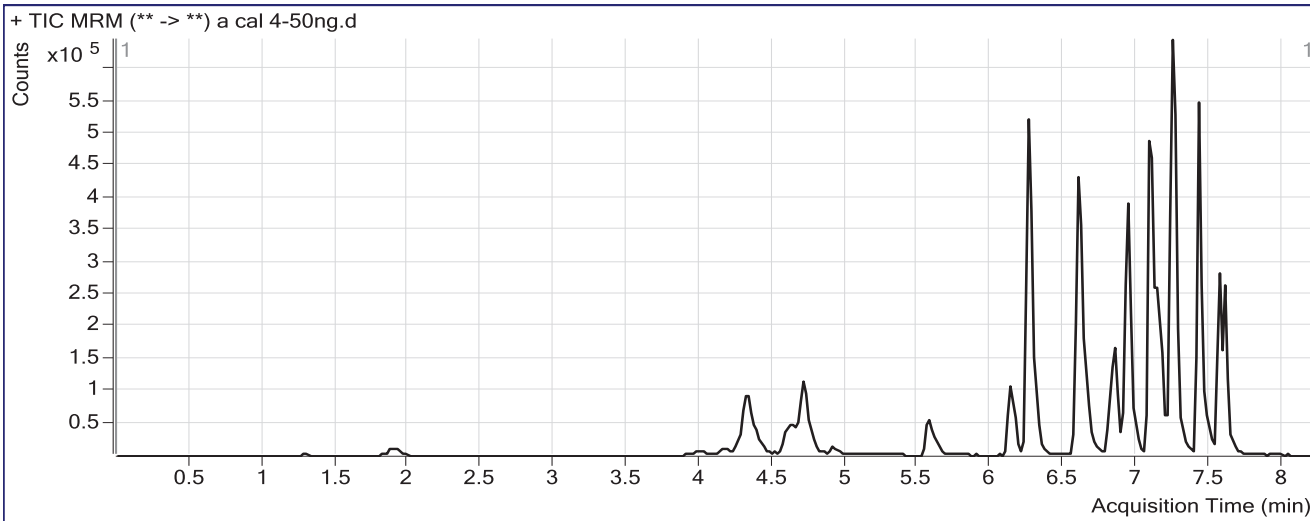
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	D:\2018 Data\05172018 mdq\QuantResults\05172018 MDQp1a.batch.bin		
<b>Analysis Time</b>	5/29/2018 1:25 PM	<b>Analyst Name</b>	ISP Tox
<b>Report Time</b>	5/29/2018 1:45 PM	<b>Reporter Name</b>	ISP Tox
<b>Last Calib Update</b>	5/29/2018 1:25 PM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2018-05-17 18:22	<b>Data File</b>	a cal 4-50ng.d
<b>Sample Type</b>	Calibration	<b>Sample Name</b>	a cal 4-50ng
<b>Dilution</b>	1	<b>Acq Method</b>	Quant Panel 1a 10-17.m
<b>Position</b>	P1-D1	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	AM 28 Panel 1

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.288	7733	1558	4.9618	55.5431
Hydromorphone	Hydromorphone-D6	1.929	34910	25065	1.3928	45.2234
Codeine	Codeine-D6	4.016	19774	15838	1.2485	47.4722
Amphetamine	Amphetamine-D11	4.323	228062	52449	4.3483	54.3179
Oxycodone	Oxycodone-D6	4.389	97827	78037	1.2536	50.7909
Hydrocodone	Hydrocodone-D6	4.714	68138	73372	0.9287	53.3181
Norhydrocodone	Norhydrocodone-D3	4.719	4981	26682	0.1867	48.1495
Methamphetamine	Methamphetamine-D11	4.741	249455	165304	1.5091	52.9110
6-MAM	6-MAM-D6	4.928	3292	23895	0.1378	5.1587
Phentermine	Phentermine-D5	5.624	59987	179828	0.3336	52.3117
Dextroprphan	Dextroprphan-D3	6.143	77321	117626	0.6573	49.6583
7-aminoclonazepam	7-Aminoclonazepam-D4	6.252	108660	91644	1.1857	53.9861
Tramadol	Tramadol-13C-D3	6.262	712654	702758	1.0141	52.3939
Doxylamine	Doxylamine-D5	6.621	598894	570499	1.0498	49.7861
Bupropion	Bupropion-D9	6.849	234823	218165	1.0764	51.3940
Zolpidem	Zolpidem-D6	6.940	490128	474531	1.0329	53.5082
Meprobamate	Meprobamate-D7	6.952	35394	42393	0.8349	48.9891
Venlafaxine	Venlafaxine-D6	7.085	644118	599754	1.0740	49.6112
Trazodone	Trazodone-D6	7.134	278726	250736	1.1116	46.8147
Citalopram	Citalopram-D6	7.217	356674	347854	1.0254	47.8413
Dextromethorphan	Dextromethorphan-D3	7.248	78748	75822	1.0386	48.9544
Diphenhydramine	Diphenhydramine-D3	7.271	525082	528370	0.9938	50.0563
Promethazine	Promethazine-D3	7.426	517121	585346	0.8834	47.4744

*Byylee*



# ISP FORENSICS - Cd'A Instrument # 62340

## Multi-Drug Confirmatory Analysis Report

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.482	57745	16656	3.4670	49.1545
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.540	17243	14494	1.1896	51.4815
Carisoprodol	Carisoprodol-D7	7.572	169496	203586	0.8326	48.1282
Lorazepam	Alprazolam-D5	7.582	25870	140726	0.1838	54.5253
Alprazolam	Alprazolam-D5	7.605	183253	140726	1.3022	49.9970

*BWyle*

# ISP FORENSICS - Cd'A Instrument # 62340

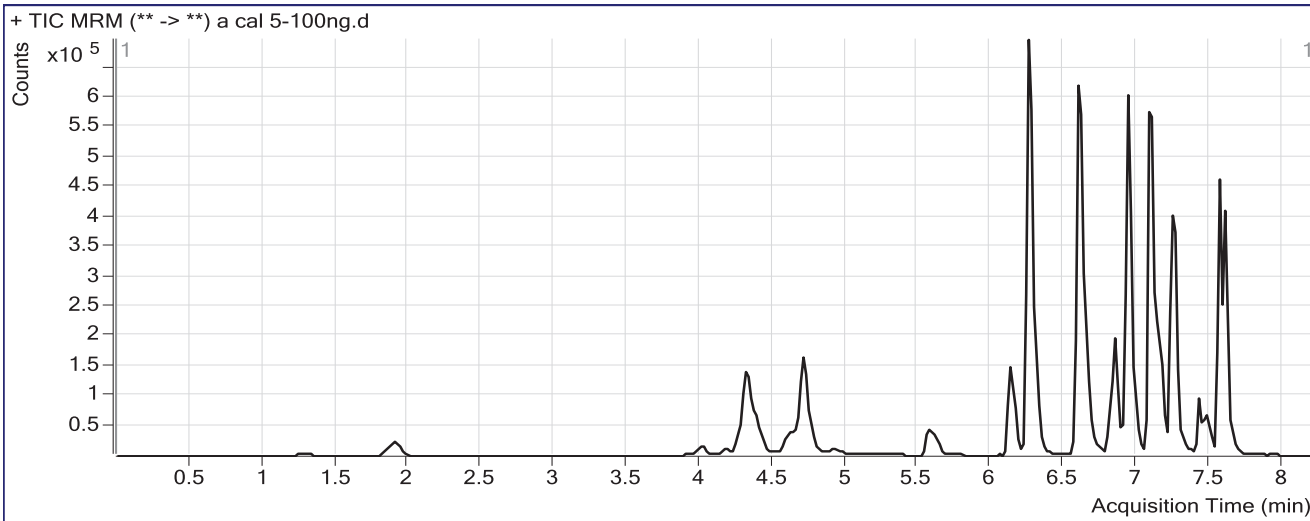
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	D:\2018 Data\05172018 mdq\QuantResults\05172018 MDQp1a.batch.bin		
<b>Analysis Time</b>	5/29/2018 1:25 PM	<b>Analyst Name</b>	ISP Tox
<b>Report Time</b>	5/29/2018 1:45 PM	<b>Reporter Name</b>	ISP Tox
<b>Last Calib Update</b>	5/29/2018 1:25 PM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2018-05-17 18:47	<b>Data File</b>	a cal 5-100ng.d
<b>Sample Type</b>	Calibration	<b>Sample Name</b>	a cal 5-100ng
<b>Dilution</b>	1	<b>Acq Method</b>	Quant Panel 1a 10-17.m
<b>Position</b>	P1-E1	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	AM 28 Panel 1

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.288	15992	1575	10.1527	115.0977
Hydromorphone	Hydromorphone-D6	1.909	72781	22297	3.2642	104.6112
Codeine	Codeine-D6	4.016	39281	15514	2.5321	95.7590
Amphetamine	Amphetamine-D11	4.323	343742	41468	8.2893	106.3225
Oxycodone	Oxycodone-D6	4.389	193279	76426	2.5290	102.1192
Hydrocodone	Hydrocodone-D6	4.694	129078	67534	1.9113	111.2812
Norhydrocodone	Norhydrocodone-D3	4.719	8982	23754	0.3781	93.7135
Methamphetamine	Methamphetamine-D11	4.721	329178	114118	2.8845	104.5207
6-MAM	6-MAM-D6	4.928	6029	22049	0.2735	10.1143
Phentermine	Phentermine-D5	5.624	92873	140952	0.6589	104.5017
Dextrophan	Dextrophan-D3	6.143	131845	98042	1.3448	101.3023
7-aminoclonazepam	7-Aminoclonazepam-D4	6.252	194958	80088	2.4343	112.4680
Tramadol	Tramadol-13C-D3	6.282	1249060	626299	1.9943	104.0578
Doxylamine	Doxylamine-D5	6.621	1117266	516674	2.1624	102.2741
Bupropion	Bupropion-D9	6.849	300838	152319	1.9751	93.9291
Zolpidem	Zolpidem-D6	6.940	900411	432814	2.0804	108.8422
Meprobamate	Meprobamate-D7	6.952	72535	41219	1.7598	102.8669
Venlafaxine	Venlafaxine-D6	7.085	1056039	489436	2.1577	99.4507
Trazodone	Trazodone-D6	7.134	251094	103565	2.4245	101.6507
Citalopram	Citalopram-D6	7.217	325586	149560	2.1770	101.3860
Dextromethorphan	Dextromethorphan-D3	7.248	45338	21873	2.0728	97.4361
Diphenhydramine	Diphenhydramine-D3	7.271	444928	223733	1.9887	100.0138
Promethazine	Promethazine-D3	7.426	115142	66249	1.7380	93.2742

*Byylee*

**ISP FORENSICS - Cd'A Instrument # 62340**  
**Multi-Drug Confirmatory Analysis Report**

<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>
Clonazepam	Clonazepam-D4	7.482	101858	13301	7.6577	107.7939
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.540	36644	14583	2.5128	109.2860
Carisoprodol	Carisoprodol-D7	7.572	364189	196614	1.8523	106.7476
Lorazepam	Alprazolam-D5	7.582	43983	129547	0.3395	102.1948
Alprazolam	Alprazolam-D5	7.605	344129	129547	2.6564	101.6602

*Byyle*

# ISP FORENSICS - Cd'A Instrument # 62340

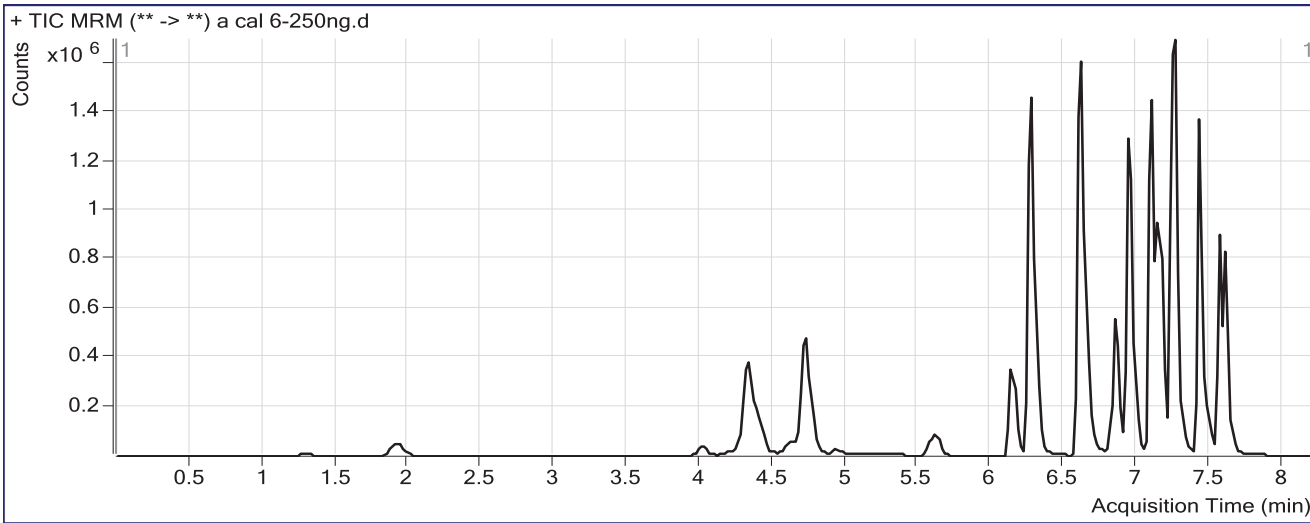
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	D:\2018 Data\05172018 mdq\QuantResults\05172018 MDQp1a.batch.bin		
<b>Analysis Time</b>	5/29/2018 1:25 PM	<b>Analyst Name</b>	ISP Tox
<b>Report Time</b>	5/29/2018 1:45 PM	<b>Reporter Name</b>	ISP Tox
<b>Last Calib Update</b>	5/29/2018 1:25 PM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2018-05-17 19:13	<b>Data File</b>	a cal 6-250ng.d
<b>Sample Type</b>	Calibration	<b>Sample Name</b>	a cal 6-250ng
<b>Dilution</b>	1	<b>Acq Method</b>	Quant Panel 1a 10-17.m
<b>Position</b>	P1-F1	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	AM 28 Panel 1

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.308	38011	1724	22.0522	251.6221
Hydromorphone	Hydromorphone-D6	1.929	180203	21511	8.3771	266.8668
Codeine	Codeine-D6	4.016	101385	15082	6.7221	253.3913
Amphetamine	Amphetamine-D11	4.343	1022329	55464	18.4324	240.1682
Oxycodone	Oxycodone-D6	4.389	518487	82727	6.2674	252.5759
Hydrocodone	Hydrocodone-D6	4.714	332106	72114	4.6053	270.1900
Norhydrocodone	Norhydrocodone-D3	4.739	24324	24556	0.9905	239.4650
Methamphetamine	Methamphetamine-D11	4.741	1158722	161557	7.1722	265.4006
6-MAM	6-MAM-D6	4.948	16336	23517	0.6946	25.4988
Phentermine	Phentermine-D5	5.624	269593	170109	1.5848	253.0439
Dextroprphan	Dextroprphan-D3	6.143	380857	112998	3.3705	253.4811
7-aminoclonazepam	7-Aminoclonazepam-D4	6.272	492045	83926	5.8628	273.0522
Tramadol	Tramadol-13C-D3	6.282	3170270	645204	4.9136	257.9132
Doxylamine	Doxylamine-D5	6.621	3118323	605560	5.1495	243.1859
Bupropion	Bupropion-D9	6.849	1066228	196925	5.4144	256.7108
Zolpidem	Zolpidem-D6	6.940	2418245	470242	5.1425	270.6022
Meprobamate	Meprobamate-D7	6.952	173118	39632	4.3681	254.8220
Venlafaxine	Venlafaxine-D6	7.105	3022553	546534	5.5304	254.5636
Trazodone	Trazodone-D6	7.155	1349250	220709	6.1132	255.7221
Citalopram	Citalopram-D6	7.217	1563003	287925	5.4285	252.5691
Dextromethorphan	Dextromethorphan-D3	7.248	335205	59082	5.6736	266.2398
Diphenhydramine	Diphenhydramine-D3	7.271	2312019	469454	4.9249	247.4566
Promethazine	Promethazine-D3	7.426	2300521	473333	4.8603	260.6083

*Boyle*

# ISP FORENSICS - Cd'A Instrument # 62340

## Multi-Drug Confirmatory Analysis Report

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.482	239945	13848	17.3267	243.0910
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.540	83622	13922	6.0065	261.9179
Carisoprodol	Carisoprodol-D7	7.572	838537	183949	4.5585	262.3104
Lorazepam	Alprazolam-D5	7.582	96171	120756	0.7964	242.0998
Alprazolam	Alprazolam-D5	7.605	801003	120756	6.6333	253.3784

*Bylee*

# ISP FORENSICS - Cd'A Instrument # 62340

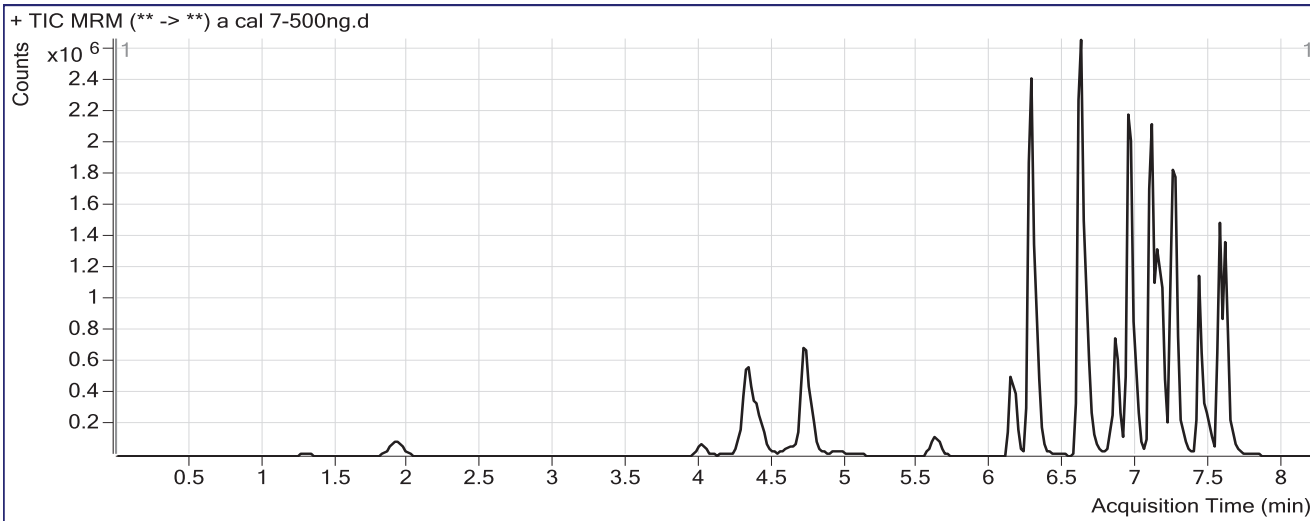
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	D:\2018 Data\05172018 mdq\QuantResults\05172018 MDQp1a.batch.bin		
<b>Analysis Time</b>	5/29/2018 1:25 PM	<b>Analyst Name</b>	ISP Tox
<b>Report Time</b>	5/29/2018 1:46 PM	<b>Reporter Name</b>	ISP Tox
<b>Last Calib Update</b>	5/29/2018 1:25 PM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2018-05-17 19:38	<b>Data File</b>	a cal 7-500ng.d
<b>Sample Type</b>	Calibration	<b>Sample Name</b>	a cal 7-500ng
<b>Dilution</b>	1	<b>Acq Method</b>	Quant Panel 1a 10-17.m
<b>Position</b>	P1-G1	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	AM 28 Panel 1

