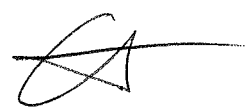


**Worklist: 2732**

<u>LAB_CASE</u>	<u>ITEM</u>	<u>TASK_ID</u>	<u>DESCRIPTION</u>	
C2018-1932	1	129033	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
C2018-1948	1	129034	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
C2018-1960	1	129035	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
C2018-1971	1	129036	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
C2018-1997	1	129037	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
C2018-2018	1	129038	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
C2018-2019	1	129039	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
M2018-4737	1	129040	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
M2018-4791	1	129041	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
M2018-4824	1	129042	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
M2018-4825	1	129043	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
M2018-4826	1	129044	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
M2018-4826	2	129045	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
M2018-4826	3	129046	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
M2018-4836	1	129047	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
M2018-4919	1	129048	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-2797	1	129049	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-2844	1	129053	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-2845	1	129052	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-2846	1	129051	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-2847	1	129050	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	



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

Extraction Date: 10/10/18  
Plate lot#: 0530563

Analyst: Anne Nord  
Plate Expiration: May 21 2019

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

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

**Blank Blood Lot:** 18G207D7

**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:

## 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.  
Batch Name: *101018 mdq pla mdq. plb mdq*
- 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? See comments. Add Control data to QC tracking spreadsheet.
- 6. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports.

COMMENTS: Limited curves: 6mam – 1-100 amphetamine 10-500, lorazepam 10-100, Norhydrocodone 25-500, metoprolol 5-500, benzoylcegonine 10-250, buprenorphine 1-50 diazepam 10-1000, mitragynine 5-250, norfentanyl 2.5-100, Norbuprenorphine 2.5-100  
Diphenhydramine- evaluated qualitatively – external control just below 20% expected response.



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  
 ppd 10/10/18 Exp 3/19/19 by AMN Concentration 50 ng/ml each lot 101018

# ISP FORENSICS - Cd'A Instrument # 62340

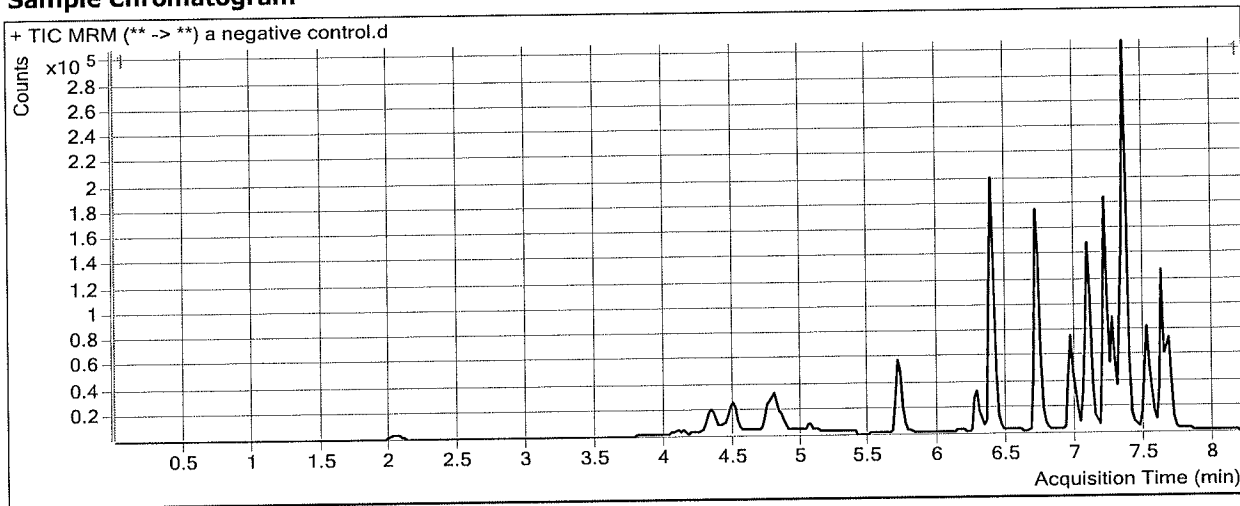
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2018 Data\101018 mdq\QuantResults\mdq p1a.batch.bin  
**Analysis Time** 10/11/2018 9:49 AM **Analyst Name** ISP Tox  
**Report Time** 10/11/2018 10:28 AM **Reporter Name** ISP Tox  
**Last Calib Update** 10/11/2018 9:49 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-10-10 17:04 **Data File** a negative control.d  
**Sample Type** Sample **Sample Name** a negative control  
**Dilution** 1 **Acq Method** a1 mdq 618.m  
**Position** P2-E2 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28 Panel 1, negative

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Carisoprodol	Carisoprodol-D7	7.635	11462	223796	0.0512	3.8723 <i>LS</i>

# ISP FORENSICS - Cd'A Instrument # 62340

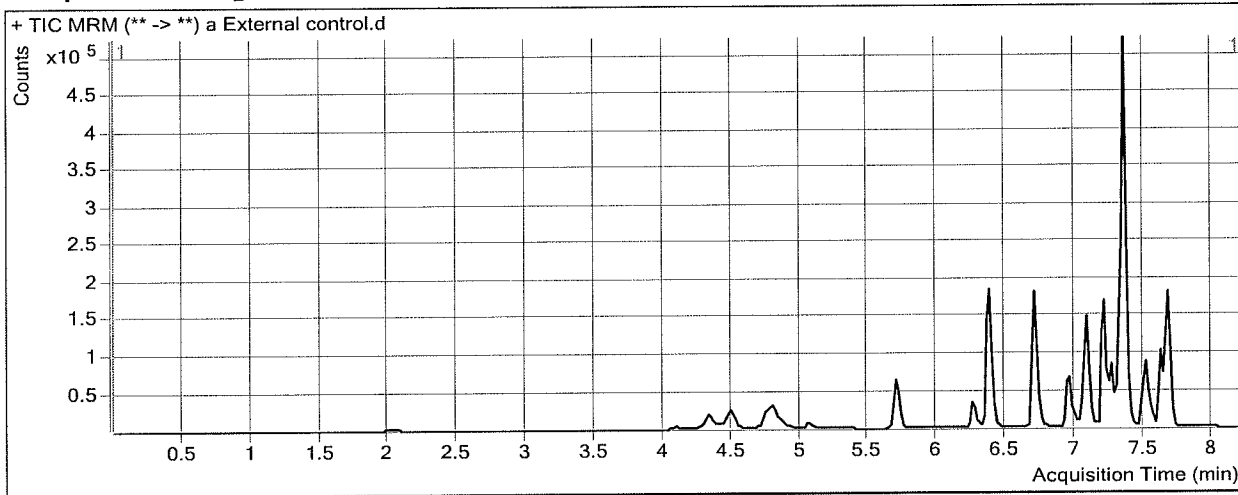
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2018 Data\101018 mdq\QuantResults\mdq p1a.batch.bin  
**Analysis Time** 10/11/2018 9:49 AM **Analyst Name** ISP Tox  
**Report Time** 10/11/2018 10:28 AM **Reporter Name** ISP Tox  
**Last Calib Update** 10/11/2018 9:49 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-10-10 17:30 **Data File** a External control.d  
**Sample Type** Sample **Sample Name** a External control  
**Dilution** 1 **Acq Method** a1 mdq 618.m  
**Position** P2-F2 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28; external control p1

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Diphenhydramine	Diphenhydramine-D3	7.352	416412	491248	0.8477	39.9773
Lorazepam	Clonazepam-D4	7.643	44015	31459	1.3991	48.6444
Alprazolam	Alprazolam-D5	7.667	119372	114944	1.0385	41.3898

# ISP FORENSICS - Cd'A Instrument # 62340

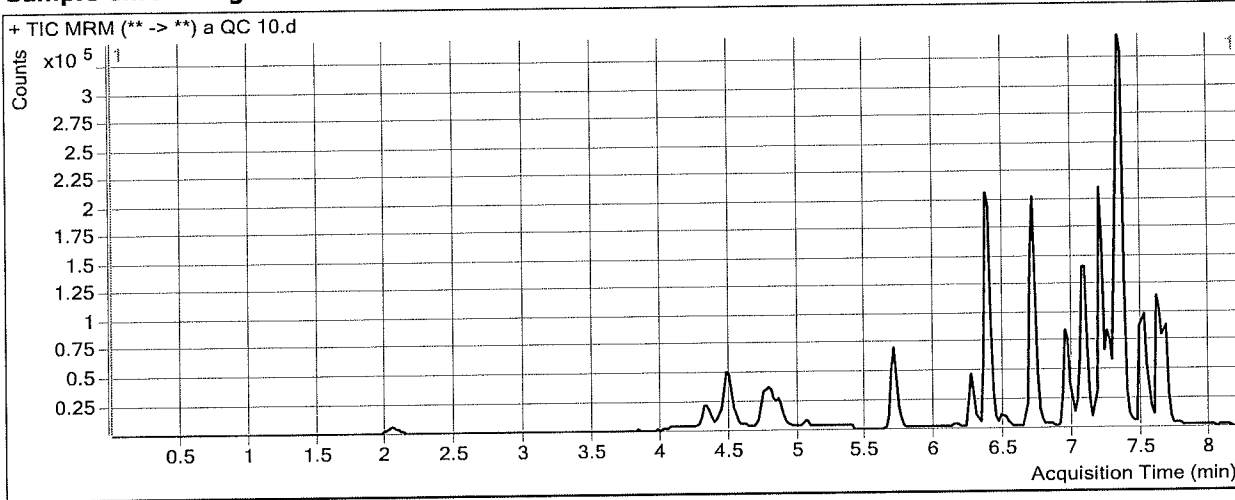
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2018 Data\101018 mdq\QuantResults\mdq p1a.batch.bin  
**Analysis Time** 10/11/2018 9:49 AM **Analyst Name** ISP Tox  
**Report Time** 10/11/2018 10:28 AM **Reporter Name** ISP Tox  
**Last Calib Update** 10/11/2018 9:49 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-10-10 17:55 **Data File** a QC 10.d  
**Sample Type** QC **Sample Name** a QC 10  
**Dilution** 1 **Acq Method** a1 mdq 618.m  
**Position** P2-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
Morphine	Morphine-D6	1.348	1467	1609	0.9118	10.5586
Hydromorphone	Hydromorphone-D6	2.069	6707	24315	0.2758	9.6869
Codeine	Codeine-D6	4.154	2957	13078	0.2261	9.5730
Amphetamine	Amphetamine-D11	4.483	95125	95842	0.9925	9.6687
Oxycodone	Oxycodone-D6	4.529	16728	86916	0.1925	9.3550
Hydrocodone	Hydrocodone-D6	4.834	10990	71089	0.1546	8.7040
Methamphetamine	Methamphetamine-D11	4.881	33410	107101	0.3119	9.0561
Norhydrocodone	Norhydrocodone-D3	4.878	907	26903	0.0337	<del>20.3689</del> ★
6-MAM	6-MAM-D6	5.069	414	16885	0.0245	1.0858
Phentermine	Phentermine-D5	5.746	15775	234899	0.0672	10.5513
Dextrophan	Dextrophan-D3	6.267	12905	105625	0.1222	9.5119
7-aminoclonazepam	7-Aminoclonazepam-D4	6.372	19068	75431	0.2528	10.6396
Tramadol	Tramadol-13C-D3	6.381	102249	490987	0.2083	10.3656
Metoprolol	Oxycodone-D6	6.477	14549	86916	0.1674	10.4671
Doxylamine	Doxylamine-D5	6.723	98373	512855	0.1918	9.5832
Bupropion	Bupropion-D9	6.971	47931	219982	0.2179	9.7190
Meprobamate	Meprobamate-D7	7.073	13659	86518	0.1579	11.2212
Zolpidem	Zolpidem-D6	7.082	58799	350500	0.1678	9.5890
Venlafaxine	Venlafaxine-D6	7.185	96459	448489	0.2151	10.3429
Trazodone	Trazodone-D6	7.276	44442	212162	0.2095	10.5630
Citalopram	Citalopram-D6	7.318	58599	293343	0.1998	9.8515
Dextromethorphan	Dextromethorphan-D3	7.329	11847	58525	0.2024	10.7189
Diphenhydramine	Diphenhydramine-D3	7.352	93336	544637	0.1714	8.5123

★ outside curve range

ISP FORENSICS - Cd'A Instrument # 62340 a QC10  
Multi-Drug Confirmatory Analysis Report

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Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Promethazine	Promethazine-D3	7.507	36227	222864	0.1626	9.8379
Clonazepam	Clonazepam-D4	7.543	16767	30854	0.5434	8.4460
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.601	4849	23614	0.2054	10.0421
Carisoprodol	Carisoprodol-D7	7.635	31588	213742	0.1478	9.6201
Lorazepam	Clonazepam-D4	7.643	10655	30854	0.3453	8.2828
Alprazolam	Alprazolam-D5	7.667	27855	121660	0.2290	9.9336



# ISP FORENSICS - Cd'A Instrument # 62340

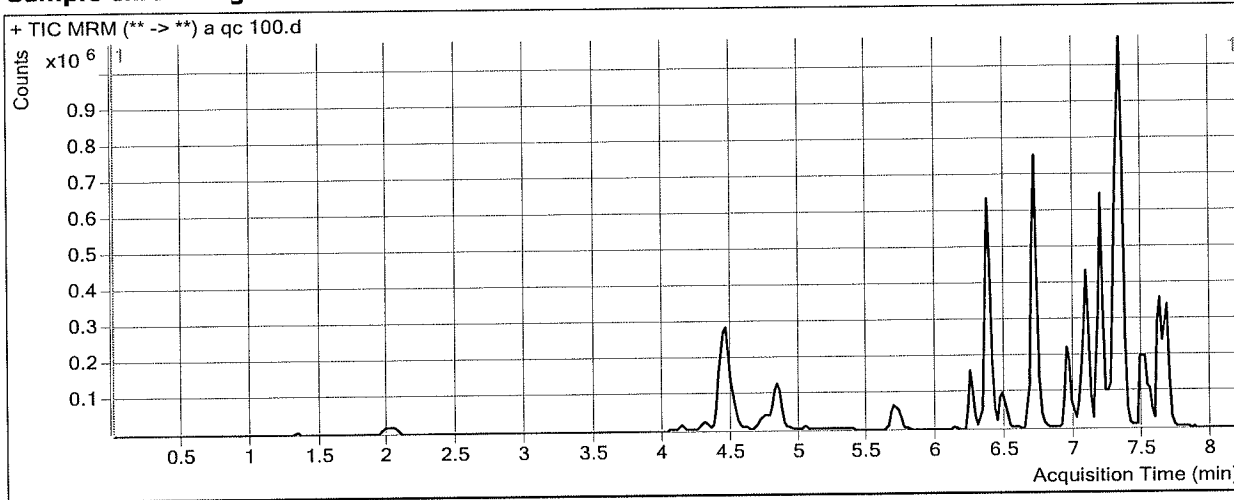
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	D:\2018 Data\101018 mdq\QuantResults\mdq p1a.batch.bin		
<b>Analysis Time</b>	10/11/2018 9:49 AM	<b>Analyst Name</b>	ISP Tox
<b>Report Time</b>	10/11/2018 10:28 AM	<b>Reporter Name</b>	ISP Tox
<b>Last Calib Update</b>	10/11/2018 9:49 AM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2018-10-10 21:44	<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>	a1 mdq 618.m
<b>Position</b>	P2-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	1.328	14728	1727	8.5267	91.9229
Hydromorphone	Hydromorphone-D6	2.009	73042	24593	2.9701	99.2846
Codeine	Codeine-D6	4.134	33629	13704	2.4539	86.5092
Amphetamine	Amphetamine-D11	4.463	801456	91787	8.7317	108.9026
Oxycodone	Oxycodone-D6	4.509	189782	84817	2.2376	103.7509
Hydrocodone	Hydrocodone-D6	4.814	127301	71132	1.7896	104.7282
Methamphetamine	Methamphetamine-D11	4.861	269240	94137	2.8601	101.1085
Norhydrocodone	Norhydrocodone-D3	4.858	10814	27351	0.3954	90.8631
6-MAM	6-MAM-D6	5.048	5048	18685	0.2702	9.4751
Phentermine	Phentermine-D5	5.726	146905	219780	0.6684	104.6951
Dextropropion	Dextropropion-D3	6.247	143071	102494	1.3959	100.3752
7-aminoclonazepam	7-Aminoclonazepam-D4	6.372	184700	72972	2.5311	106.2929
Tramadol	Tramadol-13C-D3	6.361	1101375	509644	2.1611	109.5840
Metoprolol	Oxycodone-D6	6.477	149588	84817	1.7637	111.6794
Doxylamine	Doxylamine-D5	6.702	1114468	533846	2.0876	103.0840
Bupropion	Bupropion-D9	6.951	374487	161959	2.3122	100.0177
Meprobamate	Meprobamate-D7	7.053	141366	84711	1.6688	114.6249
Zolpidem	Zolpidem-D6	7.082	665785	364974	1.8242	101.1441
Venlafaxine	Venlafaxine-D6	7.185	1054117	467021	2.2571	101.7426
Trazodone	Trazodone-D6	7.276	482547	226540	2.1301	103.2913
Citalopram	Citalopram-D6	7.298	540232	259607	2.0810	96.2140
Dextromethorphan	Dextromethorphan-D3	7.329	119899	55137	2.1745	95.8558
Diphenhydramine	Diphenhydramine-D3	7.332	1045803	492276	2.1244	99.3799

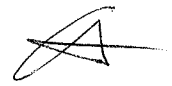


**ISP FORENSICS - Cd'A Instrument # 62340**  
**Multi-Drug Confirmatory Analysis Report**

a Qc100

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<b>Compound</b>	<b>ISTD Compound</b>	<b>RT</b>	<b>Response</b>	<b>ISTD Resp</b>	<b>Resp Ratio</b>	<b>Final Conc</b>
Promethazine	Promethazine-D3	7.507	311331	181966	1.7109	97.4862
Clonazepam	Clonazepam-D4	7.543	161460	24267	6.6534	98.6770
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.601	44997	20320	2.2144	101.5971
Carisoprodol	Carisoprodol-D7	7.635	311877	189929	1.6421	98.5568
Lorazepam	Clonazepam-D4	7.643	58452	24267	2.4087	87.3108
Alprazolam	Alprazolam-D5	7.667	274742	111719	2.4592	96.5922



# ISP FORENSICS - Cd'A Instrument # 62340

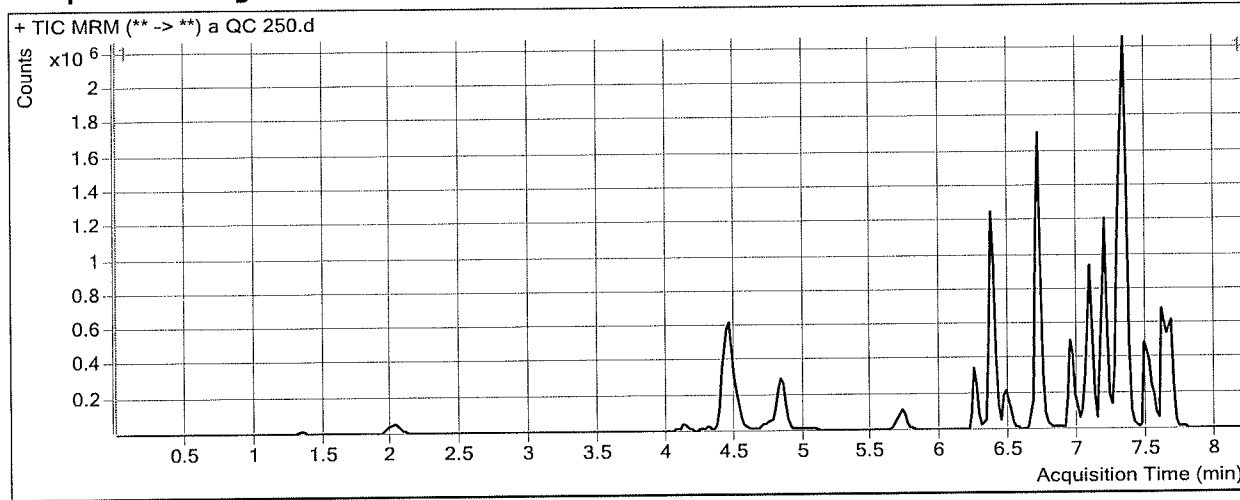
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2018 Data\101018 mdq\QuantResults\mdq p1a.batch.bin  
**Analysis Time** 10/11/2018 9:49 AM **Analyst Name** ISP Tox  
**Report Time** 10/11/2018 10:28 AM **Reporter Name** ISP Tox  
**Last Calib Update** 10/11/2018 9:49 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-10-11 00:03 **Data File** a QC 250.d  
**Sample Type** QC **Sample Name** a QC 250  
**Dilution** 1 **Acq Method** a1 mdq 618.m  
**Position** P2-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	1.348	38656	1884	20.5200	220.0701
Hydromorphone	Hydromorphone-D6	2.029	179355	23434	7.6537	255.0395
Codeine	Codeine-D6	4.134	85944	12336	6.9669	242.3655
Amphetamine	Amphetamine-D11	4.463	1675962	88959	18.8397	238.5112
Oxycodone	Oxycodone-D6	4.509	470499	83394	5.6419	260.8845
Hydrocodone	Hydrocodone-D6	4.814	321756	70497	4.5641	267.6712
Methamphetamine	Methamphetamine-D11	4.861	624564	91756	6.8068	243.6828
Norhydrocodone	Norhydrocodone-D3	4.858	31883	26359	1.2096	249.5554
6-MAM	6-MAM-D6	5.048	12265	18529	0.6619	22.8513
Phentermine	Phentermine-D5	5.726	357665	211224	1.6933	265.1698
Dextrorphan	Dextrorphan-D3	6.247	364326	103186	3.5308	252.6705
7-aminoclonazepam	7-Aminoclonazepam-D4	6.372	413186	68853	6.0010	251.9712
Tramadol	Tramadol-13C-D3	6.361	2594218	522562	4.9644	252.0163
Metoprolol	Oxycodone-D6	6.477	352699	83394	4.2293	268.0143
Doxylamine	Doxylamine-D5	6.702	2839399	538329	5.2745	260.2592
Bupropion	Bupropion-D9	6.951	977724	173696	5.6289	243.0186
Meprobamate	Meprobamate-D7	7.053	331693	79781	4.1575	284.9472
Zolpidem	Zolpidem-D6	7.082	1684137	354703	4.7480	262.7500
Venlafaxine	Venlafaxine-D6	7.185	2472386	450700	5.4857	246.2496
Trazodone	Trazodone-D6	7.276	1299028	250233	5.1913	251.0877
Citalopram	Citalopram-D6	7.298	1233931	241844	5.1022	234.9124
Dextromethorphan	Dextromethorphan-D3	7.329	303930	52016	5.8430	254.2243
Diphenhydramine	Diphenhydramine-D3	7.332	2662257	494457	5.3842	251.0439

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

*a QC 250*

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Promethazine	Promethazine-D3	7.487	845893	192837	4.3866	248.9454
Clonazepam	Clonazepam-D4	7.543	322277	17713	18.1947	269.1169
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.601	94691	16880	5.6096	256.3199
Carisoprodol	Carisoprodol-D7	7.635	734991	166840	4.4054	263.0218
Lorazepam	Clonazepam-D4	7.643	96369	17713	5.4407	<del>203.4399</del> * *
Alprazolam	Alprazolam-D5	7.667	640405	101099	6.3344	247.1658

*\* outside curve range*



# ISP FORENSICS - Cd'A Instrument # 62340

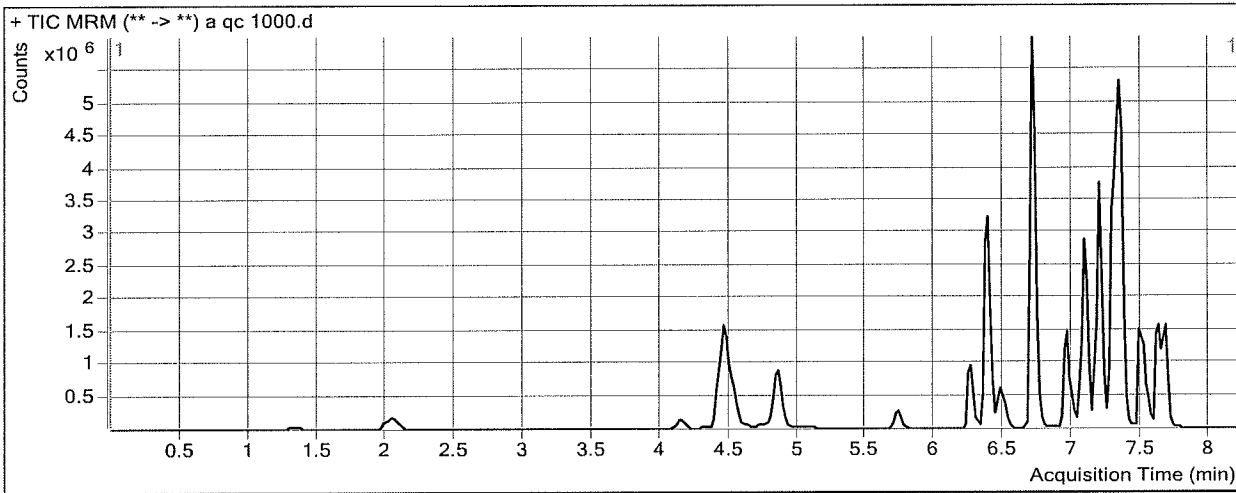
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2018 Data\101018 mdq\QuantResults\mdq p1a.batch.bin  
**Analysis Time** 10/11/2018 9:49 AM **Analyst Name** ISP Tox  
**Report Time** 10/11/2018 10:28 AM **Reporter Name** ISP Tox  
**Last Calib Update** 10/11/2018 9:49 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-10-11 02:22 **Data File** a qc 1000.d  
**Sample Type** QC **Sample Name** a qc 1000  
**Dilution** 1 **Acq Method** a1 mdq 618.m  
**Position** P2-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	1.348	140179	1855	75.5768	808.3472
Hydromorphone	Hydromorphone-D6	2.049	723382	21719	33.3068	1108.1320
Codeine	Codeine-D6	4.154	302779	9678	31.2857	1082.2094
Amphetamine	Amphetamine-D11	4.463	4204765	73852	56.9349	<del>726.9784</del> ★ ↗
Oxycodone	Oxycodone-D6	4.529	1772680	81452	21.7634	1005.0112
Hydrocodone	Hydrocodone-D6	4.834	1146262	67656	16.9425	994.6425
Methamphetamine	Methamphetamine-D11	4.861	1794110	69727	25.7306	927.3116
Norhydrocodone	Norhydrocodone-D3	4.878	125358	20113	6.2326	<del>1228.5914</del> ★ ↗
6-MAM	6-MAM-D6	5.069	51082	17528	2.9143	99.7629
Phentermine	Phentermine-D5	5.746	1002392	167669	5.9784	936.1231
Dextrophan	Dextrophan-D3	6.267	1274353	87467	14.5695	1040.1388
7-aminoclonazepam	7-Aminoclonazepam-D4	6.372	1067189	50629	21.0785	884.9866
Tramadol	Tramadol-13C-D3	6.381	8479079	508239	16.6833	847.4252
Metoprolol	Oxycodone-D6	6.477	1039113	81452	12.7573	<del>808.7394</del> ★ ↗
Doxylamine	Doxylamine-D5	6.702	10903671	517527	21.0688	1039.2331
Bupropion	Bupropion-D9	6.971	2985599	129664	23.0256	993.0849
Meprobamate	Meprobamate-D7	7.053	961850	61288	15.6940	1074.4748
Zolpidem	Zolpidem-D6	7.082	6068012	338444	17.9291	991.2986
Venlafaxine	Venlafaxine-D6	7.185	8583498	398535	21.5376	964.7228
Trazodone	Trazodone-D6	7.276	4471762	285365	15.6703	757.0236
Citalopram	Citalopram-D6	7.298	3151872	145296	21.6927	996.5551
Dextromethorphan	Dextromethorphan-D3	7.329	925199	38799	23.8461	1031.4274
Diphenhydramine	Diphenhydramine-D3	7.352	8362544	394199	21.2140	987.5410

★ outside curve range

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

a QC 1000

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Promethazine	Promethazine-D3	7.487	3149438	173396	18.1633	1028.7990
Clonazepam	Clonazepam-D4	7.543	638256	9628	66.2945	979.4484
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.601	257266	11327	22.7126	1035.7275
Carisoprodol	Carisoprodol-D7	7.635	1905531	107398	17.7427	1056.8336
Lorazepam	Clonazepam-D4	7.643	229513	9628	23.8390	<del>908.1118</del> * - *
Alprazolam	Alprazolam-D5	7.667	1761857	69249	25.4423	989.6170

\* outside curve range

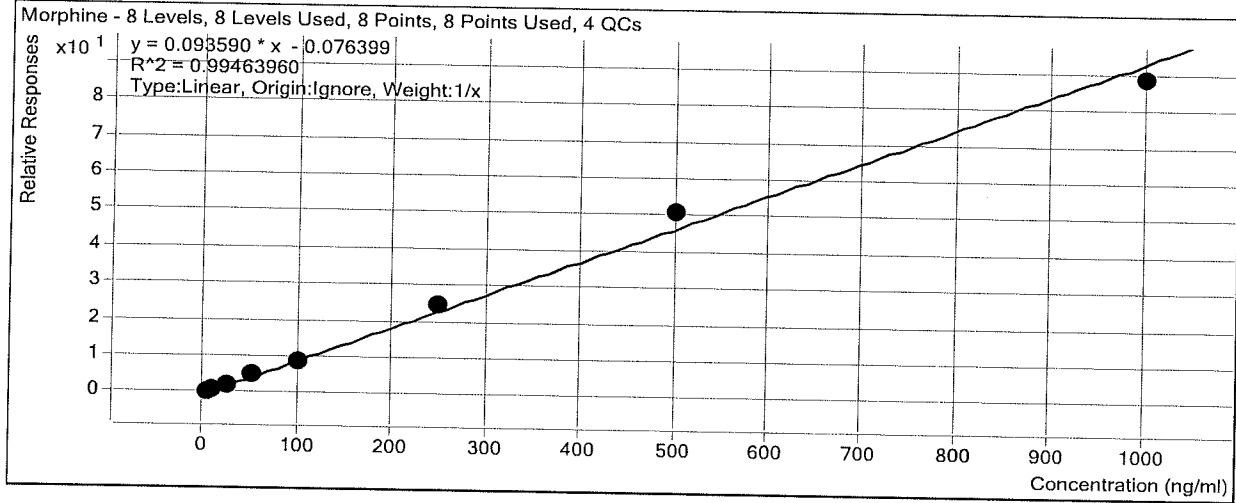
# ISP Forensics Calibration Curve Report

**Batch Data Path**  
**Last Calib Update**

D:\2018 Data\101018 mdq\QuantResults\mdq p1a.batch.bin  
10/11/2018 9:49 AM

**Analyst Name**      ISP TOX

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

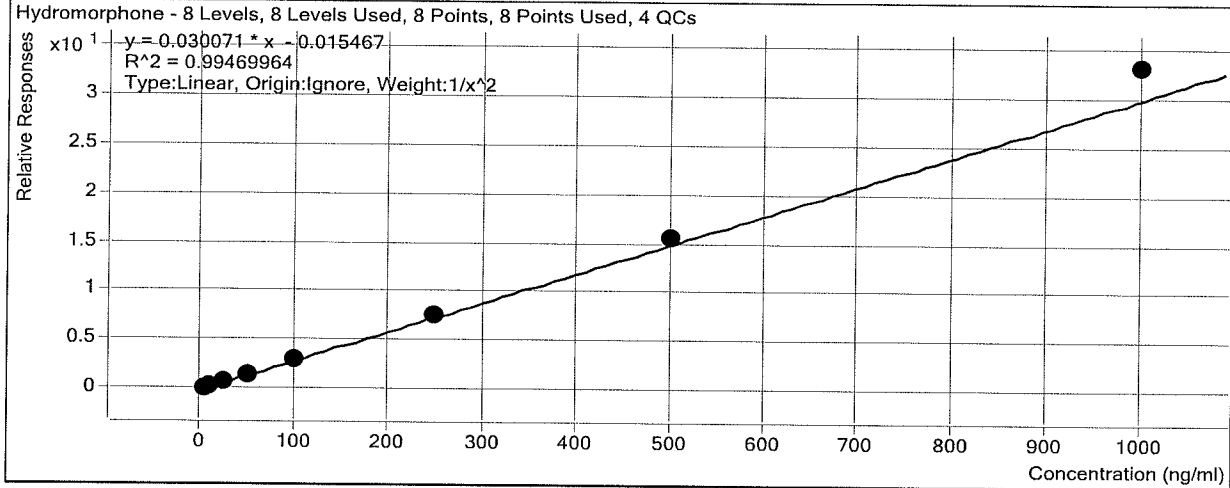


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.5	109.5
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.5	94.9
a QC 10	2	<input checked="" type="checkbox"/>	10	10.6	105.6
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.0	87.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	53.2	106.4
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	91.3	91.3
a qc 100	5	<input checked="" type="checkbox"/>	100	91.9	91.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	264.9	105.9
a QC 250	6	<input checked="" type="checkbox"/>	250	220.1	88.0
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	547.0	109.4
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	946.7	94.7
a qc 1000	8	<input checked="" type="checkbox"/>	1000	808.3	80.8

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2018 Data\101018 mdq\QuantResults\mdq p1a.batch.bin  
**Last Calib Update** 10/11/2018 9:49 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	103.5
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	98.2
a QC 10	2	<input checked="" type="checkbox"/>	10	9.7	96.9
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.6	90.2
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.9	93.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.8	97.8
a qc 100	5	<input checked="" type="checkbox"/>	100	99.3	99.3
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	254.5	101.8
a QC 250	6	<input checked="" type="checkbox"/>	250	255.0	102.0
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	522.6	104.5
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1101.7	110.2
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1108.1	110.8

# ISP Forensics Calibration Curve Report

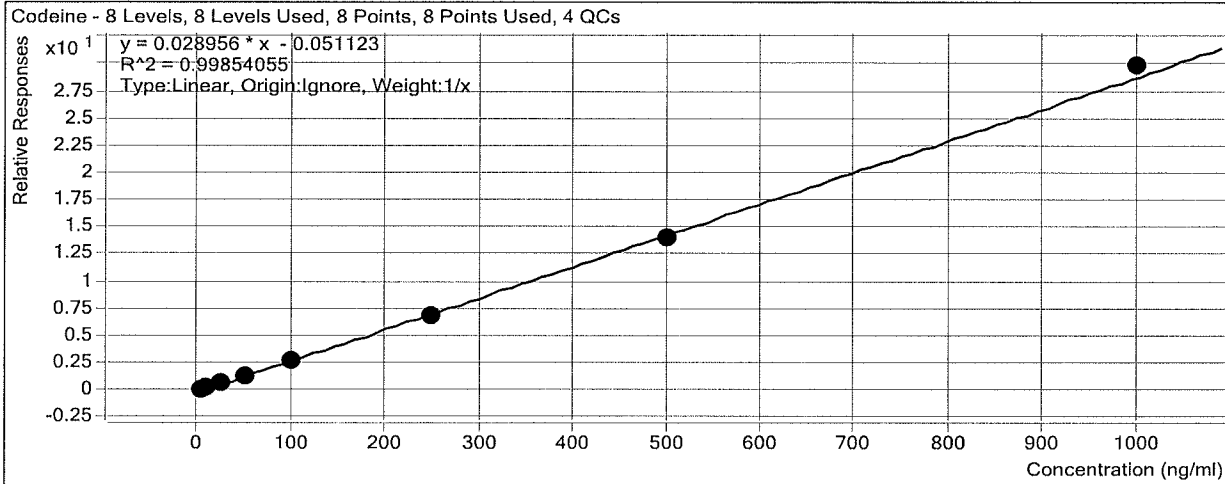
**Batch Data Path**  
**Last Calib Update**

D:\2018 Data\101018 mdq\QuantResults\mdq p1a.batch.bin  
10/11/2018 9:49 AM

**Analyst Name**                      ISP TOX

**Target Compound**  
**Internal Standard**

Codeine  
Codeine-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	6.3	125.6
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.5	95.4
a QC 10	2	<input checked="" type="checkbox"/>	10	9.6	95.7
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.2	92.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.9	95.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	93.3	93.3
a qc 100	5	<input checked="" type="checkbox"/>	100	86.5	86.5
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	240.1	96.0
a QC 250	6	<input checked="" type="checkbox"/>	250	242.4	96.9
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	488.9	97.8
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1030.7	103.1
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1082.2	108.2



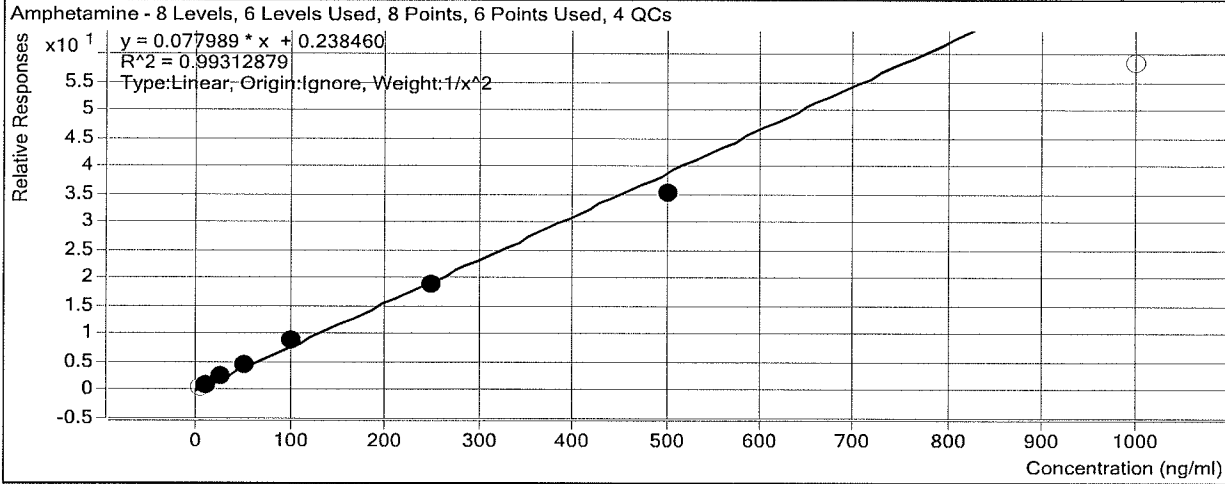
# ISP Forensics Calibration Curve Report

**Batch Data Path**  
**Last Calib Update**

D:\2018 Data\101018 mdq\QuantResults\mdq p1a.batch.bin  
10/11/2018 9:49 AM

**Analyst Name**                      ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input type="checkbox"/>	5	4.4	87.5
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	96.7
a QC 10	2	<input checked="" type="checkbox"/>	10	9.7	96.7
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.2	105.0
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.1	104.1
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	108.4	108.4
a qc 100	5	<input checked="" type="checkbox"/>	100	108.9	108.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	238.6	95.5
a QC 250	6	<input checked="" type="checkbox"/>	250	238.5	95.4
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	451.5	90.3
a cal 8-1000ng	8	<input type="checkbox"/>	1000	745.5	74.6
a qc 1000	8	<input checked="" type="checkbox"/>	1000	727.0	72.7

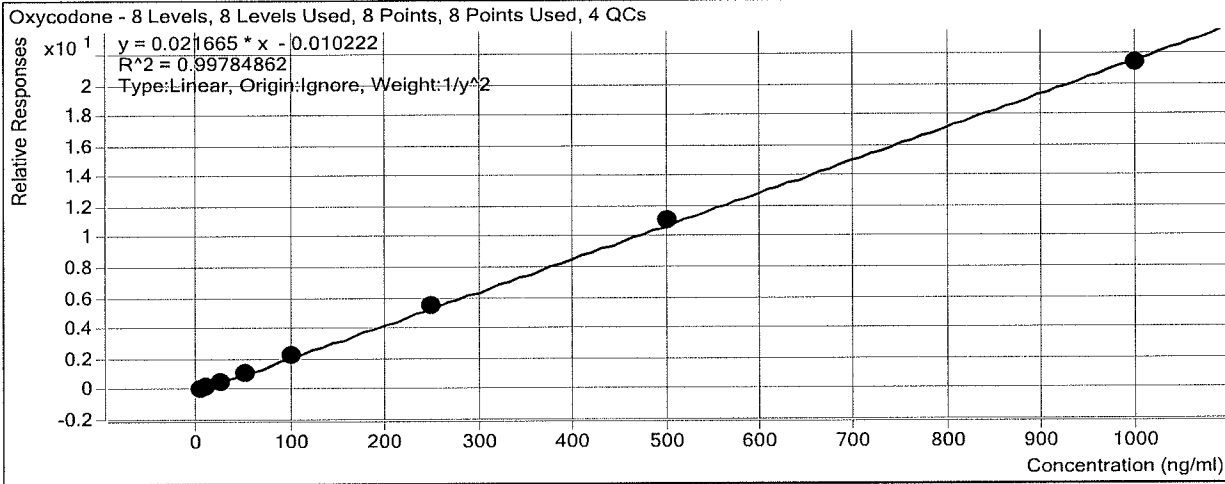
# ISP Forensics Calibration Curve Report

**Batch Data Path**  
**Last Calib Update**

D:\2018 Data\101018 mdq\QuantResults\mdq p1a.batch.bin  
10/11/2018 9:49 AM

**Analyst Name**                      ISP TOX

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

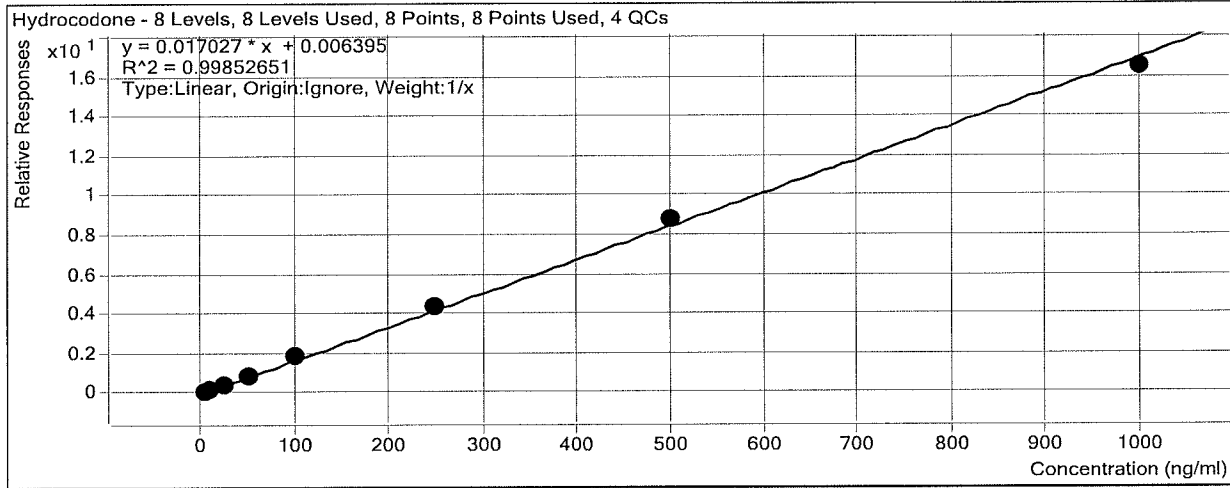


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.6
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.2	101.8
a QC 10	2	<input checked="" type="checkbox"/>	10	9.4	93.6
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.0	92.2
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.9	99.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	105.1	105.1
a qc 100	5	<input checked="" type="checkbox"/>	100	103.8	103.8
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	253.0	101.2
a QC 250	6	<input checked="" type="checkbox"/>	250	260.9	104.4
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	515.3	103.1
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	985.5	98.6
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1005.0	100.5

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2018 Data\101018 mdq\QuantResults\mdq p1a.batch.bin  
**Last Calib Update** 10/11/2018 9:49 AM **Analyst Name** ISP TOX

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

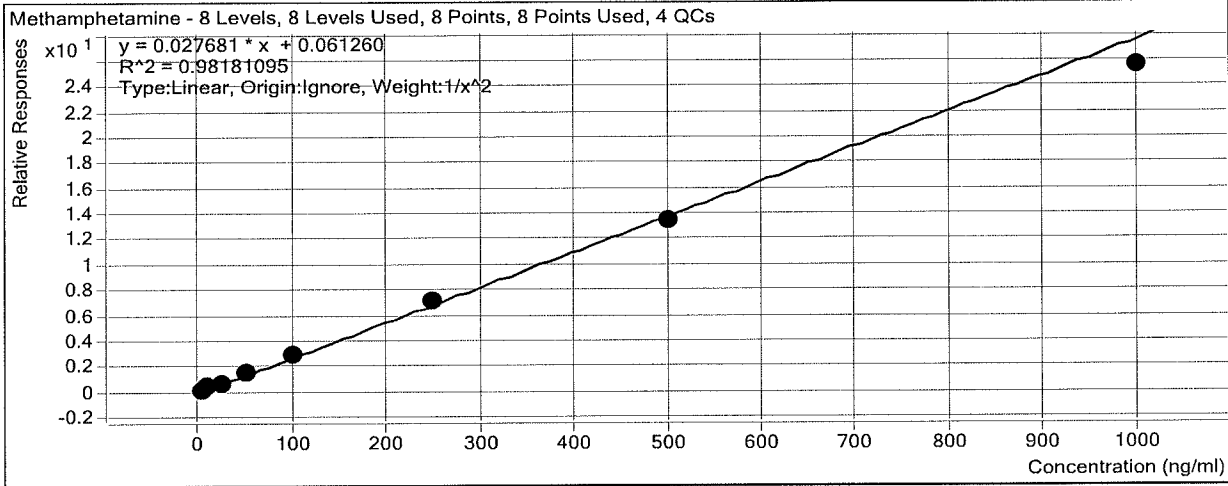


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.5	90.4
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	100.4
a QC 10	2	<input checked="" type="checkbox"/>	10	8.7	87.0
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.0	95.8
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.7	103.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	106.5	106.5
a qc 100	5	<input checked="" type="checkbox"/>	100	104.7	104.7
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	257.7	103.1
a QC 250	6	<input checked="" type="checkbox"/>	250	267.7	107.1
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	518.8	103.8
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	966.8	96.7
a qc 1000	8	<input checked="" type="checkbox"/>	1000	994.6	99.5

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2018 Data\101018 mdq\QuantResults\mdq p1a.batch.bin  
**Last Calib Update** 10/11/2018 9:49 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.5	89.8
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	12.4	124.3
a QC 10	2	<input checked="" type="checkbox"/>	10	9.1	90.6
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	21.8	87.0
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.6	105.1
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.1	103.1
a qc 100	5	<input checked="" type="checkbox"/>	100	101.1	101.1
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	255.0	102.0
a QC 250	6	<input checked="" type="checkbox"/>	250	243.7	97.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	482.9	96.6
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	920.9	92.1
a qc 1000	8	<input checked="" type="checkbox"/>	1000	927.3	92.7

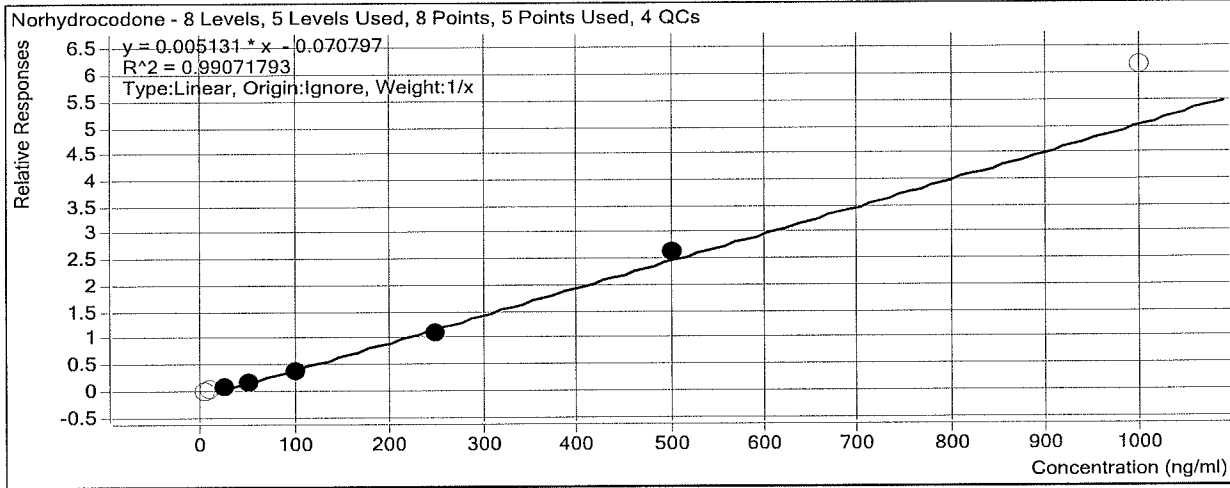
# ISP Forensics Calibration Curve Report

**Batch Data Path**  
**Last Calib Update**

D:\2018 Data\101018 mdq\QuantResults\mdq p1a.batch.bin  
10/11/2018 9:49 AM

**Analyst Name**      ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input type="checkbox"/>	5	16.2	324.7
a cal 2-10ng	2	<input type="checkbox"/>	10	20.0	200.3
a QC 10	2	<input type="checkbox"/>	10	20.4	203.7
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	28.6	114.5
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.8	99.5
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	88.8	88.8
a qc 100	5	<input checked="" type="checkbox"/>	100	90.9	90.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	227.7	91.1
a QC 250	6	<input checked="" type="checkbox"/>	250	249.6	99.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	530.1	106.0
a cal 8-1000ng	8	<input type="checkbox"/>	1000	1214.0	121.4
a qc 1000	8	<input type="checkbox"/>	1000	1228.6	122.9

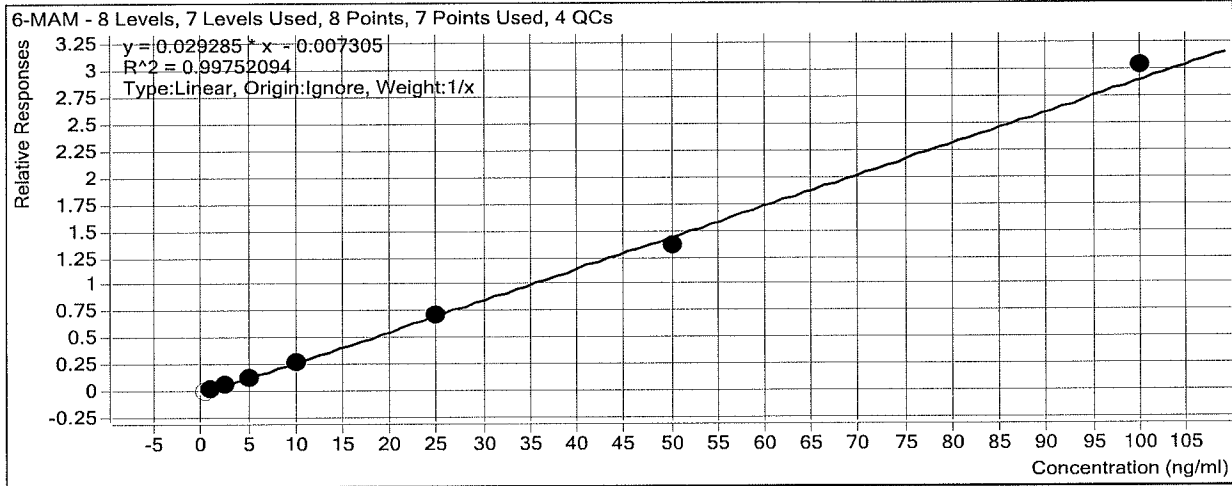
# ISP Forensics Calibration Curve Report

**Batch Data Path**  
**Last Calib Update**

D:\2018 Data\101018 mdq\QuantResults\mdq p1a.batch.bin  
10/11/2018 9:49 AM

**Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input type="checkbox"/>	0.5	0.6	121.0
a cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.2	117.5
a QC 10	2	<input checked="" type="checkbox"/>	1	1.1	108.6
a cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.3	92.4
a cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.9	98.1
a cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.5	95.4
a qc 100	5	<input checked="" type="checkbox"/>	10	9.5	94.8
a cal 6-250ng	6	<input checked="" type="checkbox"/>	25	24.7	98.8
a QC 250	6	<input checked="" type="checkbox"/>	25	22.9	91.4
a cal 7-500ng	7	<input checked="" type="checkbox"/>	50	46.9	93.9
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	103.9	103.9
a qc 1000	8	<input checked="" type="checkbox"/>	100	99.8	99.8

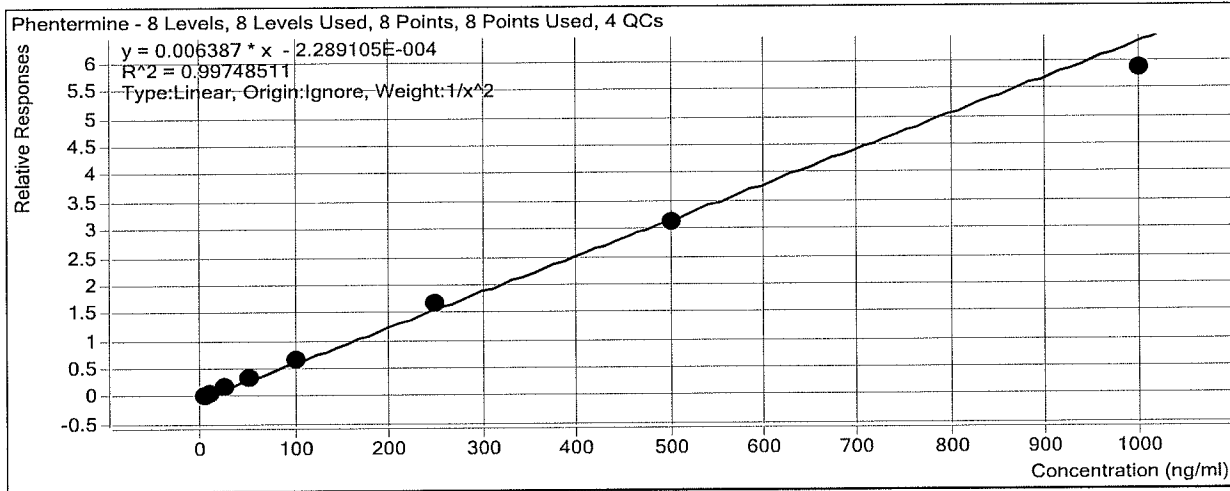
# ISP Forensics Calibration Curve Report

**Batch Data Path**  
**Last Calib Update**

D:\2018 Data\101018 mdq\QuantResults\mdq p1a.batch.bin  
10/11/2018 9:49 AM

**Analyst Name**                      ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	99.8
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	99.6
a QC 10	2	<input checked="" type="checkbox"/>	10	10.6	105.5
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.6	98.4
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	53.1	106.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.2	102.2
a qc 100	5	<input checked="" type="checkbox"/>	100	104.7	104.7
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	259.6	103.9
a QC 250	6	<input checked="" type="checkbox"/>	250	265.2	106.1
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	490.5	98.1
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	918.1	91.8
a qc 1000	8	<input checked="" type="checkbox"/>	1000	936.1	93.6

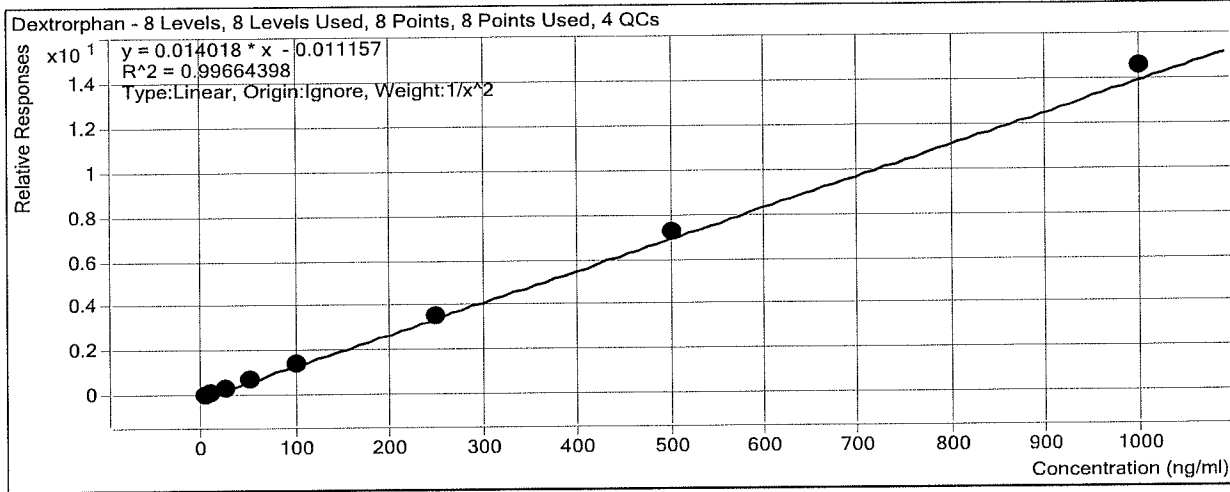
# ISP Forensics Calibration Curve Report

**Batch Data Path**  
**Last Calib Update**

D:\2018 Data\101018 mdq\QuantResults\mdq p1a.batch.bin  
10/11/2018 9:49 AM

**Analyst Name**      ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	104.3
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.5	94.7
a QC 10	2	<input checked="" type="checkbox"/>	10	9.5	95.1
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.5	90.2
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.1	102.1
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.6	99.6
a qc 100	5	<input checked="" type="checkbox"/>	100	100.4	100.4
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	254.6	101.8
a QC 250	6	<input checked="" type="checkbox"/>	250	252.7	101.1
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	516.2	103.2
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1039.3	103.9
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1040.1	104.0



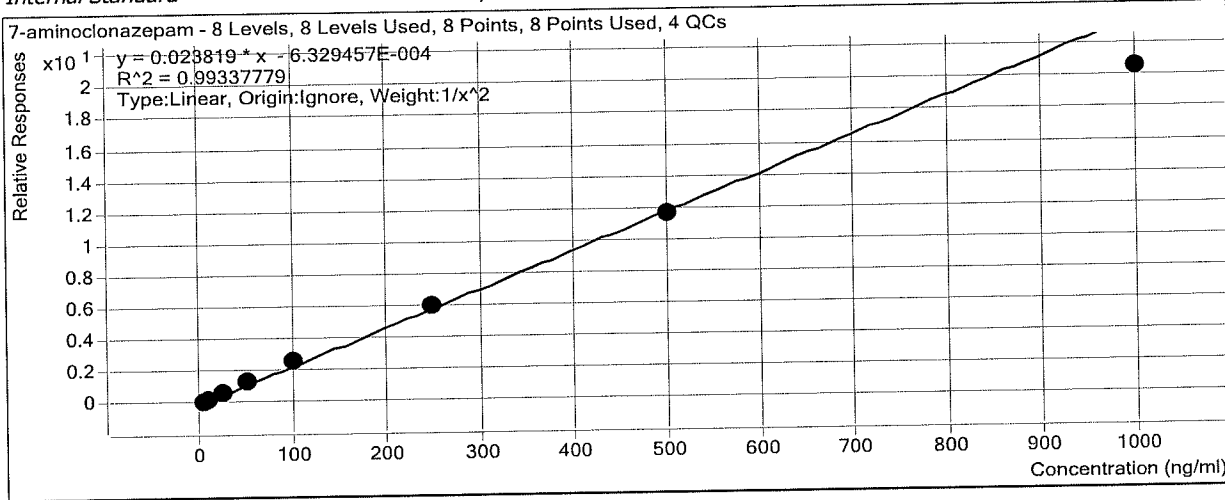
# ISP Forensics Calibration Curve Report

**Batch Data Path**  
**Last Calib Update**

D:\2018 Data\101018 mdq\QuantResults\mdq p1a.batch.bin  
10/11/2018 9:49 AM

**Analyst Name**      ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	99.1
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	99.9
a QC 10	2	<input checked="" type="checkbox"/>	10	10.6	106.4
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.6	98.4
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	55.1	110.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	107.3	107.3
a qc 100	5	<input checked="" type="checkbox"/>	100	106.3	106.3
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	250.2	100.1
a QC 250	6	<input checked="" type="checkbox"/>	250	252.0	100.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	493.2	98.6
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	863.2	86.3
a qc 1000	8	<input checked="" type="checkbox"/>	1000	885.0	88.5

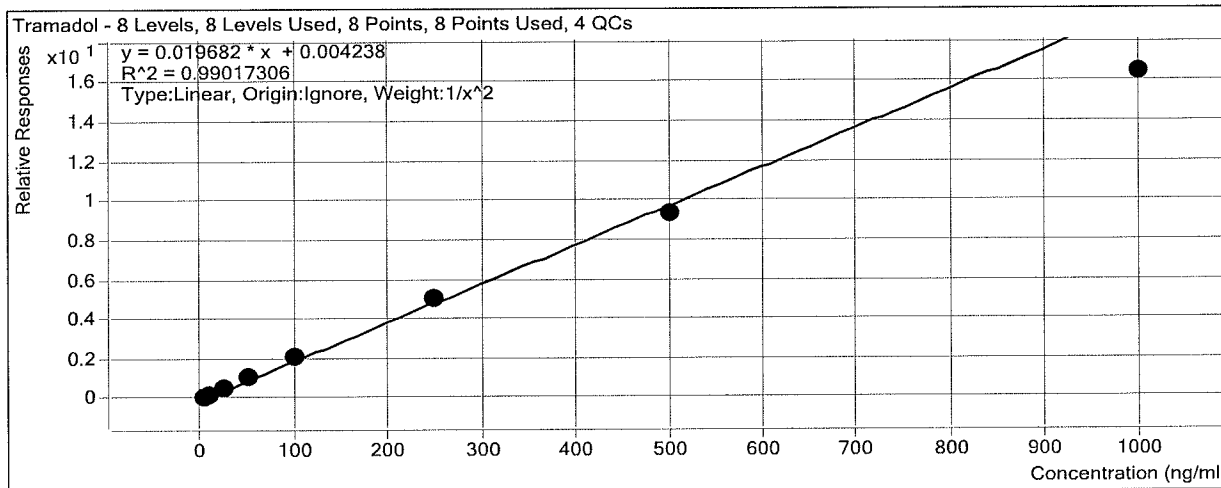
# ISP Forensics Calibration Curve Report

**Batch Data Path**  
**Last Calib Update**

D:\2018 Data\101018 mdq\QuantResults\mdq p1a.batch.bin  
10/11/2018 9:49 AM

**Analyst Name**      ISP TOX

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

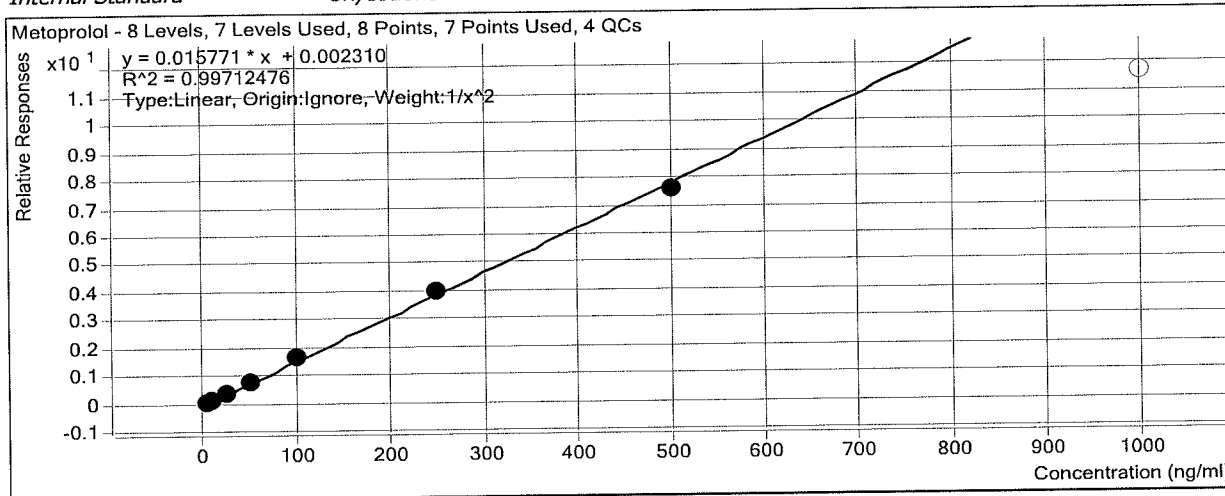


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.9	98.2
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	100.0
a QC 10	2	<input checked="" type="checkbox"/>	10	10.4	103.7
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.3	101.1
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	56.6	113.1
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	106.5	106.5
a qc 100	5	<input checked="" type="checkbox"/>	100	109.6	109.6
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	256.8	102.7
a QC 250	6	<input checked="" type="checkbox"/>	250	252.0	100.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	473.8	94.8
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	835.8	83.6
a qc 1000	8	<input checked="" type="checkbox"/>	1000	847.4	84.7

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2018 Data\101018 mdq\QuantResults\mdq p1a.batch.bin  
**Last Calib Update** 10/11/2018 9:49 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	103.0
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.5	94.6
a QC 10	2	<input checked="" type="checkbox"/>	10	10.5	104.7
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.9	95.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.2	102.4
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	106.7	106.7
a qc 100	5	<input checked="" type="checkbox"/>	100	111.7	111.7
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	253.3	101.3
a QC 250	6	<input checked="" type="checkbox"/>	250	268.0	107.2
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	482.0	96.4
a cal 8-1000ng	8	<input type="checkbox"/>	1000	740.3	74.0
a qc 1000	8	<input type="checkbox"/>	1000	808.7	80.9

# ISP Forensics Calibration Curve Report

**Batch Data Path**  
**Last Calib Update**

D:\2018 Data\101018 mdq\QuantResults\mdq p1a.batch.bin  
10/11/2018 9:49 AM

**Analyst Name**

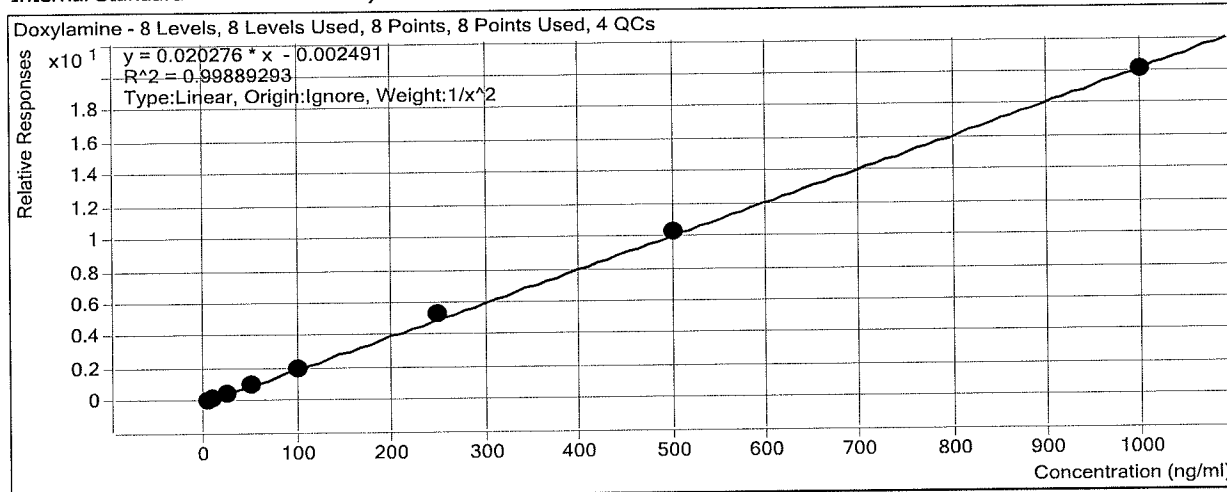
ISP TOX

**Target Compound**

*Doxylamine*

**Internal Standard**

*Doxylamine-D5*

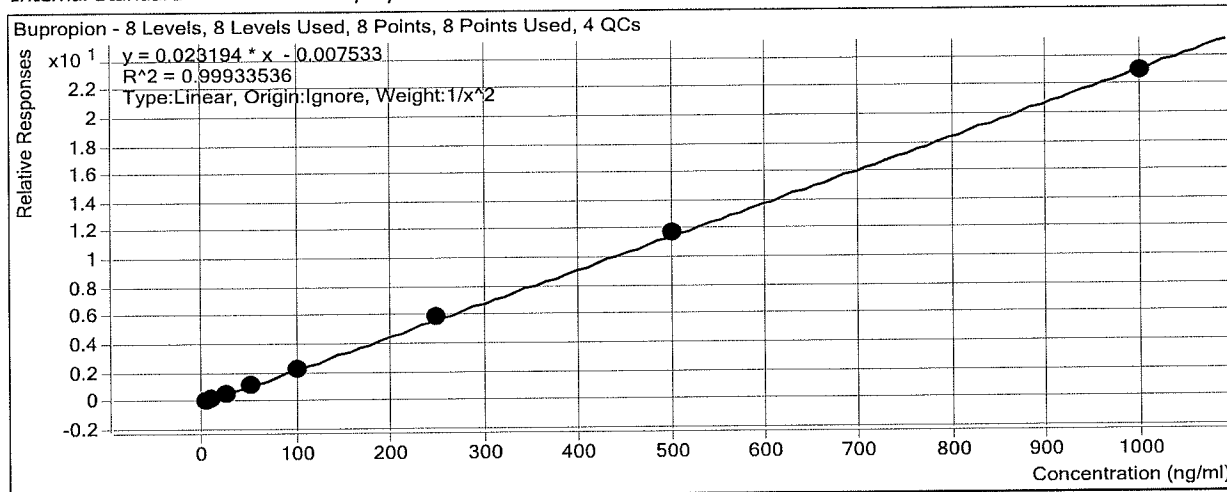


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.6
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	96.0
a QC 10	2	<input checked="" type="checkbox"/>	10	9.6	95.8
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.0	96.1
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.7	101.4
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.4	99.4
a qc 100	5	<input checked="" type="checkbox"/>	100	103.1	103.1
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	259.6	103.8
a QC 250	6	<input checked="" type="checkbox"/>	250	260.3	104.1
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	508.0	101.6
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	990.7	99.1
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1039.2	103.9