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.308	76694	1743	43.9970	503.3948
Hydromorphone	Hydromorphone-D6	1.929	363521	24115	15.0747	479.4114
Codeine	Codeine-D6	4.016	190181	14535	13.0847	492.7537
Amphetamine	Amphetamine-D11	4.323	1505245	41596	36.1874	474.4591
Oxycodone	Oxycodone-D6	4.389	1011905	82123	12.3218	496.2388
Hydrocodone	Hydrocodone-D6	4.714	602631	69055	8.7268	513.3031
Norhydrocodone	Norhydrocodone-D3	4.739	45060	21324	2.1132	506.6364
Methamphetamine	Methamphetamine-D11	4.741	1703646	124812	13.6496	508.4445
6-MAM	6-MAM-D6	4.948	30898	23354	1.3230	48.4529
Phentermine	Phentermine-D5	5.624	420264	137265	3.0617	489.9710
Dextroprphan	Dextroprphan-D3	6.143	604866	88551	6.8307	513.4290
7-aminoclonazepam	7-Aminoclonazepam-D4	6.272	882052	79336	11.1179	519.1859
Tramadol	Tramadol-13C-D3	6.282	5556848	586865	9.4687	497.9854
Doxylamine	Doxylamine-D5	6.621	5486679	532883	10.2962	485.9773
Bupropion	Bupropion-D9	6.849	1517454	142526	10.6469	504.3608
Zolpidem	Zolpidem-D6	6.940	4411388	460713	9.5751	504.7538
Meprobamate	Meprobamate-D7	6.952	329862	39871	8.2733	482.3253
Venlafaxine	Venlafaxine-D6	7.105	4831714	446373	10.8244	498.0361
Trazodone	Trazodone-D6	7.155	1821100	149902	12.1486	507.8084
Citalopram	Citalopram-D6	7.217	1799496	168638	10.6707	496.3106
Dextromethorphan	Dextromethorphan-D3	7.248	360807	33026	10.9248	512.4125
Diphenhydramine	Diphenhydramine-D3	7.271	2706001	270641	9.9985	502.2240
Promethazine	Promethazine-D3	7.426	1941475	212875	9.1202	488.9178

*Byylee*

# ISP FORENSICS - Cd'A Instrument # 62340

## Multi-Drug Confirmatory Analysis Report

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.482	421341	11502	36.6314	513.2182
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.540	155275	13354	11.6279	507.5081
Carisoprodol	Carisoprodol-D7	7.572	1489514	171452	8.6876	499.6666
Lorazepam	Alprazolam-D5	7.582	163592	106411	1.5374	468.9832
Alprazolam	Alprazolam-D5	7.605	1376692	106411	12.9375	493.8868

*Bylee*

# ISP FORENSICS - Cd'A Instrument # 62340

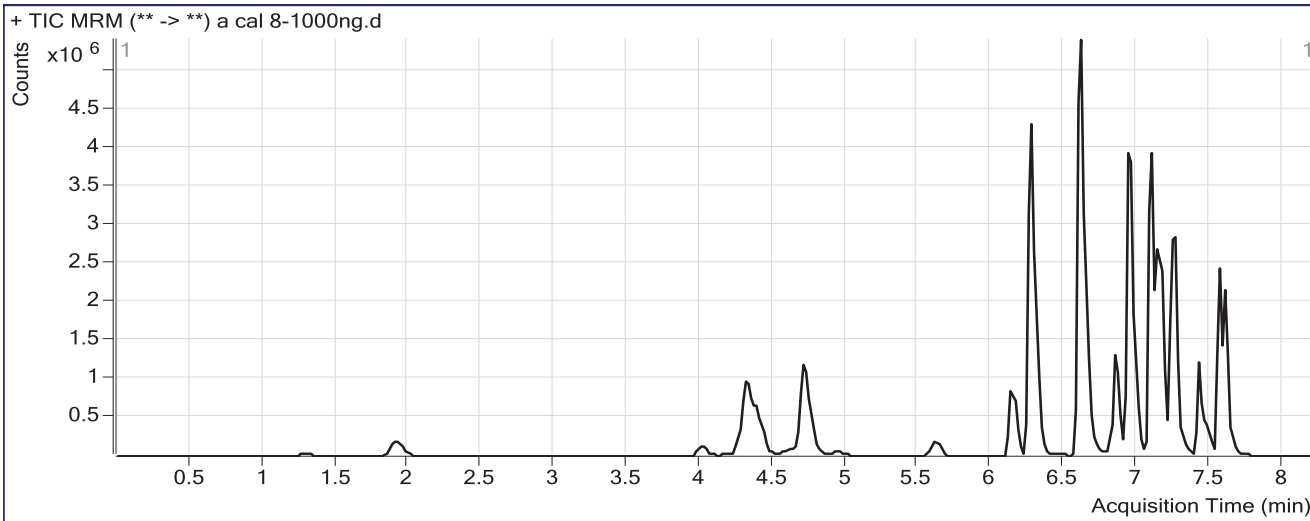
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	D:\2018 Data\05172018 mdq\QuantResults\05172018 MDQp1a.batch.bin		
<b>Analysis Time</b>	5/29/2018 1:25 PM	<b>Analyst Name</b>	ISP Tox
<b>Report Time</b>	5/29/2018 1:46 PM	<b>Reporter Name</b>	ISP Tox
<b>Last Calib Update</b>	5/29/2018 1:25 PM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2018-05-17 20:04	<b>Data File</b>	a cal 8-1000ng.d
<b>Sample Type</b>	Calibration	<b>Sample Name</b>	a cal 8-1000ng
<b>Dilution</b>	1	<b>Acq Method</b>	Quant Panel 1a 10-17.m
<b>Position</b>	P1-H1	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	AM 28 Panel 1

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.308	151418	1773	85.3808	978.1928
Hydromorphone	Hydromorphone-D6	1.929	729534	21498	33.9346	1077.9207
Codeine	Codeine-D6	4.016	370039	13786	26.8415	1010.2933
Amphetamine	Amphetamine-D11	4.323	2798451	41557	67.3402	885.5457
Oxycodone	Oxycodone-D6	4.389	2069157	86230	23.9958	966.0667
Hydrocodone	Hydrocodone-D6	4.714	1150729	71164	16.1701	952.3579
Norhydrocodone	Norhydrocodone-D3	4.739	84003	18348	4.5782	1093.3030
Methamphetamine	Methamphetamine-D11	4.741	2686308	125095	21.4741	802.0292
6-MAM	6-MAM-D6	4.948	61161	22184	2.7570	100.8333
Phentermine	Phentermine-D5	5.624	739810	132934	5.5653	891.6073
Dextropropion	Dextropropion-D3	6.143	1072558	82740	12.9630	974.1151
7-aminoclonazepam	7-Aminoclonazepam-D4	6.272	1454978	72225	20.1452	942.0044
Tramadol	Tramadol-13C-D3	6.282	10759755	573736	18.7539	987.3493
Doxylamine	Doxylamine-D5	6.621	11309849	540049	20.9423	988.1931
Bupropion	Bupropion-D9	6.849	2721859	132213	20.5870	974.8204
Zolpidem	Zolpidem-D6	6.940	8378615	459098	18.2502	963.0124
Meprobamate	Meprobamate-D7	6.972	632847	35470	17.8416	1039.7406
Venlafaxine	Venlafaxine-D6	7.105	9525927	438907	21.7038	998.3814
Trazodone	Trazodone-D6	7.155	4004454	159157	25.1605	1051.2868
Citalopram	Citalopram-D6	7.217	2918522	136302	21.4122	995.7424
Dextromethorphan	Dextromethorphan-D3	7.248	528599	25402	20.8096	975.8069
Diphenhydramine	Diphenhydramine-D3	7.271	4474991	225604	19.8356	996.1887
Promethazine	Promethazine-D3	7.426	2235562	112948	19.7928	1060.9018

*Byylee*



**ISP FORENSICS - Cd'A Instrument # 62340**  
**Multi-Drug Confirmatory Analysis Report**

<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>
Clonazepam	Clonazepam-D4	7.482	700783	10763	65.1111	911.7295
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.540	303557	13653	22.2337	970.8520
Carisoprodol	Carisoprodol-D7	7.572	2322758	147765	15.7193	903.8724
Lorazepam	Alprazolam-D5	7.582	298937	88716	3.3696	1030.0253
Alprazolam	Alprazolam-D5	7.605	2327450	88716	26.2348	1001.1835

*BWylee*

# ISP FORENSICS - Cd'A Instrument # 62340

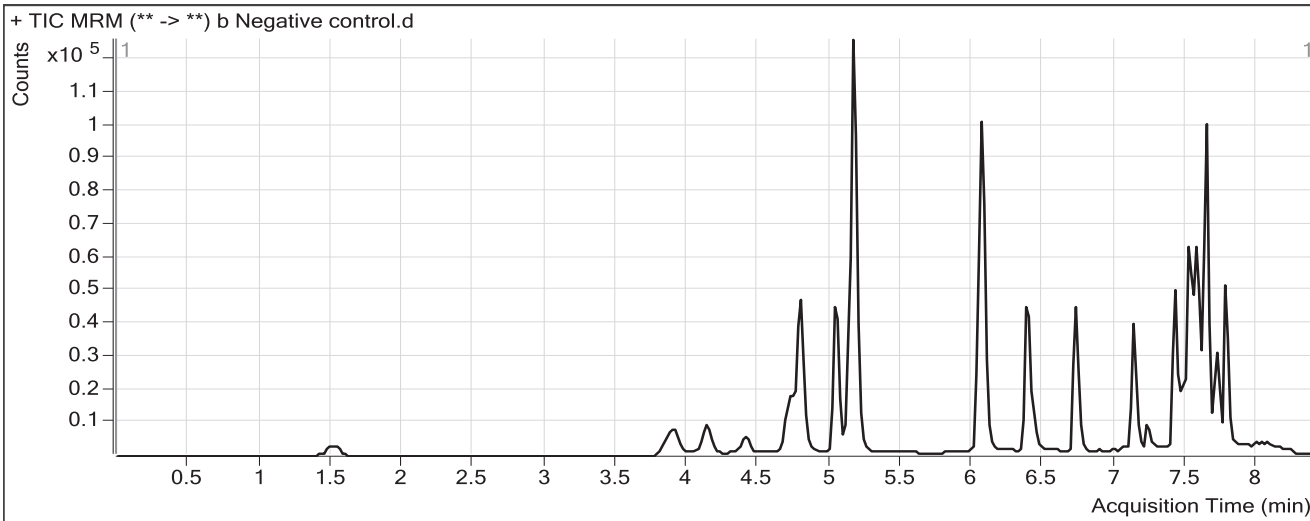
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	D:\2018 Data\05172018 mdq\QuantResults\05172018 AM 28 MDQp1b.batch.bin		
<b>Analysis Time</b>	5/29/2018 8:54 AM	<b>Analyst Name</b>	ISP Tox
<b>Report Time</b>	5/29/2018 8:55 AM	<b>Reporter Name</b>	ISP Tox
<b>Last Calib Update</b>	5/29/2018 8:54 AM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2018-05-17 20:42	<b>Data File</b>	b Negative control.d
<b>Sample Type</b>	Sample	<b>Sample Name</b>	b Negative control
<b>Dilution</b>	1	<b>Acq Method</b>	Quant Panel 1b 10-2017.m
<b>Position</b>	P1-G2	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	AM 28 Panel 1

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.528	949	22117	0.0429	2.1443
Dihydrocodeine	Dihydrocodeine-D6	3.975	1504	47160	0.0319	0.8206
Naloxone	Naloxone-D5	4.206	1282	46086	0.0278	3.0777
Noroxycodone	Noroxycodone-D3	4.439	816	25713	0.0318	0.5979
Naltrexol	Naltrexol-D3	5.049	6860	139388	0.0492	0.7295
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.179	15419	403235	0.0382	1.1803
Quetiapine	Quetiapine-D8	7.418	9652	50047	0.1929	2.5374
Cyclobenzaprine	Cyclobenzaprine-D3	7.492	1546	40598	0.0381	2.7217
Fluoxetine	Fluoxetine-D6	7.564	7519	116281	0.0647	2.3729
Oxazepam	Oxazepam-D5	7.589	3211	54362	0.0591	3.0883
Temazepam	Temazepam-D5	7.647	6441	200815	0.0321	2.3667
Nordiazepam	Nordiazepam-D5	7.735	2330	52709	0.0442	1.8594

all compounds response below method cutoff limits

*Byylee*

# ISP FORENSICS - Cd'A Instrument # 62340

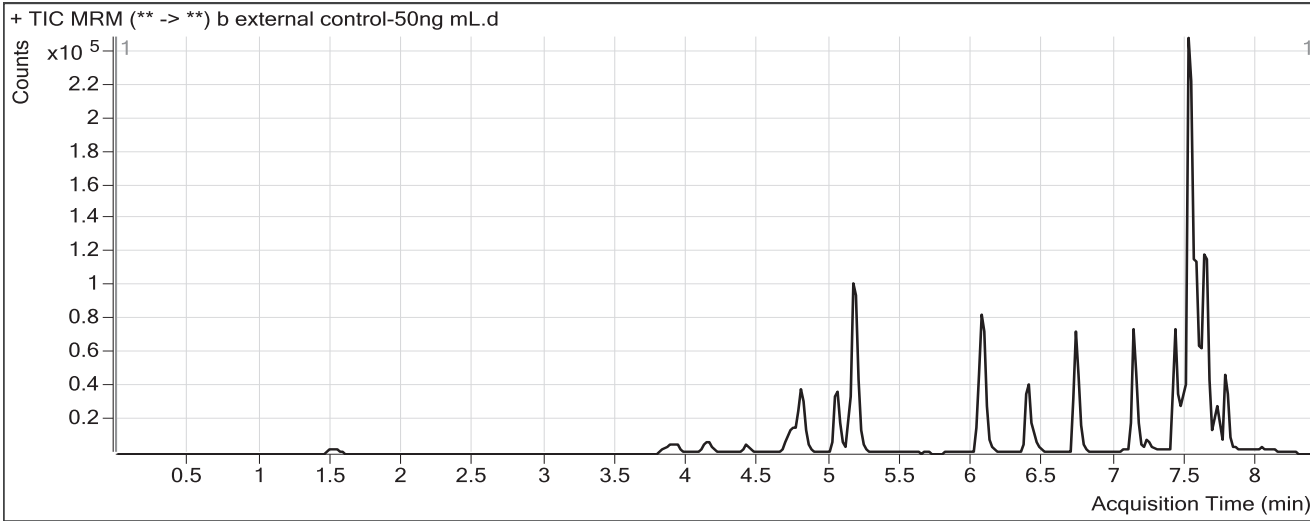
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	D:\2018 Data\05172018 mdq\QuantResults\05172018 AM 28 MDQp1b.batch.bin		
<b>Analysis Time</b>	5/29/2018 8:54 AM	<b>Analyst Name</b>	ISP Tox
<b>Report Time</b>	5/29/2018 8:55 AM	<b>Reporter Name</b>	ISP Tox
<b>Last Calib Update</b>	5/29/2018 8:54 AM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2018-05-17 21:07	<b>Data File</b>	b external control-50ng mL.d
<b>Sample Type</b>	Sample	<b>Sample Name</b>	b external control-50ng mL
<b>Dilution</b>	1	<b>Acq Method</b>	Quant Panel 1b 10-2017.m
<b>Position</b>	P1-H2	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	AM 28: external control p1

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Methadone	Methadone-D9	7.502	218791	194874	1.1227	63.5062
Sertraline	Sertraline-D3	7.625	60464	56275	1.0744	47.0353

*BWylee*

# ISP FORENSICS - Cd'A Instrument # 62340

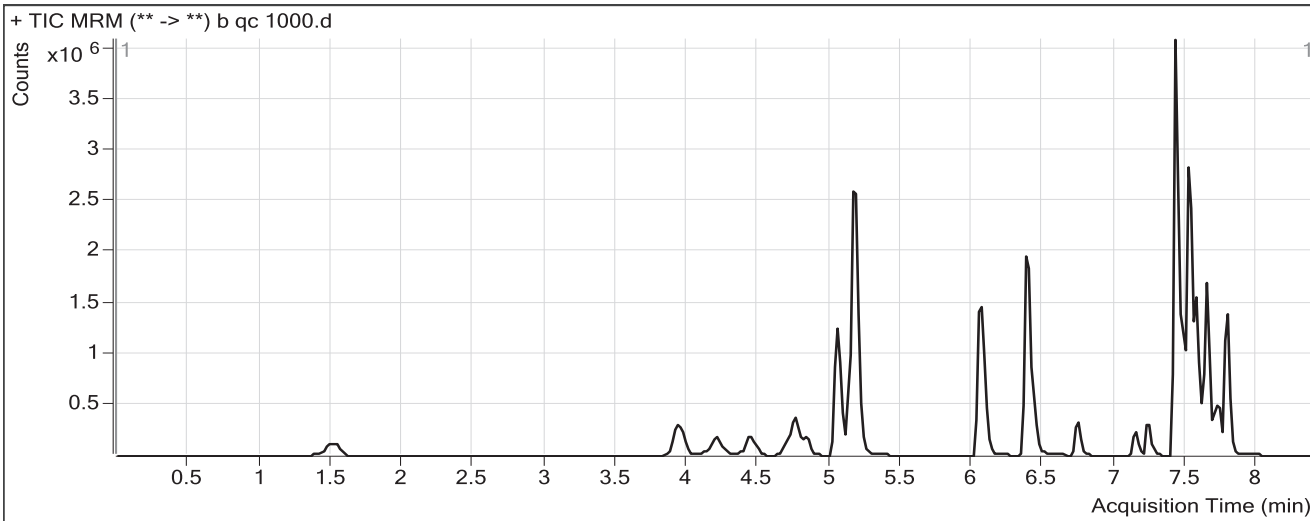
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2018 Data\05172018 mdq\QuantResults\05172018 AM 28 MDQp1b.batch.bin  
**Analysis Time** 5/29/2018 8:54 AM **Analyst Name** ISP Tox  
**Report Time** 5/29/2018 8:55 AM **Reporter Name** ISP Tox  
**Last Calib Update** 5/29/2018 8:54 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-05-18 08:07 **Data File** b qc 1000.d  
**Sample Type** QC **Sample Name** b qc 1000  
**Dilution** 1 **Acq Method** Quant Panel 1b 10-2017.m  
**Position** P1-D2 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28 Panel 1

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.548	627121	24804	25.2832	1001.2312
Dihydrocodeine	Dihydrocodeine-D6	3.935	1052585	59798	17.6022	949.1979
Naloxone	Naloxone-D5	4.206	773358	51945	14.8881	908.3407
Noroxycodone	Noroxycodone-D3	4.459	512290	25578	20.0285	870.2785
Naltrexone	Naltrexone-D3	4.750	938320	45010	20.8470	976.2644
Naltrexol	Naltrexol-D3	5.049	3211117	138493	23.1861	933.2981
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.179	9170977	452909	20.2491	996.1474
Ketamine	Ketamine-D4	6.035	3550985	152863	23.2299	906.8628
Norfentanyl	Norfentanyl-D5	6.080	602757	269184	2.2392	102.5269
alpha-PVP	alpha-PVP-d8	6.386	4874239	202746	24.0411	970.9050
<del>Norbuprenorphine</del>	Norbuprenorphine-D3	7.052	10163	5477	1.8555	<del>91.2926</del> <-- compound not evaluated
Fentanyl	Fentanyl-D5	7.138	348971	143890	2.4253	102.6246
EDDP	EDDP-D3	7.229	676967	28468	23.7798	1086.7983
Quetiapine	Quetiapine-D8	7.418	6595481	89681	73.5434	962.1445
Buprenorphine	Buprenorphine-D4	7.555	52809	28821	1.8323	76.1823
<del>Cyclobenzaprine</del>	Cyclobenzaprine-D3	7.492	1412259	52773	26.7611	<del>1058.8489</del> - outside curve range
Methadone	Methadone-D9	7.502	3503105	198271	17.6683	988.7986
Fluoxetine	Fluoxetine-D6	7.564	2847295	137072	20.7722	982.5890
<del>Oxazepam</del>	Oxazepam-D5	7.589	379719	9190	41.3168	<del>1821.6425</del> - outside curve range
Sertraline	Sertraline-D3	7.625	638320	29050	21.9732	927.8836
Temazepam	Temazepam-D5	7.647	2482529	113229	21.9249	1018.4147
Nordiazepam	Nordiazepam-D5	7.735	766634	21743	35.2583	1018.5773
Diazepam	Diazepam-D5	7.790	2218157	86746	25.5706	989.8095