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2018 Data\101018 mdq\QuantResults\mdq p1a.batch.bin  
**Last Calib Update** 10/11/2018 9:49 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	101.7
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	97.6
a QC 10	2	<input checked="" type="checkbox"/>	10	9.7	97.2
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.2	96.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.8	101.6
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.1	99.1
a qc 100	5	<input checked="" type="checkbox"/>	100	100.0	100.0
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	256.9	102.8
a QC 250	6	<input checked="" type="checkbox"/>	250	243.0	97.2
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	508.5	101.7
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	988.8	98.9
a qc 1000	8	<input checked="" type="checkbox"/>	1000	993.1	99.3

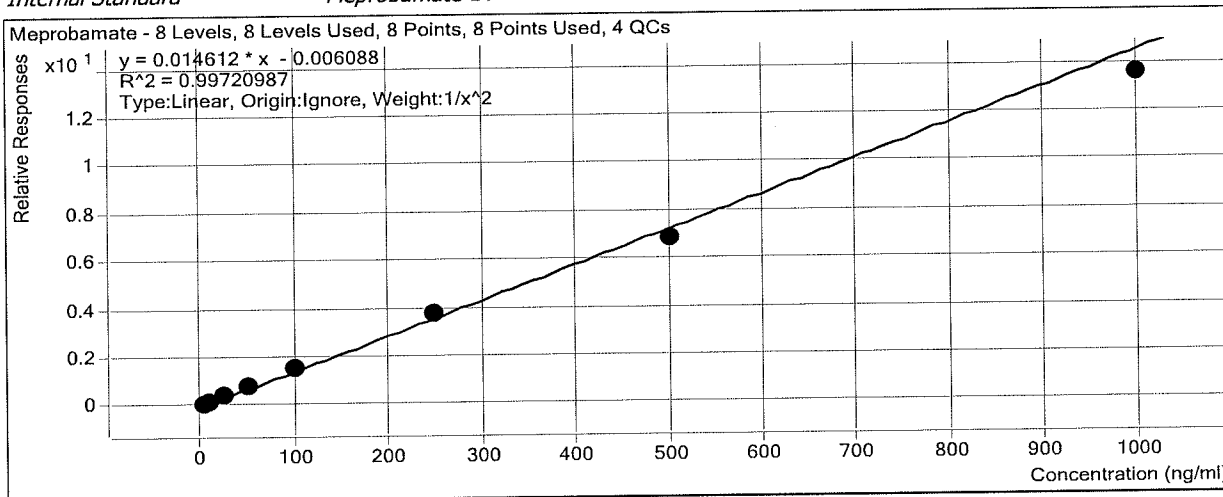
# ISP Forensics Calibration Curve Report

**Batch Data Path**  
**Last Calib Update**

D:\2018 Data\101018 mdq\QuantResults\mdq p1a.batch.bin  
10/11/2018 9:49 AM

**Analyst Name**      ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.9	98.1
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	101.1
a QC 10	2	<input checked="" type="checkbox"/>	10	11.2	112.2
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.1	104.3
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.8	103.5
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.9	101.9
a qc 100	5	<input checked="" type="checkbox"/>	100	114.6	114.6
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	260.8	104.3
a QC 250	6	<input checked="" type="checkbox"/>	250	284.9	114.0
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	469.5	93.9
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	927.9	92.8
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1074.5	107.4

# ISP Forensics Calibration Curve Report

**Batch Data Path**  
**Last Calib Update**

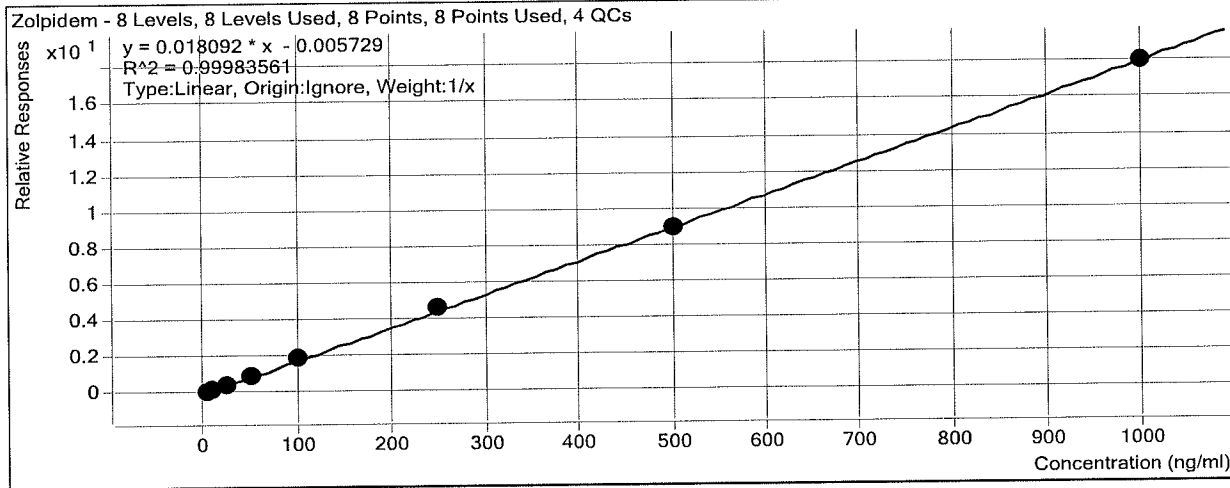
D:\2018 Data\101018 mdq\QuantResults\mdq p1a.batch.bin  
10/11/2018 9:49 AM

**Analyst Name**

ISP TOX

**Target Compound**  
**Internal Standard**

Zolpidem  
Zolpidem-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	9.6	96.4
a QC 10	2	<input checked="" type="checkbox"/>	10	9.6	95.9
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.4	97.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.5	101.0
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.8	103.8
a qc 100	5	<input checked="" type="checkbox"/>	100	101.1	101.1
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	254.3	101.7
a QC 250	6	<input checked="" type="checkbox"/>	250	262.8	105.1
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	497.5	99.5
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	994.8	99.5
a qc 1000	8	<input checked="" type="checkbox"/>	1000	991.3	99.1

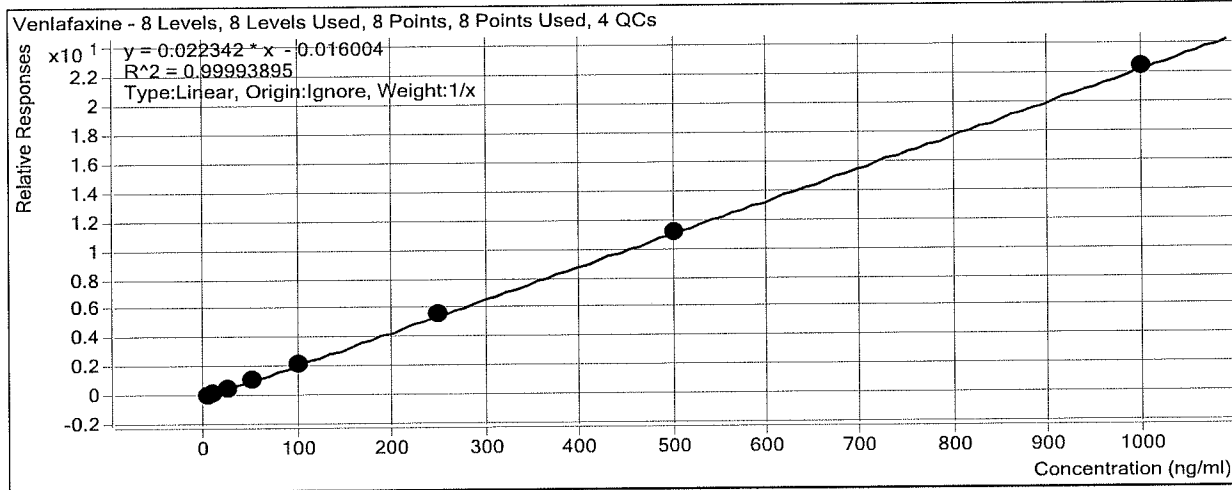
# ISP Forensics Calibration Curve Report

**Batch Data Path**  
**Last Calib Update**

D:\2018 Data\101018 mdq\QuantResults\mdq p1a.batch.bin  
10/11/2018 9:49 AM

**Analyst Name**      ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.3	105.6
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	100.3
a QC 10	2	<input checked="" type="checkbox"/>	10	10.3	103.4
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.0	95.8
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.9	99.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.1	98.1
a qc 100	5	<input checked="" type="checkbox"/>	100	101.7	101.7
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	250.4	100.2
a QC 250	6	<input checked="" type="checkbox"/>	250	246.2	98.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	499.2	99.8
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1003.1	100.3
a qc 1000	8	<input checked="" type="checkbox"/>	1000	964.7	96.5



# ISP Forensics Calibration Curve Report

**Batch Data Path**  
**Last Calib Update**

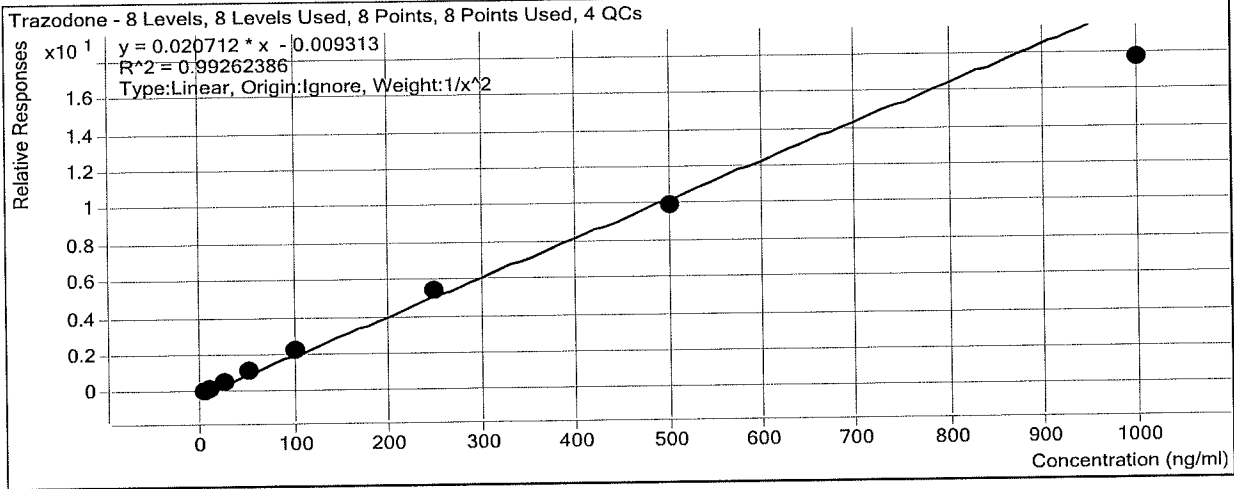
D:\2018 Data\101018 mdq\QuantResults\mdq p1a.batch.bin  
10/11/2018 9:49 AM

**Analyst Name**

ISP TOX

**Target Compound**  
**Internal Standard**

*Trazodone*  
*Trazodone-D6*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	99.1
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	99.6
a QC 10	2	<input checked="" type="checkbox"/>	10	10.6	105.6
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.9	99.5
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	53.8	107.5
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	109.1	109.1
a qc 100	5	<input checked="" type="checkbox"/>	100	103.3	103.3
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	260.8	104.3
a QC 250	6	<input checked="" type="checkbox"/>	250	251.1	100.4
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	477.0	95.4
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	854.6	85.5
a qc 1000	8	<input checked="" type="checkbox"/>	1000	757.0	75.7

# ISP Forensics Calibration Curve Report

**Batch Data Path**  
**Last Calib Update**

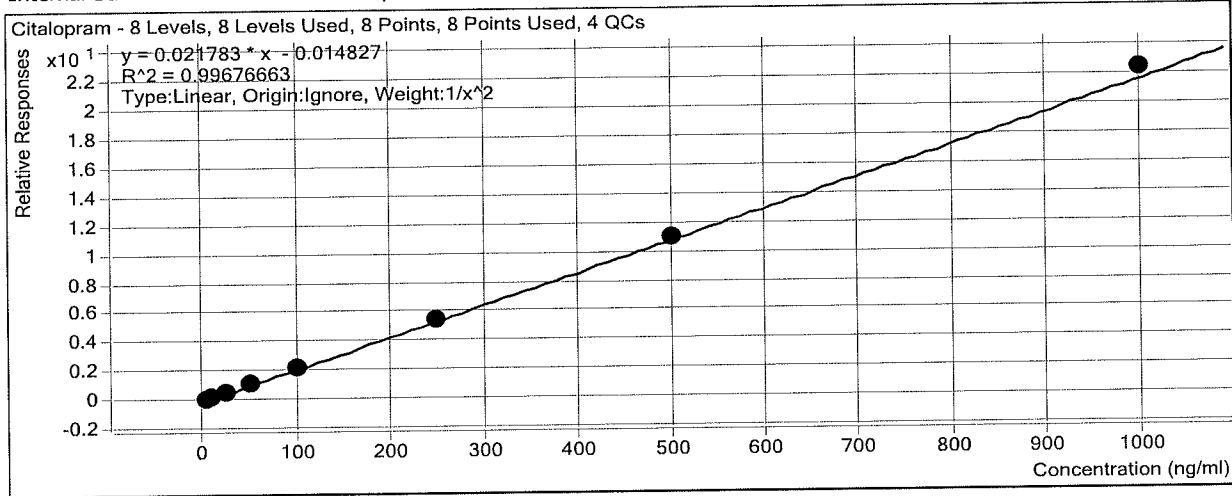
D:\2018 Data\101018 mdq\QuantResults\mdq p1a.batch.bin  
10/11/2018 9:49 AM

**Analyst Name**

ISP TOX

**Target Compound**  
**Internal Standard**

*Citalopram*  
*Citalopram-D6*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.3
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	98.7
a QC 10	2	<input checked="" type="checkbox"/>	10	9.9	98.5
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.2	88.8
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.5	105.1
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.8	99.8
a qc 100	5	<input checked="" type="checkbox"/>	100	96.2	96.2
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	251.0	100.4
a QC 250	6	<input checked="" type="checkbox"/>	250	234.9	94.0
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	509.2	101.8
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1030.3	103.0
a qc 1000	8	<input checked="" type="checkbox"/>	1000	996.6	99.7

# ISP Forensics Calibration Curve Report

**Batch Data Path**  
**Last Calib Update**

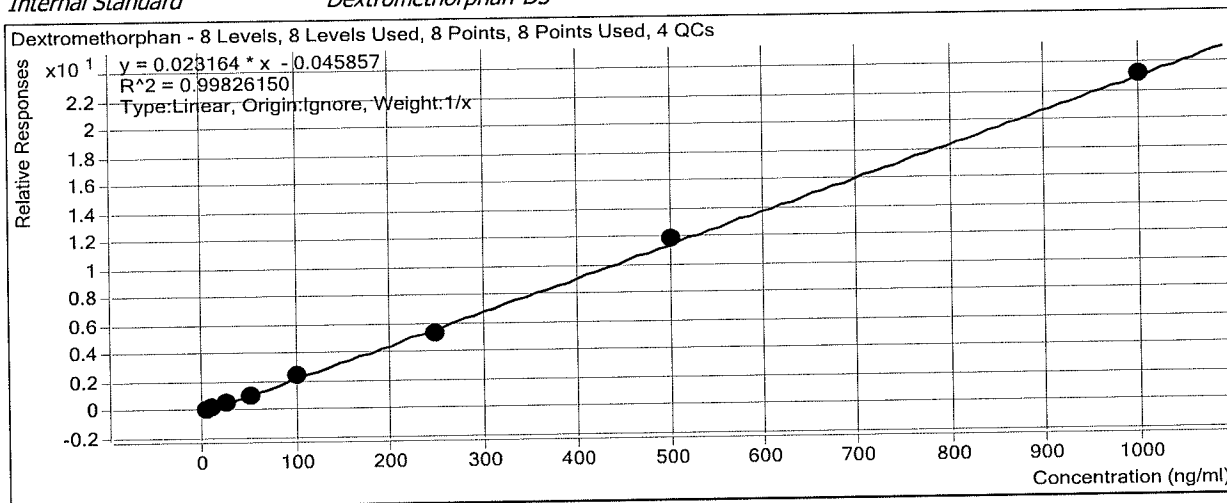
D:\2018 Data\101018 mdq\QuantResults\mdq p1a.batch.bin  
10/11/2018 9:49 AM

**Analyst Name**

ISP TOX

**Target Compound**  
*Internal Standard*

*Dextromethorphan*  
*Dextromethorphan-D3*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.8	115.2
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	97.0
a QC 10	2	<input checked="" type="checkbox"/>	10	10.7	107.2
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.7	90.8
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.7	93.4
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	108.2	108.2
a qc 100	5	<input checked="" type="checkbox"/>	100	95.9	95.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	231.1	92.4
a QC 250	6	<input checked="" type="checkbox"/>	250	254.2	101.7
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	514.4	102.9
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1001.4	100.1
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1031.4	103.1

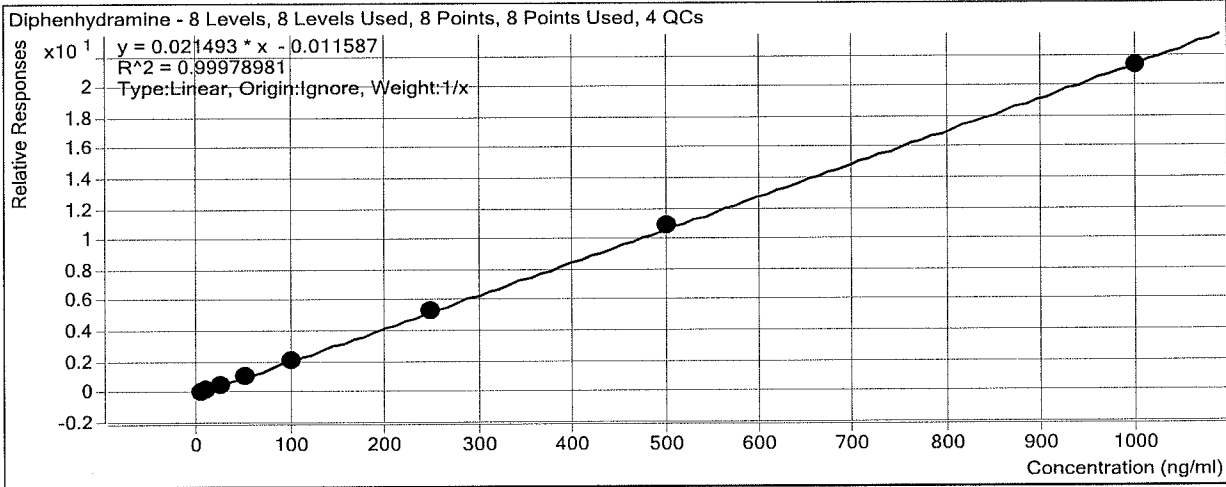
# ISP Forensics Calibration Curve Report

**Batch Data Path**  
**Last Calib Update**

D:\2018 Data\101018 mdq\QuantResults\mdq p1a.batch.bin  
10/11/2018 9:49 AM

**Analyst Name**      ISP TOX

**Target Compound**      *Diphenhydramine*  
**Internal Standard**      *Diphenhydramine-D3*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	101.3
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	101.3
a QC 10	2	<input checked="" type="checkbox"/>	10	8.5	85.1
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.2	96.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.6	101.2
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.2	98.2
a qc 100	5	<input checked="" type="checkbox"/>	100	99.4	99.4
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	249.8	99.9
a QC 250	6	<input checked="" type="checkbox"/>	250	251.0	100.4
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	510.7	102.1
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	991.3	99.1
a qc 1000	8	<input checked="" type="checkbox"/>	1000	987.5	98.8

# ISP Forensics Calibration Curve Report

**Batch Data Path**  
**Last Calib Update**

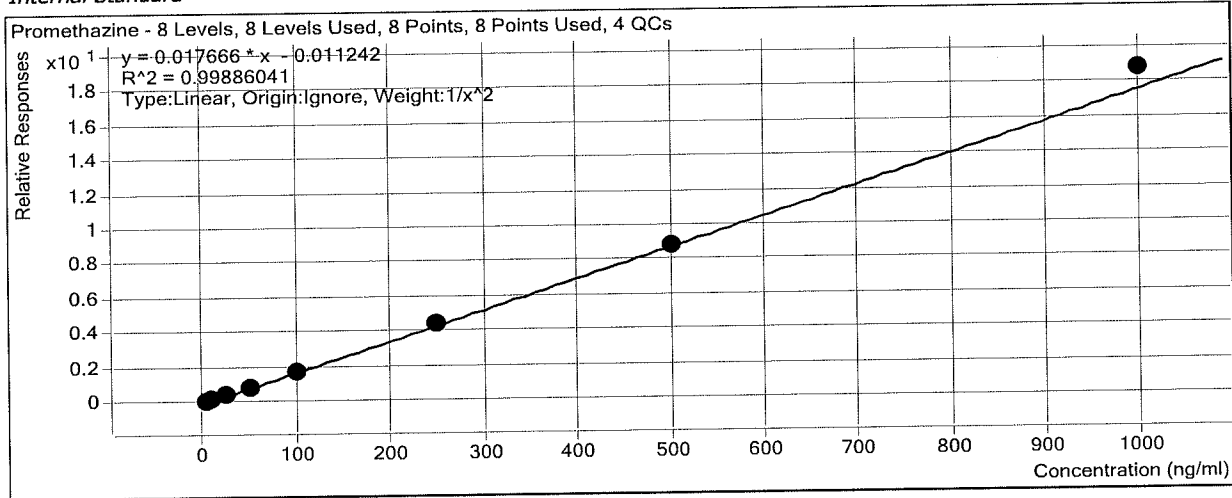
D:\2018 Data\101018 mdq\QuantResults\mdq p1a.batch.bin  
10/11/2018 9:49 AM

**Analyst Name**

ISP TOX

**Target Compound**  
**Internal Standard**

Promethazine  
Promethazine-D3



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	101.8
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	98.0
a QC 10	2	<input checked="" type="checkbox"/>	10	9.8	98.4
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.3	97.3
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.2	98.5
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.9	97.9
a qc 100	5	<input checked="" type="checkbox"/>	100	97.5	97.5
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	249.7	99.9
a QC 250	6	<input checked="" type="checkbox"/>	250	248.9	99.6
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	502.4	100.5
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1062.2	106.2
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1028.8	102.9

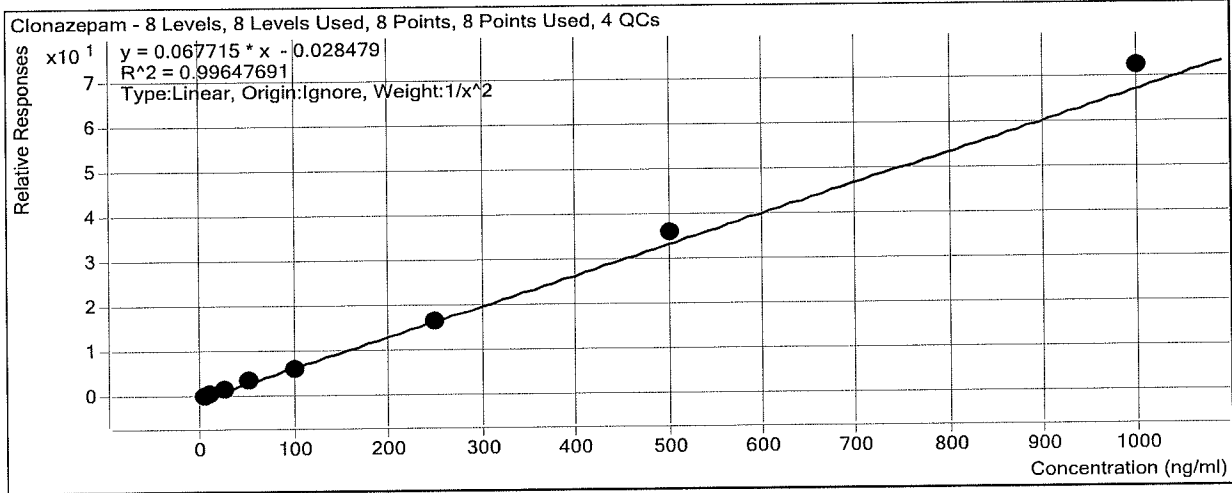
# ISP Forensics Calibration Curve Report

**Batch Data Path**  
**Last Calib Update**

D:\2018 Data\101018 mdq\QuantResults\mdq p1a.batch.bin  
10/11/2018 9:49 AM

**Analyst Name**      ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	101.3
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	99.7
a QC 10	2	<input checked="" type="checkbox"/>	10	8.4	84.5
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.0	95.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.0	100.0
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	92.2	92.2
a qc 100	5	<input checked="" type="checkbox"/>	100	98.7	98.7
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	242.5	97.0
a QC 250	6	<input checked="" type="checkbox"/>	250	269.1	107.6
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	534.9	107.0
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1069.6	107.0
a qc 1000	8	<input checked="" type="checkbox"/>	1000	979.4	97.9

# ISP Forensics Calibration Curve Report

**Batch Data Path**  
**Last Calib Update**

D:\2018 Data\101018 mdq\QuantResults\mdq p1a.batch.bin  
10/11/2018 9:49 AM

**Analyst Name**

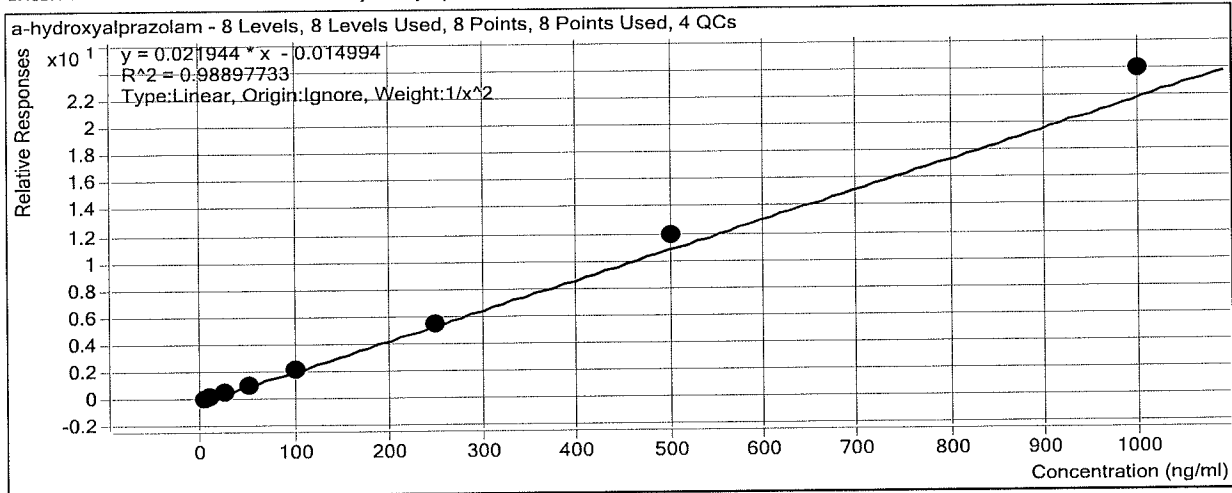
ISP TOX

**Target Compound**

*a-hydroxyalprazolam*

**Internal Standard**

*a-hydroxyalprazolam-D5*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.5	109.4
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	8.5	85.5
a QC 10	2	<input checked="" type="checkbox"/>	10	10.0	100.4
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.1	92.3
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	45.7	91.4
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.7	102.7
a qc 100	5	<input checked="" type="checkbox"/>	100	101.6	101.6
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	253.8	101.5
a QC 250	6	<input checked="" type="checkbox"/>	250	256.3	102.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	541.1	108.2
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1089.8	109.0
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1035.7	103.6

# ISP Forensics Calibration Curve Report

**Batch Data Path**  
**Last Calib Update**

D:\2018 Data\101018 mdq\QuantResults\mdq p1a.batch.bin  
10/11/2018 9:49 AM

**Analyst Name**

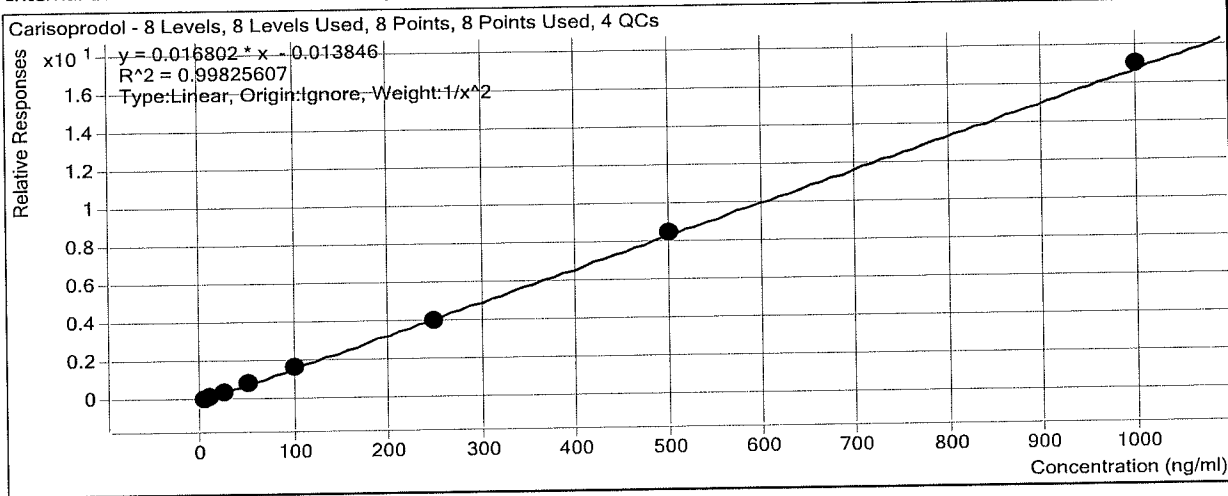
ISP TOX

**Target Compound**

*Carisoprodol*

**Internal Standard**

*Carisoprodol-D7*



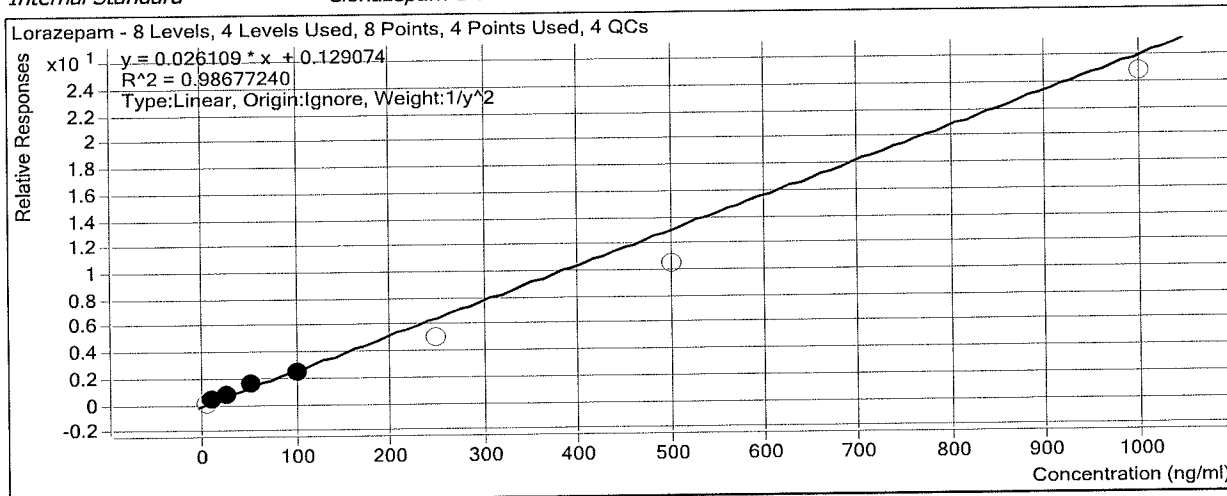
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.6
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	98.7
a QC 10	2	<input checked="" type="checkbox"/>	10	9.6	96.2
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.4	97.8
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	53.7	107.4
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.2	97.2
a qc 100	5	<input checked="" type="checkbox"/>	100	98.6	98.6
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	239.2	95.7
a QC 250	6	<input checked="" type="checkbox"/>	250	263.0	105.2
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	508.2	101.6
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1011.7	101.2
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1056.8	105.7



# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2018 Data\101018 mdq\QuantResults\mdq p1a.batch.bin  
**Last Calib Update** 10/11/2018 9:49 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input type="checkbox"/>	5	1.2	23.4
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	96.8
a QC 10	2	<input type="checkbox"/>	10	8.3	82.8
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.6	102.5
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	56.1	112.2
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	92.1	92.1
a qc 100	5	<input checked="" type="checkbox"/>	100	87.3	87.3
a cal 6-250ng	6	<input type="checkbox"/>	250	186.1	74.4
a QC 250	6	<input checked="" type="checkbox"/>	250	203.4	81.4
a cal 7-500ng	7	<input type="checkbox"/>	500	397.3	79.5
a cal 8-1000ng	8	<input type="checkbox"/>	1000	944.4	94.4
a qc 1000	8	<input type="checkbox"/>	1000	908.1	90.8