*B. Wylee*

# ISP FORENSICS - Cd'A Instrument # 62340

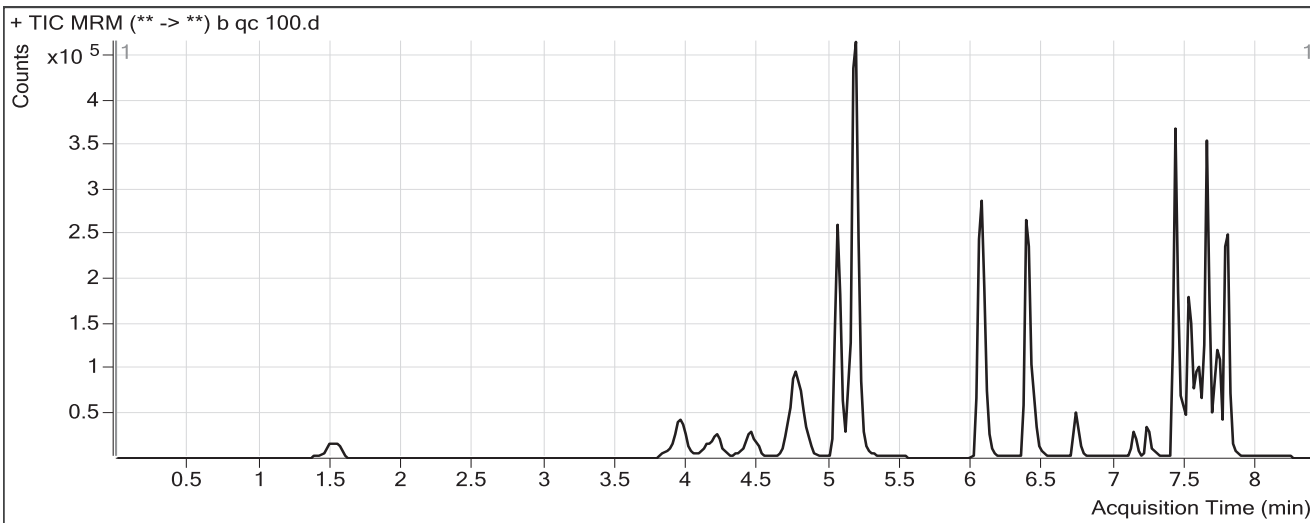
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2018 Data\05172018 mdq\QuantResults\05172018 AM 28 MDQp1b.batch.bin  
**Analysis Time** 5/29/2018 8:54 AM **Analyst Name** ISP Tox  
**Report Time** 5/29/2018 8:55 AM **Reporter Name** ISP Tox  
**Last Calib Update** 5/29/2018 8:54 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-05-18 01:33 **Data File** b qc 100.d  
**Sample Type** QC **Sample Name** b qc 100  
**Dilution** 1 **Acq Method** Quant Panel 1b 10-2017.m  
**Position** P1-B2 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28 Panel 1

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.548	73402	27774	2.6428	105.0577
Dihydrocodeine	Dihydrocodeine-D6	3.955	128125	60696	2.1109	113.0390
Naloxone	Naloxone-D5	4.206	88942	58380	1.5235	94.1915
Noroxycodone	Noroxycodone-D3	4.459	71877	31474	2.2837	98.5355
Naltrexone	Naltrexone-D3	4.750	173970	74147	2.3463	109.6698
Naltrexol	Naltrexol-D3	5.049	494844	170237	2.9068	115.9086
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.179	1126170	498731	2.2581	110.4615
Ketamine	Ketamine-D4	6.035	410109	149456	2.7440	107.2437
Norfentanyl	Norfentanyl-D5	6.080	65020	306989	0.2118	10.1161
alpha-PVP	alpha-PVP-d8	6.386	505342	189135	2.6719	108.1041
<del>Norbuprenorphine</del>	Norbuprenorphine-D3	7.052	755	3261	0.2315	<del>11.3602</del> <-- compound not evaluated
Fentanyl	Fentanyl-D5	7.118	13268	56330	0.2355	10.0374
EDDP	EDDP-D3	7.229	52346	22254	2.3522	107.5101
Quetiapine	Quetiapine-D8	7.418	521035	58029	8.9788	117.4792
Buprenorphine	Buprenorphine-D4	7.555	5358	19588	0.2736	11.3007
Cyclobenzaprine	Cyclobenzaprine-D3	7.492	42801	14500	2.9519	117.8796
Methadone	Methadone-D9	7.502	172643	88676	1.9469	109.5967
Fluoxetine	Fluoxetine-D6	7.564	106766	42262	2.5262	118.8951
Oxazepam	Oxazepam-D5	7.589	79880	36670	2.1783	96.5008
Sertraline	Sertraline-D3	7.625	28285	12178	2.3227	99.6459
Temazepam	Temazepam-D5	7.647	432197	202096	2.1386	100.1296
Nordiazepam	Nordiazepam-D5	7.735	168798	43343	3.8945	113.0259
Diazepam	Diazepam-D5	7.790	329591	109866	2.9999	116.3879

# ISP FORENSICS - Cd'A Instrument # 62340

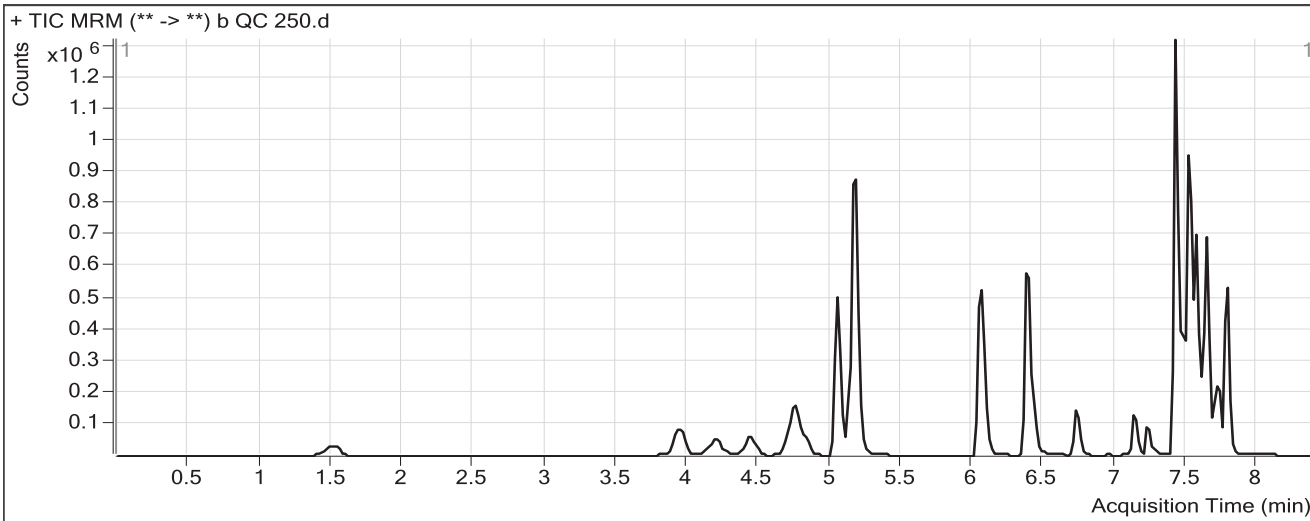
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2018 Data\05172018 mdq\QuantResults\05172018 AM 28 MDQp1b.batch.bin  
**Analysis Time** 5/29/2018 8:54 AM **Analyst Name** ISP Tox  
**Report Time** 5/29/2018 8:55 AM **Reporter Name** ISP Tox  
**Last Calib Update** 5/29/2018 8:54 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-05-18 04:57 **Data File** b QC 250.d  
**Sample Type** QC **Sample Name** b QC 250  
**Dilution** 1 **Acq Method** Quant Panel 1b 10-2017.m  
**Position** P1-C2 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28 Panel 1

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.508	168128	25703	6.5413	259.3693
Dihydrocodeine	Dihydrocodeine-D6	3.935	299147	60066	4.9803	267.9147
Naloxone	Naloxone-D5	4.206	214624	56579	3.7933	232.4670
Noroxycodone	Noroxycodone-D3	4.459	171070	30376	5.6317	244.1455
Naltrexone	Naltrexone-D3	4.750	355018	64148	5.5344	259.0051
Naltrexol	Naltrexol-D3	5.049	1081219	163698	6.6050	264.9697
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.179	2607532	493367	5.2852	259.4841
Ketamine	Ketamine-D4	6.035	1006580	154735	6.5052	254.0523
Norfentanyl	Norfentanyl-D5	6.080	165425	319168	0.5183	24.0868
alpha-PVP	alpha-PVP-d8	6.407	1304458	209710	6.2203	251.3757
<del>Norbuprenorphine</del>	Norbuprenorphine-D3	7.073	3210	5236	0.6131	<del>30.1439</del> <-- compound not evaluated
Fentanyl	Fentanyl-D5	7.138	115314	197937	0.5826	24.7112
EDDP	EDDP-D3	7.229	176237	31041	5.6775	259.4829
Quetiapine	Quetiapine-D8	7.418	1886783	96126	19.6282	256.7999
Buprenorphine	Buprenorphine-D4	7.555	26571	43344	0.6130	25.4306
Cyclobenzaprine	Cyclobenzaprine-D3	7.492	423249	79805	5.3036	210.8195
Methadone	Methadone-D9	7.502	1061023	230997	4.5932	257.5909
Fluoxetine	Fluoxetine-D6	7.564	1172349	209709	5.5904	263.9387
Oxazepam	Oxazepam-D5	7.589	140359	24472	5.7356	253.2963
Sertraline	Sertraline-D3	7.625	278924	43450	6.4195	272.3207
Temazepam	Temazepam-D5	7.647	862443	172413	5.0022	233.0312
Nordiazepam	Nordiazepam-D5	7.735	327449	39181	8.3574	241.8806
Diazepam	Diazepam-D5	7.790	747330	107654	6.9420	268.9332

# ISP FORENSICS - Cd'A Instrument # 62340

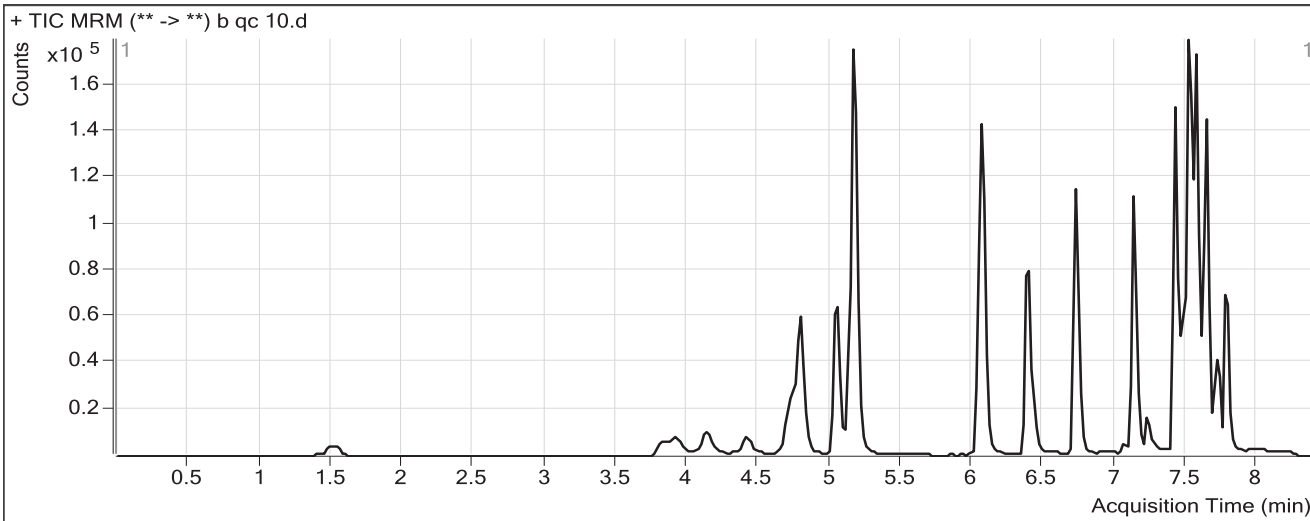
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2018 Data\05172018 mdq\QuantResults\05172018 AM 28 MDQp1b.batch.bin  
**Analysis Time** 5/29/2018 8:54 AM **Analyst Name** ISP Tox  
**Report Time** 5/29/2018 8:55 AM **Reporter Name** ISP Tox  
**Last Calib Update** 5/29/2018 8:54 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-05-17 22:23 **Data File** b qc 10.d  
**Sample Type** QC **Sample Name** b qc 10  
**Dilution** 1 **Acq Method** Quant Panel 1b 10-2017.m  
**Position** P1-A2 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28 Panel 1

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.548	6402	26143	0.2449	10.1401
Dihydrocodeine	Dihydrocodeine-D6	3.975	11288	57405	0.1966	9.7130
Naloxone	Naloxone-D5	4.206	7576	55449	0.1366	9.7060
Noroxycodone	Noroxycodone-D3	4.459	8117	28846	0.2814	11.4547
Naltrexone	Naltrexone-D3	4.730	16509	79135	0.2086	9.5392
Naltrexol	Naltrexol-D3	5.049	45233	166783	0.2712	9.6772
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.179	103700	494326	0.2098	9.6253
Ketamine	Ketamine-D4	6.035	38406	150526	0.2551	10.0963
<del>Norfentanyl</del>	Norfentanyl-D5	6.080	6174	315295	0.0196	<del>1.3547</del> outside curve
alpha-PVP	alpha-PVP-d8	6.407	50383	205834	0.2448	10.1087 range
Fentanyl	Fentanyl-D5	7.118	6123	283592	0.0216	0.9914
EDDP	EDDP-D3	7.249	6506	28737	0.2264	10.3546
Quetiapine	Quetiapine-D8	7.418	74065	92576	0.8000	10.4808
<del>Buprenorphine</del>	Buprenorphine-D4	7.555	1810	53476	0.0339	<del>1.3235</del> outside curve
Cyclobenzaprine	Cyclobenzaprine-D3	7.492	20628	92201	0.2237	10.0584 range
Methadone	Methadone-D9	7.522	51366	289676	0.1773	10.6350
Fluoxetine	Fluoxetine-D6	7.564	63514	281755	0.2254	9.9828
Oxazepam	Oxazepam-D5	7.589	11555	55441	0.2084	9.6714
Sertraline	Sertraline-D3	7.625	14232	72562	0.1961	10.0163
Temazepam	Temazepam-D5	7.647	42180	224256	0.1881	9.6075
Nordiazepam	Nordiazepam-D5	7.735	18671	60423	0.3090	9.5048
Diazepam	Diazepam-D5	7.790	32449	122973	0.2639	10.5095

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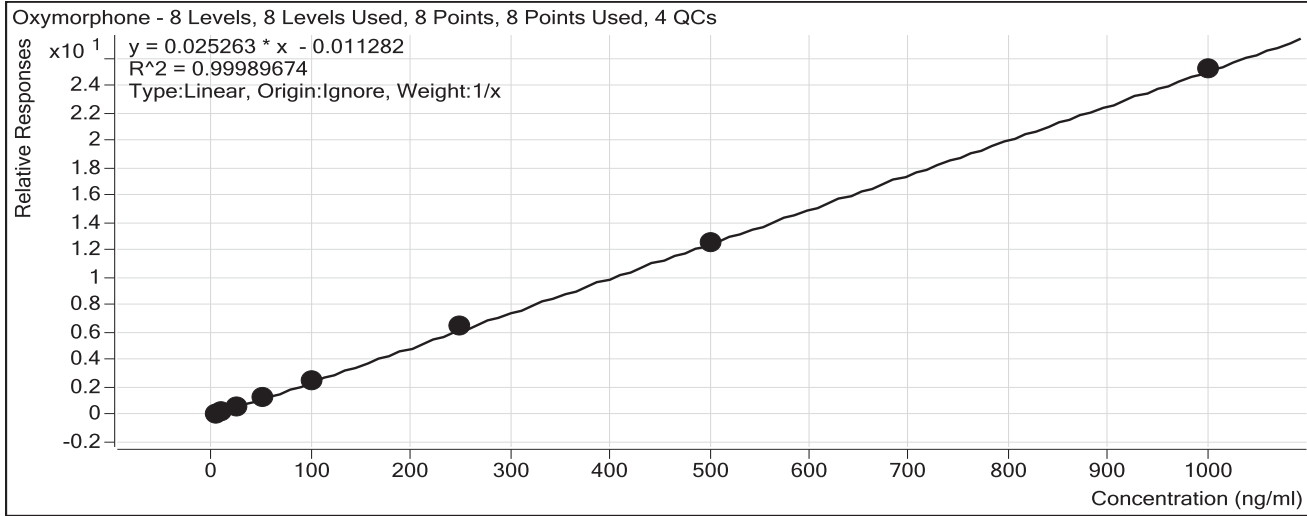
# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2018 Data\05172018 mdq\QuantResults\05172018 AM 28 MDQp1b.batch.bin

**Last Calib Update** 5/29/2018 7:48 AM

**Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	103.5
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	99.7
b qc 10	2	<input checked="" type="checkbox"/>	10	10.1	101.4
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.0	100.0
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.9	95.9
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.3	99.3
b qc 100	5	<input checked="" type="checkbox"/>	100	105.1	105.1
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	254.6	101.8
b QC 250	6	<input checked="" type="checkbox"/>	250	259.4	103.7
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	499.2	99.8
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	998.8	99.9
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1001.2	100.1

*BWylee*



# ISP Forensics Calibration Curve Report

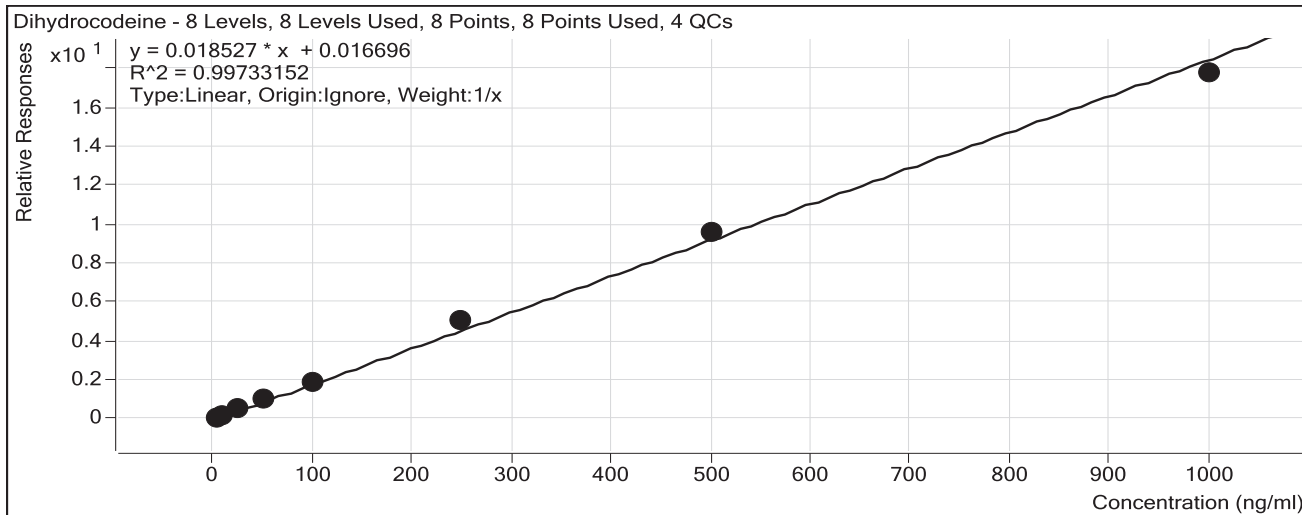
**Batch Data Path** D:\2018 Data\05172018 mdq\QuantResults\05172018 AM 28 MDQp1b.batch.bin

**Last Calib Update** 5/29/2018 7:48 AM

**Analyst Name** ISP TOX

**Target Compound** Dihydrocodeine

**Internal Standard** Dihydrocodeine-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.2	84.0
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	95.6
b qc 10	2	<input checked="" type="checkbox"/>	10	9.7	97.1
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.9	103.7
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.9	105.8
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.4	103.4
b qc 100	5	<input checked="" type="checkbox"/>	100	113.0	113.0
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	271.3	108.5
b QC 250	6	<input checked="" type="checkbox"/>	250	267.9	107.2
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	516.4	103.3
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	956.3	95.6
b qc 1000	8	<input checked="" type="checkbox"/>	1000	949.2	94.9

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# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2018 Data\05172018 mdq\QuantResults\05172018 AM 28 MDQp1b.batch.bin

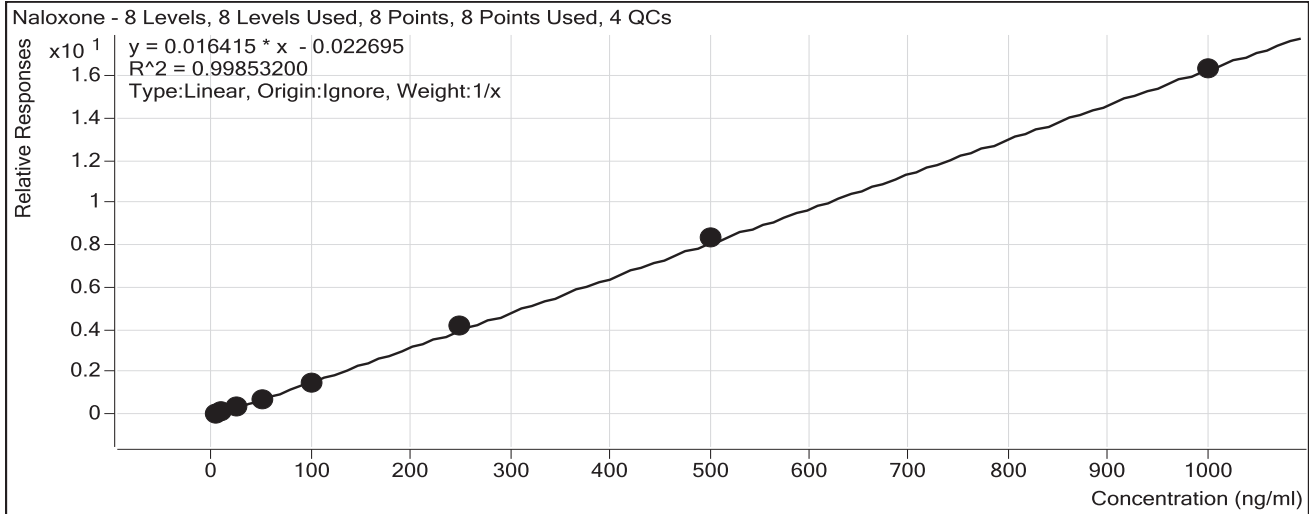
**Last Calib Update** 5/29/2018 7:48 AM

**Analyst Name**

ISP TOX

**Target Compound** *Naloxone*

**Internal Standard** *Naloxone-D5*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.8	115.5
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	11.1	111.2
b qc 10	2	<input checked="" type="checkbox"/>	10	9.7	97.1
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	20.9	83.6
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.1	94.3
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	90.3	90.3
b qc 100	5	<input checked="" type="checkbox"/>	100	94.2	94.2
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	258.6	103.4
b QC 250	6	<input checked="" type="checkbox"/>	250	232.5	93.0
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	511.4	102.3
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	994.9	99.5
b qc 1000	8	<input checked="" type="checkbox"/>	1000	908.3	90.8

# ISP Forensics Calibration Curve Report

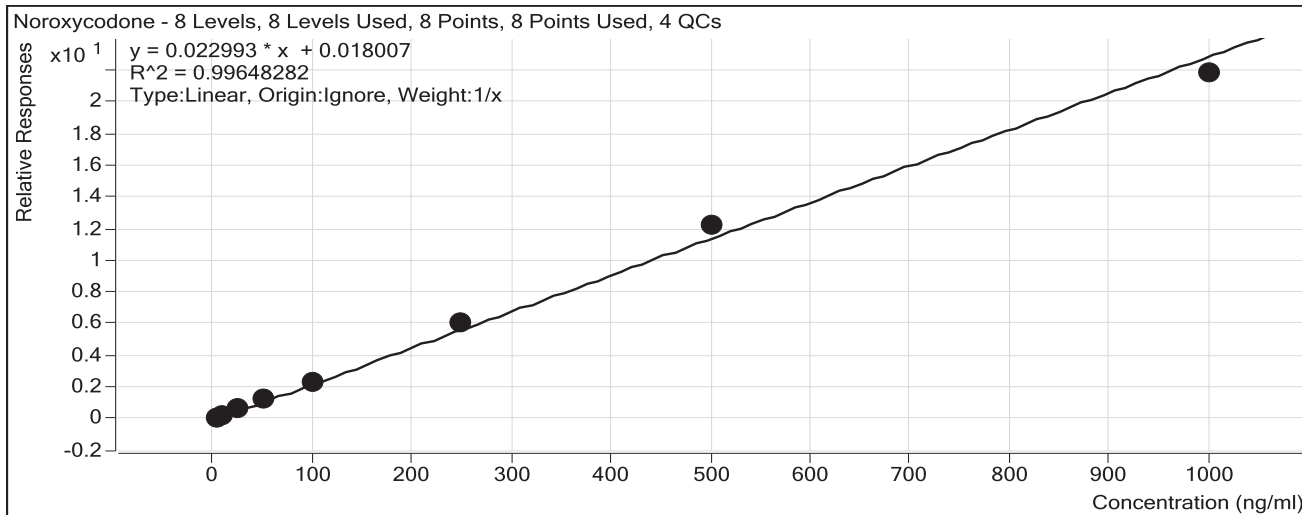
**Batch Data Path** D:\2018 Data\05172018 mdq\QuantResults\05172018 AM 28 MDQp1b.batch.bin

**Last Calib Update** 5/29/2018 7:48 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	4.5	89.9
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	96.0
b qc 10	2	<input checked="" type="checkbox"/>	10	11.5	114.5
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.3	101.1
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.8	103.5
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.8	101.8
b qc 100	5	<input checked="" type="checkbox"/>	100	98.5	98.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	265.3	106.1
b QC 250	6	<input checked="" type="checkbox"/>	250	244.1	97.7
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	534.4	106.9
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	947.3	94.7
b qc 1000	8	<input checked="" type="checkbox"/>	1000	870.3	87.0

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# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2018 Data\05172018 mdq\QuantResults\05172018 AM 28 MDQp1b.batch.bin

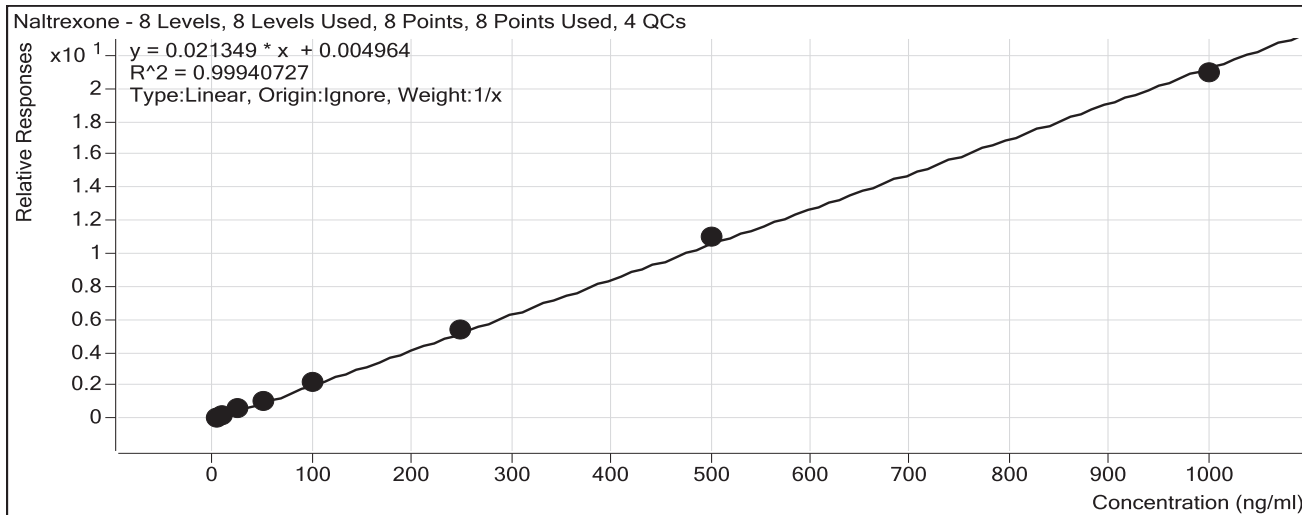
**Last Calib Update** 5/29/2018 7:48 AM

**Analyst Name**

ISP TOX

**Target Compound** Naltrexone

**Internal Standard** Naltrexone-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	9.5	94.6
b qc 10	2	<input checked="" type="checkbox"/>	10	9.5	95.4
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.4	105.4
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.2	100.4
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.7	102.7
b qc 100	5	<input checked="" type="checkbox"/>	100	109.7	109.7
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	255.2	102.1
b QC 250	6	<input checked="" type="checkbox"/>	250	259.0	103.6
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	512.4	102.5
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	979.0	97.9
b qc 1000	8	<input checked="" type="checkbox"/>	1000	976.3	97.6

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# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2018 Data\05172018 mdq\QuantResults\05172018 AM 28 MDQp1b.batch.bin

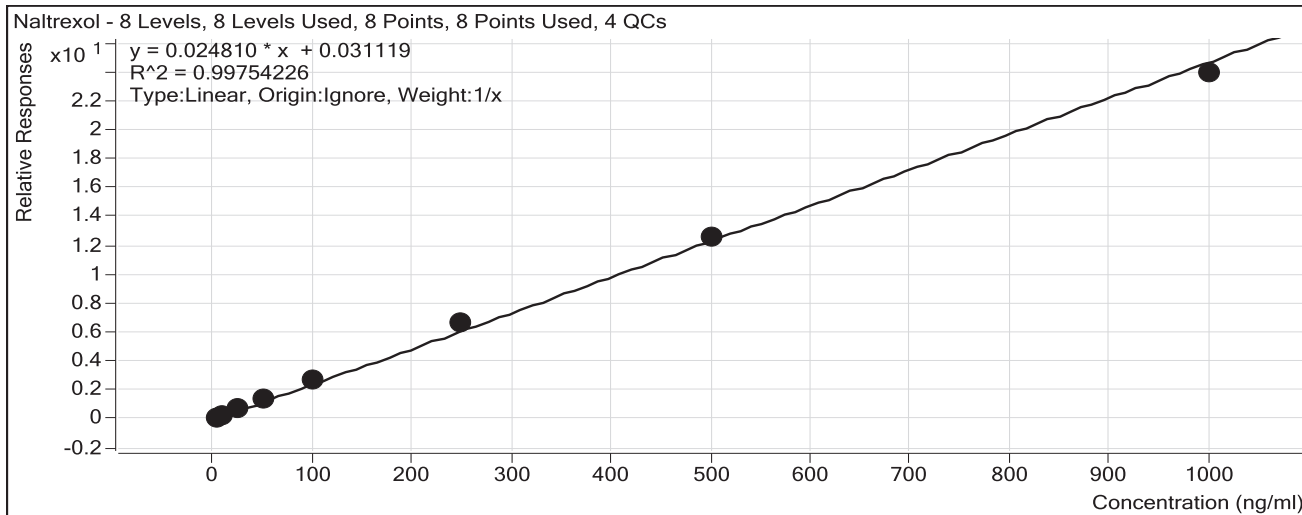
**Last Calib Update** 5/29/2018 7:48 AM

**Analyst Name**

ISP TOX

**Target Compound** *Naltrexol*

**Internal Standard** *Naltrexol-D3*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.1	81.9
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.3	92.5
b qc 10	2	<input checked="" type="checkbox"/>	10	9.7	96.8
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.0	104.1
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	53.5	107.0
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	109.3	109.3
b qc 100	5	<input checked="" type="checkbox"/>	100	115.9	115.9
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	268.7	107.5
b QC 250	6	<input checked="" type="checkbox"/>	250	265.0	106.0
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	507.7	101.5
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	961.5	96.2
b qc 1000	8	<input checked="" type="checkbox"/>	1000	933.3	93.3

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# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2018 Data\05172018 mdq\QuantResults\05172018 AM 28 MDQp1b.batch.bin

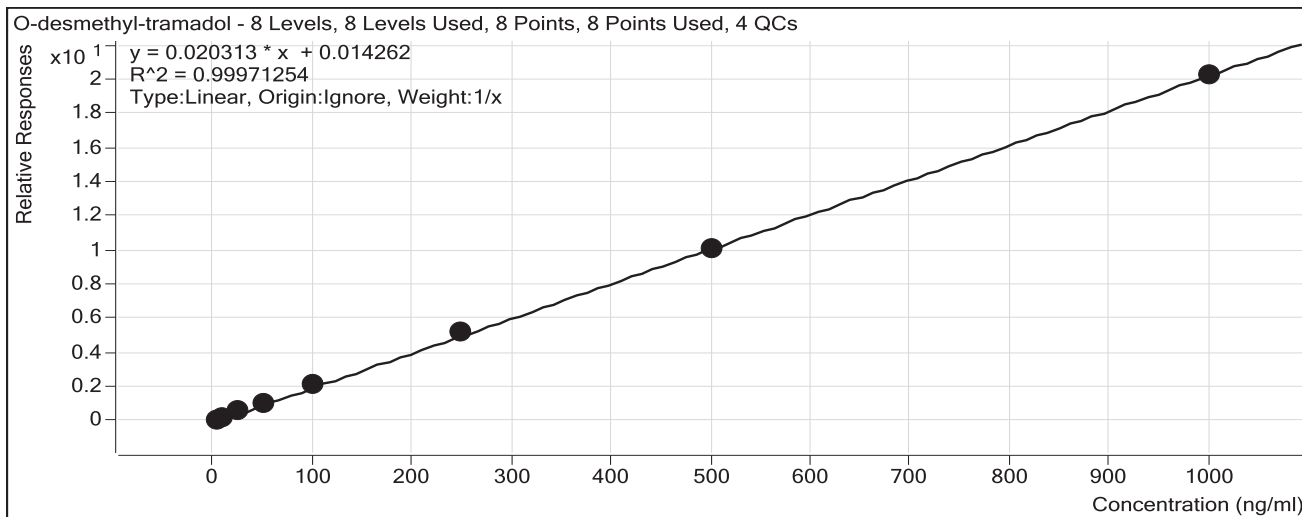
**Last Calib Update** 5/29/2018 7:48 AM

**Analyst Name**

ISP TOX

**Target Compound** *O-desmethyl-tramadol*

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.6	92.7
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.5	95.0
b qc 10	2	<input checked="" type="checkbox"/>	10	9.6	96.3
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.2	104.6
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.6	103.1
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	104.4	104.4
b qc 100	5	<input checked="" type="checkbox"/>	100	110.5	110.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	254.4	101.8
b QC 250	6	<input checked="" type="checkbox"/>	250	259.5	103.8
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	494.6	98.9
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	994.8	99.5
b qc 1000	8	<input checked="" type="checkbox"/>	1000	996.1	99.6

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# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2018 Data\05172018 mdq\QuantResults\05172018 AM 28 MDQp1b.batch.bin

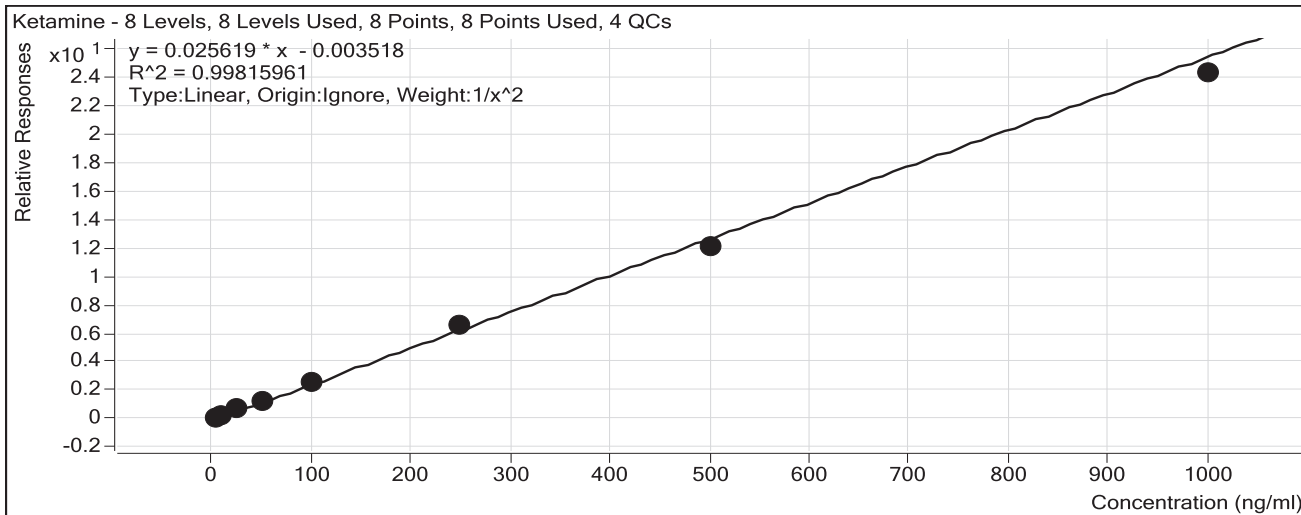
**Last Calib Update** 5/29/2018 7:48 AM

**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	4.9	98.4
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	100.4
b qc 10	2	<input checked="" type="checkbox"/>	10	10.1	101.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.4	105.7
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.0	102.1
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.8	100.8
b qc 100	5	<input checked="" type="checkbox"/>	100	107.2	107.2
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	256.5	102.6
b QC 250	6	<input checked="" type="checkbox"/>	250	254.1	101.6
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	476.0	95.2
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	948.0	94.8
b qc 1000	8	<input checked="" type="checkbox"/>	1000	906.9	90.7

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# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2018 Data\05172018 mdq\QuantResults\05172018 AM 28 MDQp1b.batch.bin

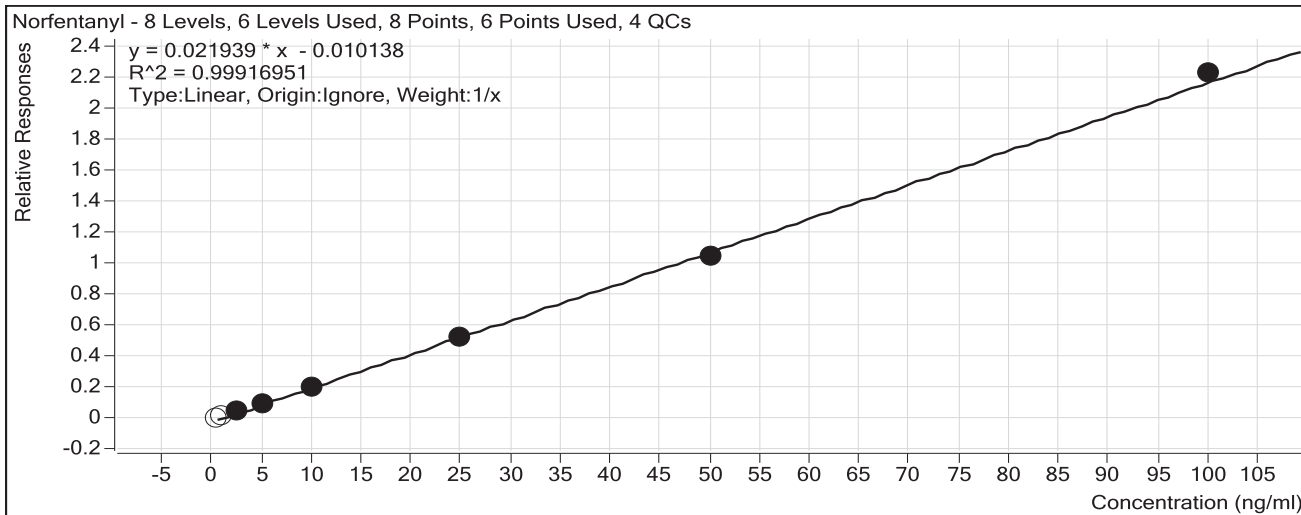
**Last Calib Update** 5/29/2018 7:48 AM

**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	0.9	179.6
b cal 2-10ng	2	<input type="checkbox"/>	1	1.3	130.9
b qc 10	2	<input type="checkbox"/>	1	1.4	135.5
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.7	107.7
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.8	96.7
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.8	98.4
b qc 100	5	<input checked="" type="checkbox"/>	10	10.1	101.2
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	24.5	98.0
b QC 250	6	<input checked="" type="checkbox"/>	25	24.1	96.3
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	48.5	97.1
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	102.1	102.1
b qc 1000	8	<input checked="" type="checkbox"/>	100	102.5	102.5