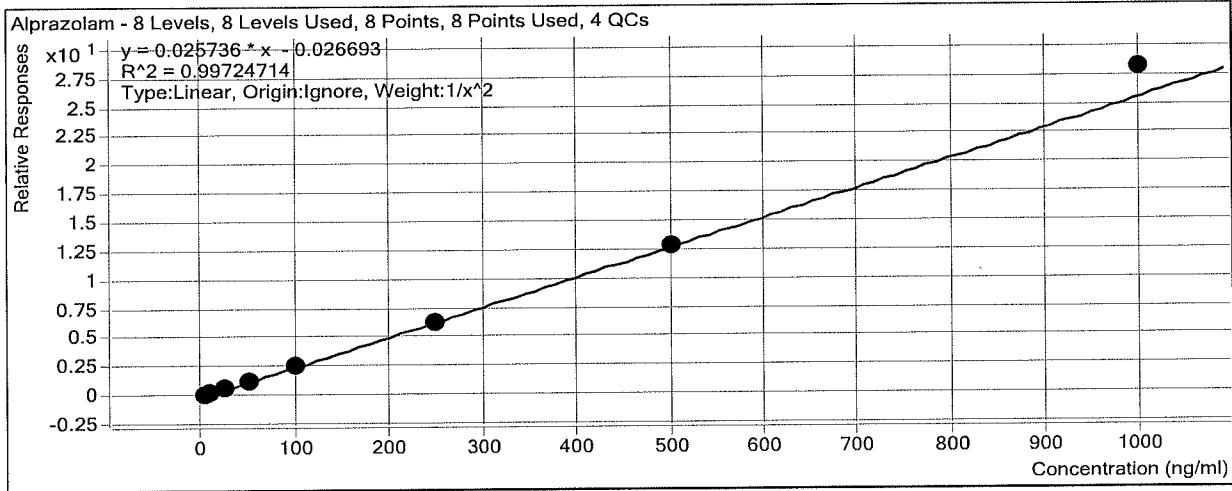
# ISP Forensics Calibration Curve Report

**Batch Data Path**  
**Last Calib Update**

D:\2018 Data\101018 mdq\QuantResults\mdq p1a.batch.bin  
10/11/2018 9:49 AM

**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	5.1	102.7
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	96.6
a QC 10	2	<input checked="" type="checkbox"/>	10	9.9	99.3
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.8	95.2
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.6	101.2
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	96.6	96.6
a qc 100	5	<input checked="" type="checkbox"/>	100	96.6	96.6
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	247.1	98.8
a QC 250	6	<input checked="" type="checkbox"/>	250	247.2	98.9
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	497.6	99.5
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1094.3	109.4
a qc 1000	8	<input checked="" type="checkbox"/>	1000	989.6	99.0

# ISP FORENSICS - Cd'A Instrument # 62340

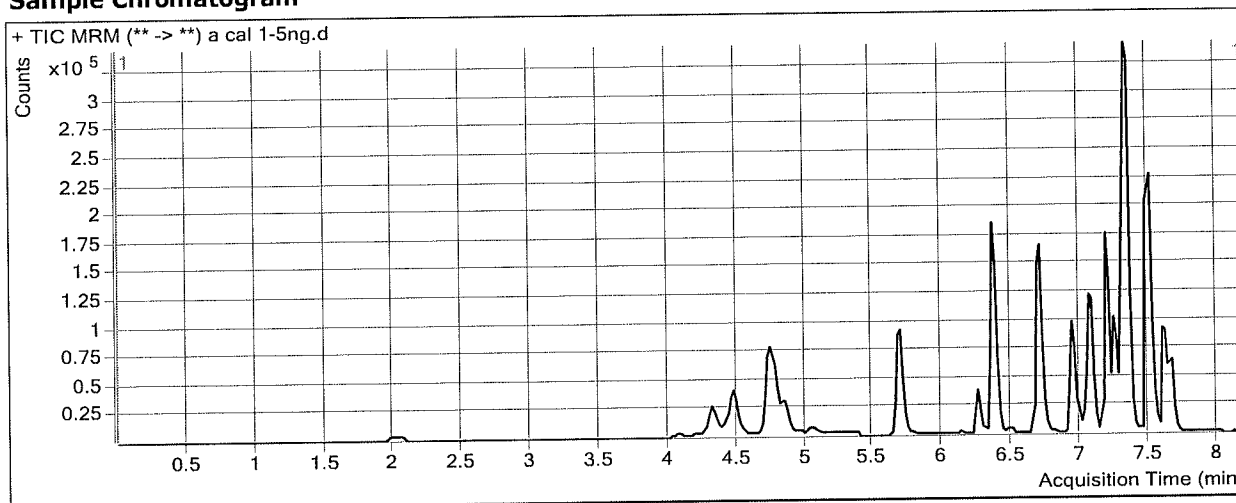
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2018 Data\101018 mdq\QuantResults\mdq p1a.batch.bin  
**Analysis Time** 10/11/2018 9:49 AM **Analyst Name** ISP Tox  
**Report Time** 10/11/2018 10:28 AM **Reporter Name** ISP Tox  
**Last Calib Update** 10/11/2018 9:49 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-10-10 13:29 **Data File** a cal 1-5ng.d  
**Sample Type** Calibration **Sample Name** a cal 1-5ng  
**Dilution** 1 **Acq Method** a1 mdq 618.m  
**Position** P2-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
Morphine	Morphine-D6	1.348	673	1544	0.4360	5.4748
Hydromorphone	Hydromorphone-D6	2.049	3179	22699	0.1401	5.1725
Codeine	Codeine-D6	4.134	1639	12532	0.1307	6.2809
Amphetamine	Amphetamine-D11	4.463	63902	110222	0.5798	4.3762
Oxycodone	Oxycodone-D6	4.529	8291	83954	0.0988	5.0299
Hydrocodone	Hydrocodone-D6	4.834	5562	66729	0.0834	4.5196
Methamphetamine	Methamphetamine-D11	4.861	54620	294348	0.1856	4.4905
Norhydrocodone	Norhydrocodone-D3	4.878	345	27622	0.0125	16.2336
6-MAM	6-MAM-D6	5.069	158	15198	0.0104	0.6050
Phentermine	Phentermine-D5	5.746	10699	338292	0.0316	4.9878
Dextroprphan	Dextroprphan-D3	6.267	5999	96792	0.0620	5.2170
7-aminoclonazepam	7-Aminoclonazepam-D4	6.372	8514	72549	0.1174	4.9535
Tramadol	Tramadol-13C-D3	6.381	45061	446645	0.1009	4.9106
Metoprolol	Oxycodone-D6	6.477	7015	83954	0.0836	5.1517
Doxylamine	Doxylamine-D5	6.723	49407	486703	0.1015	5.1295
Bupropion	Bupropion-D9	6.971	29919	271021	0.1104	5.0844
Meprobamate	Meprobamate-D7	7.073	4988	76033	0.0656	4.9065
Zolpidem	Zolpidem-D6	7.082	27809	326307	0.0852	5.0271
Venlafaxine	Venlafaxine-D6	7.185	43223	423950	0.1020	5.2796
Trazodone	Trazodone-D6	7.276	24799	265629	0.0934	4.9571
Citalopram	Citalopram-D6	7.318	30774	318432	0.0966	5.1173
Dextromethorphan	Dextromethorphan-D3	7.329	6678	76305	0.0875	5.7578
Diphenhydramine	Diphenhydramine-D3	7.352	58065	596943	0.0973	5.0647

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

*acal 1*

<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>
Promethazine	Promethazine-D3	7.507	45533	579042	0.0786	5.0877
Clonazepam	Clonazepam-D4	7.543	9375	29799	0.3146	5.0669
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.601	2311	22015	0.1050	5.4676
Carisoprodol	Carisoprodol-D7	7.635	14252	201734	0.0706	5.0288
Lorazepam	Clonazepam-D4	7.643	4756	29799	0.1596	1.1691
Alprazolam	Alprazolam-D5	7.667	11703	111000	0.1054	5.1339



# ISP FORENSICS - Cd'A Instrument # 62340

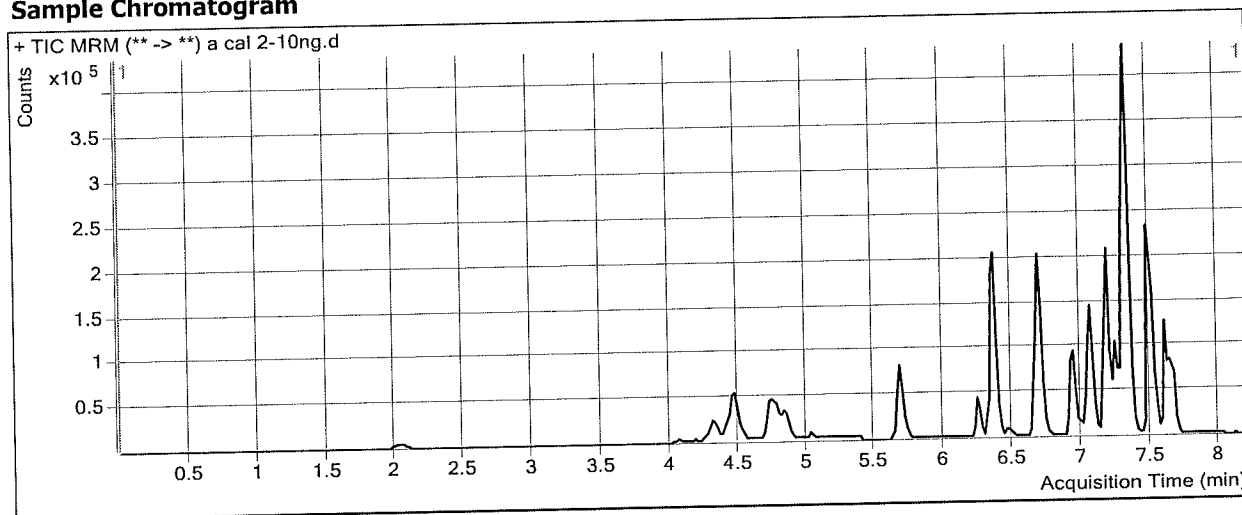
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2018 Data\101018 mdq\QuantResults\mdq p1a.batch.bin  
**Analysis Time** 10/11/2018 9:49 AM **Analyst Name** ISP Tox  
**Report Time** 10/11/2018 10:28 AM **Reporter Name** ISP Tox  
**Last Calib Update** 10/11/2018 9:49 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-10-10 13:54 **Data File** a cal 2-10ng.d  
**Sample Type** Calibration **Sample Name** a cal 2-10ng  
**Dilution** 1 **Acq Method** a1 mdq 618.m  
**Position** P2-B1 **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	1.348	1481	1825	0.8117	9.4890
Hydromorphone	Hydromorphone-D6	2.069	6946	24823	0.2798	9.8205
Codeine	Codeine-D6	4.154	2981	13236	0.2252	9.5433
Amphetamine	Amphetamine-D11	4.463	104951	105715	0.9928	9.6720
Oxycodone	Oxycodone-D6	4.509	18444	87708	0.2103	10.1782
Hydrocodone	Hydrocodone-D6	4.814	12242	69006	0.1774	10.0436
Methamphetamine	Methamphetamine-D11	4.861	62988	155384	0.4054	12.4310
Norhydrocodone	Norhydrocodone-D3	4.878	830	25955	0.0320	20.0293
6-MAM	6-MAM-D6	5.048	457	16878	0.0271	1.1746
Phentermine	Phentermine-D5	5.726	16691	263250	0.0634	9.9634
Dextrorphan	Dextrorphan-D3	6.247	11931	98149	0.1216	9.4673
7-aminoclonazepam	7-Aminoclonazepam-D4	6.372	17736	74768	0.2372	9.9855
Tramadol	Tramadol-13C-D3	6.361	98158	488038	0.2011	10.0035
Metoprolol	Oxycodone-D6	6.477	13283	87708	0.1514	9.4561
Doxylamine	Doxylamine-D5	6.702	98438	512396	0.1921	9.5979
Bupropion	Bupropion-D9	6.951	54279	248007	0.2189	9.7611
Meprobamate	Meprobamate-D7	7.053	11489	81093	0.1417	10.1130
Zolpidem	Zolpidem-D6	7.082	56890	337435	0.1686	9.6353
Venlafaxine	Venlafaxine-D6	7.185	94424	453668	0.2081	10.0322
Trazodone	Trazodone-D6	7.276	50660	257266	0.1969	9.9569
Citalopram	Citalopram-D6	7.298	63747	318452	0.2002	9.8704
Dextromethorphan	Dextromethorphan-D3	7.309	13994	78264	0.1788	9.6988
Diphenhydramine	Diphenhydramine-D3	7.332	120033	582555	0.2060	10.1255

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

*a cal 2*

<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>
Promethazine	Promethazine-D3	7.487	74545	460309	0.1619	9.8036
Clonazepam	Clonazepam-D4	7.543	18846	29155	0.6464	9.9665
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.601	3741	21674	0.1726	8.5497
Carisoprodol	Carisoprodol-D7	7.612	30410	200111	0.1520	9.8688
Lorazepam	Clonazepam-D4	7.643	11134	29155	0.3819	9.6836
Alprazolam	Alprazolam-D5	7.667	26486	119280	0.2220	9.6649



# ISP FORENSICS - Cd'A Instrument # 62340

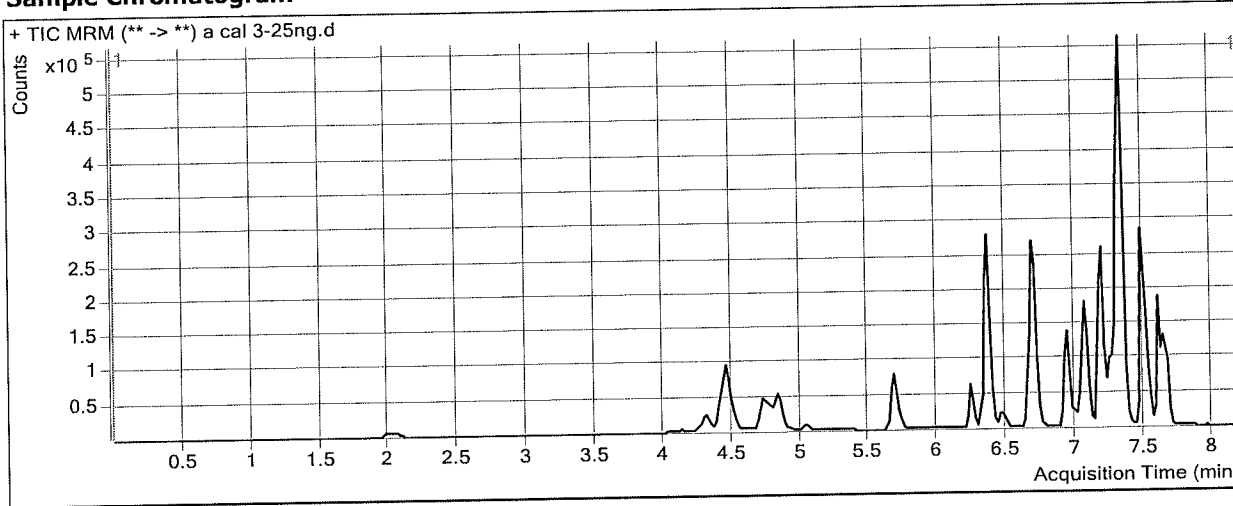
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2018 Data\101018 mdq\QuantResults\mdq p1a.batch.bin  
**Analysis Time** 10/11/2018 9:49 AM **Analyst Name** ISP Tox  
**Report Time** 10/11/2018 10:28 AM **Reporter Name** ISP Tox  
**Last Calib Update** 10/11/2018 9:49 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-10-10 14:19 **Data File** a cal 3-25ng.d  
**Sample Type** Calibration **Sample Name** a cal 3-25ng  
**Dilution** 1 **Acq Method** a1 mdq 618.m  
**Position** P2-C1 **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	1.348	3576	1805	1.9810	21.9826
Hydromorphone	Hydromorphone-D6	2.049	16446	24818	0.6626	22.5507
Codeine	Codeine-D6	4.134	8140	13101	0.6213	23.2220
Amphetamine	Amphetamine-D11	4.463	214274	93776	2.2850	26.2408
Oxycodone	Oxycodone-D6	4.509	42956	87830	0.4891	23.0462
Hydrocodone	Hydrocodone-D6	4.814	28656	69175	0.4142	23.9528
Methamphetamine	Methamphetamine-D11	4.861	100683	151749	0.6635	21.7556
Norhydrocodone	Norhydrocodone-D3	4.858	2145	28180	0.0761	28.6369
6-MAM	6-MAM-D6	5.048	1034	17121	0.0604	2.3108
Phentermine	Phentermine-D5	5.726	41066	261887	0.1568	24.5885
Dextroprphan	Dextroprphan-D3	6.247	30888	101298	0.3049	22.5482
7-aminoclonazepam	7-Aminoclonazepam-D4	6.372	44190	75465	0.5856	24.6115
Tramadol	Tramadol-13C-D3	6.361	252357	503163	0.5015	25.2669
Metoprolol	Oxycodone-D6	6.477	33307	87830	0.3792	23.8979
Doxylamine	Doxylamine-D5	6.702	257362	530979	0.4847	24.0279
Bupropion	Bupropion-D9	6.951	140549	254300	0.5527	24.1543
Meprobamate	Meprobamate-D7	7.053	30925	82447	0.3751	26.0870
Zolpidem	Zolpidem-D6	7.082	148631	341114	0.4357	24.4000
Venlafaxine	Venlafaxine-D6	7.185	240381	462985	0.5192	23.9552
Trazodone	Trazodone-D6	7.276	126895	250867	0.5058	24.8712
Citalopram	Citalopram-D6	7.298	143114	305290	0.4688	22.2015
Dextromethorphan	Dextromethorphan-D3	7.309	34421	71726	0.4799	22.6973
Diphenhydramine	Diphenhydramine-D3	7.332	292296	574445	0.5088	24.2129

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

*a cal 3*

<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>
Promethazine	Promethazine-D3	7.487	175230	418882	0.4183	24.3164
Clonazepam	Clonazepam-D4	7.543	47353	29693	1.5947	23.9713
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.601	11412	23219	0.4915	23.0818
Carisoprodol	Carisoprodol-D7	7.612	80924	203951	0.3968	24.4398
Lorazepam	Clonazepam-D4	7.643	23708	29693	0.7984	25.6368
Alprazolam	Alprazolam-D5	7.667	67388	115085	0.5856	23.7892





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

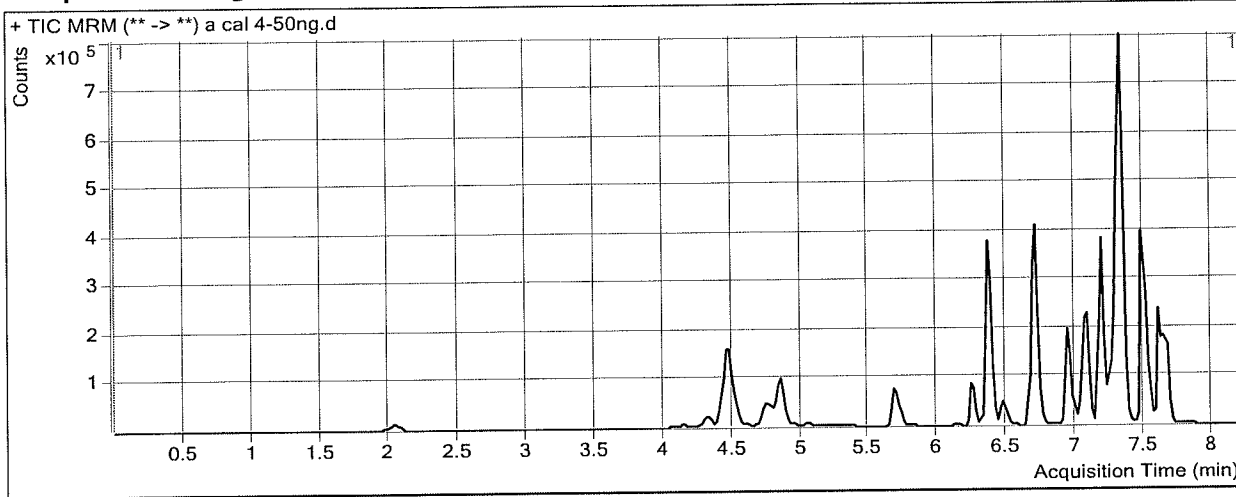
*a cal 4*

**Batch Data Path** D:\2018 Data\101018 mdq\QuantResults\mdq p1a.batch.bin  
**Analysis Time** 10/11/2018 9:49 AM **Analyst Name** ISP Tox  
**Report Time** 10/11/2018 10:28 AM **Reporter Name** ISP Tox  
**Last Calib Update** 10/11/2018 9:49 AM **Batch State** Processed

**Analysis Info**

**Acq Time** 2018-10-10 14:45 **Data File** a cal 4-50ng.d  
**Sample Type** Calibration **Sample Name** a cal 4-50ng  
**Dilution** 1 **Acq Method** a1 mdq 618.m  
**Position** P2-D1 **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	1.348	7191	1467	4.9023	53.1968
Hydromorphone	Hydromorphone-D6	2.049	33865	24269	1.3954	46.9182
Codeine	Codeine-D6	4.154	16541	12373	1.3368	47.9330
Amphetamine	Amphetamine-D11	4.463	403042	93746	4.2993	52.0691
Oxycodone	Oxycodone-D6	4.529	92060	86011	1.0703	49.8753
Hydrocodone	Hydrocodone-D6	4.834	59944	67660	0.8860	51.6559
Methamphetamine	Methamphetamine-D11	4.861	225026	148428	1.5161	52.5553
Norhydrocodone	Norhydrocodone-D3	4.878	4743	25697	0.1846	49.7707
6-MAM	6-MAM-D6	5.048	2182	16010	0.1363	4.9033
Phentermine	Phentermine-D5	5.726	83932	247431	0.3392	53.1493
Dextroprphan	Dextroprphan-D3	6.247	68805	97627	0.7048	51.0725
7-aminoclonazepam	7-Aminoclonazepam-D4	6.372	95611	72821	1.3129	55.1495
Tramadol	Tramadol-13C-D3	6.361	511494	457784	1.1173	56.5536
Metoprolol	Oxycodone-D6	6.477	69670	86011	0.8100	51.2130
Doxylamine	Doxylamine-D5	6.702	526304	513226	1.0255	50.6995
Bupropion	Bupropion-D9	6.951	270309	230910	1.1706	50.7967
Meprobamate	Meprobamate-D7	7.053	57049	76043	0.7502	51.7593
Zolpidem	Zolpidem-D6	7.082	307777	338974	0.9080	50.5020
Venlafaxine	Venlafaxine-D6	7.185	484393	440445	1.0998	49.9416
Trazodone	Trazodone-D6	7.276	270021	244505	1.1044	53.7689
Citalopram	Citalopram-D6	7.298	321889	284949	1.1296	52.5404
Dextromethorphan	Dextromethorphan-D3	7.329	72052	69568	1.0357	46.6917
Diphenhydramine	Diphenhydramine-D3	7.332	604418	561697	1.0761	50.6036

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

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<b>Compound</b>	<b>ISTD Compound</b>	<b>RT</b>	<b>Response</b>	<b>ISTD Resp</b>	<b>Resp Ratio</b>	<b>Final Conc</b>
Promethazine	Promethazine-D3	7.487	392499	457192	0.8585	49.2331
Clonazepam	Clonazepam-D4	7.543	86668	25813	3.3575	50.0036
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.601	20722	20971	0.9881	45.7136
Carisoprodol	Carisoprodol-D7	7.612	160968	181261	0.8880	53.6786
Lorazepam	Clonazepam-D4	7.643	41153	25813	1.5943	56.1175
Alprazolam	Alprazolam-D5	7.667	136548	107062	1.2754	50.5940



# ISP FORENSICS - Cd'A Instrument # 62340

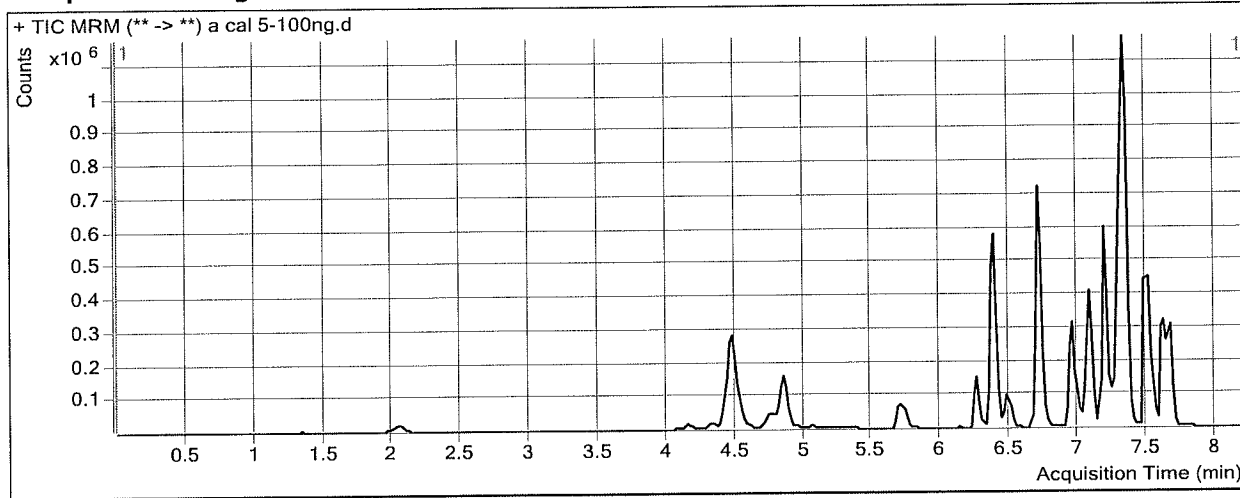
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	D:\2018 Data\101018 mdq\QuantResults\mdq p1a.batch.bin		
<b>Analysis Time</b>	10/11/2018 9:49 AM	<b>Analyst Name</b>	ISP Tox
<b>Report Time</b>	10/11/2018 10:28 AM	<b>Reporter Name</b>	ISP Tox
<b>Last Calib Update</b>	10/11/2018 9:49 AM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2018-10-10 15:10	<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>	a1 mdq 618.m
<b>Position</b>	P2-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	1.348	14417	1703	8.4660	91.2751
Hydromorphone	Hydromorphone-D6	2.049	69983	23916	2.9262	97.8264
Codeine	Codeine-D6	4.154	32940	12429	2.6503	93.2917
Amphetamine	Amphetamine-D11	4.483	795227	91465	8.6944	108.4243
Oxycodone	Oxycodone-D6	4.529	187986	82929	2.2668	105.1023
Hydrocodone	Hydrocodone-D6	4.834	126769	69636	1.8204	106.5372
Methamphetamine	Methamphetamine-D11	4.861	363240	124655	2.9140	103.0548
Norhydrocodone	Norhydrocodone-D3	4.878	9936	25813	0.3849	88.8215
6-MAM	6-MAM-D6	5.069	4723	17355	0.2722	9.5432
Phentermine	Phentermine-D5	5.746	154876	237386	0.6524	102.1910
Dextroprphan	Dextroprphan-D3	6.267	141277	101979	1.3854	99.6224
7-aminoclonazepam	7-Aminoclonazepam-D4	6.372	189556	74191	2.5550	107.2951
Tramadol	Tramadol-13C-D3	6.381	1046411	498044	2.1010	106.5341
Metoprolol	Oxycodone-D6	6.477	139738	82929	1.6850	106.6935
Doxylamine	Doxylamine-D5	6.702	1061598	527329	2.0132	99.4117
Bupropion	Bupropion-D9	6.971	542827	236846	2.2919	99.1411
Meprobamate	Meprobamate-D7	7.073	110258	74369	1.4826	101.8804
Zolpidem	Zolpidem-D6	7.082	636925	340253	1.8719	103.7815
Venlafaxine	Venlafaxine-D6	7.185	979782	450469	2.1750	98.0688
Trazodone	Trazodone-D6	7.276	537219	238726	2.2504	109.0985
Citalopram	Citalopram-D6	7.298	631901	292653	2.1592	99.8066
Dextromethorphan	Dextromethorphan-D3	7.329	152231	61854	2.4611	108.2287
Diphenhydramine	Diphenhydramine-D3	7.352	1199769	571604	2.0990	98.1948

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

*a cal S*

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<b>Compound</b>	<b>ISTD Compound</b>	<b>RT</b>	<b>Response</b>	<b>ISTD Resp</b>	<b>Resp Ratio</b>	<b>Final Conc</b>
Promethazine	Promethazine-D3	7.507	734646	427555	1.7183	97.9007
Clonazepam	Clonazepam-D4	7.543	144070	23193	6.2117	92.1540
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.601	42527	19000	2.2383	102.6840
Carisoprodol	Carisoprodol-D7	7.635	303280	187384	1.6185	97.1536
Lorazepam	Clonazepam-D4	7.643	58746	23193	2.5329	92.0689
Alprazolam	Alprazolam-D5	7.667	267321	108734	2.4585	96.5635

*[Signature]*

# ISP FORENSICS - Cd'A Instrument # 62340

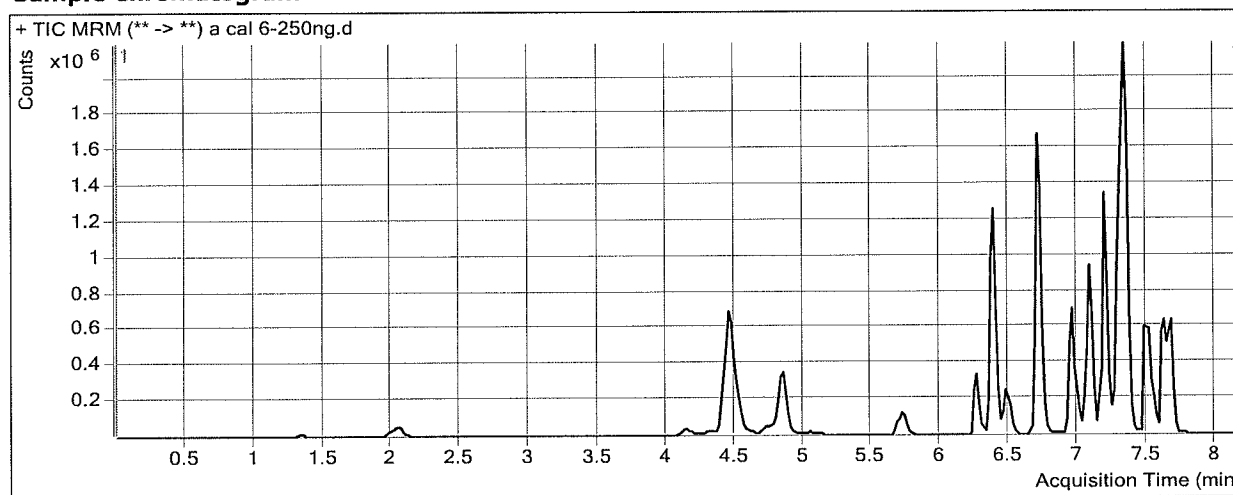
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2018 Data\101018 mdq\QuantResults\mdq p1a.batch.bin  
**Analysis Time** 10/11/2018 9:49 AM **Analyst Name** ISP Tox  
**Report Time** 10/11/2018 10:28 AM **Reporter Name** ISP Tox  
**Last Calib Update** 10/11/2018 9:49 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-10-10 15:36 **Data File** a cal 6-250ng.d  
**Sample Type** Calibration **Sample Name** a cal 6-250ng  
**Dilution** 1 **Acq Method** a1 mdq 618.m  
**Position** P2-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
Morphine	Morphine-D6	1.348	39620	1603	24.7118	264.8595
Hydromorphone	Hydromorphone-D6	2.049	191379	25062	7.6361	254.4538
Codeine	Codeine-D6	4.154	86602	12548	6.9019	240.1206
Amphetamine	Amphetamine-D11	4.463	1857110	98518	18.8505	238.6497
Oxycodone	Oxycodone-D6	4.529	489518	89474	5.4711	253.0007
Hydrocodone	Hydrocodone-D6	4.834	336001	76466	4.3941	257.6882
Methamphetamine	Methamphetamine-D11	4.861	797072	111936	7.1208	255.0268
Norhydrocodone	Norhydrocodone-D3	4.878	29720	27084	1.0973	227.6765
6-MAM	6-MAM-D6	5.069	13050	18225	0.7160	24.6993
Phentermine	Phentermine-D5	5.746	372261	224519	1.6580	259.6485
Dextrorphan	Dextrorphan-D3	6.267	368687	103620	3.5581	254.6169
7-aminoclonazepam	7-Aminoclonazepam-D4	6.372	430616	72266	5.9587	250.1984
Tramadol	Tramadol-13C-D3	6.381	2757535	545187	5.0580	256.7689
Metoprolol	Oxycodone-D6	6.477	357589	89474	3.9966	253.2580
Doxylamine	Doxylamine-D5	6.702	2904607	552127	5.2608	259.5829
Bupropion	Bupropion-D9	6.971	1340461	225237	5.9513	256.9193
Meprobamate	Meprobamate-D7	7.053	275170	72328	3.8045	260.7843
Zolpidem	Zolpidem-D6	7.082	1696969	369224	4.5960	254.3497
Venlafaxine	Venlafaxine-D6	7.185	2638123	472949	5.5780	250.3842
Trazodone	Trazodone-D6	7.276	1276994	236848	5.3916	260.7602
Citalopram	Citalopram-D6	7.298	1321314	242352	5.4521	250.9748
Dextromethorphan	Dextromethorphan-D3	7.329	301023	56726	5.3066	231.0697
Diphenhydramine	Diphenhydramine-D3	7.352	2711318	506031	5.3580	249.8255

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

*a cal b*

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<b>Compound</b>	<b>ISTD Compound</b>	<b>RT</b>	<b>Response</b>	<b>ISTD Resp</b>	<b>Resp Ratio</b>	<b>Final Conc</b>
Promethazine	Promethazine-D3	7.507	1200626	272883	4.3998	249.6927
Clonazepam	Clonazepam-D4	7.543	318622	19434	16.3947	242.5353
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.601	91557	16484	5.5544	253.8045
Carisoprodol	Carisoprodol-D7	7.635	685695	171230	4.0045	239.1646
Lorazepam	Clonazepam-D4	7.643	96914	19434	4.9867	186.0515
Alprazolam	Alprazolam-D5	7.667	628296	99230	6.3317	247.0597