\*\*\*\*\* Curve limited to 2.5-100\*\*\*\*\*

*Bylee*



# ISP Forensics Calibration Curve Report

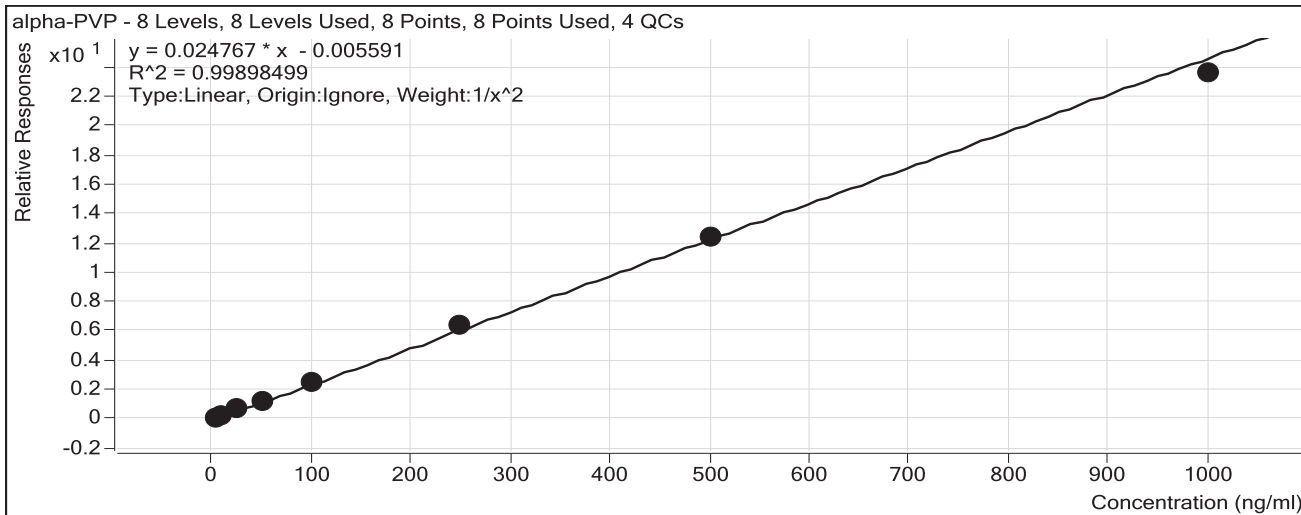
**Batch Data Path** D:\2018 Data\05172018 mdq\QuantResults\05172018 AM 28 MDQp1b.batch.bin

**Last Calib Update** 5/29/2018 7:48 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	4.9	98.8
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	101.4
b qc 10	2	<input checked="" type="checkbox"/>	10	10.1	101.1
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.9	103.4
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.8	97.6
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.1	100.1
b qc 100	5	<input checked="" type="checkbox"/>	100	108.1	108.1
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	257.8	103.1
b QC 250	6	<input checked="" type="checkbox"/>	250	251.4	100.6
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	501.7	100.3
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	952.3	95.2
b qc 1000	8	<input checked="" type="checkbox"/>	1000	970.9	97.1

*Buylee*

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2018 Data\05172018 mdq\QuantResults\05172018 AM 28 MDQp1b.batch.bin

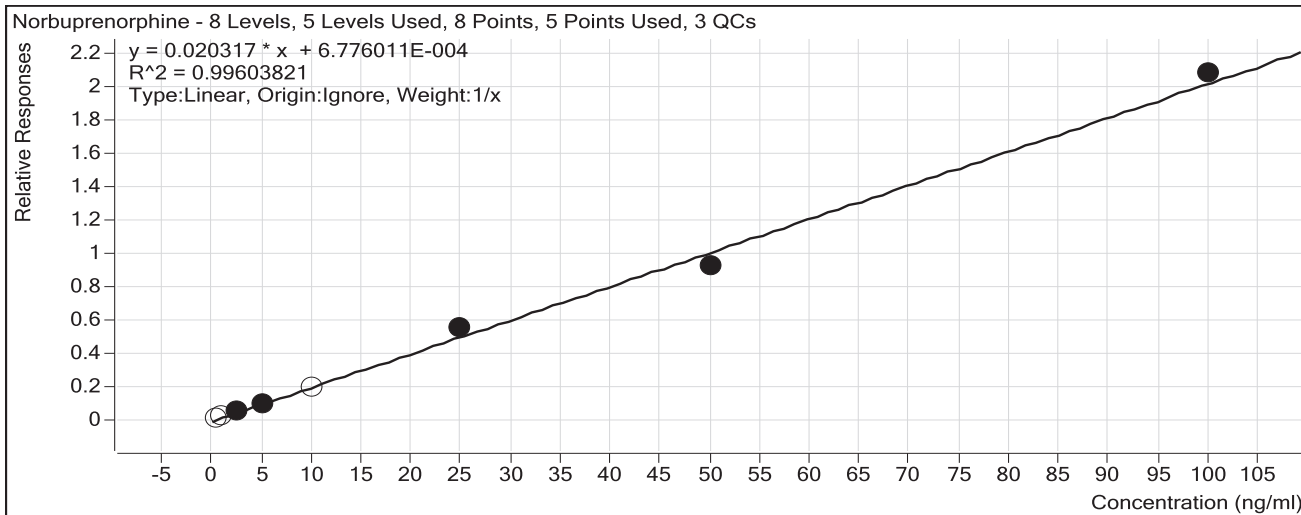
**Last Calib Update** 5/29/2018 7:48 AM

**Analyst Name**

ISP TOX

**Target Compound** *Norbuprenorphine*

**Internal Standard** *Norbuprenorphine-D3*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input type="checkbox"/>	0.5	0.7	141.8
b cal 2-10ng	2	<input type="checkbox"/>	1	1.1	106.5
b cal 2-10ng	2	<input type="checkbox"/>	1	1.1	106.5
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.6	102.6
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.8	95.7
b cal 5-100ng	5	<input type="checkbox"/>	10	9.3	92.8
b qc 100	5	<input type="checkbox"/>	10	11.4	113.6
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	26.9	107.7
b QC 250	6	<input checked="" type="checkbox"/>	25	30.1	120.6
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	45.8	91.5
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	102.5	102.5
b qc 1000	8	<input checked="" type="checkbox"/>	100	91.3	91.3

\*\*\*\*\*Compound not evaluated\*\*\*\*\*

*Bylee*

# ISP Forensics Calibration Curve Report

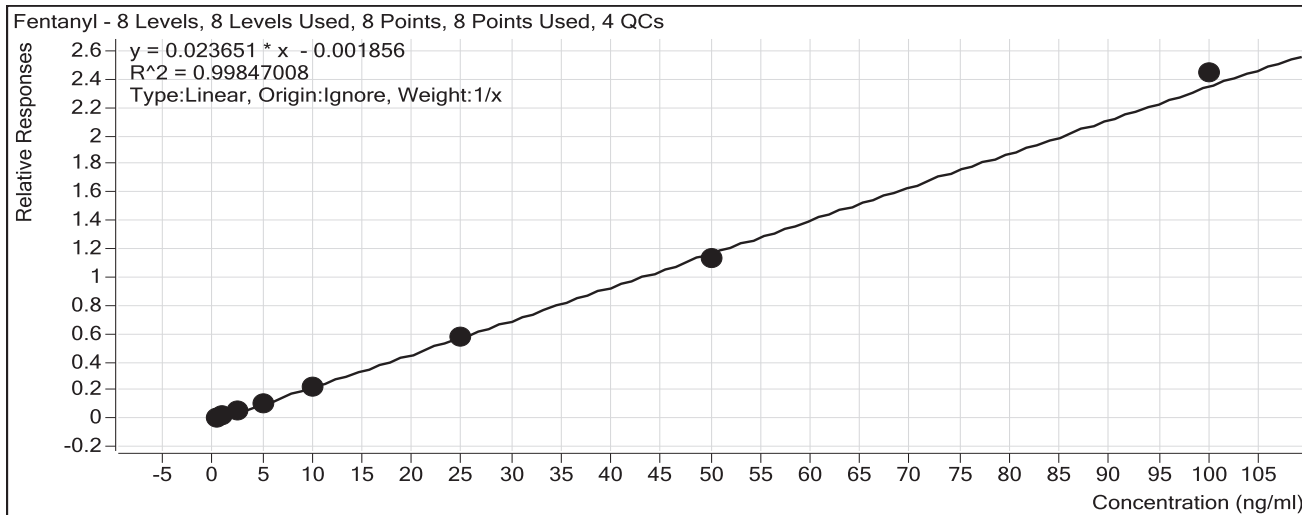
**Batch Data Path** D:\2018 Data\05172018 mdq\QuantResults\05172018 AM 28 MDQp1b.batch.bin

**Last Calib Update** 5/29/2018 7:48 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 checked="" type="checkbox"/>	0.5	0.6	115.2
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.0	101.3
b qc 10	2	<input checked="" type="checkbox"/>	1	1.0	99.1
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.4	95.7
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.7	94.7
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.5	95.3
b qc 100	5	<input checked="" type="checkbox"/>	10	10.0	100.4
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	24.8	99.3
b QC 250	6	<input checked="" type="checkbox"/>	25	24.7	98.8
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	47.7	95.3
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	103.3	103.3
b qc 1000	8	<input checked="" type="checkbox"/>	100	102.6	102.6

*BWylee*

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2018 Data\05172018 mdq\QuantResults\05172018 AM 28 MDQp1b.batch.bin

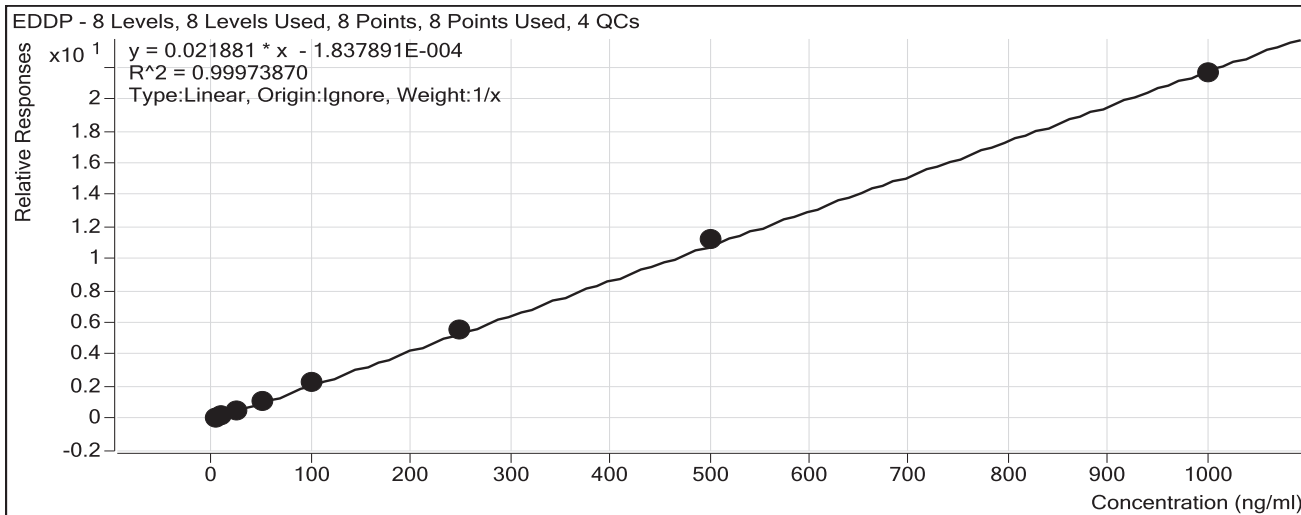
**Last Calib Update** 5/29/2018 7:48 AM

**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	5.2	103.5
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.5	95.3
b qc 10	2	<input checked="" type="checkbox"/>	10	10.4	103.5
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.6	98.6
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.7	99.3
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.7	101.7
b qc 100	5	<input checked="" type="checkbox"/>	100	107.5	107.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	252.1	100.8
b QC 250	6	<input checked="" type="checkbox"/>	250	259.5	103.8
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	510.2	102.0
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	986.9	98.7
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1086.8	108.7

*BWylee*

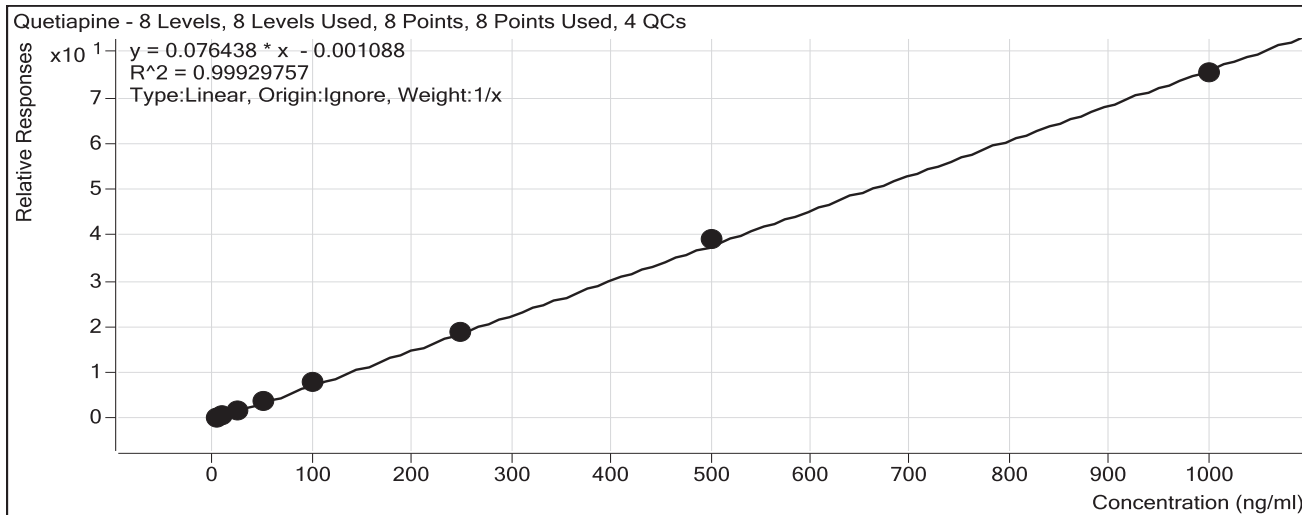
# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2018 Data\05172018 mdq\QuantResults\05172018 AM 28 MDQp1b.batch.bin

**Last Calib Update** 5/29/2018 7:48 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	5.0	100.5
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.5	94.5
b qc 10	2	<input checked="" type="checkbox"/>	10	10.5	104.8
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.1	96.4
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.0	104.0
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	105.3	105.3
b qc 100	5	<input checked="" type="checkbox"/>	100	117.5	117.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	244.3	97.7
b QC 250	6	<input checked="" type="checkbox"/>	250	256.8	102.7
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	515.1	103.0
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	984.7	98.5
b qc 1000	8	<input checked="" type="checkbox"/>	1000	962.1	96.2

*Bylee*

# ISP Forensics Calibration Curve Report

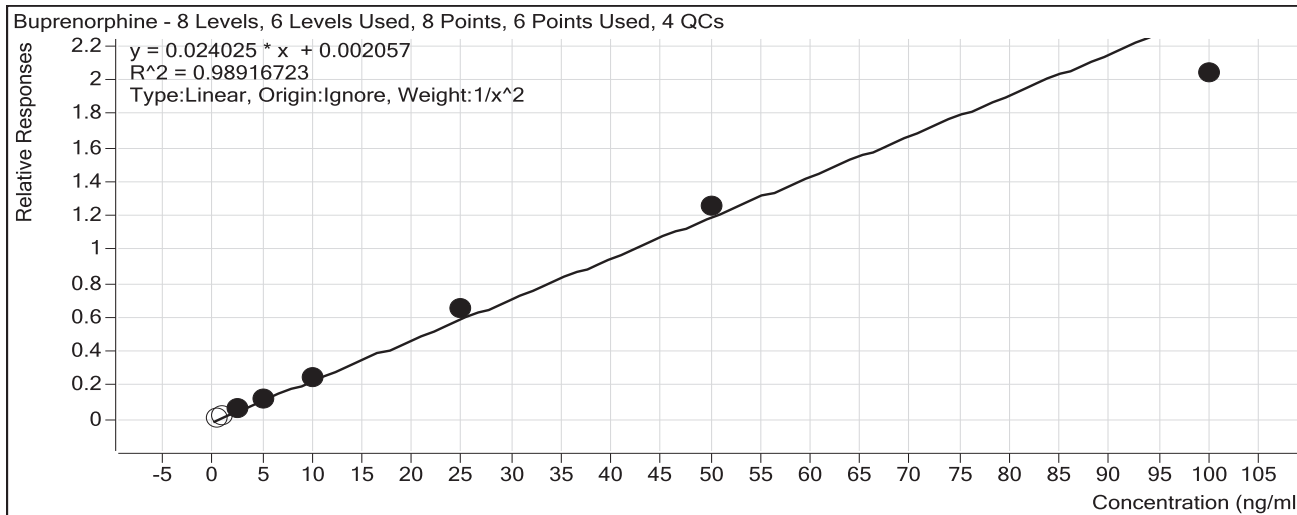
**Batch Data Path** D:\2018 Data\05172018 mdq\QuantResults\05172018 AM 28 MDQp1b.batch.bin

**Last Calib Update** 5/29/2018 7:48 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	0.6	112.6
b cal 2-10ng	2	<input type="checkbox"/>	1	1.1	112.8
b qc 10	2	<input type="checkbox"/>	1	1.3	132.4
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.5	98.0
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	5.1	101.4
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	10.2	102.1
b qc 100	5	<input checked="" type="checkbox"/>	10	11.3	113.0
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	27.3	109.1
b QC 250	6	<input checked="" type="checkbox"/>	25	25.4	101.7
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	52.3	104.7
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	84.7	84.7
b qc 1000	8	<input checked="" type="checkbox"/>	100	76.1	76.1

\*\*\*\*\*Curve limited to 2.5-100\*\*\*\*\*

*BWylee*

# ISP Forensics Calibration Curve Report

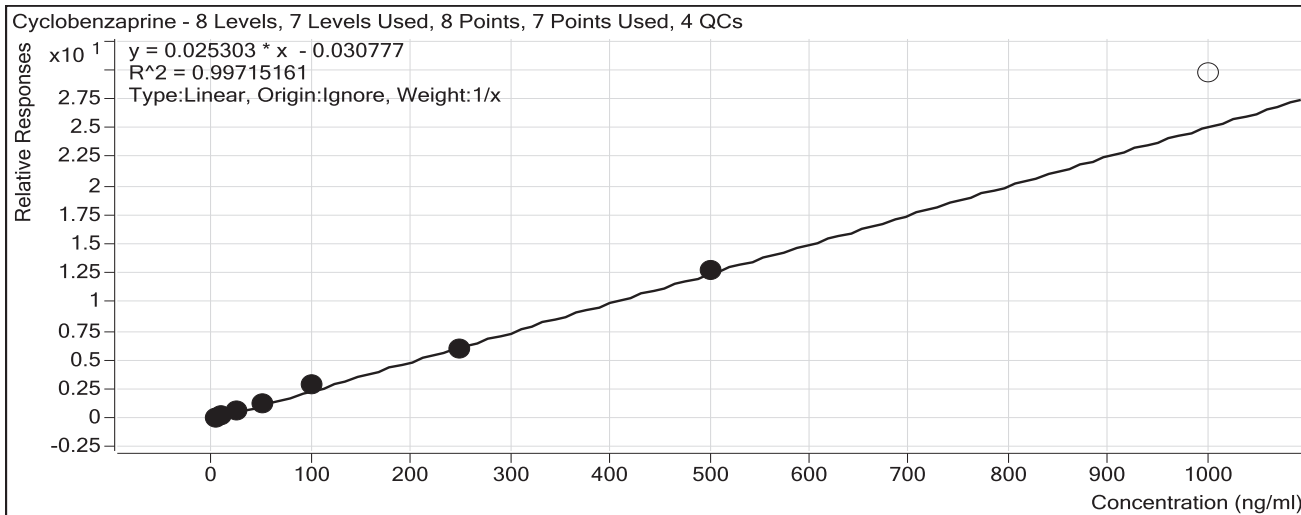
**Batch Data Path** D:\2018 Data\05172018 mdq\QuantResults\05172018 AM 28 MDQp1b.batch.bin