# ISP FORENSICS - Cd'A Instrument # 62340

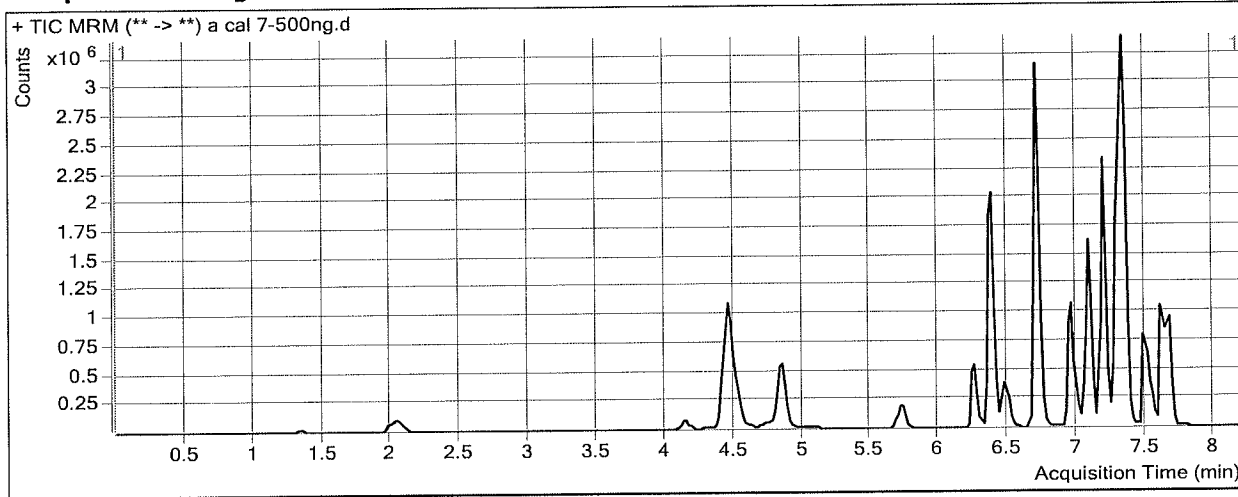
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2018 Data\101018 mdq\QuantResults\mdq p1a.batch.bin  
**Analysis Time** 10/11/2018 9:49 AM **Analyst Name** ISP Tox  
**Report Time** 10/11/2018 10:28 AM **Reporter Name** ISP Tox  
**Last Calib Update** 10/11/2018 9:49 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-10-10 16:01 **Data File** a cal 7-500ng.d  
**Sample Type** Calibration **Sample Name** a cal 7-500ng  
**Dilution** 1 **Acq Method** a1 mdq 618.m  
**Position** P2-G1 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28 Panel 1

### Sample Chromatogram



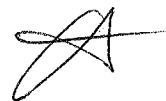
### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.348	75838	1484	51.1172	546.9985
Hydromorphone	Hydromorphone-D6	2.049	363526	23155	15.6999	522.6140
Codeine	Codeine-D6	4.134	160008	11343	14.1066	488.9323
Amphetamine	Amphetamine-D11	4.463	3141829	88631	35.4483	451.4707
Oxycodone	Oxycodone-D6	4.529	905137	81154	11.1534	515.2810
Hydrocodone	Hydrocodone-D6	4.834	608269	68812	8.8395	518.7610
Methamphetamine	Methamphetamine-D11	4.861	1239004	92256	13.4300	482.9488
Norhydrocodone	Norhydrocodone-D3	4.878	59547	22480	2.6489	530.0944
6-MAM	6-MAM-D6	5.069	24974	18263	1.3675	46.9434
Phentermine	Phentermine-D5	5.746	663294	211762	3.1323	490.4801
Dextrophan	Dextrophan-D3	6.267	686061	94951	7.2254	516.2314
7-aminoclonazepam	7-Aminoclonazepam-D4	6.372	700267	59618	11.7459	493.1676
Tramadol	Tramadol-13C-D3	6.381	5087689	545336	9.3295	473.7946
Metoprolol	Oxycodone-D6	6.477	617044	81154	7.6034	481.9518
Doxylamine	Doxylamine-D5	6.702	5471701	531317	10.2984	508.0375
Bupropion	Bupropion-D9	6.971	2171848	184270	11.7862	508.4934
Meprobamate	Meprobamate-D7	7.053	455692	66490	6.8535	469.4528
Zolpidem	Zolpidem-D6	7.082	3107877	345509	8.9951	497.4930
Venlafaxine	Venlafaxine-D6	7.185	5017477	450484	11.1380	499.2430
Trazodone	Trazodone-D6	7.276	2186750	221540	9.8707	477.0120
Citalopram	Citalopram-D6	7.298	2159604	194981	11.0760	509.1596
Dextromethorphan	Dextromethorphan-D3	7.329	488838	41183	11.8699	514.4114
Diphenhydramine	Diphenhydramine-D3	7.352	4637630	422947	10.9650	510.6971

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

*a cal 7*

<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>
Promethazine	Promethazine-D3	7.487	1538624	173588	8.8637	502.3776
Clonazepam	Clonazepam-D4	7.543	479873	13259	36.1920	534.8992
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.601	159263	13431	11.8580	541.0679
Carisoprodol	Carisoprodol-D7	7.635	1163893	136544	8.5240	508.1526
Lorazepam	Clonazepam-D4	7.643	139249	13259	10.5021	397.2964
Alprazolam	Alprazolam-D5	7.667	1068455	83611	12.7789	497.5689





# ISP FORENSICS - Cd'A Instrument # 62340

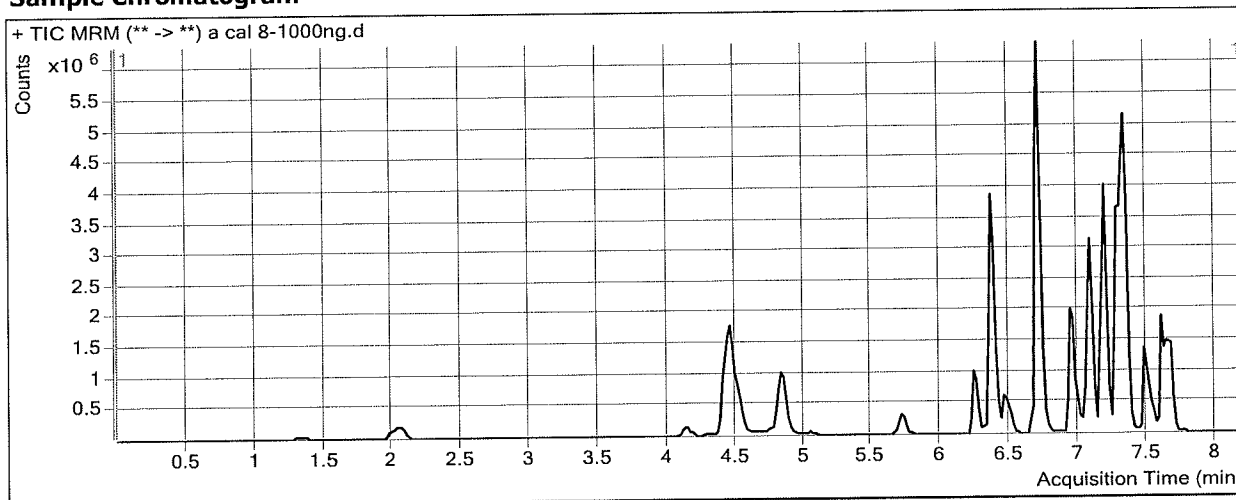
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	D:\2018 Data\101018 mdq\QuantResults\mdq p1a.batch.bin		
<b>Analysis Time</b>	10/11/2018 9:49 AM	<b>Analyst Name</b>	ISP Tox
<b>Report Time</b>	10/11/2018 10:28 AM	<b>Reporter Name</b>	ISP Tox
<b>Last Calib Update</b>	10/11/2018 9:49 AM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2018-10-10 16:26	<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>	a1 mdq 618.m
<b>Position</b>	P2-H1	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	AM 28 Panel 1

### Sample Chromatogram



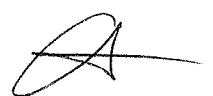
### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.348	158776	1794	88.5275	946.7237
Hydromorphone	Hydromorphone-D6	2.049	819508	24747	33.1148	1101.7480
Codeine	Codeine-D6	4.134	331564	11129	29.7935	1030.6761
Amphetamine	Amphetamine-D11	4.463	5305477	90877	58.3806	745.5153
Oxycodone	Oxycodone-D6	4.509	1960511	91863	21.3416	985.5425
Hydrocodone	Hydrocodone-D6	4.814	1243099	75480	16.4691	966.8416
Methamphetamine	Methamphetamine-D11	4.861	2245514	87875	25.5536	920.9150
Norhydrocodone	Norhydrocodone-D3	4.878	126954	20616	6.1579	1214.0245
6-MAM	6-MAM-D6	5.048	59006	19434	3.0362	103.9254
Phentermine	Phentermine-D5	5.726	1244898	212317	5.8634	918.1155
Dextroprphan	Dextroprphan-D3	6.247	1289178	88553	14.5583	1039.3364
7-aminoclonazepam	7-Aminoclonazepam-D4	6.372	1073123	52194	20.5603	863.2297
Tramadol	Tramadol-13C-D3	6.361	9720361	590761	16.4540	835.7761
Metoprolol	Oxycodone-D6	6.457	1072838	91863	11.6786	740.3449
Doxylamine	Doxylamine-D5	6.702	11475380	571358	20.0844	990.6831
Bupropion	Bupropion-D9	6.951	4350066	189736	22.9270	988.8319
Meprobamate	Meprobamate-D7	7.053	940105	69370	13.5520	927.8825
Zolpidem	Zolpidem-D6	7.082	6470431	359614	17.9927	994.8114
Venlafaxine	Venlafaxine-D6	7.185	9675627	432045	22.3949	1003.0953
Trazodone	Trazodone-D6	7.276	4765475	269365	17.6915	854.6071
Citalopram	Citalopram-D6	7.298	2966069	132246	22.4285	1030.3338
Dextromethorphan	Dextromethorphan-D3	7.329	765918	33083	23.1515	1001.4447
Diphenhydramine	Diphenhydramine-D3	7.332	7600415	356923	21.2943	991.2758

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

*a cal 8*

<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>
Promethazine	Promethazine-D3	7.487	2414467	128742	18.7542	1062.2495
Clonazepam	Clonazepam-D4	7.543	663463	9164	72.3974	1069.5752
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.601	285389	11942	23.8985	1089.7738
Carisoprodol	Carisoprodol-D7	7.612	1906879	112272	16.9845	1011.7051
Lorazepam	Clonazepam-D4	7.643	227138	9164	24.7854	944.3575
Alprazolam	Alprazolam-D5	7.667	1830527	65061	28.1356	1094.2662



# ISP FORENSICS - Cd'A Instrument # 62340

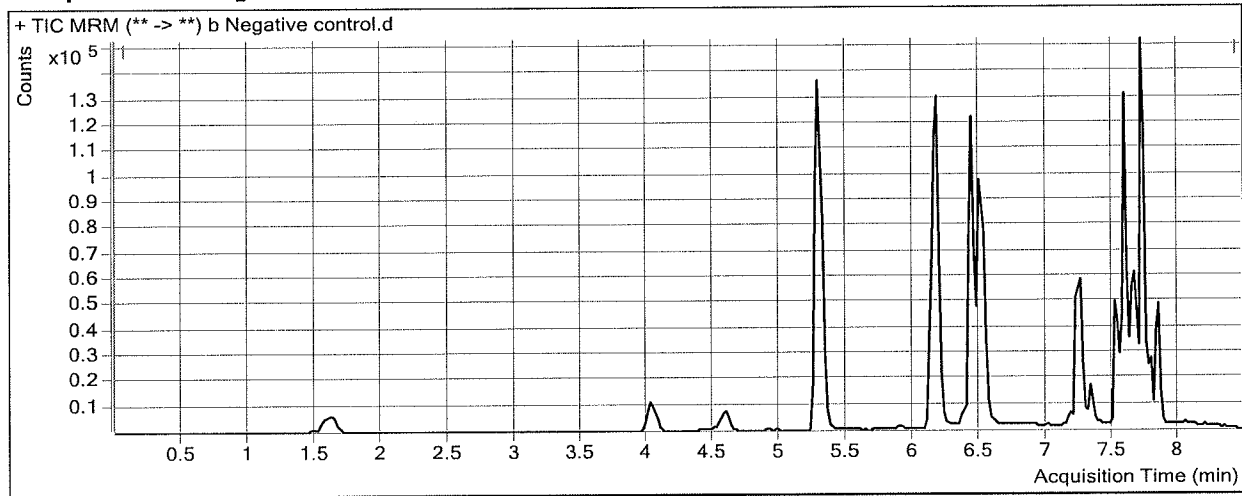
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2018 Data\101018 mdq\QuantResults\mdq p1b.batch.bin  
**Analysis Time** 10/11/2018 12:02 PM **Analyst Name** ISP Tox  
**Report Time** 10/11/2018 12:04 PM **Reporter Name** ISP Tox  
**Last Calib Update** 10/11/2018 12:02 PM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-10-10 17:17 **Data File** b Negative control.d  
**Sample Type** Sample **Sample Name** b Negative control  
**Dilution** 1 **Acq Method** b1 mdq 618.m  
**Position** P2-E2 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28 Panel 1, negative

### Sample Chromatogram



# ISP FORENSICS - Cd'A Instrument # 62340

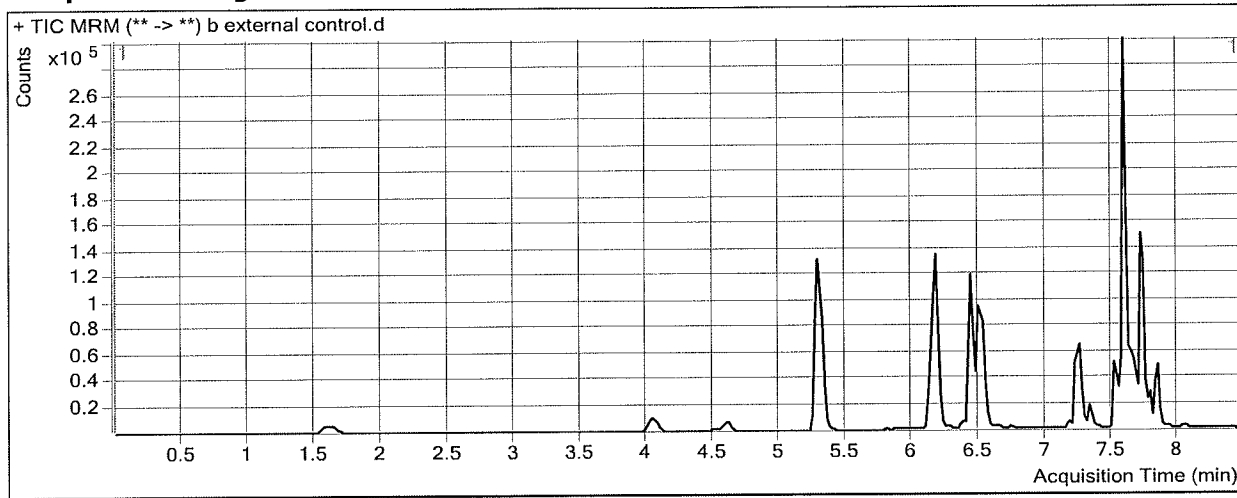
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2018 Data\101018 mdq\QuantResults\mdq p1b.batch.bin  
**Analysis Time** 10/11/2018 12:02 PM **Analyst Name** ISP Tox  
**Report Time** 10/11/2018 12:04 PM **Reporter Name** ISP Tox  
**Last Calib Update** 10/11/2018 12:02 PM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-10-10 17:43 **Data File** b external control.d  
**Sample Type** Sample **Sample Name** b external control  
**Dilution** 1 **Acq Method** b1 mdq 618.m  
**Position** P2-F2 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28: external control p1

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Methadone	Methadone-D9	7.581	180291	264545	0.6815	39.9842
Sertraline	Sertraline-D3	7.704	5535	4638	1.1936	50.9366

# ISP FORENSICS - Cd'A Instrument # 62340

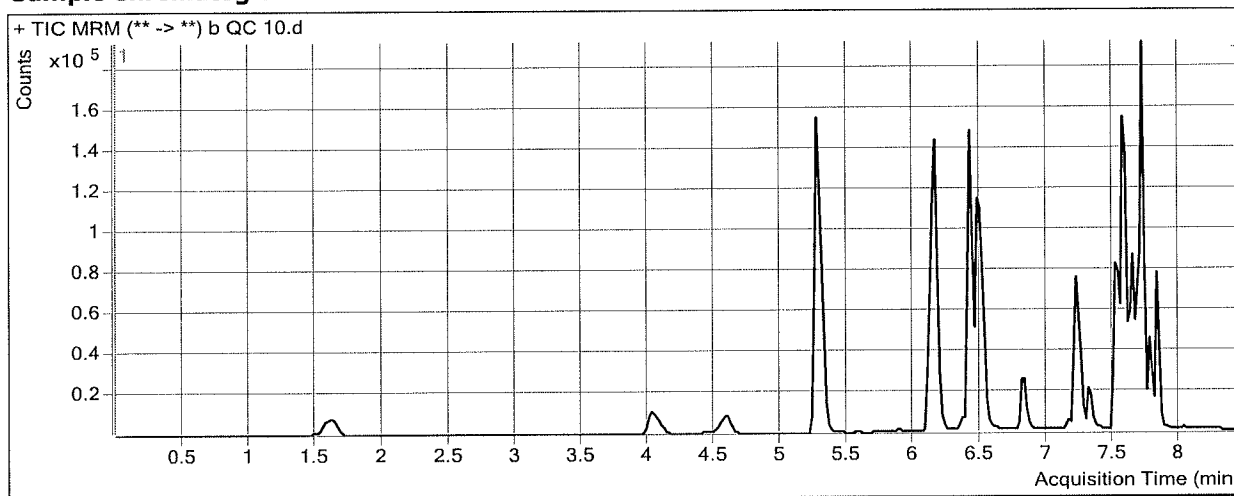
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2018 Data\101018 mdq\QuantResults\mdq p1b.batch.bin  
**Analysis Time** 10/11/2018 12:02 PM **Analyst Name** ISP Tox  
**Report Time** 10/11/2018 12:04 PM **Reporter Name** ISP Tox  
**Last Calib Update** 10/11/2018 12:02 PM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-10-10 18:08 **Data File** b QC 10.d  
**Sample Type** QC **Sample Name** b QC 10  
**Dilution** 1 **Acq Method** b1 mdq 618.m  
**Position** P2-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	1.628	7961	39605	0.2010	9.8858
Dihydrocodeine	Dihydrocodeine-D6	4.090	8563	44728	0.1914	9.5621
Noroxycodone	Noroxycodone-D3	4.618	7718	34127	0.2262	10.5976
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.299	84688	421947	0.2007	10.4520
Benzoylcegonine	Benzoylcegonine-d8	5.908	509	2883	0.1766	10.6861
Ketamine	Ketamine-D4	6.140	38047	162875	0.2336	9.8634
Norfentanyl	Norfentanyl-D5	6.184	6465	341037	0.0190	<del>1.4895</del> *
Cocaine	Cocaine-d3	6.409	62962	345405	0.1823	9.8059
alpha-PVP	alpha-PVP-d8	6.505	62730	281750	0.2226	9.5969
Mirtazapine	alpha-PVP-d8	6.819	49895	281750	0.1771	9.0562
Norbuprenorphine	Norbuprenorphine-D3	7.172	188	11883	0.0158	<del>0.7549</del> *
Fentanyl	Fentanyl-D5	7.217	3032	188281	0.0161	0.9442
Mitragynine	EDDP-D3	7.294	11392	26422	0.4312	8.9447
EDDP	EDDP-D3	7.306	5083	26422	0.1924	11.1706
Cyclobenzaprine	Cyclobenzaprine-D3	7.550	12844	63291	0.2029	9.6956
Quetiapine	Quetiapine-D8	7.517	83858	124317	0.6745	10.2747
Methadone	Methadone-D9	7.581	42113	278179	0.1514	10.1343
Buprenorphine	Buprenorphine-D4	7.755	1531	70194	0.0218	0.9408
Fluoxetine	Fluoxetine-D6	7.622	14742	78093	0.1888	9.8709
Sertraline	Sertraline-D3	7.683	3116	12413	0.2510	11.1331
Oxazepam	Oxazepam-D5	7.646	25091	121079	0.2072	10.4424
Temazepam	Temazepam-D5	7.705	53964	285520	0.1890	9.3922
Nordiazepam	Nordiazepam-D5	7.773	22019	55938	0.3936	10.9556

\* outside curve range

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

b Q C 10

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Diazepam	Diazepam-D5	7.829	28088	106647	0.2634	<del>11.5372</del>

Not evaluated  
Top cut off  
2nd peak



# ISP FORENSICS - Cd'A Instrument # 62340

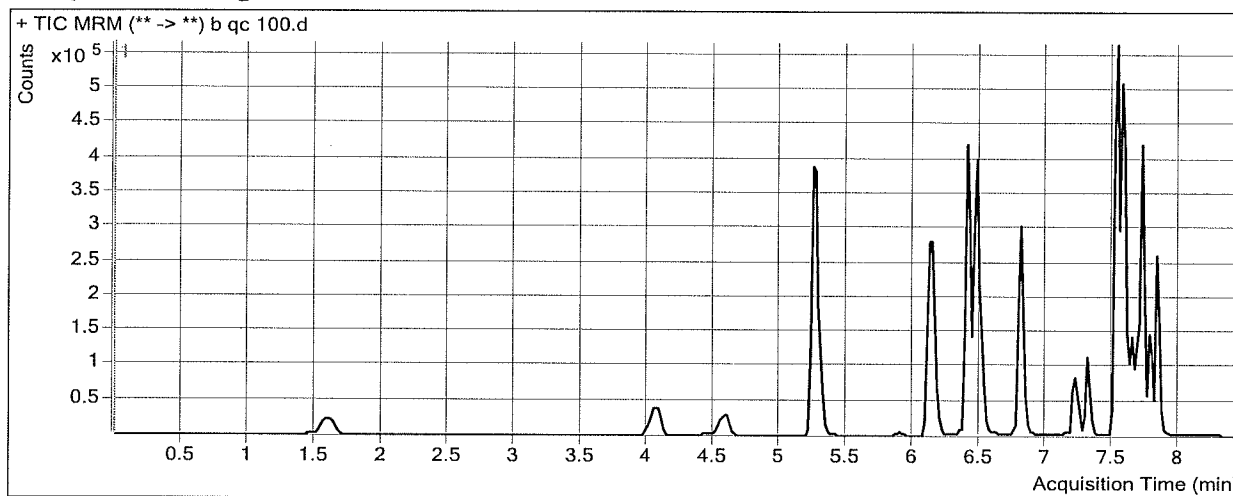
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2018 Data\101018 mdq\QuantResults\mdq p1b.batch.bin  
**Analysis Time** 10/11/2018 12:02 PM **Analyst Name** ISP Tox  
**Report Time** 10/11/2018 12:04 PM **Reporter Name** ISP Tox  
**Last Calib Update** 10/11/2018 12:02 PM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-10-10 21:56 **Data File** b qc 100.d  
**Sample Type** QC **Sample Name** b qc 100  
**Dilution** 1 **Acq Method** b1 mdq 618.m  
**Position** P2-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	1.608	84447	39236	2.1523	89.9799
Dihydrocodeine	Dihydrocodeine-D6	4.070	98466	47451	2.0751	108.5022
Noroxycodone	Noroxycodone-D3	4.598	80963	31911	2.5371	97.7179
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.279	919114	439462	2.0915	101.3542
Benzoyllecgonine	Benzoyllecgonine-d8	5.888	6711	3199	2.0974	139.9307
Ketamine	Ketamine-D4	6.120	421042	167115	2.5195	102.4278
Norfentanyl	Norfentanyl-D5	6.164	73588	343804	0.2140	9.4669
Cocaine	Cocaine-d3	6.389	653736	342094	1.9110	98.2494
alpha-PVP	alpha-PVP-d8	6.485	666591	274525	2.4282	98.7063
Mirtazapine	alpha-PVP-d8	6.799	544998	274525	1.9852	101.4299
Norbuprenorphine	Norbuprenorphine-D3	7.153	2219	10563	0.2101	10.3734
Fentanyl	Fentanyl-D5	7.217	29148	176413	0.1652	7.6780
Mitragynine	EDDP-D3	7.294	100472	30867	3.2550	76.2612
EDDP	EDDP-D3	7.306	65673	30867	2.1276	89.2262
Cyclobenzaprine	Cyclobenzaprine-D3	7.550	108822	48636	2.2375	99.2942
Quetiapine	Quetiapine-D8	7.517	890333	130600	6.8172	102.8319
Methadone	Methadone-D9	7.581	433066	271245	1.5966	91.5099
Buprenorphine	Buprenorphine-D4	7.755	15924	65620	0.2427	9.0017
Fluoxetine	Fluoxetine-D6	7.622	93945	48677	1.9300	96.6966
Sertraline	Sertraline-D3	7.683	14351	6487	2.2123	93.9532
Oxazepam	Oxazepam-D5	7.647	144938	65344	2.2181	99.1283
Temazepam	Temazepam-D5	7.705	473326	240257	1.9701	86.7354
Nordiazepam	Nordiazepam-D5	7.773	178889	43433	4.1187	106.4602

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

b QC 100

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<b>Compound</b>	<b>ISTD Compound</b>	<b>RT</b>	<b>Response</b>	<b>ISTD Resp</b>	<b>Resp Ratio</b>	<b>Final Conc</b>
Diazepam	Diazepam-D5	7.829	275172	98174	2.8029	101.6099





# ISP FORENSICS - Cd'A Instrument # 62340

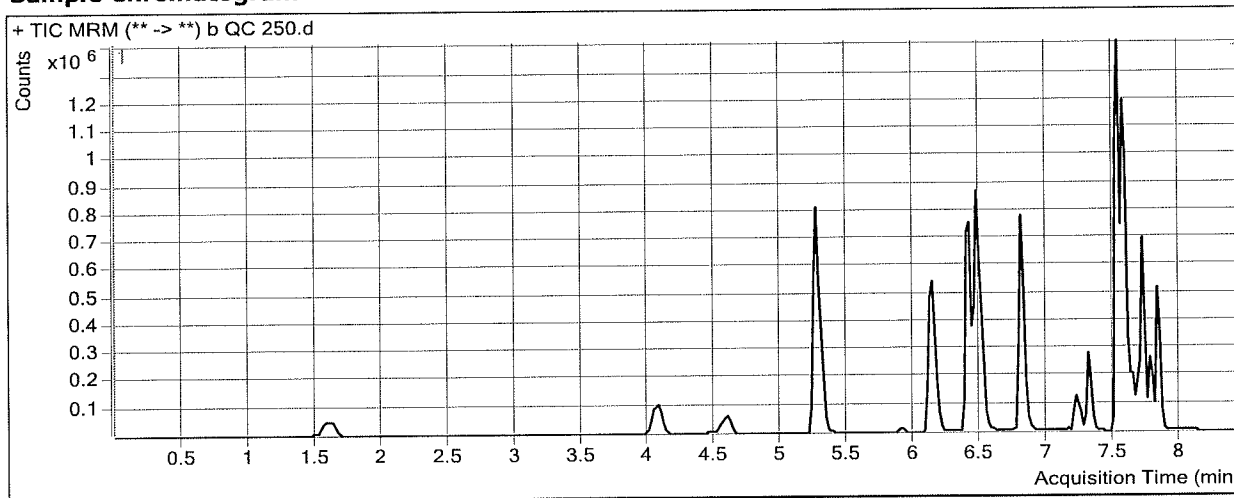
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2018 Data\101018 mdq\QuantResults\mdq p1b.batch.bin  
**Analysis Time** 10/11/2018 12:02 PM **Analyst Name** ISP Tox  
**Report Time** 10/11/2018 12:04 PM **Reporter Name** ISP Tox  
**Last Calib Update** 10/11/2018 12:02 PM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-10-11 00:16 **Data File** b QC 250.d  
**Sample Type** QC **Sample Name** b QC 250  
**Dilution** 1 **Acq Method** b1 mdq 618.m  
**Position** P2-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	1.608	207812	37630	5.5225	228.3201
Dihydrocodeine	Dihydrocodeine-D6	4.070	255565	47828	5.3434	280.1648
Noroxycodone	Noroxycodone-D3	4.598	191699	29696	6.4553	245.4270
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.279	2201236	427972	5.1434	248.0842
Benzoylcegonine	Benzoylcegonine-d8	5.888	23559	3086	7.6338	512.4671
Ketamine	Ketamine-D4	6.120	1048012	169937	6.1671	250.1335
Norfentanyl	Norfentanyl-D5	6.184	189950	339336	0.5598	23.6045
Cocaine	Cocaine-d3	6.409	1542421	333508	4.6248	237.0957
alpha-PVP	alpha-PVP-d8	6.485	1676066	277084	6.0490	244.9972
Mirtazapine	alpha-PVP-d8	6.799	1447813	277084	5.2252	266.9507
Norbuprenorphine	Norbuprenorphine-D3	7.153	6021	11613	0.5184	25.6438
Fentanyl	Fentanyl-D5	7.217	90704	188228	0.4819	21.9768
Mitragynine	EDDP-D3	7.294	269522	36223	7.4406	176.0392
EDDP	EDDP-D3	7.306	192546	36223	5.3156	217.8072
Cyclobenzaprine	Cyclobenzaprine-D3	7.550	285212	54716	5.2126	230.3135
Quetiapine	Quetiapine-D8	7.517	2320212	139845	16.5913	250.1060
Methadone	Methadone-D9	7.560	1257409	284289	4.4230	250.6581
Buprenorphine	Buprenorphine-D4	7.755	45657	64456	0.7083	25.9975
Fluoxetine	Fluoxetine-D6	7.622	243971	47973	5.0856	254.0549
Sertraline	Sertraline-D3	7.683	34130	6383	5.3471	226.3348
Oxazepam	Oxazepam-D5	7.646	212590	38123	5.5765	247.2463
Temazepam	Temazepam-D5	7.705	1045781	200608	5.2131	227.5622
Nordiazepam	Nordiazepam-D5	7.773	350386	31906	10.9819	282.4225

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

b QC 250

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<b>Compound</b>	<b>ISTD Compound</b>	<b>RT</b>	<b>Response</b>	<b>ISTD Resp</b>	<b>Resp Ratio</b>	<b>Final Conc</b>
Diazepam	Diazepam-D5	7.829	653496	95459	6.8458	245.0038



# ISP FORENSICS - Cd'A Instrument # 62340

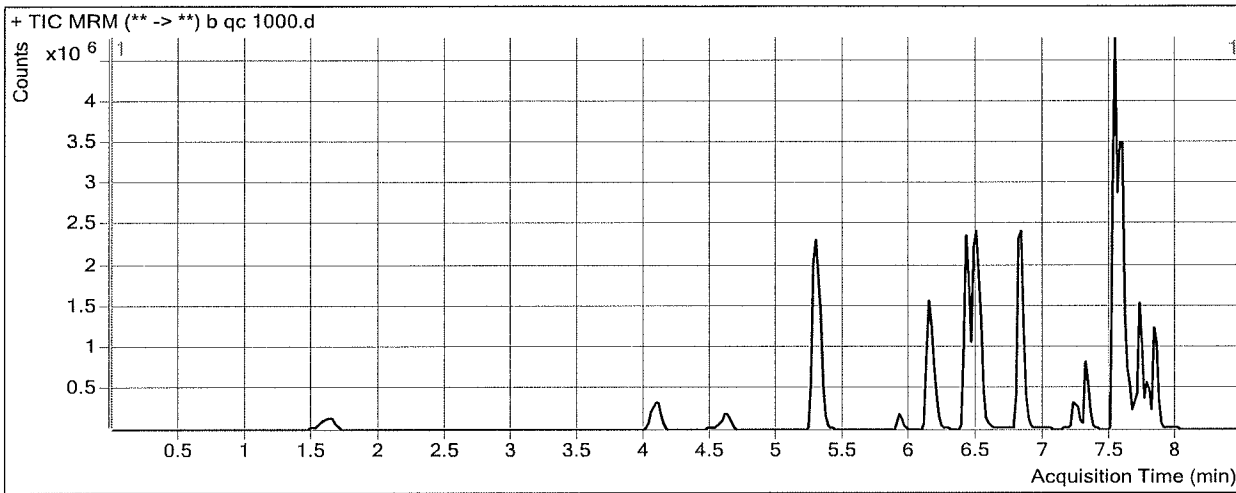
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2018 Data\101018 mdq\QuantResults\mdq p1b.batch.bin  
**Analysis Time** 10/11/2018 12:02 PM **Analyst Name** ISP Tox  
**Report Time** 10/11/2018 12:04 PM **Reporter Name** ISP Tox  
**Last Calib Update** 10/11/2018 12:02 PM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-10-11 02:35 **Data File** b qc 1000.d  
**Sample Type** QC **Sample Name** b qc 1000  
**Dilution** 1 **Acq Method** b1 mdq 618.m  
**Position** P2-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	1.608	688214	29251	23.5282	967.4100
Dihydrocodeine	Dihydrocodeine-D6	4.090	900123	46639	19.2997	1013.2148
Noroxycodone	Noroxycodone-D3	4.618	631784	25386	24.8875	940.2931
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.299	7707227	372451	20.6933	995.6820
Benzoylcegonine	Benzoylcegonine-d8	5.908	215888	2739	78.8087	<del>5301.6755</del> * A
Ketamine	Ketamine-D4	6.140	3586671	152668	23.4933	951.7425
Norfentanyl	Norfentanyl-D5	6.184	719780	285830	2.5182	103.6898
Cocaine	Cocaine-d3	6.409	5227521	268139	19.4955	997.9082
alpha-PVP	alpha-PVP-d8	6.505	5739739	228597	25.1086	1015.0628
Mirtazapine	alpha-PVP-d8	6.819	5313528	228597	23.2441	1187.4910
Norbuprenorphine	Norbuprenorphine-D3	7.153	19149	8882	2.1559	106.7288
Fentanyl	Fentanyl-D5	7.217	402199	181241	2.2191	100.4236
Mitragynine	EDDP-D3	7.294	715263	31639	22.6070	<del>537.5810</del> * *
EDDP	EDDP-D3	7.306	752530	31639	23.7848	962.7438
Cyclobenzaprine	Cyclobenzaprine-D3	7.550	1068121	47237	22.6117	996.5506
Quetiapine	Quetiapine-D8	7.517	7875257	122975	64.0393	965.0469
Methadone	Methadone-D9	7.581	4478504	254036	17.6294	994.2799
Buprenorphine	Buprenorphine-D4	7.755	161062	43872	3.6712	<del>134.1331</del> * *
Fluoxetine	Fluoxetine-D6	7.622	878484	41358	21.2408	1059.6474
Sertraline	Sertraline-D3	7.683	186452	7249	25.7227	1086.7709
Oxazepam	Oxazepam-D5	7.646	410878	18622	22.0640	974.4107
Temazepam	Temazepam-D5	7.705	2550927	102658	24.8487	1080.2389
Nordiazepam	Nordiazepam-D5	7.793	776988	19812	39.2184	1006.3577