**Last Calib Update** 5/29/2018 7:48 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	5.3	106.2
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.2	92.5
b qc 10	2	<input checked="" type="checkbox"/>	10	10.1	100.6
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.7	98.8
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.7	95.5
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	111.5	111.5
b qc 100	5	<input checked="" type="checkbox"/>	100	117.9	117.9
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	236.3	94.5
b QC 250	6	<input checked="" type="checkbox"/>	250	210.8	84.3
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	505.2	101.0
b cal 8-1000ng	8	<input type="checkbox"/>	1000	1175.1	117.5
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1058.8	105.9

\*\*\*\*\*Curve Limited to 5-500\*\*\*\*\*

*Bylee*

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2018 Data\05172018 mdq\QuantResults\05172018 AM 28 MDQp1b.batch.bin

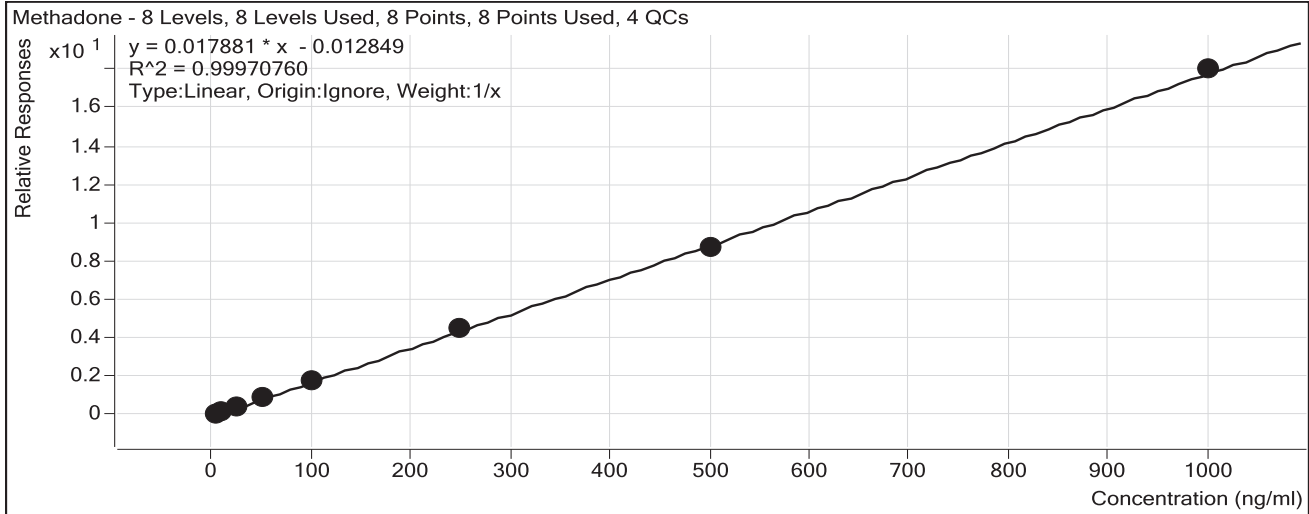
**Last Calib Update** 5/29/2018 7:48 AM

**Analyst Name**

ISP TOX

**Target Compound** *Methadone*

**Internal Standard** *Methadone-D9*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.6	111.4
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	8.6	86.4
b qc 10	2	<input checked="" type="checkbox"/>	10	10.6	106.4
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.7	102.7
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.7	99.4
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.3	100.3
b qc 100	5	<input checked="" type="checkbox"/>	100	109.6	109.6
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	252.5	101.0
b QC 250	6	<input checked="" type="checkbox"/>	250	257.6	103.0
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	490.7	98.1
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1006.9	100.7
b qc 1000	8	<input checked="" type="checkbox"/>	1000	988.8	98.9

*Bylee*



# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2018 Data\05172018 mdq\QuantResults\05172018 AM 28 MDQp1b.batch.bin

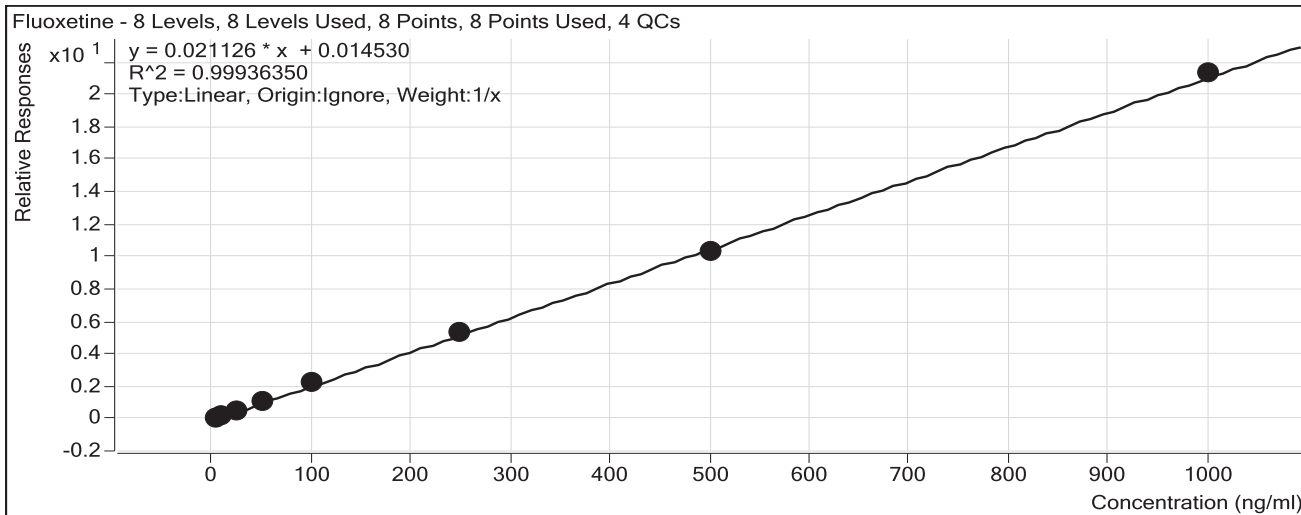
**Last Calib Update** 5/29/2018 7:48 AM

**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 checked="" type="checkbox"/>	5	4.7	93.7
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.8	107.9
b qc 10	2	<input checked="" type="checkbox"/>	10	10.0	99.8
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.1	96.3
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.1	96.3
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	107.5	107.5
b qc 100	5	<input checked="" type="checkbox"/>	100	124.9	124.9
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	250.6	100.2
b QC 250	6	<input checked="" type="checkbox"/>	250	263.9	105.6
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	487.2	97.4
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1007.1	100.7
b qc 1000	8	<input checked="" type="checkbox"/>	1000	982.6	98.3

*BWylee*

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2018 Data\05172018 mdq\QuantResults\05172018 AM 28 MDQp1b.batch.bin

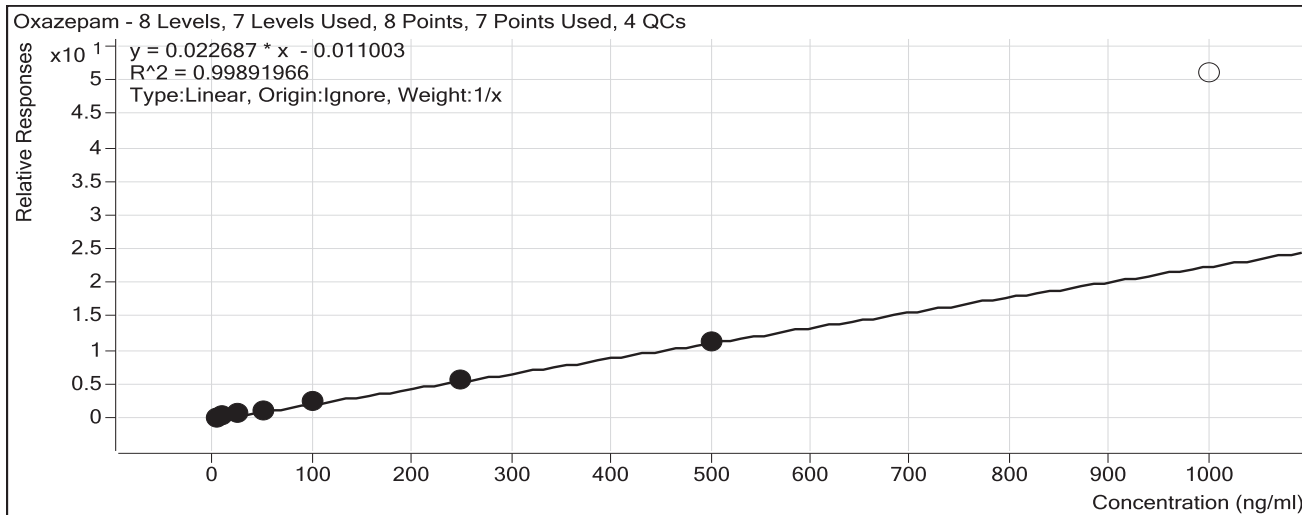
**Last Calib Update** 5/29/2018 7:48 AM

**Analyst Name**

ISP TOX

**Target Compound** Oxazepam

**Internal Standard** Oxazepam-D5



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	103.5
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	98.0
b qc 10	2	<input checked="" type="checkbox"/>	10	9.7	96.7
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.5	102.1
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	45.3	90.6
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	106.4	106.4
b qc 100	5	<input checked="" type="checkbox"/>	100	96.5	96.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	248.7	99.5
b QC 250	6	<input checked="" type="checkbox"/>	250	253.3	101.3
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	499.1	99.8
b cal 8-1000ng	8	<input type="checkbox"/>	1000	2249.6	225.0
b qc 1000	8	<input type="checkbox"/>	1000	1821.6	182.2

\*\*\*\*Curve Limited 5-500\*\*\*\*

*BWylee*

# ISP Forensics Calibration Curve Report

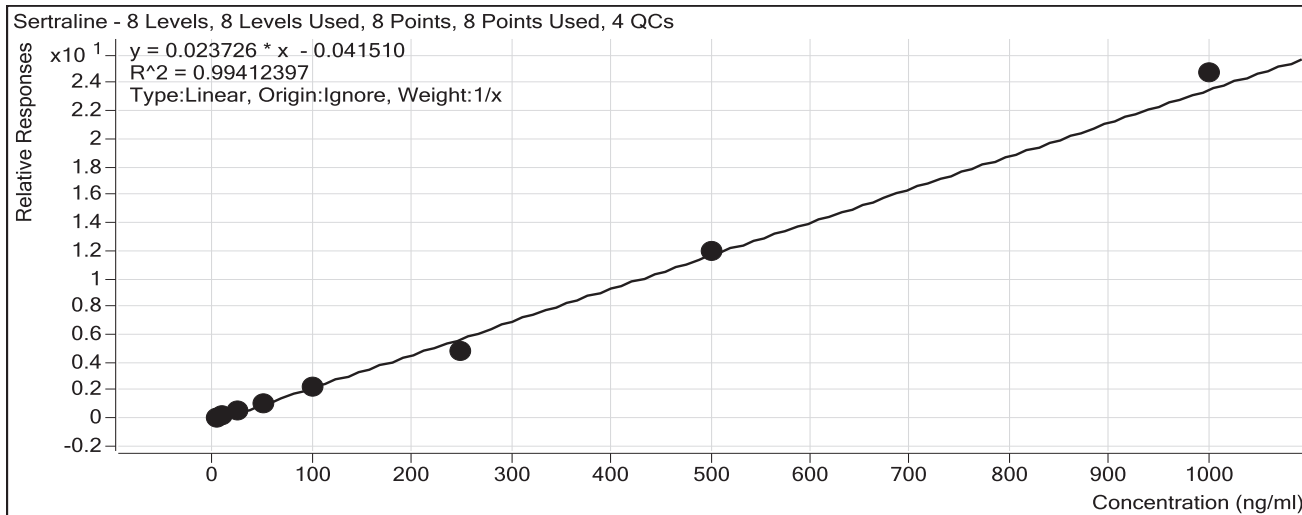
**Batch Data Path** D:\2018 Data\05172018 mdq\QuantResults\05172018 AM 28 MDQp1b.batch.bin

**Last Calib Update** 5/29/2018 7:48 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	6.0	119.2
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	98.5
b qc 10	2	<input checked="" type="checkbox"/>	10	10.0	100.2
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.5	105.9
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	45.6	91.1
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.4	97.4
b qc 100	5	<input checked="" type="checkbox"/>	100	99.6	99.6
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	205.7	82.3
b QC 250	6	<input checked="" type="checkbox"/>	250	272.3	108.9
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	506.7	101.3
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1042.3	104.2
b qc 1000	8	<input checked="" type="checkbox"/>	1000	927.9	92.8

*BWylee*

# ISP Forensics Calibration Curve Report

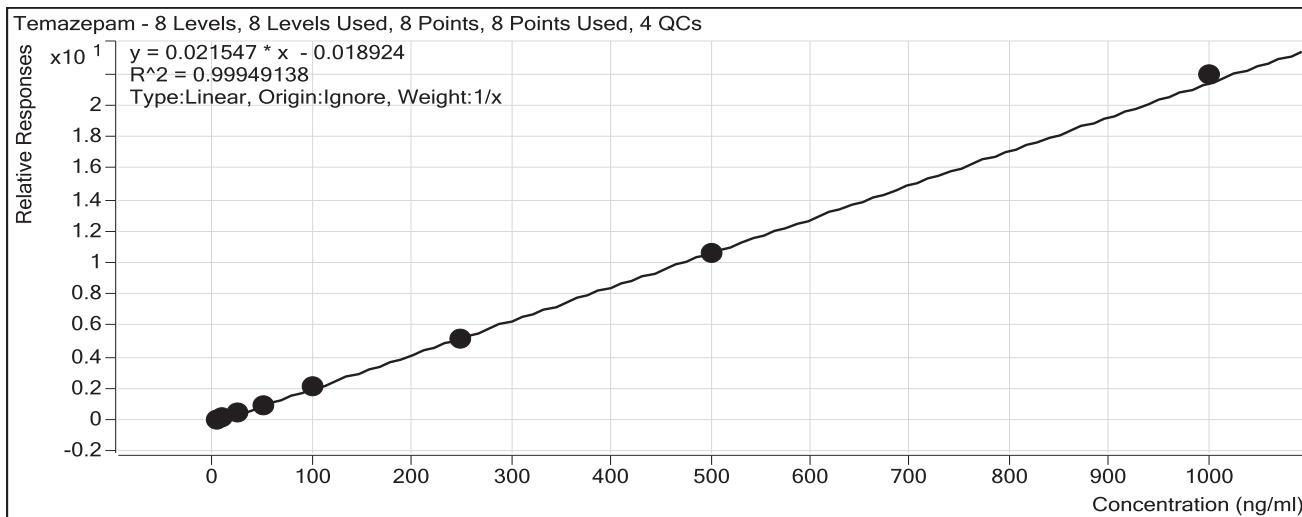
**Batch Data Path** D:\2018 Data\05172018 mdq\QuantResults\05172018 AM 28 MDQp1b.batch.bin

**Last Calib Update** 5/29/2018 7:48 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	5.4	107.6
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	100.1
b qc 10	2	<input checked="" type="checkbox"/>	10	9.6	96.1
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.6	98.3
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.0	94.1
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.9	102.9
b qc 100	5	<input checked="" type="checkbox"/>	100	100.1	100.1
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	242.6	97.0
b QC 250	6	<input checked="" type="checkbox"/>	250	233.0	93.2
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	491.7	98.3
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1015.7	101.6
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1018.4	101.8

*Bylee*

# ISP Forensics Calibration Curve Report

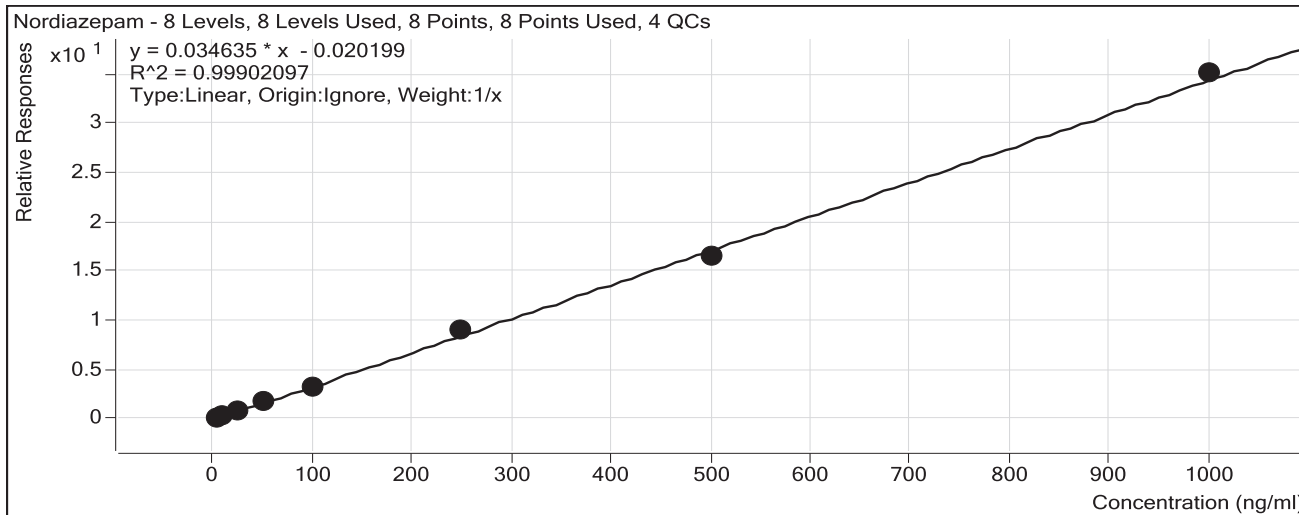
**Batch Data Path** D:\2018 Data\05172018 mdq\QuantResults\05172018 AM 28 MDQp1b.batch.bin

**Last Calib Update** 5/29/2018 7:48 AM

**Analyst Name** ISP TOX

**Target Compound** Nordiazepam

**Internal Standard** Nordiazepam-D5



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.9	98.9
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	100.3
b qc 10	2	<input checked="" type="checkbox"/>	10	9.5	95.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.2	104.9
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.3	100.6
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	93.7	93.7
b qc 100	5	<input checked="" type="checkbox"/>	100	113.0	113.0
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	259.7	103.9
b QC 250	6	<input checked="" type="checkbox"/>	250	241.9	96.8
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	481.2	96.2
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1013.9	101.4
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1018.6	101.9

*Bylee*

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2018 Data\05172018 mdq\QuantResults\05172018 AM 28 MDQp1b.batch.bin

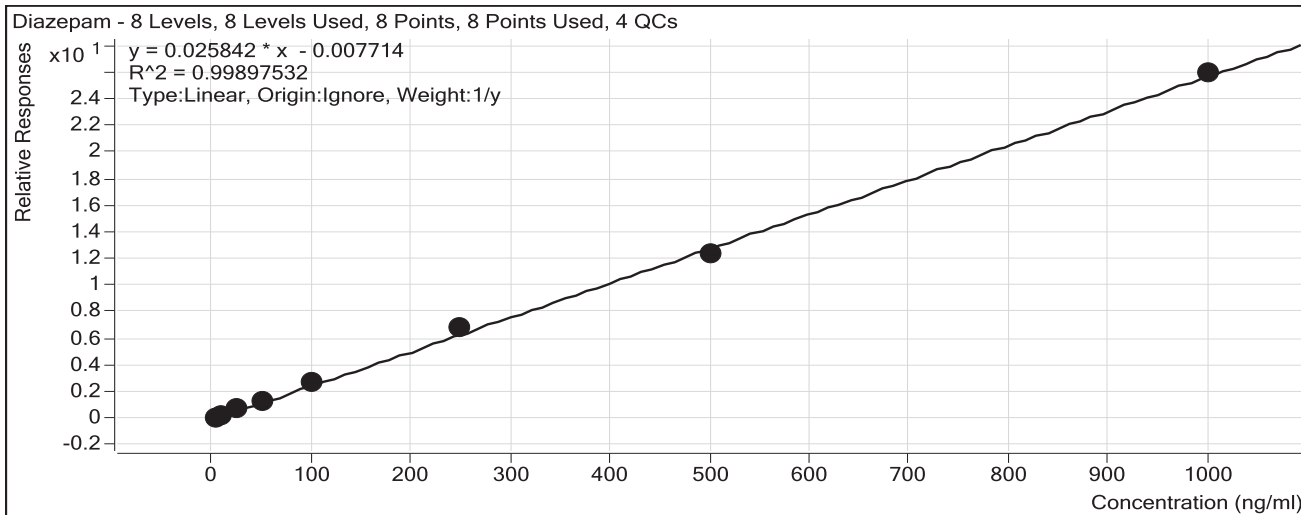
**Last Calib Update** 5/29/2018 7:48 AM

**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	4.4	88.0
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.4	103.6
b qc 10	2	<input checked="" type="checkbox"/>	10	10.5	105.1
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.0	104.1
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.2	102.5
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.6	103.6
b qc 100	5	<input checked="" type="checkbox"/>	100	116.4	116.4
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	263.5	105.4
b QC 250	6	<input checked="" type="checkbox"/>	250	268.9	107.6
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	480.0	96.0
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1002.7	100.3
b qc 1000	8	<input checked="" type="checkbox"/>	1000	989.8	99.0

*Bylee*

# ISP FORENSICS - Cd'A Instrument # 62340

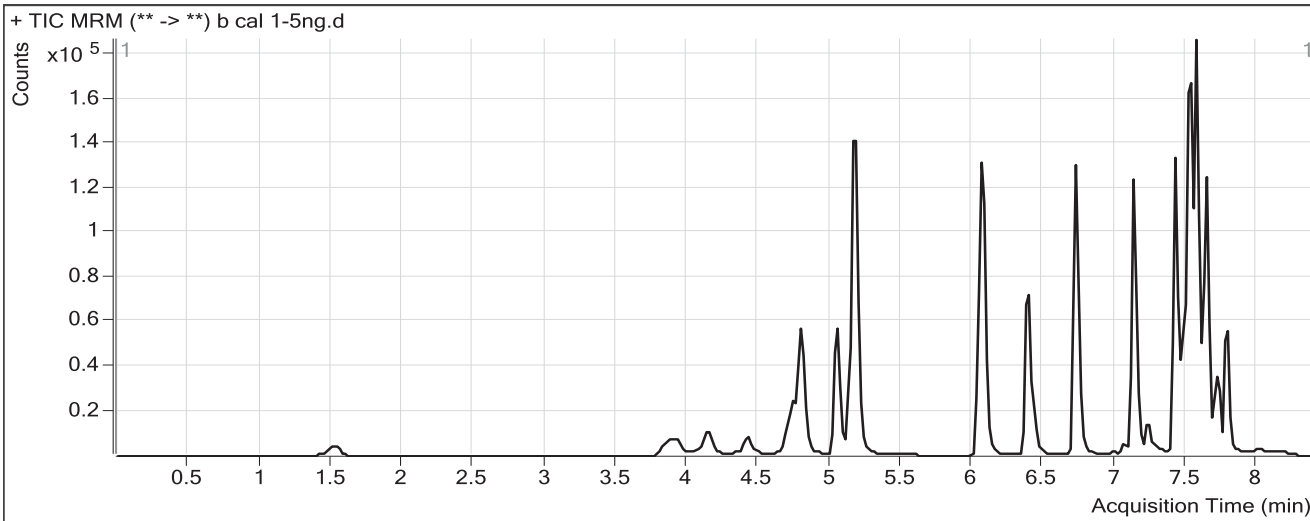
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2018 Data\05172018 mdq\QuantResults\05172018 AM 28 MDQp1b.batch.bin  
**Analysis Time** 5/29/2018 8:54 AM **Analyst Name** ISP Tox  
**Report Time** 5/29/2018 8:55 AM **Reporter Name** ISP Tox  
**Last Calib Update** 5/29/2018 8:54 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-05-17 17:18 **Data File** b cal 1-5ng.d  
**Sample Type** Calibration **Sample Name** b cal 1-5ng  
**Dilution** 1 **Acq Method** Quant Panel 1b 10-2017.m  
**Position** P1-A1 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28 Panel 1

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.548	3141	26304	0.1194	5.1737
Dihydrocodeine	Dihydrocodeine-D6	3.955	5432	57468	0.0945	4.2002
Naloxone	Naloxone-D5	4.206	3961	54953	0.0721	5.7741
Noroxycodone	Noroxycodone-D3	4.479	3594	29623	0.1213	4.4928
Naltrexone	Naltrexone-D3	4.750	8160	77149	0.1058	4.7216
Naltrexol	Naltrexol-D3	5.049	21052	158567	0.1328	4.0970
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.179	50788	468527	0.1084	4.6343
Ketamine	Ketamine-D4	6.055	18158	148147	0.1226	4.9215
Norfentanyl	Norfentanyl-D5	6.080	2983	311936	0.0096	0.8979
alpha-PVP	alpha-PVP-d8	6.407	24967	213761	0.1168	4.9416
Norbuprenorphine	Norbuprenorphine-D3	7.073	131	8682	0.0151	0.7088
Fentanyl	Fentanyl-D5	7.118	3763	319812	0.0118	0.5761
EDDP	EDDP-D3	7.249	3261	28849	0.1130	5.1747
Quetiapine	Quetiapine-D8	7.418	37699	98378	0.3832	5.0274
Buprenorphine	Buprenorphine-D4	7.555	851	54632	0.0156	0.5628
Cyclobenzaprine	Cyclobenzaprine-D3	7.492	12548	121111	0.1036	5.3110
Methadone	Methadone-D9	7.522	28549	329078	0.0868	5.5702
Fluoxetine	Fluoxetine-D6	7.564	37654	331734	0.1135	4.6852
Oxazepam	Oxazepam-D5	7.589	6267	58869	0.1065	5.1773
Sertraline	Sertraline-D3	7.625	7938	79458	0.0999	5.9606
Temazepam	Temazepam-D5	7.647	19523	201255	0.0970	5.3804
Nordiazepam	Nordiazepam-D5	7.735	9053	59936	0.1510	4.9442
Diazepam	Diazepam-D5	7.790	12402	117077	0.1059	4.3976

*D. Wylee*

# ISP FORENSICS - Cd'A Instrument # 62340

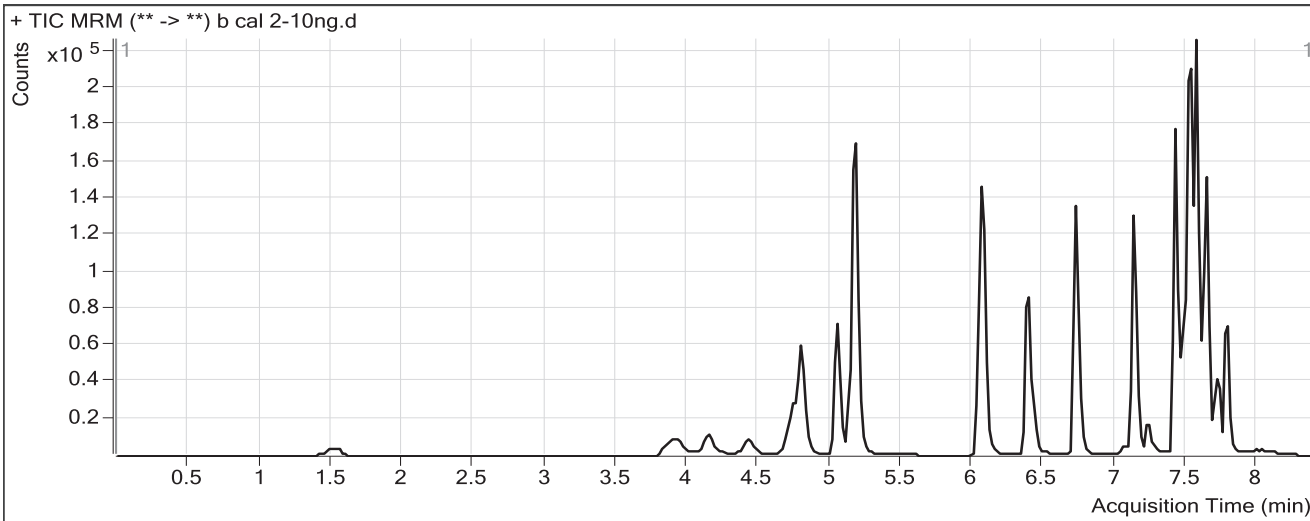
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	D:\2018 Data\05172018 mdq\QuantResults\05172018 AM 28 MDQp1b.batch.bin		
<b>Analysis Time</b>	5/29/2018 8:54 AM	<b>Analyst Name</b>	ISP Tox
<b>Report Time</b>	5/29/2018 8:55 AM	<b>Reporter Name</b>	ISP Tox
<b>Last Calib Update</b>	5/29/2018 8:54 AM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2018-05-17 17:44	<b>Data File</b>	b cal 2-10ng.d
<b>Sample Type</b>	Calibration	<b>Sample Name</b>	b cal 2-10ng
<b>Dilution</b>	1	<b>Acq Method</b>	Quant Panel 1b 10-2017.m
<b>Position</b>	P1-B1	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	AM 28 Panel 1

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.528	6482	26935	0.2407	9.9730
Dihydrocodeine	Dihydrocodeine-D6	3.955	11532	59481	0.1939	9.5637
Naloxone	Naloxone-D5	4.206	8457	52927	0.1598	11.1160
Noroxycodone	Noroxycodone-D3	4.459	7097	29738	0.2387	9.5966
Naltrexone	Naltrexone-D3	4.750	16788	81124	0.2069	9.4606
Naltrexol	Naltrexol-D3	5.049	44655	171331	0.2606	9.2511
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.179	102779	495951	0.2072	9.5000
Ketamine	Ketamine-D4	6.055	38987	153665	0.2537	10.0404
Norfentanyl	Norfentanyl-D5	6.080	6146	330753	0.0186	1.3091
alpha-PVP	alpha-PVP-d8	6.407	54470	221930	0.2454	10.1354
Norbuprenorphine	Norbuprenorphine-D3	7.052	217	9731	0.0223	1.0654
Fentanyl	Fentanyl-D5	7.138	7559	342072	0.0221	1.0129
EDDP	EDDP-D3	7.229	7036	33775	0.2083	9.5293
Quetiapine	Quetiapine-D8	7.418	77071	106849	0.7213	9.4507
Buprenorphine	Buprenorphine-D4	7.555	1894	64972	0.0292	1.1279
Cyclobenzaprine	Cyclobenzaprine-D3	7.492	27221	133968	0.2032	9.2466
Methadone	Methadone-D9	7.522	51327	362389	0.1416	8.6394
Fluoxetine	Fluoxetine-D6	7.564	80186	330779	0.2424	10.7873
Oxazepam	Oxazepam-D5	7.589	11469	54245	0.2114	9.8045
Sertraline	Sertraline-D3	7.625	17646	91810	0.1922	9.8503
Temazepam	Temazepam-D5	7.647	43207	219546	0.1968	10.0119
Nordiazepam	Nordiazepam-D5	7.735	20310	62068	0.3272	10.0311
Diazepam	Diazepam-D5	7.790	32867	126429	0.2600	10.3583



# ISP FORENSICS - Cd'A Instrument # 62340

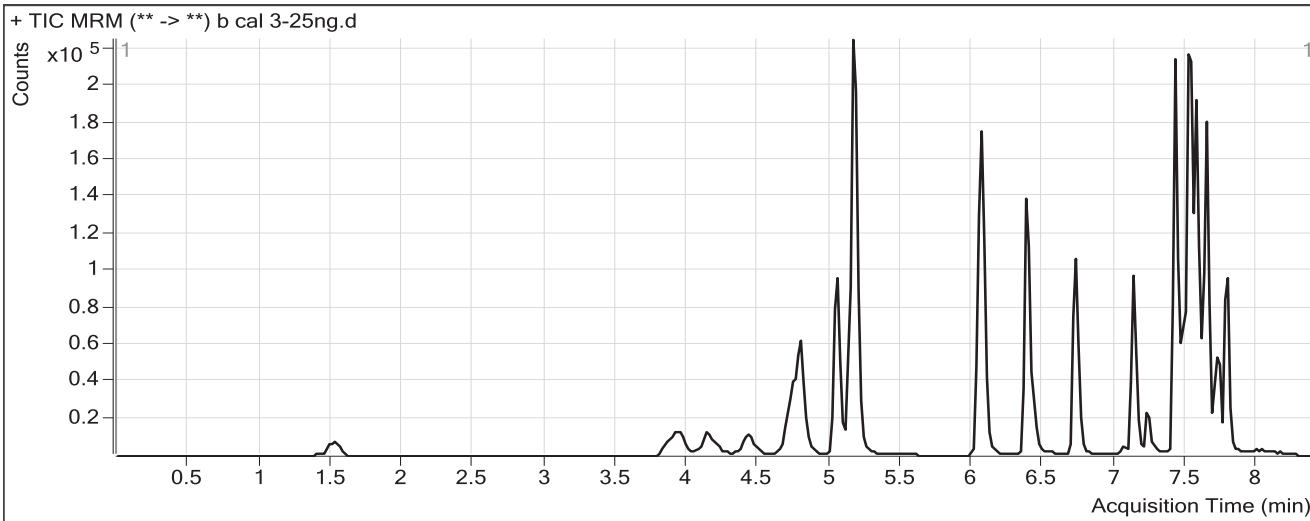
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	D:\2018 Data\05172018 mdq\QuantResults\05172018 AM 28 MDQp1b.batch.bin		
<b>Analysis Time</b>	5/29/2018 8:54 AM	<b>Analyst Name</b>	ISP Tox
<b>Report Time</b>	5/29/2018 8:55 AM	<b>Reporter Name</b>	ISP Tox
<b>Last Calib Update</b>	5/29/2018 8:54 AM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2018-05-17 18:09	<b>Data File</b>	b cal 3-25ng.d
<b>Sample Type</b>	Calibration	<b>Sample Name</b>	b cal 3-25ng
<b>Dilution</b>	1	<b>Acq Method</b>	Quant Panel 1b 10-2017.m
<b>Position</b>	P1-C1	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	AM 28 Panel 1

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.528	16914	27254	0.6206	25.0115
Dihydrocodeine	Dihydrocodeine-D6	3.955	28815	57996	0.4969	25.9168
Naloxone	Naloxone-D5	4.206	18582	57982	0.3205	20.9057
Noroxycodone	Noroxycodone-D3	4.459	17918	29907	0.5991	25.2734
Naltrexone	Naltrexone-D3	4.730	44123	77745	0.5675	26.3515
Naltrexol	Naltrexol-D3	5.049	113970	168352	0.6770	26.0324
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.179	273777	501713	0.5457	26.1616
Ketamine	Ketamine-D4	6.035	103627	153837	0.6736	26.4304
Norfentanyl	Norfentanyl-D5	6.080	16367	334374	0.0489	2.6932
alpha-PVP	alpha-PVP-d8	6.386	149235	235078	0.6348	25.8577
Norbuprenorphine	Norbuprenorphine-D3	7.073	436	8261	0.0528	2.5651
Fentanyl	Fentanyl-D5	7.138	13134	240068	0.0547	2.3918
EDDP	EDDP-D3	7.229	18063	33509	0.5390	24.6440
Quetiapine	Quetiapine-D8	7.418	172843	93846	1.8418	24.1092
Buprenorphine	Buprenorphine-D4	7.555	3387	55599	0.0609	2.4500
Cyclobenzaprine	Cyclobenzaprine-D3	7.492	46325	77995	0.5939	24.6899
Methadone	Methadone-D9	7.522	123574	276900	0.4463	25.6761
Fluoxetine	Fluoxetine-D6	7.564	124835	238721	0.5229	24.0659
Oxazepam	Oxazepam-D5	7.589	26641	46908	0.5679	25.5183
Sertraline	Sertraline-D3	7.625	29449	50179	0.5869	26.4854
Temazepam	Temazepam-D5	7.647	104535	204746	0.5106	24.5735
Nordiazepam	Nordiazepam-D5	7.735	47230	53168	0.8883	26.2307
Diazepam	Diazepam-D5	7.790	75620	113696	0.6651	26.0363

# ISP FORENSICS - Cd'A Instrument # 62340

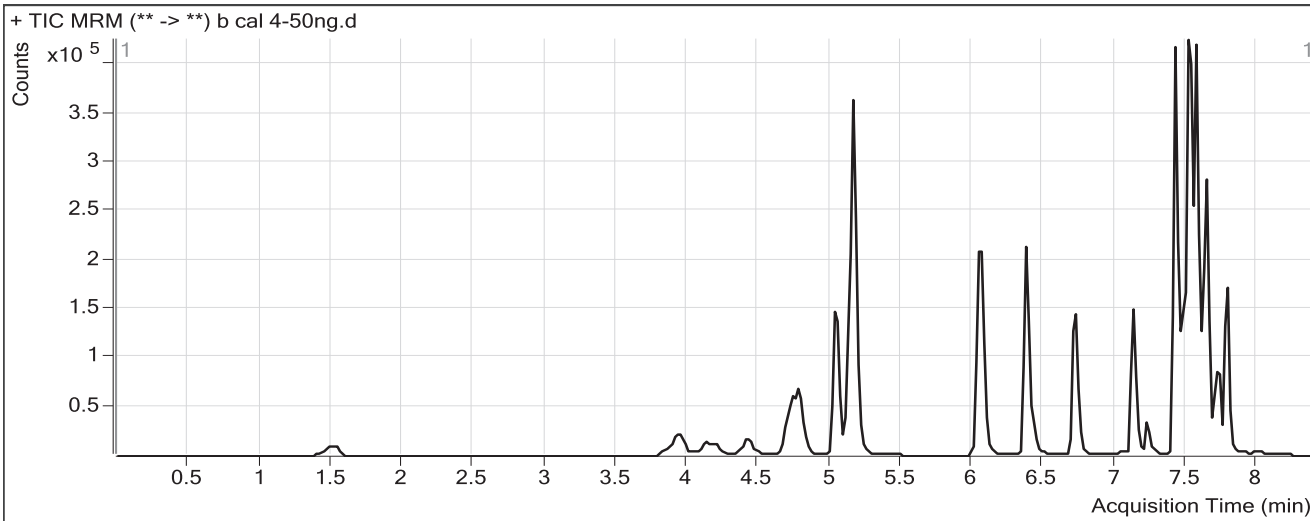
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	D:\2018 Data\05172018 mdq\QuantResults\05172018 AM 28 MDQp1b.batch.bin		
<b>Analysis Time</b>	5/29/2018 8:54 AM	<b>Analyst Name</b>	ISP Tox
<b>Report Time</b>	5/29/2018 8:55 AM	<b>Reporter Name</b>	ISP Tox
<b>Last Calib Update</b>	5/29/2018 8:54 AM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2018-05-17 18:35	<b>Data File</b>	b cal 4-50ng.d
<b>Sample Type</b>	Calibration	<b>Sample Name</b>	b cal 4-50ng
<b>Dilution</b>	1	<b>Acq Method</b>	Quant Panel 1b 10-2017.m
<b>Position</b>	P1-D1	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	AM 28 Panel 1

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.528	34000	28332	1.2000	47.9477
Dihydrocodeine	Dihydrocodeine-D6	3.955	61107	61285	0.9971	52.9180
Naloxone	Naloxone-D5	4.206	45934	61155	0.7511	47.1386
Noroxycodone	Noroxycodone-D3	4.439	36144	29917	1.2081	51.7601
Naltrexone	Naltrexone-D3	4.730	86857	80658	1.0769	50.2090
Naltrexol	Naltrexol-D3	5.049	243024	178951	1.3580	53.4838
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.159	590534	556110	1.0619	51.5747
Ketamine	Ketamine-D4	6.035	216151	165757	1.3040	51.0370
Norfentanyl	Norfentanyl-D5	6.080	32653	340250	0.0960	4.8364
alpha-PVP	alpha-PVP-d8	6.386	287022	238686	1.2025	48.7781
Norbuprenorphine	Norbuprenorphine-D3	7.052	977	9984	0.0979	4.7847
Fentanyl	Fentanyl-D5	7.118	38867	352980	0.1101	4.7342
EDDP	EDDP-D3	7.229	35296	32480	1.0867	49.6731
Quetiapine	Quetiapine-D8	7.418	439228	110507	3.9747	52.0128
Buprenorphine	Buprenorphine-D4	7.555	8819	71174	0.1239	5.0717
Cyclobenzaprine	Cyclobenzaprine-D3	7.492	161384	137071	1.1774	47.7477
Methadone	Methadone-D9	7.522	326646	373081	0.8755	49.6820
Fluoxetine	Fluoxetine-D6	7.564	409045	396518	1.0316	48.1438
Oxazepam	Oxazepam-D5	7.589	49237	48401	1.0173	45.3245
Sertraline	Sertraline-D3	7.625	98144	94423	1.0394	45.5590
Temazepam	Temazepam-D5	7.647	215009	216142	0.9948	47.0451
Nordiazepam	Nordiazepam-D5	7.735	99470	57739	1.7228	50.3235
Diazepam	Diazepam-D5	7.790	168127	127743	1.3161	51.2292