\* outside curve range

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

*b QC 1000*

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<b>Compound</b>	<b>ISTD Compound</b>	<b>RT</b>	<b>Response</b>	<b>ISTD Resp</b>	<b>Resp Ratio</b>	<b>Final Conc</b>
Diazepam	Diazepam-D5	7.829	1940930	69451	27.9468	993.4158



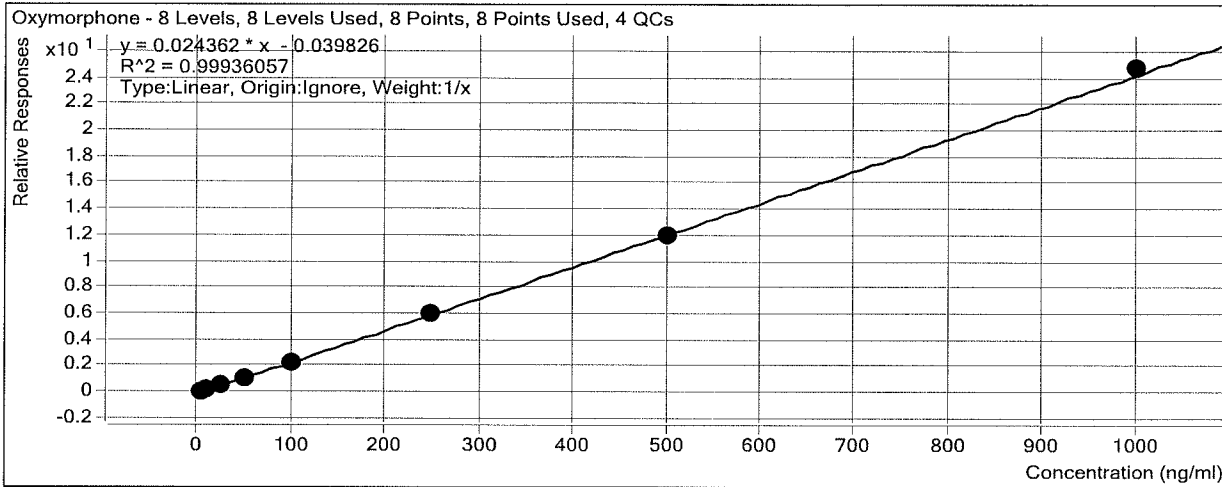
# ISP Forensics Calibration Curve Report

**Batch Data Path**  
**Last Calib Update**

D:\2018 Data\101018 mdq\QuantResults\mdq p1b.batch.bin  
10/11/2018 12:02 PM

**Analyst Name**      ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	6.0	119.3
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	100.7
b QC 10	2	<input checked="" type="checkbox"/>	10	9.9	98.9
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.4	89.4
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.0	95.9
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	94.6	94.6
b qc 100	5	<input checked="" type="checkbox"/>	100	90.0	90.0
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	248.5	99.4
b QC 250	6	<input checked="" type="checkbox"/>	250	228.3	91.3
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	495.1	99.0
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1015.4	101.5
b qc 1000	8	<input checked="" type="checkbox"/>	1000	967.4	96.7

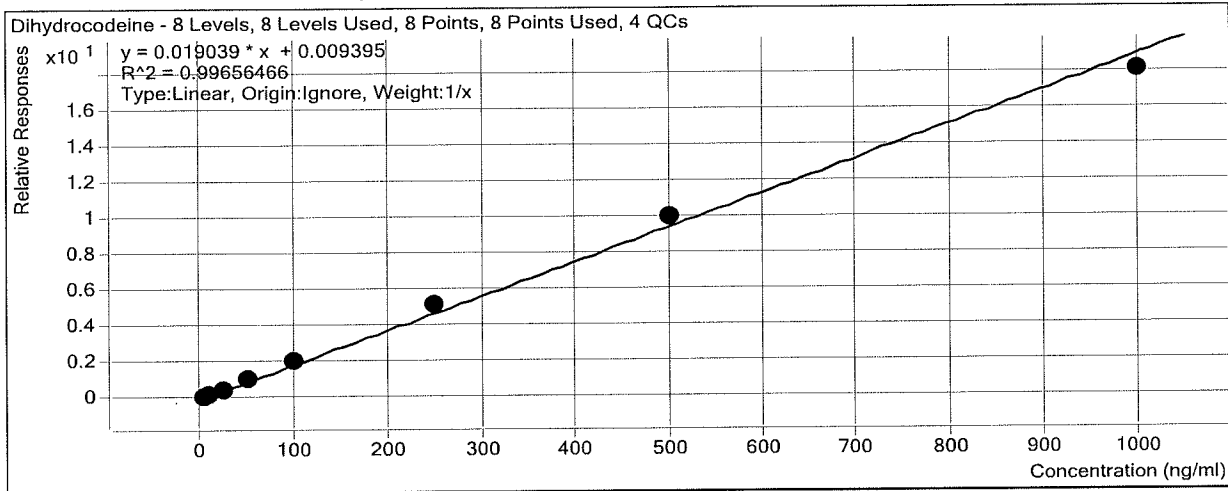
# ISP Forensics Calibration Curve Report

**Batch Data Path**  
**Last Calib Update**

D:\2018 Data\101018 mdq\QuantResults\mdq p1b.batch.bin  
10/11/2018 12:02 PM

**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	4.4	87.7
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	95.8
b QC 10	2	<input checked="" type="checkbox"/>	10	9.6	95.6
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.5	97.9
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.8	105.5
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	104.9	104.9
b qc 100	5	<input checked="" type="checkbox"/>	100	108.5	108.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	271.1	108.5
b QC 250	6	<input checked="" type="checkbox"/>	250	280.2	112.1
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	524.2	104.8
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	948.6	94.9
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1013.2	101.3

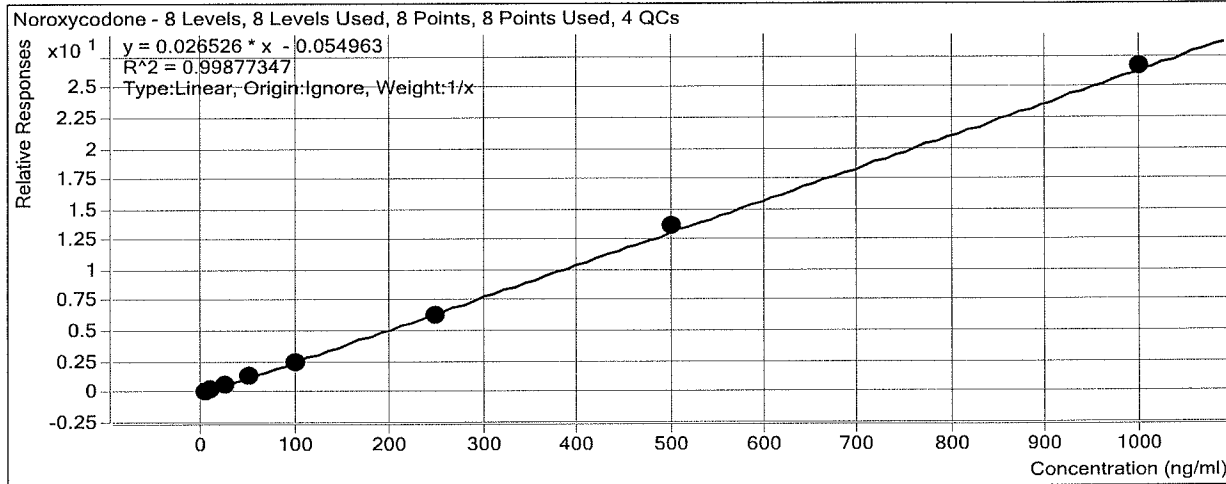
# ISP Forensics Calibration Curve Report

**Batch Data Path**  
**Last Calib Update**

D:\2018 Data\101018 mdq\QuantResults\mdq p1b.batch.bin  
10/11/2018 12:02 PM

**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	6.0	120.7
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.2	102.2
b QC 10	2	<input checked="" type="checkbox"/>	10	10.6	106.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	21.4	85.5
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.7	99.4
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	93.3	93.3
b qc 100	5	<input checked="" type="checkbox"/>	100	97.7	97.7
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	238.5	95.4
b QC 250	6	<input checked="" type="checkbox"/>	250	245.4	98.2
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	514.2	102.8
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1006.7	100.7
b qc 1000	8	<input checked="" type="checkbox"/>	1000	940.3	94.0

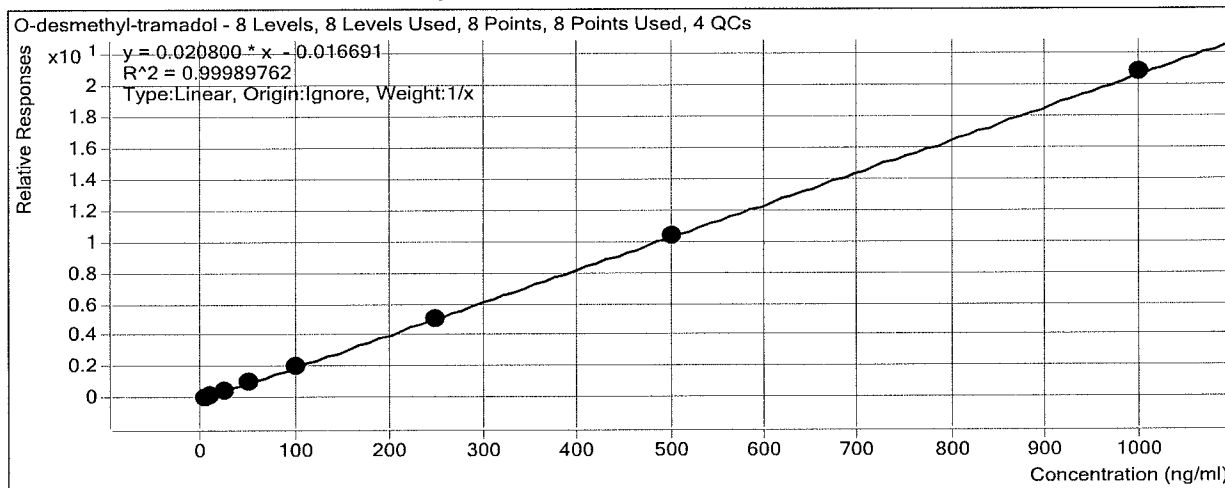
# ISP Forensics Calibration Curve Report

**Batch Data Path**  
**Last Calib Update**

D:\2018 Data\101018 mdq\QuantResults\mdq p1b.batch.bin  
10/11/2018 12:02 PM

**Analyst Name**      ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.3	105.1
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	99.7
b QC 10	2	<input checked="" type="checkbox"/>	10	10.5	104.5
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.8	95.1
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.1	102.2
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.5	98.5
b qc 100	5	<input checked="" type="checkbox"/>	100	101.4	101.4
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	246.6	98.6
b QC 250	6	<input checked="" type="checkbox"/>	250	248.1	99.2
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	501.6	100.3
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1003.2	100.3
b qc 1000	8	<input checked="" type="checkbox"/>	1000	995.7	99.6



# ISP Forensics Calibration Curve Report

**Batch Data Path**  
**Last Calib Update**

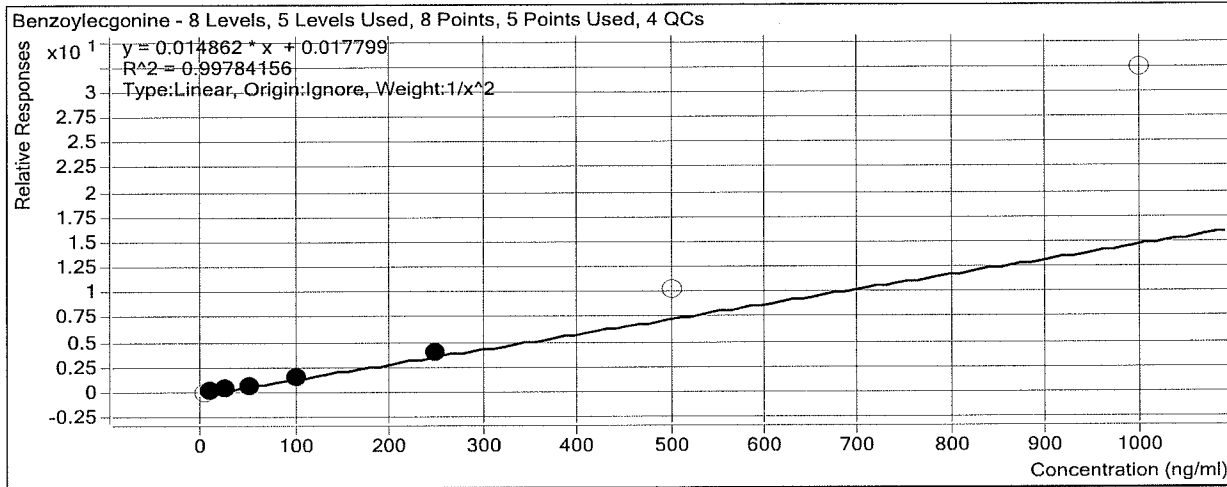
D:\2018 Data\101018 mdq\QuantResults\mdq p1b.batch.bin  
10/11/2018 12:02 PM

**Analyst Name**

ISP TOX

**Target Compound**  
*Internal Standard*

*Benzoyllecgonine*  
*Benzoyllecgonine-d8*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input type="checkbox"/>	5	4.7	93.5
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	101.4
b QC 10	2	<input checked="" type="checkbox"/>	10	10.7	106.9
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.6	98.3
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.1	96.1
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.5	98.5
b qc 100	5	<input checked="" type="checkbox"/>	100	139.9	139.9
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	264.2	105.7
b QC 250	6	<input checked="" type="checkbox"/>	250	512.5	205.0
b cal 7-500ng	7	<input type="checkbox"/>	500	684.9	137.0
b cal 8-1000ng	8	<input type="checkbox"/>	1000	2175.8	217.6
b qc 1000	8	<input checked="" type="checkbox"/>	1000	5301.7	530.2

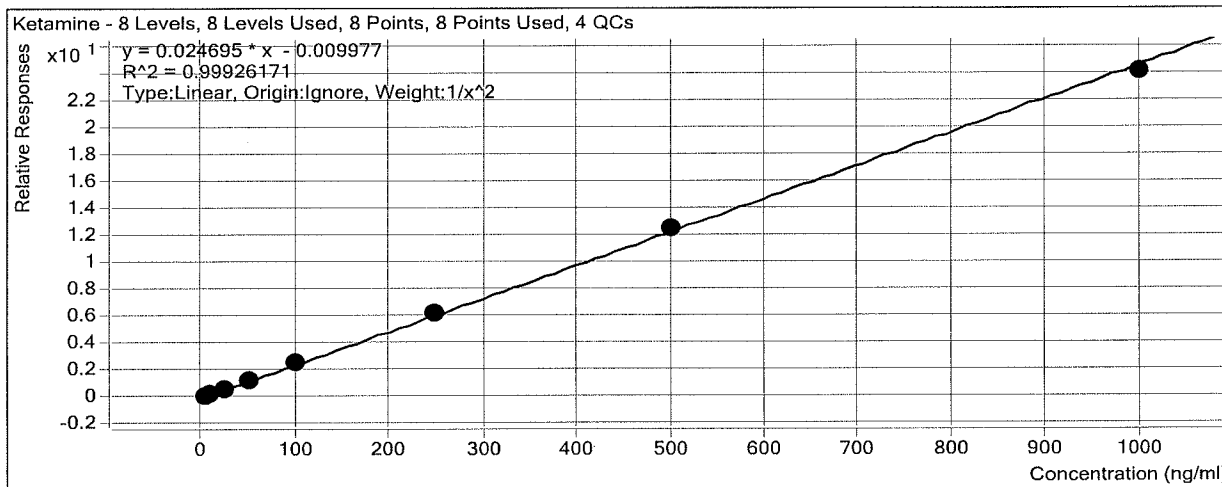
# ISP Forensics Calibration Curve Report

**Batch Data Path**  
**Last Calib Update**

D:\2018 Data\101018 mdq\QuantResults\mdq p1b.batch.bin  
10/11/2018 12:02 PM

**Analyst Name**      ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.4
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	100.6
b QC 10	2	<input checked="" type="checkbox"/>	10	9.9	98.6
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.8	95.3
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.6	101.1
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.6	101.6
b qc 100	5	<input checked="" type="checkbox"/>	100	102.4	102.4
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	254.2	101.7
b QC 250	6	<input checked="" type="checkbox"/>	250	250.1	100.1
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	509.3	101.9
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	974.2	97.4
b qc 1000	8	<input checked="" type="checkbox"/>	1000	951.7	95.2

# ISP Forensics Calibration Curve Report

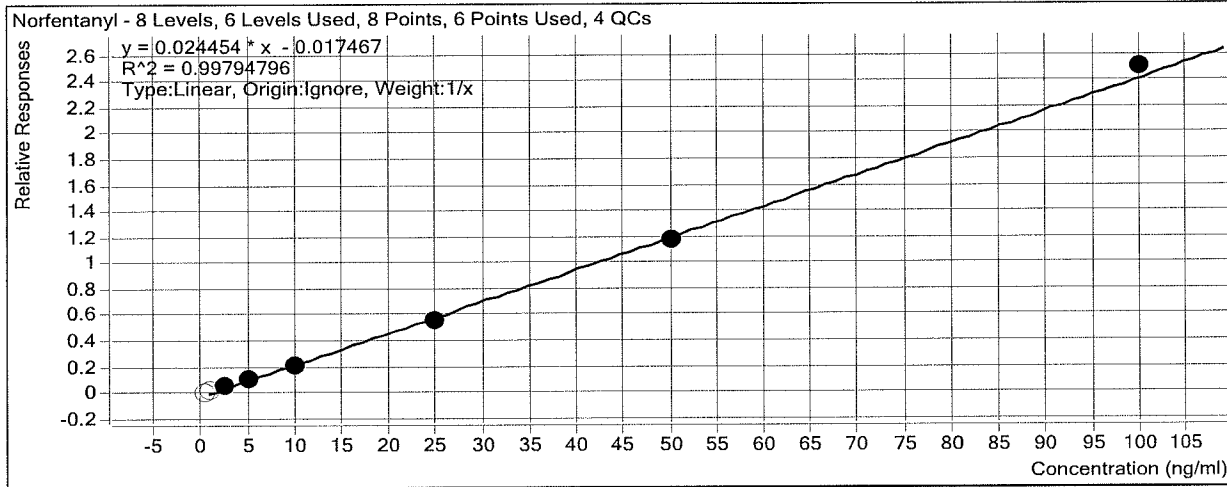
**Batch Data Path**  
**Last Calib Update**

D:\2018 Data\101018 mdq\QuantResults\mdq p1b.batch.bin  
10/11/2018 12:02 PM

**Analyst Name**

ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input type="checkbox"/>	0.5	1.1	213.4
b cal 2-10ng	2	<input type="checkbox"/>	1	1.4	144.2
b QC 10	2	<input type="checkbox"/>	1	1.5	148.9
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.8	113.1
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	5.0	99.5
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.2	92.2
b qc 100	5	<input checked="" type="checkbox"/>	10	9.5	94.7
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	23.6	94.4
b QC 250	6	<input checked="" type="checkbox"/>	25	23.6	94.4
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	48.8	97.7
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	103.0	103.0
b qc 1000	8	<input checked="" type="checkbox"/>	100	103.7	103.7

# ISP Forensics Calibration Curve Report

**Batch Data Path**  
**Last Calib Update**

D:\2018 Data\101018 mdq\QuantResults\mdq p1b.batch.bin  
10/11/2018 12:02 PM

**Analyst Name**

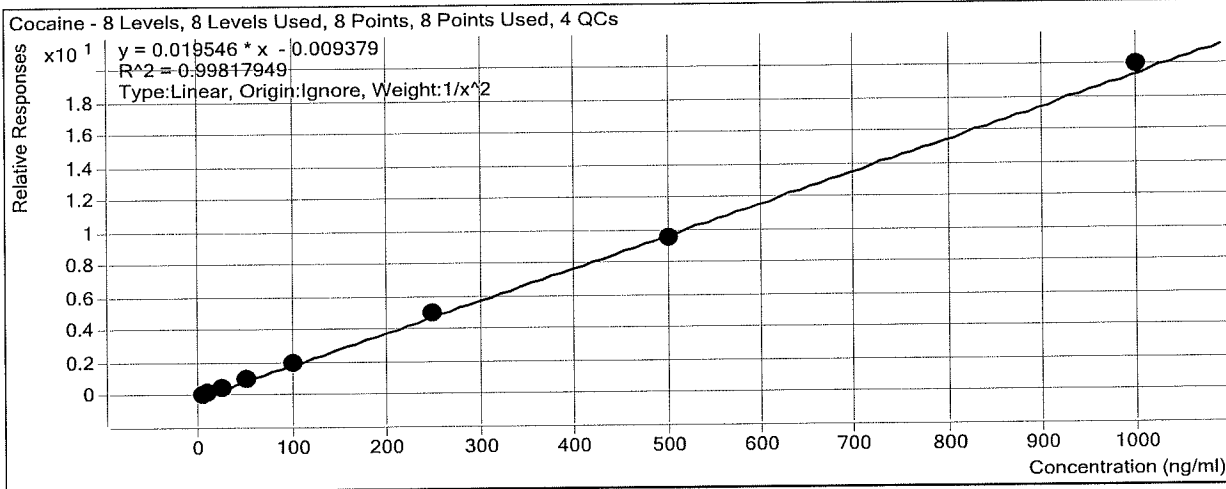
ISP TOX

**Target Compound**

*Cocaine*

**Internal Standard**

*Cocaine-d3*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.0
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	97.5
b QC 10	2	<input checked="" type="checkbox"/>	10	9.8	98.1
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.3	93.2
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.4	104.7
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.0	101.0
b qc 100	5	<input checked="" type="checkbox"/>	100	98.2	98.2
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	255.1	102.1
b QC 250	6	<input checked="" type="checkbox"/>	250	237.1	94.8
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	486.0	97.2
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1022.5	102.3
b qc 1000	8	<input checked="" type="checkbox"/>	1000	997.9	99.8

# ISP Forensics Calibration Curve Report

**Batch Data Path**  
**Last Calib Update**

D:\2018 Data\101018 mdq\QuantResults\mdq p1b.batch.bin  
10/11/2018 12:02 PM

**Analyst Name**

ISP TOX

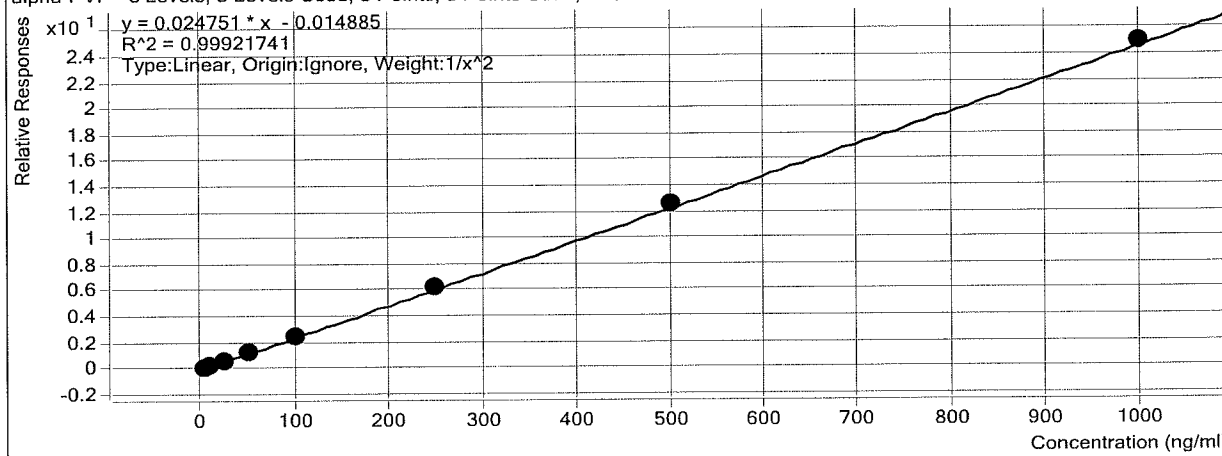
**Target Compound**

*alpha-PVP*

**Internal Standard**

*alpha-PVP-d8*

alpha-PVP - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.4
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	100.4
b QC 10	2	<input checked="" type="checkbox"/>	10	9.6	96.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.0	95.9
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.8	103.6
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.2	97.2
b qc 100	5	<input checked="" type="checkbox"/>	100	98.7	98.7
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	249.5	99.8
b QC 250	6	<input checked="" type="checkbox"/>	250	245.0	98.0
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	508.7	101.7
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1009.5	100.9
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1015.1	101.5

# ISP Forensics Calibration Curve Report

**Batch Data Path**  
**Last Calib Update**

D:\2018 Data\101018 mdq\QuantResults\mdq p1b.batch.bin  
10/11/2018 12:02 PM

**Analyst Name**

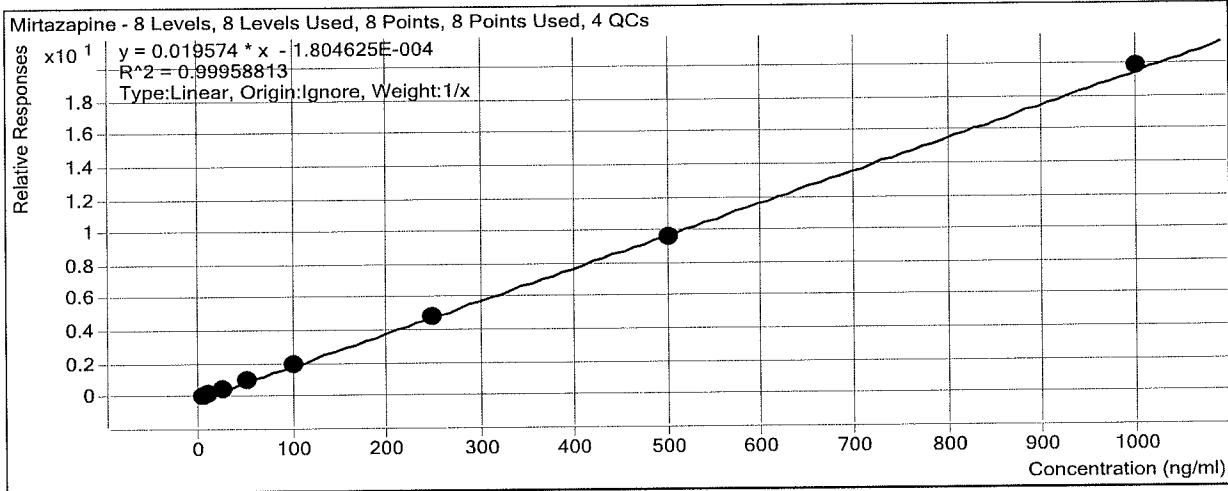
ISP TOX

**Target Compound**

*Mirtazapine*

**Internal Standard**

*alpha-PVP-d8*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.9	98.6
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	99.4
b QC 10	2	<input checked="" type="checkbox"/>	10	9.1	90.6
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.3	97.2
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	53.6	107.2
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.2	100.2
b qc 100	5	<input checked="" type="checkbox"/>	100	101.4	101.4
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	246.1	98.4
b QC 250	6	<input checked="" type="checkbox"/>	250	267.0	106.8
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	488.9	97.8
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1012.0	101.2
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1187.5	118.7

# ISP Forensics Calibration Curve Report

**Batch Data Path**  
**Last Calib Update**

D:\2018 Data\101018 mdq\QuantResults\mdq p1b.batch.bin  
10/11/2018 12:02 PM

**Analyst Name**

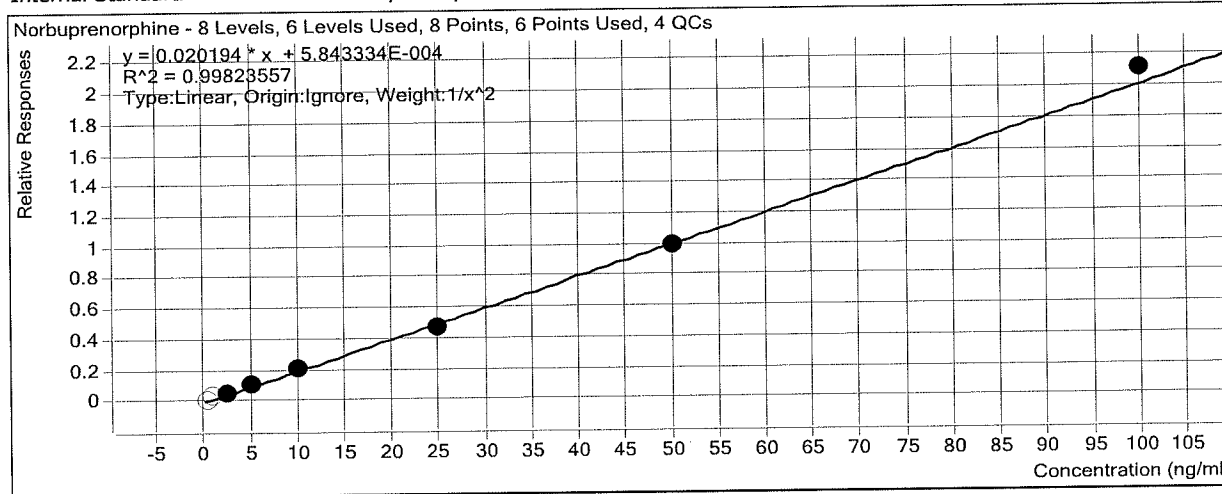
ISP TOX

**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	0.5	106.5
b cal 2-10ng	2	<input type="checkbox"/>	1	1.5	149.6
b QC 10	2	<input type="checkbox"/>	1	0.8	75.5
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.5	99.4
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	5.1	101.6
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	10.1	101.1
b qc 100	5	<input checked="" type="checkbox"/>	10	10.4	103.7
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	23.6	94.4
b QC 250	6	<input checked="" type="checkbox"/>	25	25.6	102.6
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	49.5	99.0
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	104.5	104.5
b qc 1000	8	<input checked="" type="checkbox"/>	100	106.7	106.7

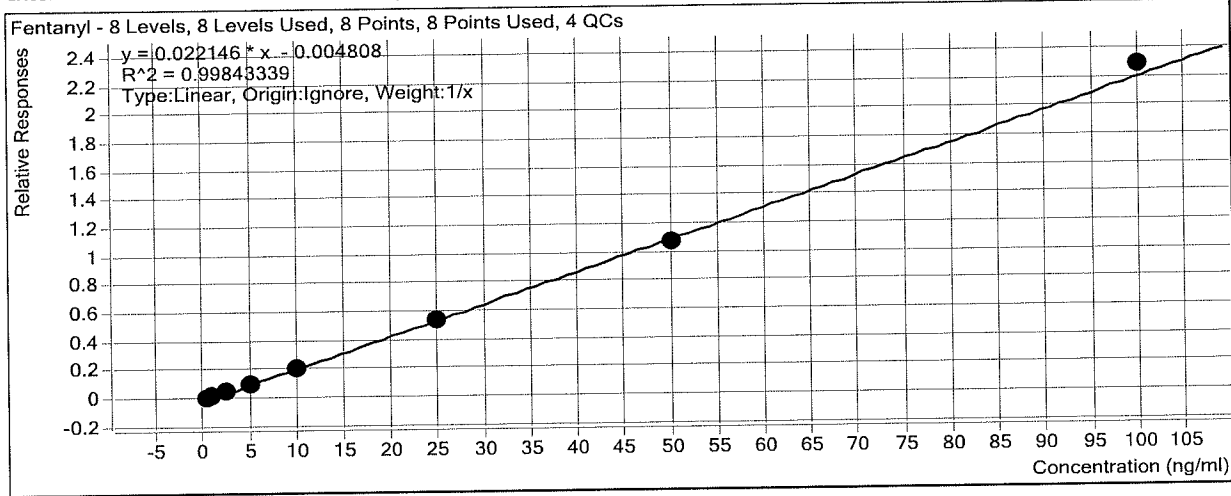
# ISP Forensics Calibration Curve Report

**Batch Data Path**  
**Last Calib Update**

D:\2018 Data\101018 mdq\QuantResults\mdq p1b.batch.bin  
10/11/2018 12:02 PM

**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	123.0
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.0	101.9
b QC 10	2	<input checked="" type="checkbox"/>	1	0.9	94.4
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.2	89.4
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.7	93.7
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.5	94.6
b qc 100	5	<input checked="" type="checkbox"/>	10	7.7	76.8
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	24.3	97.4
b QC 250	6	<input checked="" type="checkbox"/>	25	22.0	87.9
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	48.4	96.8
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	103.2	103.2
b qc 1000	8	<input checked="" type="checkbox"/>	100	100.4	100.4