# ISP FORENSICS - Cd'A Instrument # 62340

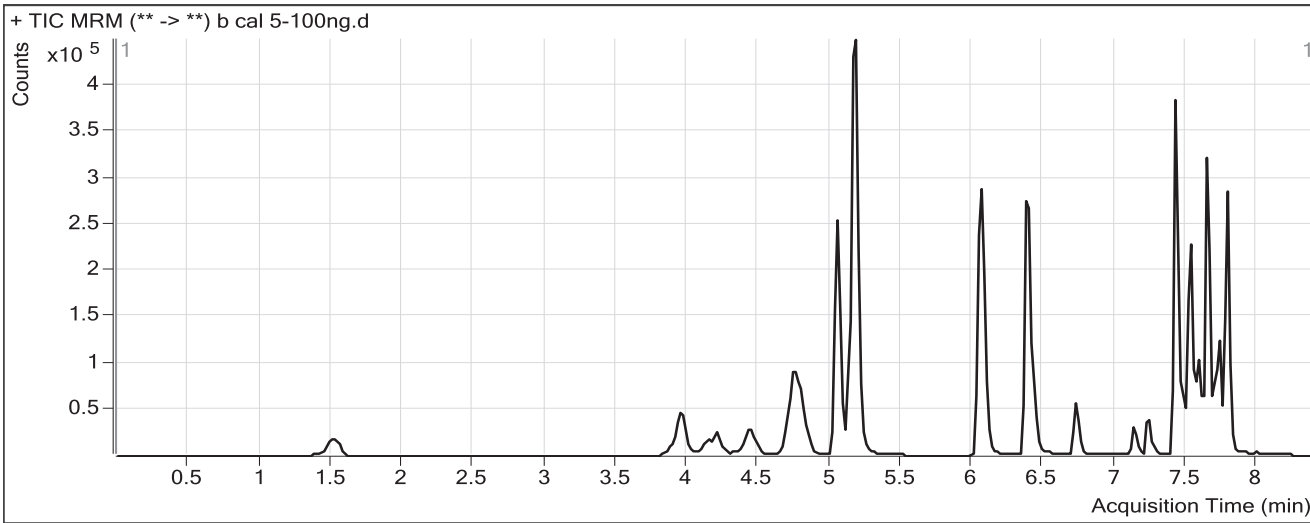
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	D:\2018 Data\05172018 mdq\QuantResults\05172018 AM 28 MDQp1b.batch.bin		
<b>Analysis Time</b>	5/29/2018 8:54 AM	<b>Analyst Name</b>	ISP Tox
<b>Report Time</b>	5/29/2018 8:55 AM	<b>Reporter Name</b>	ISP Tox
<b>Last Calib Update</b>	5/29/2018 8:54 AM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2018-05-17 19:00	<b>Data File</b>	b cal 5-100ng.d
<b>Sample Type</b>	Calibration	<b>Sample Name</b>	b cal 5-100ng
<b>Dilution</b>	1	<b>Acq Method</b>	Quant Panel 1b 10-2017.m
<b>Position</b>	P1-E1	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	AM 28 Panel 1

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.528	69896	27988	2.4973	99.2988
Dihydrocodeine	Dihydrocodeine-D6	3.975	117307	60696	1.9327	103.4188
Naloxone	Naloxone-D5	4.206	85579	58648	1.4592	90.2737
Noroxycodone	Noroxycodone-D3	4.459	69220	29341	2.3592	101.8205
Naltrexone	Naltrexone-D3	4.730	166468	75772	2.1970	102.6757
Naltrexol	Naltrexol-D3	5.049	466714	170150	2.7430	109.3048
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.179	1073108	502819	2.1342	104.3624
Ketamine	Ketamine-D4	6.035	402301	156061	2.5779	100.7580
Norfentanyl	Norfentanyl-D5	6.080	65522	318379	0.2058	9.8426
alpha-PVP	alpha-PVP-d8	6.407	530154	214245	2.4745	100.1366
Norbuprenorphine	Norbuprenorphine-D3	7.052	761	4025	0.1891	9.2760
Fentanyl	Fentanyl-D5	7.138	14046	62857	0.2235	9.5269
EDDP	EDDP-D3	7.249	61693	27724	2.2253	101.7095
Quetiapine	Quetiapine-D8	7.418	523114	65017	8.0458	105.2735
Buprenorphine	Buprenorphine-D4	7.555	5891	23826	0.2473	10.2066
Cyclobenzaprine	Cyclobenzaprine-D3	7.492	41735	14956	2.7906	111.5037
Methadone	Methadone-D9	7.522	215487	121014	1.7807	100.3014
Fluoxetine	Fluoxetine-D6	7.564	80659	35290	2.2856	107.5028
Oxazepam	Oxazepam-D5	7.589	85515	35590	2.4028	106.3955
Sertraline	Sertraline-D3	7.625	16632	7332	2.2683	97.3565
Temazepam	Temazepam-D5	7.647	416009	189186	2.1989	102.9314
Nordiazepam	Nordiazepam-D5	7.735	163275	50605	3.2264	93.7379
Diazepam	Diazepam-D5	7.790	310512	116359	2.6686	103.5645

# ISP FORENSICS - Cd'A Instrument # 62340

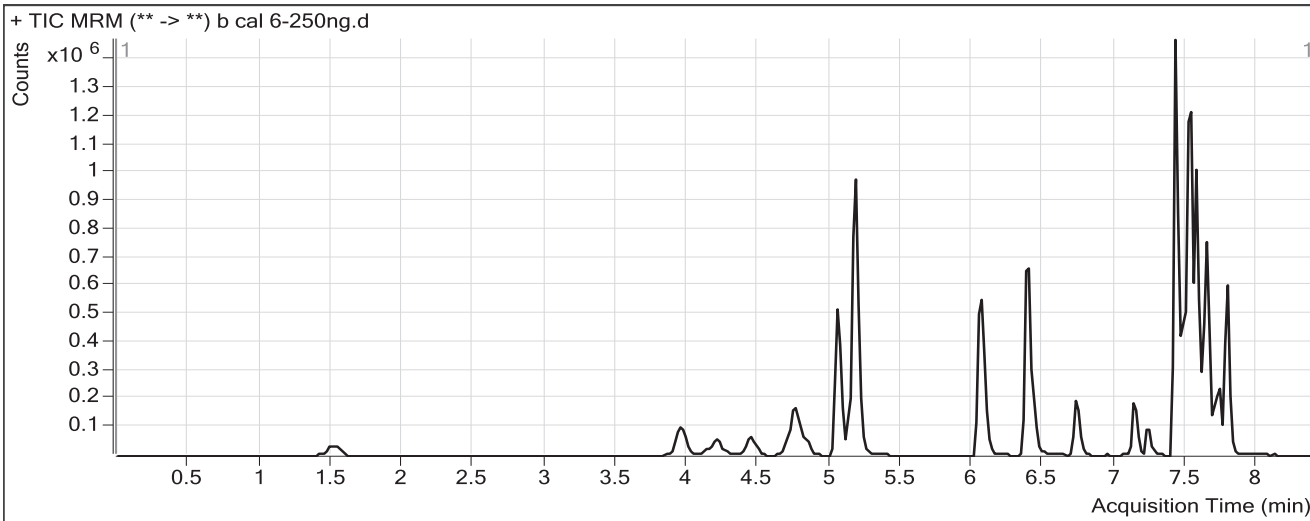
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2018 Data\05172018 mdq\QuantResults\05172018 AM 28 MDQp1b.batch.bin  
**Analysis Time** 5/29/2018 8:54 AM **Analyst Name** ISP Tox  
**Report Time** 5/29/2018 8:55 AM **Reporter Name** ISP Tox  
**Last Calib Update** 5/29/2018 8:54 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-05-17 19:25 **Data File** b cal 6-250ng.d  
**Sample Type** Calibration **Sample Name** b cal 6-250ng  
**Dilution** 1 **Acq Method** Quant Panel 1b 10-2017.m  
**Position** P1-F1 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28 Panel 1

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.548	173565	27031	6.4209	254.6035
Dihydrocodeine	Dihydrocodeine-D6	3.975	309232	61310	5.0437	271.3383
Naloxone	Naloxone-D5	4.206	228239	54062	4.2218	258.5670
Noroxycodone	Noroxycodone-D3	4.459	173565	28366	6.1187	265.3257
Naltrexone	Naltrexone-D3	4.750	367189	67334	5.4532	255.2031
Naltrexol	Naltrexol-D3	5.049	1132734	169153	6.6965	268.6589
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.179	2655585	512471	5.1819	254.4011
Ketamine	Ketamine-D4	6.035	1073094	163357	6.5690	256.5435
Norfentanyl	Norfentanyl-D5	6.080	168195	319100	0.5271	24.4875
alpha-PVP	alpha-PVP-d8	6.407	1503701	235722	6.3791	257.7882
Norbuprenorphine	Norbuprenorphine-D3	7.073	4192	7654	0.5478	26.9272
Fentanyl	Fentanyl-D5	7.138	163916	280131	0.5851	24.8197
EDDP	EDDP-D3	7.249	189800	34409	5.5160	252.1030
Quetiapine	Quetiapine-D8	7.418	1940861	103953	18.6706	244.2722
Buprenorphine	Buprenorphine-D4	7.555	35328	53725	0.6576	27.2851
Cyclobenzaprine	Cyclobenzaprine-D3	7.492	612291	102947	5.9477	236.2751
Methadone	Methadone-D9	7.522	1447121	321424	4.5022	252.5007
Fluoxetine	Fluoxetine-D6	7.564	1516982	285808	5.3077	250.5585
Oxazepam	Oxazepam-D5	7.589	151970	26989	5.6308	248.6793
Sertraline	Sertraline-D3	7.625	340774	70416	4.8394	205.7238
Temazepam	Temazepam-D5	7.647	922262	177073	5.2084	242.5994
Nordiazepam	Nordiazepam-D5	7.735	359522	40061	8.9743	259.6938
Diazepam	Diazepam-D5	7.790	805104	118359	6.8022	263.5255

# ISP FORENSICS - Cd'A Instrument # 62340

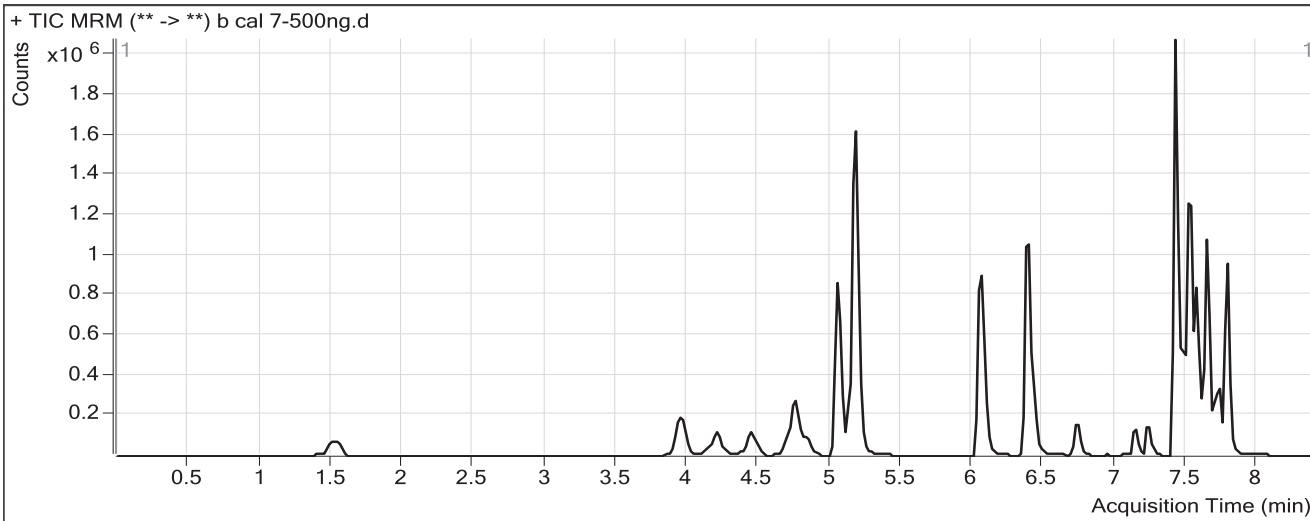
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2018 Data\05172018 mdq\QuantResults\05172018 AM 28 MDQp1b.batch.bin  
**Analysis Time** 5/29/2018 8:54 AM **Analyst Name** ISP Tox  
**Report Time** 5/29/2018 8:55 AM **Reporter Name** ISP Tox  
**Last Calib Update** 5/29/2018 8:54 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-05-17 19:51 **Data File** b cal 7-500ng.d  
**Sample Type** Calibration **Sample Name** b cal 7-500ng  
**Dilution** 1 **Acq Method** Quant Panel 1b 10-2017.m  
**Position** P1-G1 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28 Panel 1

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.528	349067	27706	12.5991	499.1547
Dihydrocodeine	Dihydrocodeine-D6	3.955	605101	63141	9.5833	516.3670
Naloxone	Naloxone-D5	4.206	448374	53560	8.3714	511.3562
Noroxycodone	Noroxycodone-D3	4.459	312669	25408	12.3058	534.4088
Naltrexone	Naltrexone-D3	4.750	630500	57609	10.9445	512.4224
Naltrexol	Naltrexol-D3	5.049	2045484	162005	12.6260	507.6586
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.179	5059441	502891	10.0607	494.5808
Ketamine	Ketamine-D4	6.035	1959406	160727	12.1909	475.9811
Norfentanyl	Norfentanyl-D5	6.080	296577	281240	1.0545	48.5287
alpha-PVP	alpha-PVP-d8	6.407	2563172	206354	12.4213	501.7447
Norbuprenorphine	Norbuprenorphine-D3	7.052	4763	5119	0.9306	45.7703
Fentanyl	Fentanyl-D5	7.138	157628	140074	1.1253	47.6598
EDDP	EDDP-D3	7.229	302155	27065	11.1641	510.2351
Quetiapine	Quetiapine-D8	7.418	3121162	79267	39.3751	515.1380
Buprenorphine	Buprenorphine-D4	7.555	35827	28442	1.2597	52.3453
Cyclobenzaprine	Cyclobenzaprine-D3	7.492	607794	47659	12.7529	505.2260
Methadone	Methadone-D9	7.522	1613264	184133	8.7614	490.6921
Fluoxetine	Fluoxetine-D6	7.564	1329578	129000	10.3068	487.1968
Oxazepam	Oxazepam-D5	7.589	252488	22320	11.3122	499.1007
Sertraline	Sertraline-D3	7.625	319917	26702	11.9811	506.7342
Temazepam	Temazepam-D5	7.647	1635364	154628	10.5761	491.7175
Nordiazepam	Nordiazepam-D5	7.735	528962	31780	16.6445	481.1515
Diazepam	Diazepam-D5	7.790	1361363	109817	12.3967	480.0150

# ISP FORENSICS - Cd'A Instrument # 62340

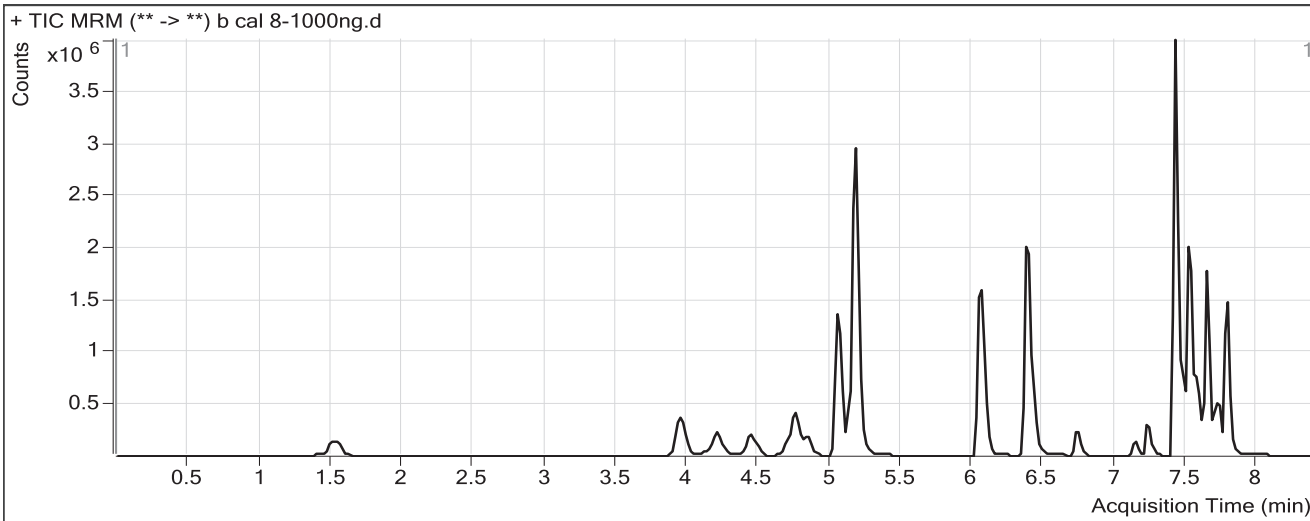
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2018 Data\05172018 mdq\QuantResults\05172018 AM 28 MDQp1b.batch.bin  
**Analysis Time** 5/29/2018 8:54 AM **Analyst Name** ISP Tox  
**Report Time** 5/29/2018 8:55 AM **Reporter Name** ISP Tox  
**Last Calib Update** 5/29/2018 8:54 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-05-17 20:16 **Data File** b cal 8-1000ng.d  
**Sample Type** Calibration **Sample Name** b cal 8-1000ng  
**Dilution** 1 **Acq Method** Quant Panel 1b 10-2017.m  
**Position** P1-H1 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28 Panel 1

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.548	696439	27612	25.2227	998.8371
Dihydrocodeine	Dihydrocodeine-D6	3.955	1159252	65371	17.7334	956.2773
Naloxone	Naloxone-D5	4.206	886483	54357	16.3085	994.8687
Noroxycodone	Noroxycodone-D3	4.459	584281	26802	21.8000	947.3221
Naltrexone	Naltrexone-D3	4.750	1040484	49773	20.9045	978.9560
Naltrexol	Naltrexol-D3	5.049	3545585	148437	23.8861	961.5132
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.179	9634853	476468	20.2214	994.7851
Ketamine	Ketamine-D4	6.035	3867991	159285	24.2834	947.9855
Norfentanyl	Norfentanyl-D5	6.080	602432	270138	2.2301	102.1116
alpha-PVP	alpha-PVP-d8	6.386	4790316	203158	23.5793	952.2585
Norbuprenorphine	Norbuprenorphine-D3	7.052	7807	3749	2.0822	102.4527
Fentanyl	Fentanyl-D5	7.138	199417	81704	2.4407	103.2786
EDDP	EDDP-D3	7.229	642293	29743	21.5946	986.9313
Quetiapine	Quetiapine-D8	7.418	6578681	87403	75.2688	984.7161
Buprenorphine	Buprenorphine-D4	7.555	39095	19200	2.0362	84.6676
Cyclobenzaprine	Cyclobenzaprine-D3	7.492	768502	25873	29.7025	1175.0958
Methadone	Methadone-D9	7.502	2574573	143091	17.9926	1006.9380
Fluoxetine	Fluoxetine-D6	7.564	1262454	59300	21.2892	1007.0597
Oxazepam	Oxazepam-D5	7.589	454075	8899	51.0257	2249.5895
Sertraline	Sertraline-D3	7.625	277939	11258	24.6885	1042.3303
Temazepam	Temazepam-D5	7.647	2820623	128988	21.8673	1015.7408
Nordiazepam	Nordiazepam-D5	7.735	826434	23548	35.0959	1013.8872
Diazepam	Diazepam-D5	7.790	2384035	92034	25.9038	1002.7042