# ISP Forensics Calibration Curve Report

**Batch Data Path**  
**Last Calib Update**

D:\2018 Data\101018 mdq\QuantResults\mdq p1b.batch.bin  
10/11/2018 12:02 PM

**Analyst Name**

ISP TOX

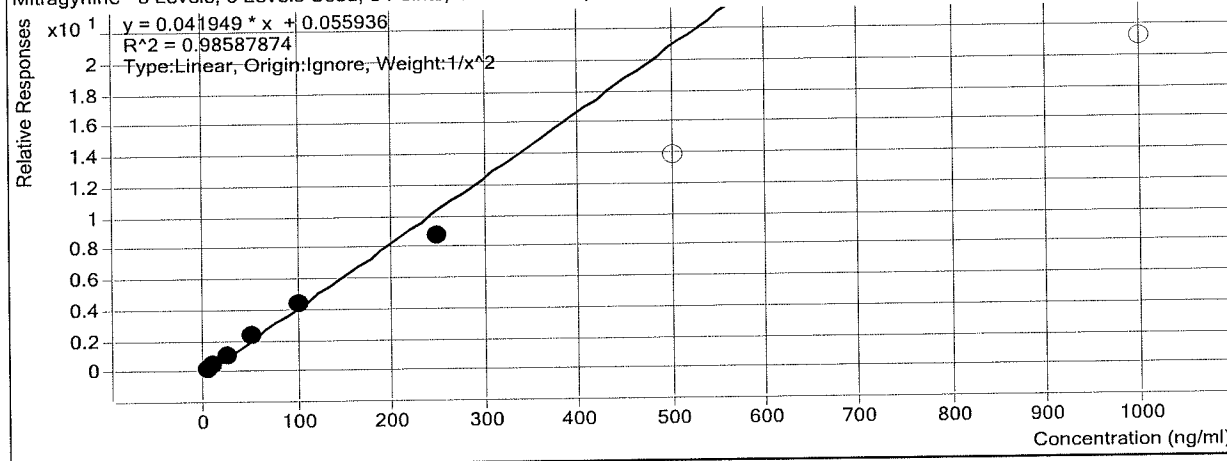
**Target Compound**

*Mitragynine*

*Internal Standard*

*EDDP-D3*

Mitragynine - 8 Levels, 6 Levels Used, 8 Points, 6 Points Used, 4 QCs



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.9	98.6
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	100.9
b QC 10	2	<input checked="" type="checkbox"/>	10	8.9	89.4
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.5	98.2
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	56.7	113.5
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	105.0	105.0
b qc 100	5	<input checked="" type="checkbox"/>	100	76.3	76.3
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	209.5	83.8
b QC 250	6	<input checked="" type="checkbox"/>	250	176.0	70.4
b cal 7-500ng	7	<input type="checkbox"/>	500	328.5	65.7
b cal 8-1000ng	8	<input type="checkbox"/>	1000	504.3	50.4
b qc 1000	8	<input type="checkbox"/>	1000	537.6	53.8

# ISP Forensics Calibration Curve Report

**Batch Data Path**  
**Last Calib Update**

D:\2018 Data\101018 mdq\QuantResults\mdq p1b.batch.bin  
10/11/2018 12:02 PM

**Analyst Name**

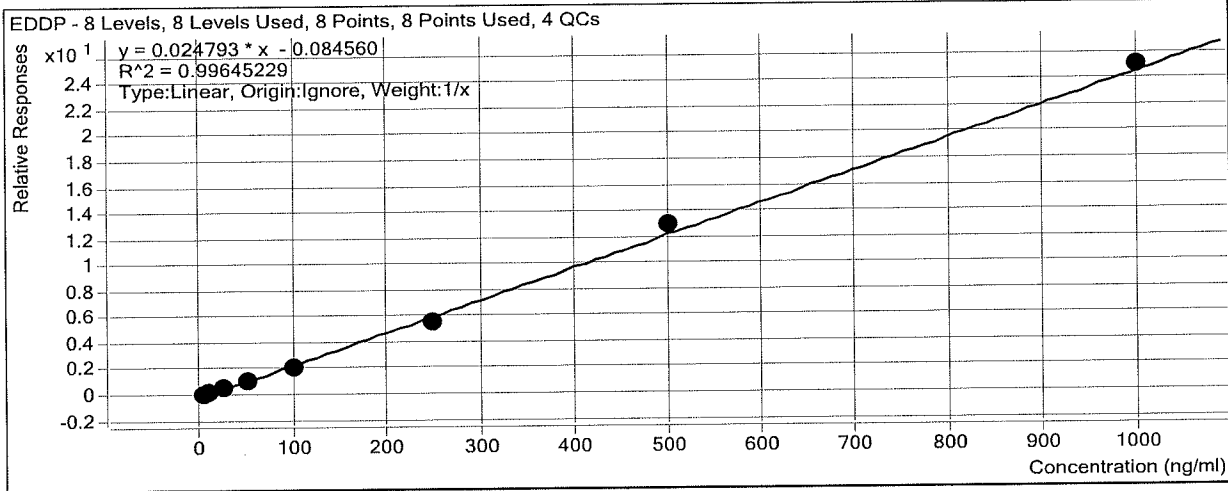
ISP TOX

**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	6.3	125.9
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	11.0	110.2
b QC 10	2	<input checked="" type="checkbox"/>	10	11.2	111.7
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	21.1	84.3
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.3	92.5
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	90.3	90.3
b qc 100	5	<input checked="" type="checkbox"/>	100	89.2	89.2
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	225.3	90.1
b QC 250	6	<input checked="" type="checkbox"/>	250	217.8	87.1
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	526.6	105.3
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1013.2	101.3
b qc 1000	8	<input checked="" type="checkbox"/>	1000	962.7	96.3

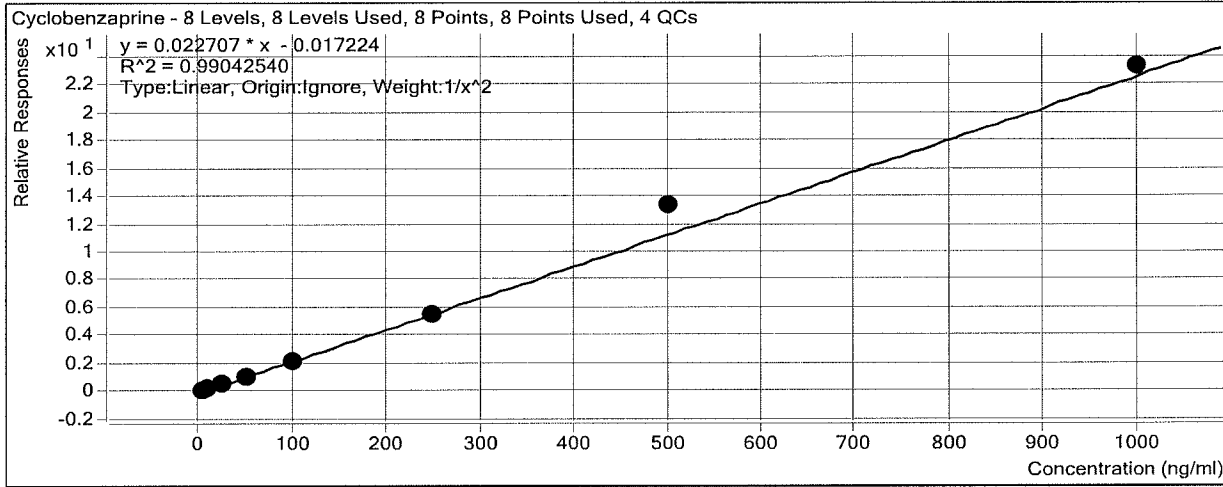
# ISP Forensics Calibration Curve Report

**Batch Data Path**  
**Last Calib Update**

D:\2018 Data\101018 mdq\QuantResults\mdq p1b.batch.bin  
10/11/2018 12:02 PM

**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	5.2	104.6
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	96.2
b QC 10	2	<input checked="" type="checkbox"/>	10	9.7	97.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.0	88.1
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.3	96.6
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	96.9	96.9
b qc 100	5	<input checked="" type="checkbox"/>	100	99.3	99.3
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	244.2	97.7
b QC 250	6	<input checked="" type="checkbox"/>	250	230.3	92.1
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	586.6	117.3
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1025.9	102.6
b qc 1000	8	<input checked="" type="checkbox"/>	1000	996.6	99.7

# ISP Forensics Calibration Curve Report

**Batch Data Path**  
**Last Calib Update**

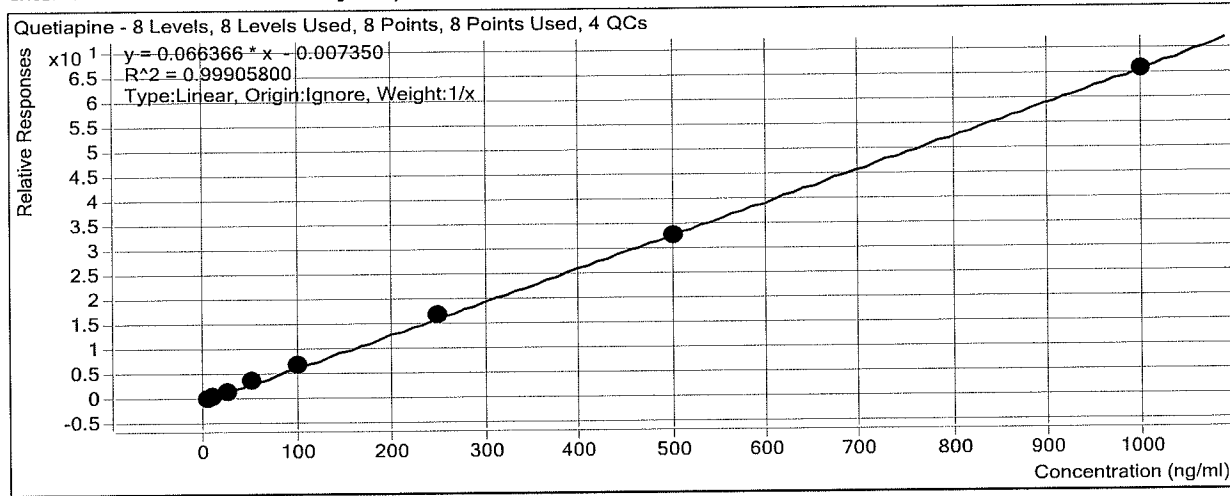
D:\2018 Data\101018 mdq\QuantResults\mdq p1b.batch.bin  
10/11/2018 12:02 PM

**Analyst Name**

ISP TOX

**Target Compound**  
**Internal Standard**

*Quetiapine*  
*Quetiapine-D8*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.4	88.8
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	96.2
b QC 10	2	<input checked="" type="checkbox"/>	10	10.3	102.7
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.3	97.2
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	58.0	115.9
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.6	101.6
b qc 100	5	<input checked="" type="checkbox"/>	100	102.8	102.8
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	255.8	102.3
b QC 250	6	<input checked="" type="checkbox"/>	250	250.1	100.0
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	493.2	98.6
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	993.0	99.3
b qc 1000	8	<input checked="" type="checkbox"/>	1000	965.0	96.5

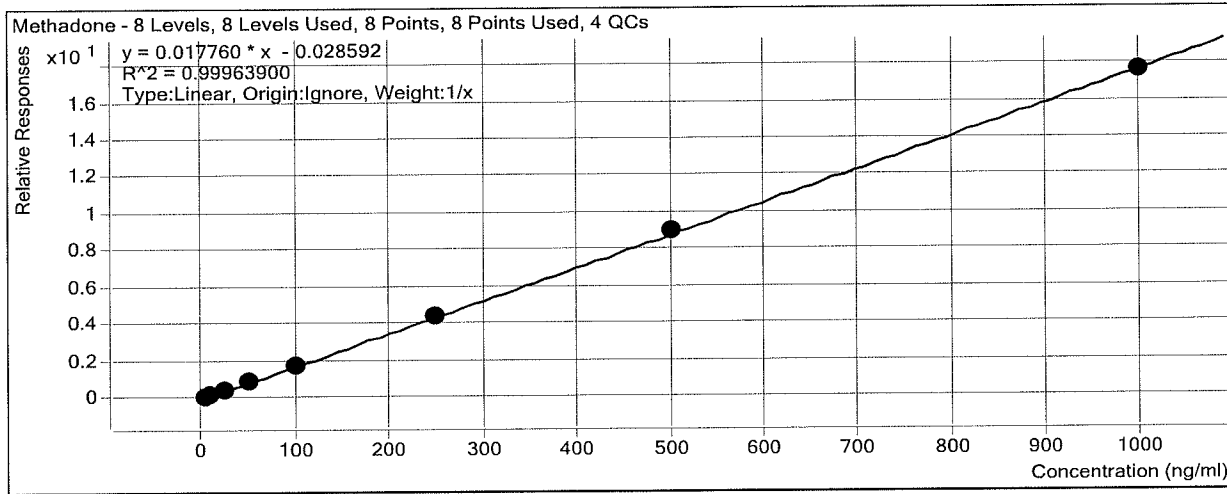
# ISP Forensics Calibration Curve Report

**Batch Data Path**  
**Last Calib Update**

D:\2018 Data\101018 mdq\QuantResults\mdq p1b.batch.bin  
10/11/2018 12:02 PM

**Analyst Name**      ISP TOX

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

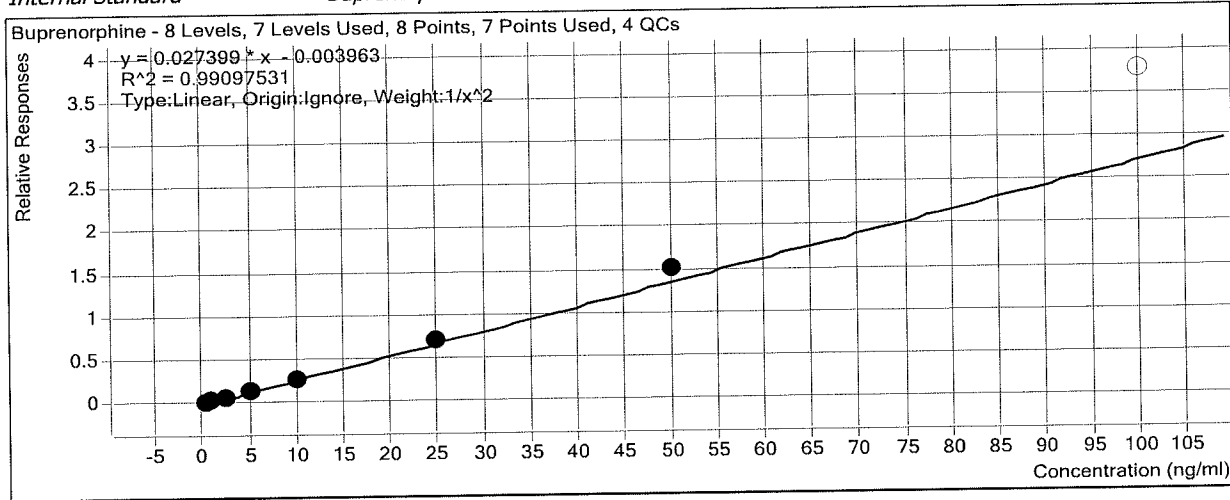


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.4	108.7
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.3	92.8
b QC 10	2	<input checked="" type="checkbox"/>	10	10.1	101.3
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.5	97.8
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.8	103.6
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	95.6	95.6
b qc 100	5	<input checked="" type="checkbox"/>	100	91.5	91.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	250.5	100.2
b QC 250	6	<input checked="" type="checkbox"/>	250	250.7	100.3
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	510.5	102.1
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	992.5	99.2
b qc 1000	8	<input checked="" type="checkbox"/>	1000	994.3	99.4

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2018 Data\101018 mdq\QuantResults\mdq p1b.batch.bin  
**Last Calib Update** 10/11/2018 12:02 PM **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 checked="" type="checkbox"/>	0.5	0.5	100.9
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.0	103.7
b QC 10	2	<input checked="" type="checkbox"/>	1	0.9	94.1
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.1	85.7
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	5.2	103.2
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.3	92.9
b qc 100	5	<input checked="" type="checkbox"/>	10	9.0	90.0
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	25.9	103.8
b QC 250	6	<input checked="" type="checkbox"/>	25	26.0	104.0
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	55.0	109.9
b cal 8-1000ng	8	<input type="checkbox"/>	100	138.0	138.0
b qc 1000	8	<input checked="" type="checkbox"/>	100	134.1	134.1

# ISP Forensics Calibration Curve Report

**Batch Data Path**  
**Last Calib Update**

D:\2018 Data\101018 mdq\QuantResults\mdq p1b.batch.bin  
10/11/2018 12:02 PM

**Analyst Name**

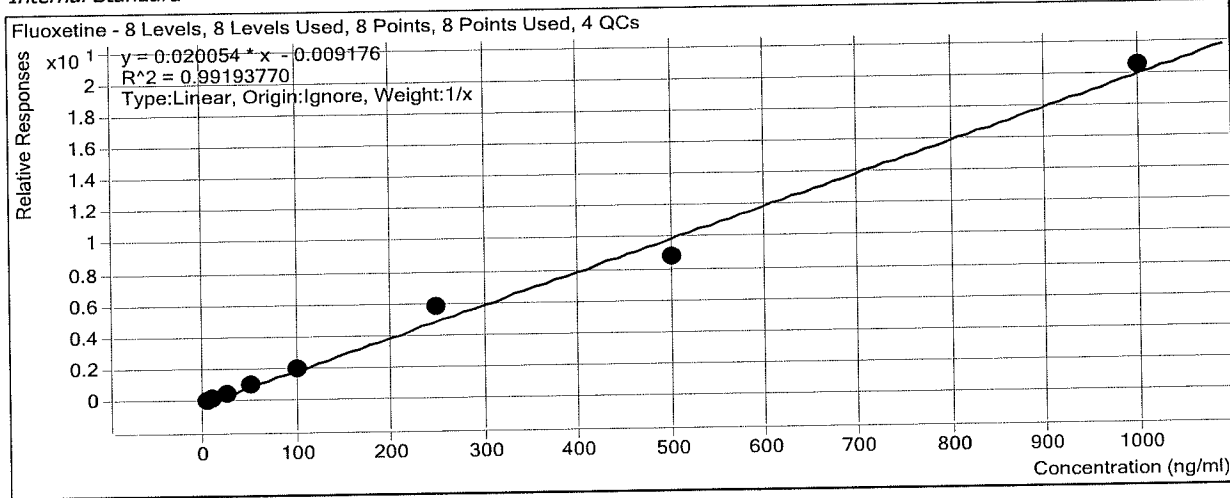
ISP TOX

**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	4.9	98.2
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	100.1
b QC 10	2	<input checked="" type="checkbox"/>	10	9.9	98.7
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.3	93.3
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.4	102.7
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.7	99.7
b qc 100	5	<input checked="" type="checkbox"/>	100	96.7	96.7
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	290.2	116.1
b QC 250	6	<input checked="" type="checkbox"/>	250	254.1	101.6
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	439.5	87.9
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1021.1	102.1
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1059.6	106.0

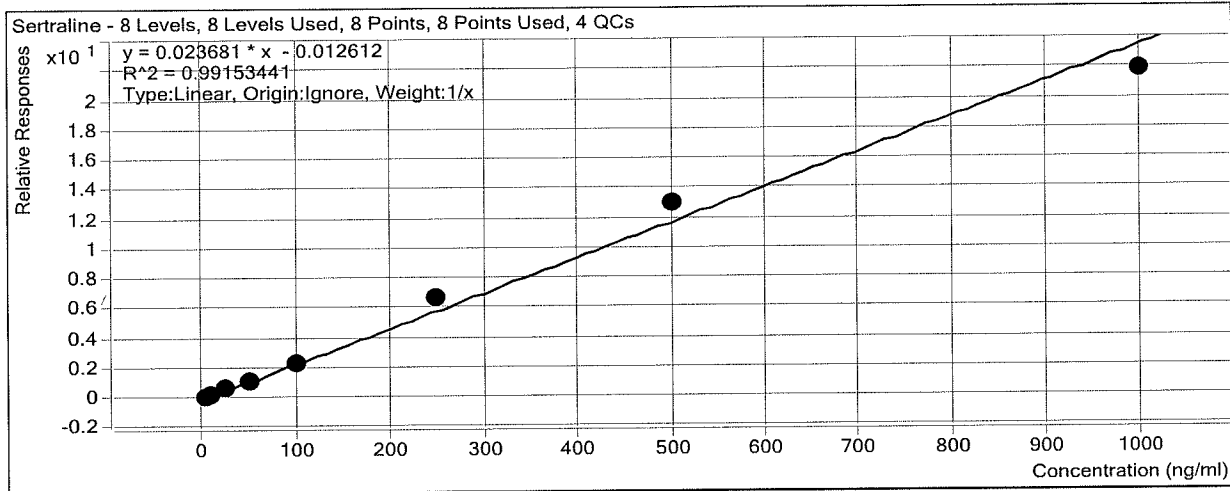
# ISP Forensics Calibration Curve Report

**Batch Data Path**  
**Last Calib Update**

D:\2018 Data\101018 mdq\QuantResults\mdq p1b.batch.bin  
10/11/2018 12:02 PM

**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	4.6	92.7
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.3	93.5
b QC 10	2	<input checked="" type="checkbox"/>	10	11.1	111.3
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.2	104.8
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.2	96.3
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.7	97.7
b qc 100	5	<input checked="" type="checkbox"/>	100	94.0	94.0
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	282.7	113.1
b QC 250	6	<input checked="" type="checkbox"/>	250	226.3	90.5
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	548.3	109.7
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	923.0	92.3
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1086.8	108.7



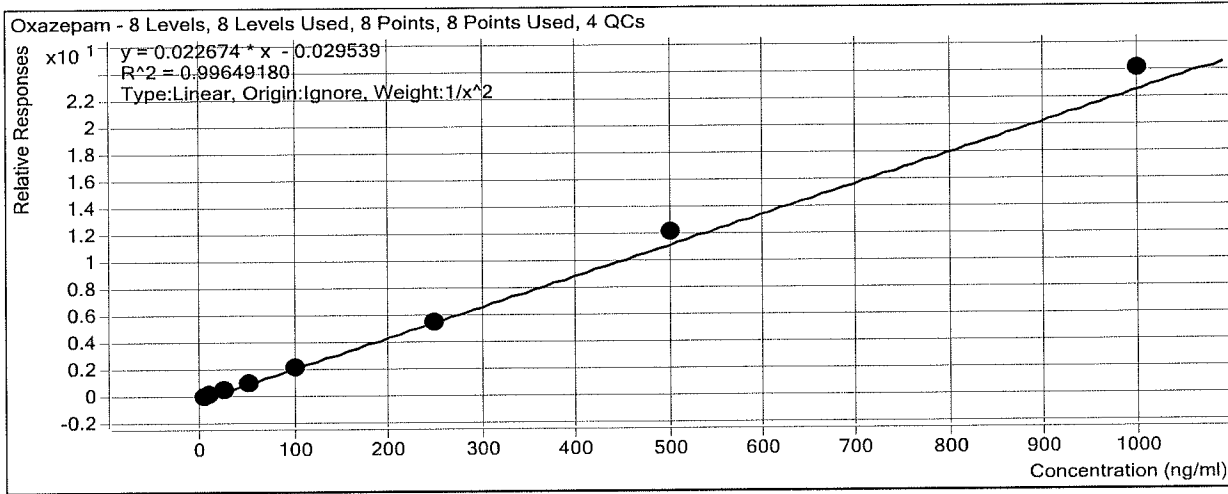
# ISP Forensics Calibration Curve Report

**Batch Data Path**  
**Last Calib Update**

D:\2018 Data\101018 mdq\QuantResults\mdq p1b.batch.bin  
10/11/2018 12:02 PM

**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	103.1
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	96.5
b QC 10	2	<input checked="" type="checkbox"/>	10	10.4	104.4
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.8	95.2
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.1	98.2
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	94.7	94.7
b qc 100	5	<input checked="" type="checkbox"/>	100	99.1	99.1
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	245.0	98.0
b QC 250	6	<input checked="" type="checkbox"/>	250	247.2	98.9
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	540.2	108.0
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1063.5	106.4
b qc 1000	8	<input checked="" type="checkbox"/>	1000	974.4	97.4

# ISP Forensics Calibration Curve Report

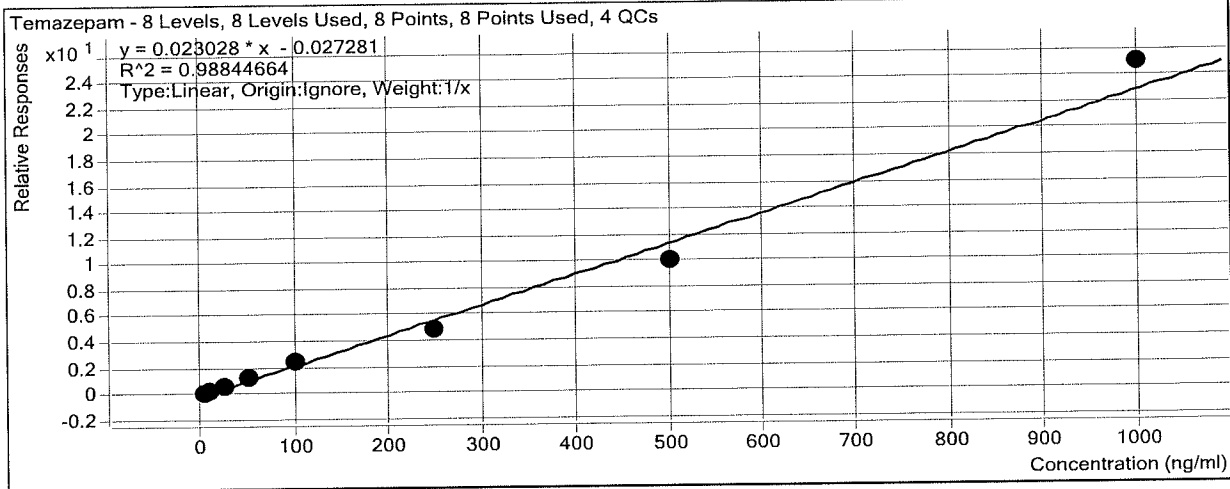
**Batch Data Path**  
**Last Calib Update**

D:\2018 Data\101018 mdq\QuantResults\mdq p1b.batch.bin  
10/11/2018 12:02 PM

**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	5.6	112.8
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.2	101.7
b QC 10	2	<input checked="" type="checkbox"/>	10	9.4	93.9
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.7	90.9
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.5	105.0
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	107.2	107.2
b qc 100	5	<input checked="" type="checkbox"/>	100	86.7	86.7
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	213.9	85.6
b QC 250	6	<input checked="" type="checkbox"/>	250	227.6	91.0
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	440.9	88.2
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1087.0	108.7
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1080.2	108.0

# ISP Forensics Calibration Curve Report

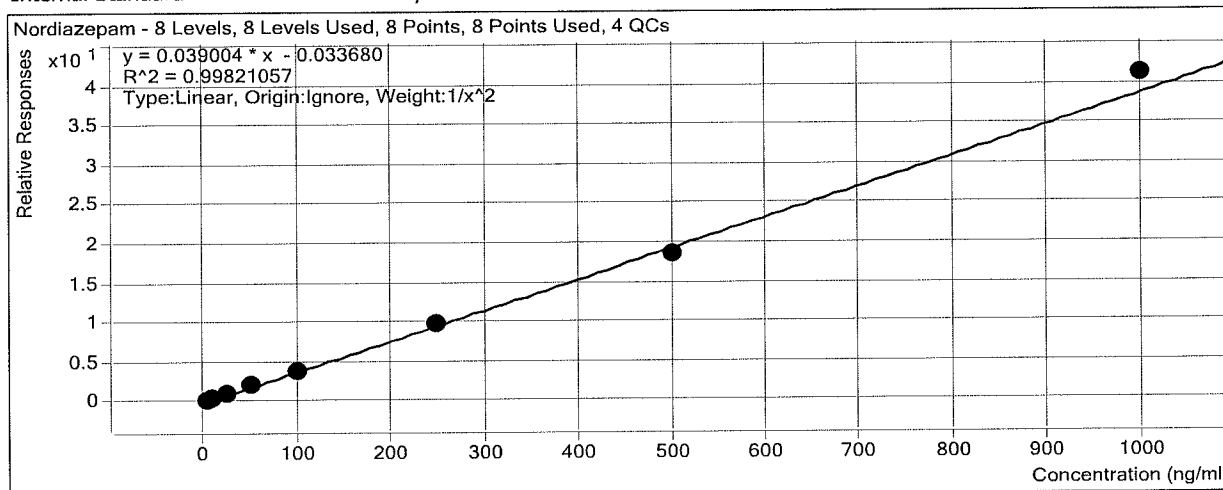
**Batch Data Path**  
**Last Calib Update**

D:\2018 Data\101018 mdq\QuantResults\mdq p1b.batch.bin  
10/11/2018 12:02 PM

**Analyst Name**

ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.0
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	95.9
b QC 10	2	<input checked="" type="checkbox"/>	10	11.0	109.6
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.7	98.8
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.5	103.1
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.5	100.5
b qc 100	5	<input checked="" type="checkbox"/>	100	106.5	106.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	248.1	99.2
b QC 250	6	<input checked="" type="checkbox"/>	250	282.4	113.0
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	473.2	94.6
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1058.1	105.8
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1006.4	100.6

# ISP Forensics Calibration Curve Report

**Batch Data Path**  
**Last Calib Update**

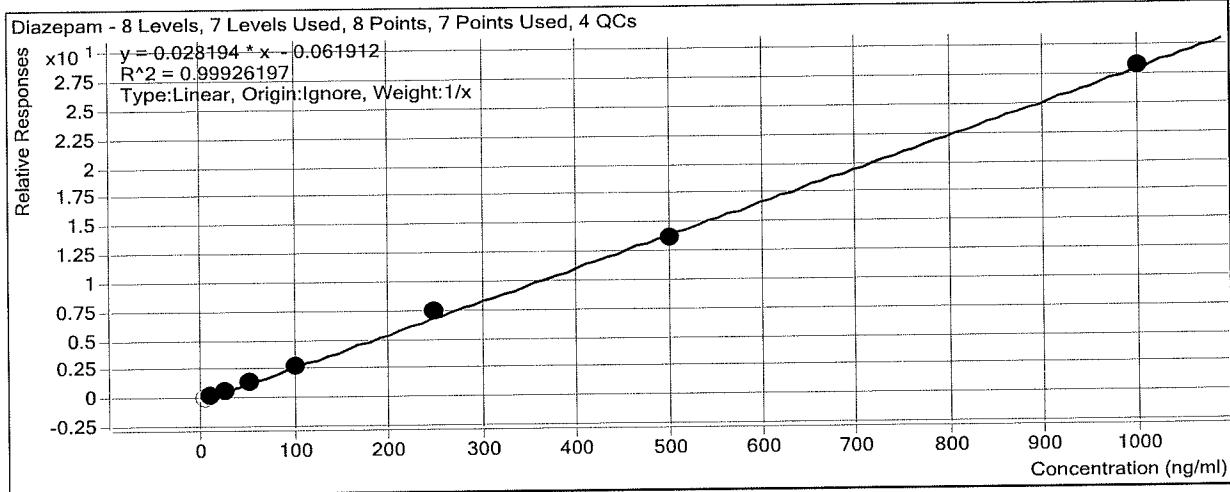
D:\2018 Data\101018 mdq\QuantResults\mdq p1b.batch.bin  
10/11/2018 12:02 PM

**Analyst Name**

ISP TOX

**Target Compound**  
*Diazepam*  
**Internal Standard**

*Diazepam*  
*Diazepam-D5*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input type="checkbox"/>	5	6.3	126.4
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	100.7
b QC 10	2	<input checked="" type="checkbox"/>	10	11.5	115.4
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.3	97.3
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.9	99.7
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.6	99.6
b qc 100	5	<input checked="" type="checkbox"/>	100	101.6	101.6
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	263.7	105.5
b QC 250	6	<input checked="" type="checkbox"/>	250	245.0	98.0
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	485.1	97.0
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1002.4	100.2
b qc 1000	8	<input checked="" type="checkbox"/>	1000	993.4	99.3

# ISP FORENSICS - Cd'A Instrument # 62340

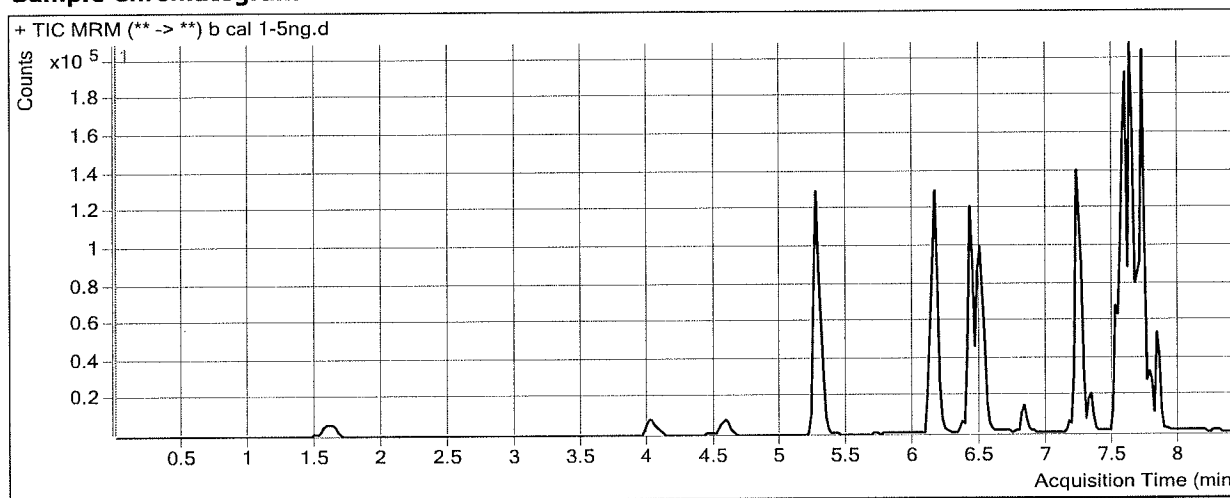
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2018 Data\101018 mdq\QuantResults\mdq p1b.batch.bin  
**Analysis Time** 10/11/2018 12:02 PM **Analyst Name** ISP Tox  
**Report Time** 10/11/2018 12:04 PM **Reporter Name** ISP Tox  
**Last Calib Update** 10/11/2018 12:02 PM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-10-10 13:41 **Data File** b cal 1-5ng.d  
**Sample Type** Calibration **Sample Name** b cal 1-5ng  
**Dilution** 1 **Acq Method** b1 mdq 618.m  
**Position** P2-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	1.608	4034	38238	0.1055	5.9657
Dihydrocodeine	Dihydrocodeine-D6	4.070	3863	41577	0.0929	4.3868
Noroxycodone	Noroxycodone-D3	4.618	3525	33530	0.1051	6.0356
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.279	35821	386695	0.0926	5.2560
Benzoylcegonine	Benzoylcegonine-d8	5.908	262	3001	0.0872	4.6728
Ketamine	Ketamine-D4	6.140	16784	147257	0.1140	5.0194
Norfentanyl	Norfentanyl-D5	6.184	2755	319559	0.0086	1.0669
Cocaine	Cocaine-d3	6.409	29626	327933	0.0903	5.1018
alpha-PVP	alpha-PVP-d8	6.505	29082	265995	0.1093	5.0188
Mirtazapine	alpha-PVP-d8	6.819	25622	265995	0.0963	4.9301
Norbuprenorphine	Norbuprenorphine-D3	7.153	159	13988	0.0113	0.5327
Fentanyl	Fentanyl-D5	7.237	3121	354275	0.0088	0.6149
Mitragynine	EDDP-D3	7.314	9122	34710	0.2628	4.9315
EDDP	EDDP-D3	7.326	2484	34710	0.0716	6.2974
Cyclobenzaprine	Cyclobenzaprine-D3	7.550	17835	175601	0.1016	5.2314
Quetiapine	Quetiapine-D8	7.517	38896	135422	0.2872	4.4385
Methadone	Methadone-D9	7.581	24236	356903	0.0679	5.4337
Buprenorphine	Buprenorphine-D4	7.755	894	90680	0.0099	0.5045
Fluoxetine	Fluoxetine-D6	7.622	34328	384664	0.0892	4.9077
Sertraline	Sertraline-D3	7.683	9315	95905	0.0971	4.6342
Oxazepam	Oxazepam-D5	7.667	11074	126819	0.0873	5.1539
Temazepam	Temazepam-D5	7.705	25889	252414	0.1026	5.6386
Nordiazepam	Nordiazepam-D5	7.793	9197	55681	0.1652	5.0982

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

*b call*

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<b>Compound</b>	<b>ISTD Compound</b>	<b>RT</b>	<b>Response</b>	<b>ISTD Resp</b>	<b>Resp Ratio</b>	<b>Final Conc</b>
Diazepam	Diazepam-D5	7.848	11794	101437	0.1163	6.3198



# ISP FORENSICS - Cd'A Instrument # 62340

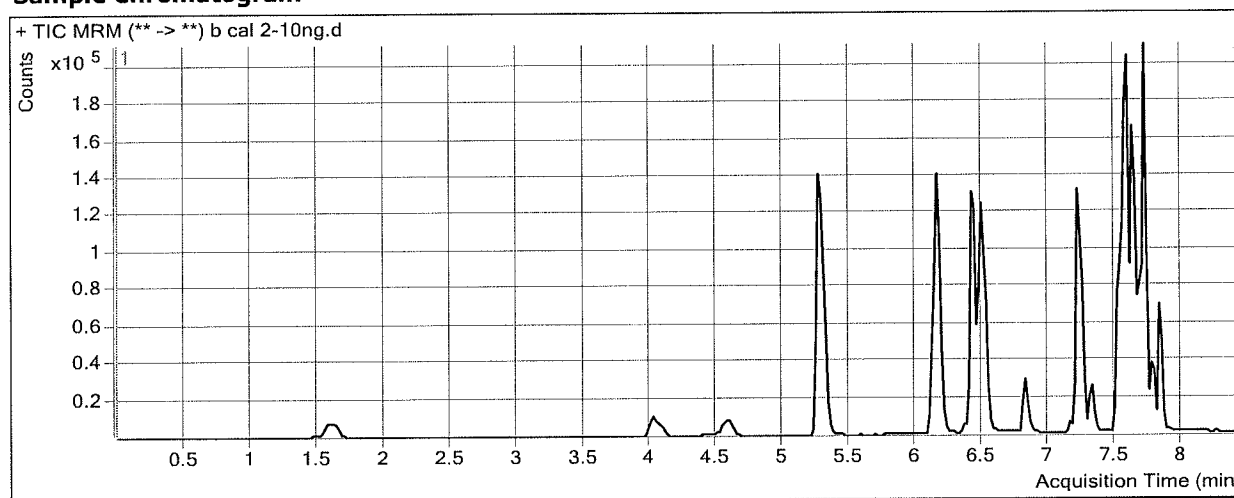
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2018 Data\101018 mdq\QuantResults\mdq p1b.batch.bin  
**Analysis Time** 10/11/2018 12:02 PM **Analyst Name** ISP Tox  
**Report Time** 10/11/2018 12:04 PM **Reporter Name** ISP Tox  
**Last Calib Update** 10/11/2018 12:02 PM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-10-10 14:07 **Data File** b cal 2-10ng.d  
**Sample Type** Calibration **Sample Name** b cal 2-10ng  
**Dilution** 1 **Acq Method** b1 mdq 618.m  
**Position** P2-B1 **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	1.628	8151	39651	0.2056	10.0724
Dihydrocodeine	Dihydrocodeine-D6	4.090	8366	43618	0.1918	9.5814
Noroxycodone	Noroxycodone-D3	4.618	7531	34844	0.2161	10.2201
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.299	78422	411290	0.1907	9.9695
Benzoylcegonine	Benzoylcegonine-d8	5.908	480	2851	0.1684	10.1364
Ketamine	Ketamine-D4	6.140	36864	154550	0.2385	10.0629
Norfentanyl	Norfentanyl-D5	6.202	5864	329443	0.0178	1.4422
Cocaine	Cocaine-d3	6.409	61650	340082	0.1813	9.7545
alpha-PVP	alpha-PVP-d8	6.505	64049	274134	0.2336	10.0412
Mirtazapine	alpha-PVP-d8	6.819	53271	274134	0.1943	9.9367
Norbuprenorphine	Norbuprenorphine-D3	7.172	435	14115	0.0308	1.4957
Fentanyl	Fentanyl-D5	7.237	5759	324348	0.0178	1.0189
Mitragynine	EDDP-D3	7.314	16230	33861	0.4793	10.0927
EDDP	EDDP-D3	7.326	6386	33861	0.1886	11.0171
Cyclobenzaprine	Cyclobenzaprine-D3	7.550	28327	140766	0.2012	9.6205
Quetiapine	Quetiapine-D8	7.517	79874	126555	0.6311	9.6207
Methadone	Methadone-D9	7.581	47830	351303	0.1362	9.2762
Buprenorphine	Buprenorphine-D4	7.755	2096	85784	0.0244	1.0365
Fluoxetine	Fluoxetine-D6	7.622	51314	267791	0.1916	10.0127
Sertraline	Sertraline-D3	7.683	12270	58772	0.2088	9.3487
Oxazepam	Oxazepam-D5	7.667	23080	121897	0.1893	9.6533
Temazepam	Temazepam-D5	7.705	51336	248138	0.2069	10.1687
Nordiazepam	Nordiazepam-D5	7.793	19199	56375	0.3406	9.5949

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

*g-cal 2*

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<b>Compound</b>	<b>ISTD Compound</b>	<b>RT</b>	<b>Response</b>	<b>ISTD Resp</b>	<b>Resp Ratio</b>	<b>Final Conc</b>
Diazepam	Diazepam-D5	7.829	24502	110329	0.2221	10.0725





# ISP FORENSICS - Cd'A Instrument # 62340

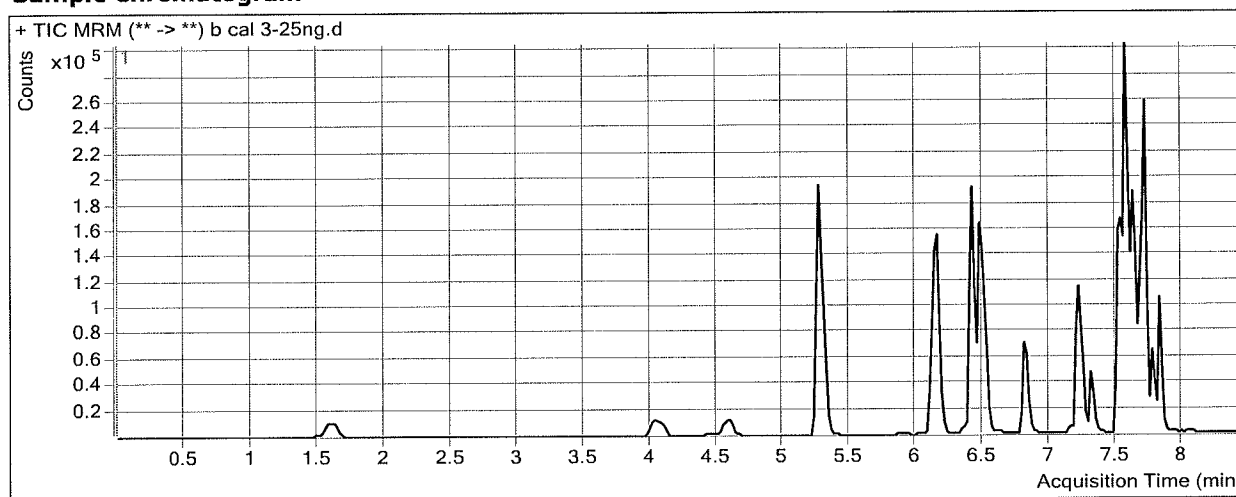
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2018 Data\101018 mdq\QuantResults\mdq p1b.batch.bin  
**Analysis Time** 10/11/2018 12:02 PM **Analyst Name** ISP Tox  
**Report Time** 10/11/2018 12:04 PM **Reporter Name** ISP Tox  
**Last Calib Update** 10/11/2018 12:02 PM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-10-10 14:32 **Data File** b cal 3-25ng.d  
**Sample Type** Calibration **Sample Name** b cal 3-25ng  
**Dilution** 1 **Acq Method** b1 mdq 618.m  
**Position** P2-C1 **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	1.608	20645	40885	0.5049	22.3615
Dihydrocodeine	Dihydrocodeine-D6	4.070	21879	46047	0.4751	24.4636
Noroxycodone	Noroxycodone-D3	4.598	18496	36127	0.5120	21.3729
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.279	203845	426394	0.4781	23.7866
Benzoylcegonine	Benzoylcegonine-d8	5.908	1160	3027	0.3832	24.5840
Ketamine	Ketamine-D4	6.140	94608	163506	0.5786	23.8346
Norfentanyl	Norfentanyl-D5	6.184	17676	341924	0.0517	2.8282
Cocaine	Cocaine-d3	6.409	158493	355195	0.4462	23.3089
alpha-PVP	alpha-PVP-d8	6.505	164002	283469	0.5786	23.9767
Mirtazapine	alpha-PVP-d8	6.799	134790	283469	0.4755	24.3014
Norbuprenorphine	Norbuprenorphine-D3	7.153	702	13815	0.0508	2.4859
Fentanyl	Fentanyl-D5	7.217	13361	298994	0.0447	2.2350
Mitragynine	EDDP-D3	7.294	38068	35071	1.0854	24.5417
EDDP	EDDP-D3	7.306	15358	35071	0.4379	21.0728
Cyclobenzaprine	Cyclobenzaprine-D3	7.550	58180	120425	0.4831	22.0346
Quetiapine	Quetiapine-D8	7.517	226697	141203	1.6055	24.3018
Methadone	Methadone-D9	7.560	139323	343419	0.4057	24.4536
Buprenorphine	Buprenorphine-D4	7.755	4758	86876	0.0548	2.1435
Fluoxetine	Fluoxetine-D6	7.622	121248	264518	0.4584	23.3148
Sertraline	Sertraline-D3	7.683	32880	54103	0.6077	26.1961
Oxazepam	Oxazepam-D5	7.646	55368	108591	0.5099	23.7905
Temazepam	Temazepam-D5	7.705	139244	280682	0.4961	22.7274
Nordiazepam	Nordiazepam-D5	7.773	48341	51972	0.9301	24.7106

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

b-cal 3

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<b>Compound</b>	<b>ISTD Compound</b>	<b>RT</b>	<b>Response</b>	<b>ISTD Resp</b>	<b>Resp Ratio</b>	<b>Final Conc</b>
Diazepam	Diazepam-D5	7.829	65226	104599	0.6236	24.3130



# ISP FORENSICS - Cd'A Instrument # 62340

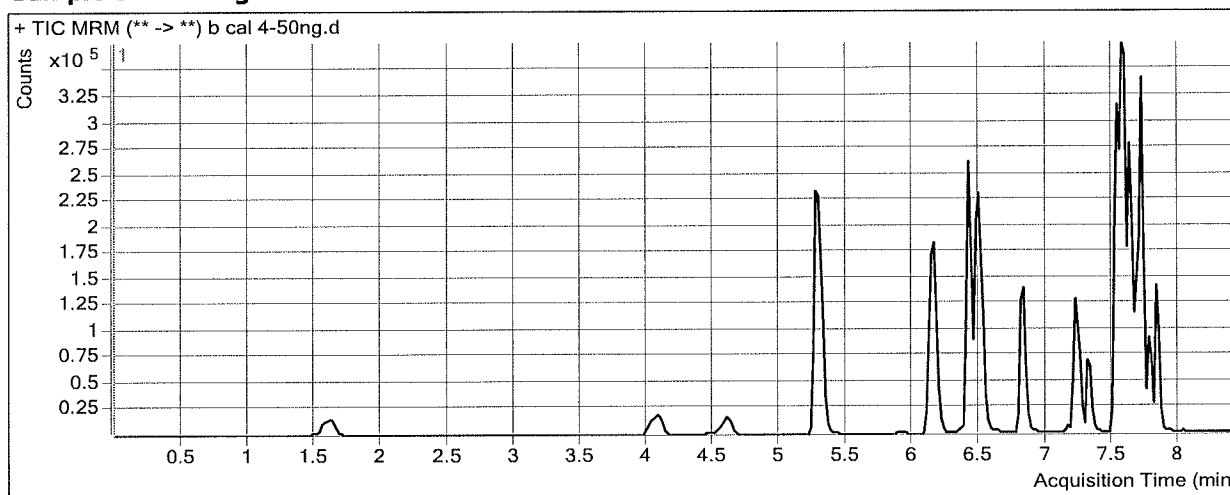
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2018 Data\101018 mdq\QuantResults\mdq p1b.batch.bin  
**Analysis Time** 10/11/2018 12:02 PM **Analyst Name** ISP Tox  
**Report Time** 10/11/2018 12:04 PM **Reporter Name** ISP Tox  
**Last Calib Update** 10/11/2018 12:02 PM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-10-10 14:58 **Data File** b cal 4-50ng.d  
**Sample Type** Calibration **Sample Name** b cal 4-50ng  
**Dilution** 1 **Acq Method** b1 mdq 618.m  
**Position** P2-D1 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28 Panel 1

### Sample Chromatogram



### Results

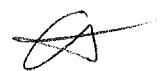
Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.628	42133	37327	1.1288	47.9674
Dihydrocodeine	Dihydrocodeine-D6	4.090	43587	42984	1.0140	52.7682
Noroxycodone	Noroxycodone-D3	4.618	39469	31240	1.2634	49.7000
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.299	424387	405500	1.0466	51.1192
Benzoylcegonine	Benzoylcegonine-d8	5.908	2063	2818	0.7320	48.0596
Ketamine	Ketamine-D4	6.140	191415	154570	1.2384	50.5507
Norfentanyl	Norfentanyl-D5	6.184	33854	324866	0.1042	4.9756
Cocaine	Cocaine-d3	6.409	327929	323418	1.0139	52.3552
alpha-PVP	alpha-PVP-d8	6.505	335573	264927	1.2667	51.7784
Mirtazapine	alpha-PVP-d8	6.819	277904	264927	1.0490	53.5992
Norbuprenorphine	Norbuprenorphine-D3	7.153	1352	13112	0.1031	5.0781
Fentanyl	Fentanyl-D5	7.217	28527	288343	0.0989	4.6846
Mitragynine	EDDP-D3	7.294	79764	32749	2.4356	56.7283
EDDP	EDDP-D3	7.306	34794	32749	1.0624	46.2629
Cyclobenzaprine	Cyclobenzaprine-D3	7.550	136228	126219	1.0793	48.2895
Quetiapine	Quetiapine-D8	7.517	444902	115873	3.8396	57.9648
Methadone	Methadone-D9	7.581	281982	316275	0.8916	51.8122
Buprenorphine	Buprenorphine-D4	7.755	10863	79080	0.1374	5.1582
Fluoxetine	Fluoxetine-D6	7.622	275947	270374	1.0206	51.3512
Sertraline	Sertraline-D3	7.683	68602	60834	1.1277	48.1541
Oxazepam	Oxazepam-D5	7.667	96182	88772	1.0835	49.0882
Temazepam	Temazepam-D5	7.705	256402	216963	1.1818	52.5034
Nordiazepam	Nordiazepam-D5	7.773	94722	47914	1.9769	51.5487

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

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<b>Compound</b>	<b>ISTD Compound</b>	<b>RT</b>	<b>Response</b>	<b>ISTD Resp</b>	<b>Resp Ratio</b>	<b>Final Conc</b>
Diazepam	Diazepam-D5	7.829	130486	97116	1.3436	49.8510



# ISP FORENSICS - Cd'A Instrument # 62340

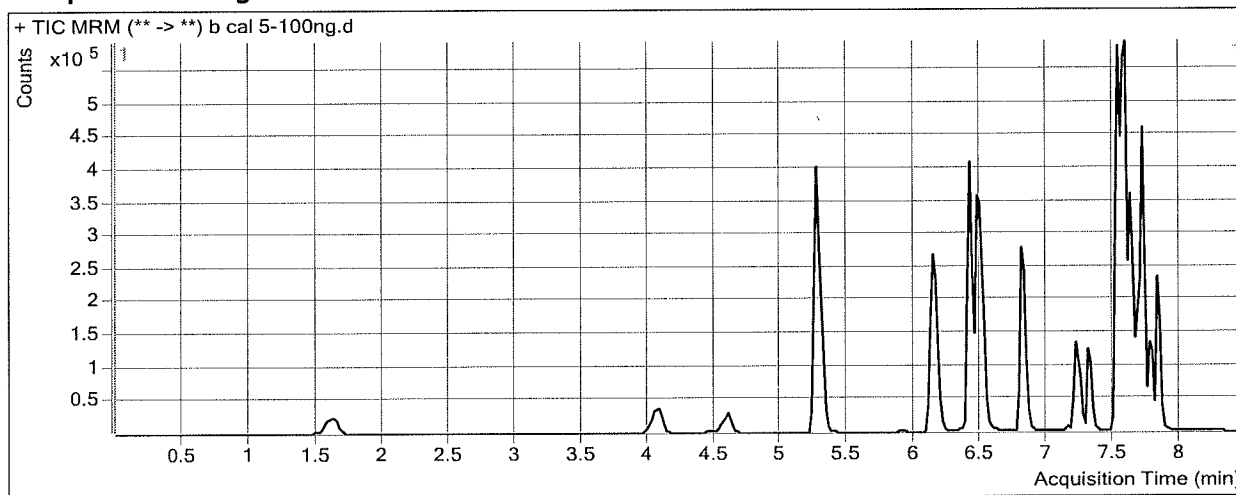
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2018 Data\101018 mdq\QuantResults\mdq p1b.batch.bin  
**Analysis Time** 10/11/2018 12:02 PM **Analyst Name** ISP Tox  
**Report Time** 10/11/2018 12:04 PM **Reporter Name** ISP Tox  
**Last Calib Update** 10/11/2018 12:02 PM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-10-10 15:23 **Data File** b cal 5-100ng.d  
**Sample Type** Calibration **Sample Name** b cal 5-100ng  
**Dilution** 1 **Acq Method** b1 mdq 618.m  
**Position** P2-E1 **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	1.628	86567	38221	2.2649	94.6048
Dihydrocodeine	Dihydrocodeine-D6	4.070	88969	44334	2.0068	104.9120
Noroxycodone	Noroxycodone-D3	4.598	74295	30709	2.4193	93.2755
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.279	853690	419936	2.0329	98.5394
Benzoylcegonine	Benzoylcegonine-d8	5.908	4376	2954	1.4818	98.5077
Ketamine	Ketamine-D4	6.140	387067	154877	2.4992	101.6061
Norfentanyl	Norfentanyl-D5	6.184	67802	325864	0.2081	9.2227
Cocaine	Cocaine-d3	6.409	648389	330153	1.9639	100.9571
alpha-PVP	alpha-PVP-d8	6.505	650417	271925	2.3919	97.2414
Mirtazapine	alpha-PVP-d8	6.799	533277	271925	1.9611	100.1979
Norbuprenorphine	Norbuprenorphine-D3	7.153	2498	12198	0.2048	10.1131
Fentanyl	Fentanyl-D5	7.217	53871	263091	0.2048	9.4633
Mitragynine	EDDP-D3	7.294	142974	32046	4.4616	105.0231
EDDP	EDDP-D3	7.306	69048	32046	2.1547	90.3160
Cyclobenzaprine	Cyclobenzaprine-D3	7.550	247009	113174	2.1826	96.8756
Quetiapine	Quetiapine-D8	7.517	857865	127352	6.7362	101.6106
Methadone	Methadone-D9	7.581	528353	316578	1.6689	95.5843
Buprenorphine	Buprenorphine-D4	7.755	19338	77190	0.2505	9.2882
Fluoxetine	Fluoxetine-D6	7.622	453576	227953	1.9898	99.6795
Sertraline	Sertraline-D3	7.683	113866	49482	2.3012	97.7083
Oxazepam	Oxazepam-D5	7.646	144307	68175	2.1167	94.6579
Temazepam	Temazepam-D5	7.705	481056	197073	2.4410	107.1852
Nordiazepam	Nordiazepam-D5	7.793	171276	44083	3.8853	100.4757

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

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<b>Compound</b>	<b>ISTD Compound</b>	<b>RT</b>	<b>Response</b>	<b>ISTD Resp</b>	<b>Resp Ratio</b>	<b>Final Conc</b>
Diazepam	Diazepam-D5	7.829	258752	94244	2.7456	99.5758

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# ISP FORENSICS - Cd'A Instrument # 62340

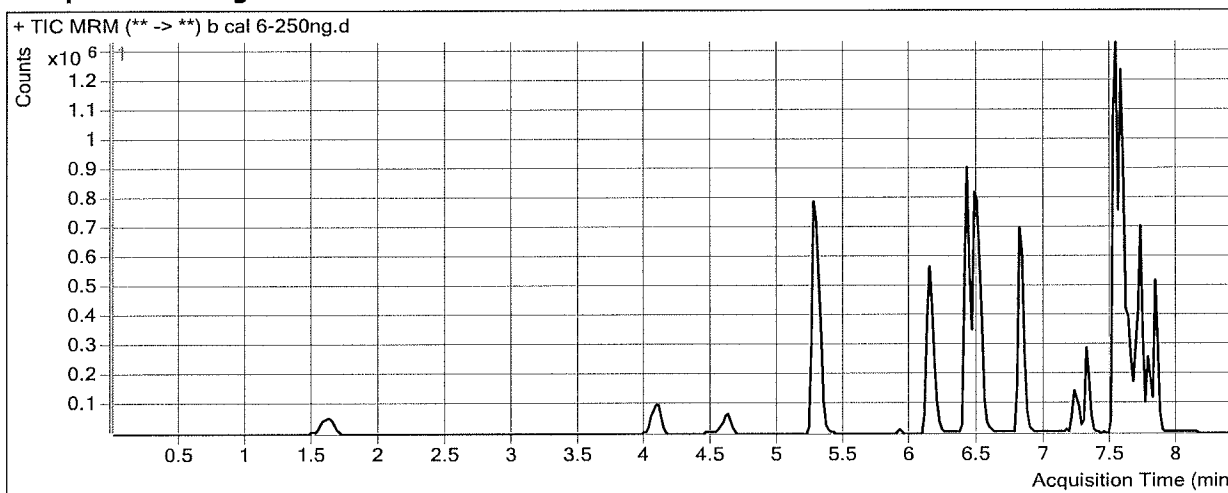
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2018 Data\101018 mdq\QuantResults\mdq p1b.batch.bin  
**Analysis Time** 10/11/2018 12:02 PM **Analyst Name** ISP Tox  
**Report Time** 10/11/2018 12:04 PM **Reporter Name** ISP Tox  
**Last Calib Update** 10/11/2018 12:02 PM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-10-10 15:48 **Data File** b cal 6-250ng.d  
**Sample Type** Calibration **Sample Name** b cal 6-250ng  
**Dilution** 1 **Acq Method** b1 mdq 618.m  
**Position** P2-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	1.628	226013	37573	6.0153	248.5497
Dihydrocodeine	Dihydrocodeine-D6	4.090	252594	48844	5.1714	271.1340
Noroxycodone	Noroxycodone-D3	4.618	197960	31561	6.2723	238.5286
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.279	2249438	440071	5.1115	246.5516
Benzoylcegonine	Benzoylcegonine-d8	5.908	13352	3385	3.9440	264.1829
Ketamine	Ketamine-D4	6.140	1049754	167521	6.2664	254.1565
Norfentanyl	Norfentanyl-D5	6.184	188944	337544	0.5598	23.6042
Cocaine	Cocaine-d3	6.409	1742231	350009	4.9777	255.1467
alpha-PVP	alpha-PVP-d8	6.505	1745447	283291	6.1613	249.5376
Mirtazapine	alpha-PVP-d8	6.799	1364624	283291	4.8170	246.0998
Norbuprenorphine	Norbuprenorphine-D3	7.153	5815	12185	0.4772	23.6038
Fentanyl	Fentanyl-D5	7.217	110114	206081	0.5343	24.3447
Mitragynine	EDDP-D3	7.294	296631	33541	8.8439	209.4901
EDDP	EDDP-D3	7.306	184512	33541	5.5011	225.2911
Cyclobenzaprine	Cyclobenzaprine-D3	7.550	408187	73845	5.5276	244.1863
Quetiapine	Quetiapine-D8	7.517	2189677	129020	16.9716	255.8360
Methadone	Methadone-D9	7.560	1203799	272337	4.4203	250.5036
Buprenorphine	Buprenorphine-D4	7.755	44573	63067	0.7068	25.9396
Fluoxetine	Fluoxetine-D6	7.622	617756	106320	5.8104	290.1955
Sertraline	Sertraline-D3	7.683	155931	23338	6.6814	282.6798
Oxazepam	Oxazepam-D5	7.646	199014	36015	5.5259	245.0163
Temazepam	Temazepam-D5	7.705	895293	182771	4.8984	213.8996
Nordiazepam	Nordiazepam-D5	7.773	337735	35029	9.6416	248.0578

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

*b-cal/b*

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<b>Compound</b>	<b>ISTD Compound</b>	<b>RT</b>	<b>Response</b>	<b>ISTD Resp</b>	<b>Resp Ratio</b>	<b>Final Conc</b>
Diazepam	Diazepam-D5	7.829	633238	85880	7.3736	263.7216



# ISP FORENSICS - Cd'A Instrument # 62340

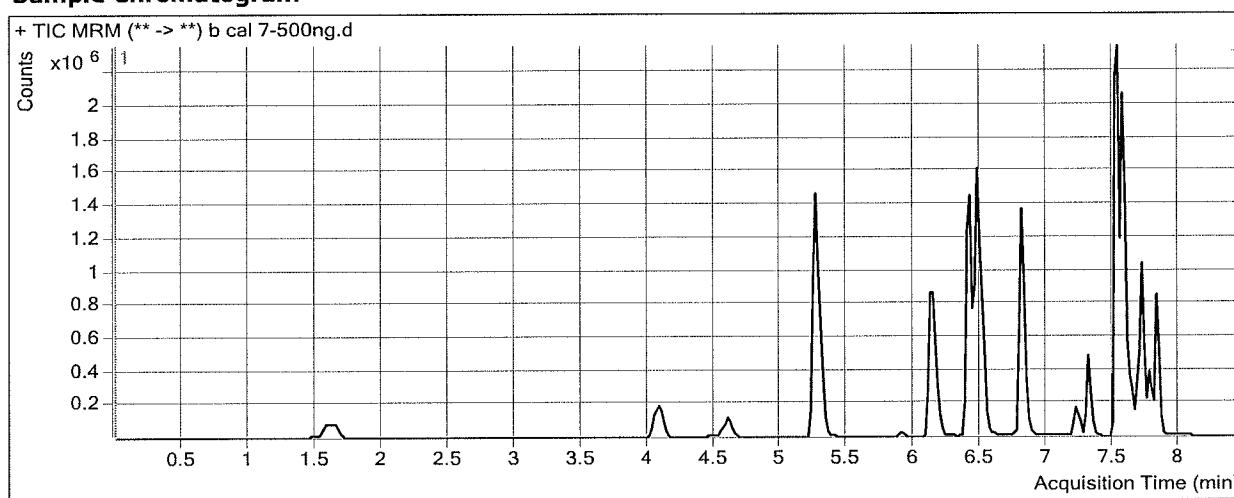
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2018 Data\101018 mdq\QuantResults\mdq p1b.batch.bin  
**Analysis Time** 10/11/2018 12:02 PM **Analyst Name** ISP Tox  
**Report Time** 10/11/2018 12:04 PM **Reporter Name** ISP Tox  
**Last Calib Update** 10/11/2018 12:02 PM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-10-10 16:14 **Data File** b cal 7-500ng.d  
**Sample Type** Calibration **Sample Name** b cal 7-500ng  
**Dilution** 1 **Acq Method** b1 mdq 618.m  
**Position** P2-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	1.628	406222	33791	12.0215	495.0894
Dihydrocodeine	Dihydrocodeine-D6	4.070	474445	47495	9.9894	524.1950
Noroxycodone	Noroxycodone-D3	4.598	349817	25750	13.5850	514.2053
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.279	4366269	419158	10.4168	501.6139
Benzoylcegonine	Benzoylcegonine-d8	5.888	31541	3093	10.1966	684.9131
Ketamine	Ketamine-D4	6.120	1993864	158661	12.5669	509.2874
Norfentanyl	Norfentanyl-D5	6.184	367269	312034	1.1770	48.8452
Cocaine	Cocaine-d3	6.409	3094983	326124	9.4902	486.0162
alpha-PVP	alpha-PVP-d8	6.485	3409376	271100	12.5761	508.7139
Mirtazapine	alpha-PVP-d8	6.799	2594574	271100	9.5706	488.9448
Norbuprenorphine	Norbuprenorphine-D3	7.153	9534	9537	0.9997	49.4752
Fentanyl	Fentanyl-D5	7.217	171622	160864	1.0669	48.3928
Mitragynine	EDDP-D3	7.294	437441	31615	13.8364	328.5044
EDDP	EDDP-D3	7.306	410083	31615	12.9710	526.5822
Cyclobenzaprine	Cyclobenzaprine-D3	7.550	533990	40144	13.3018	586.5552
Quetiapine	Quetiapine-D8	7.517	4179097	127708	32.7238	493.1882
Methadone	Methadone-D9	7.560	2133247	236056	9.0371	510.4643
Buprenorphine	Buprenorphine-D4	7.755	79748	53103	1.5018	54.9551
Fluoxetine	Fluoxetine-D6	7.622	471469	53553	8.8038	439.4666
Sertraline	Sertraline-D3	7.683	109038	8406	12.9712	548.2916
Oxazepam	Oxazepam-D5	7.646	256340	20980	12.2182	540.1734
Temazepam	Temazepam-D5	7.705	1588264	156848	10.1261	440.9121
Nordiazepam	Nordiazepam-D5	7.773	521488	28307	18.4228	473.1945

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

b-cal 7

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<b>Compound</b>	<b>ISTD Compound</b>	<b>RT</b>	<b>Response</b>	<b>ISTD Resp</b>	<b>Resp Ratio</b>	<b>Final Conc</b>
Diazepam	Diazepam-D5	7.829	1135864	83427	13.6151	485.0956



# ISP FORENSICS - Cd'A Instrument # 62340

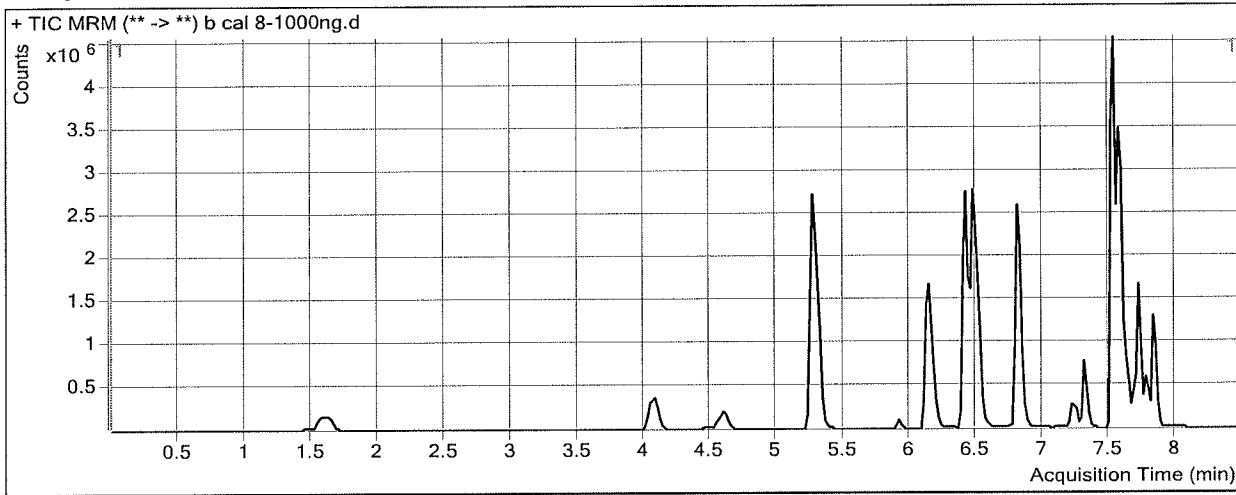
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2018 Data\101018 mdq\QuantResults\mdq p1b.batch.bin  
**Analysis Time** 10/11/2018 12:02 PM **Analyst Name** ISP Tox  
**Report Time** 10/11/2018 12:04 PM **Reporter Name** ISP Tox  
**Last Calib Update** 10/11/2018 12:02 PM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-10-10 16:39 **Data File** b cal 8-1000ng.d  
**Sample Type** Calibration **Sample Name** b cal 8-1000ng  
**Dilution** 1 **Acq Method** b1 mdq 618.m  
**Position** P2-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	1.608	771193	31226	24.6970	1015.3891
Dihydrocodeine	Dihydrocodeine-D6	4.070	931969	51579	18.0687	948.5591
Noroxycodone	Noroxycodone-D3	4.598	645433	24221	26.6480	1006.6620
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.279	8990635	431228	20.8489	1003.1637
Benzoylcegonine	Benzoylcegonine-d8	5.908	110892	3427	32.3542	2175.8468
Ketamine	Ketamine-D4	6.140	3992374	166024	24.0469	974.1632
Norfentanyl	Norfentanyl-D5	6.184	760720	304053	2.5019	103.0241
Cocaine	Cocaine-d3	6.409	6281850	314458	19.9768	1022.5289
alpha-PVP	alpha-PVP-d8	6.485	6473524	259246	24.9706	1009.4873
Mirtazapine	alpha-PVP-d8	6.799	5135353	259246	19.8088	1011.9900
Norbuprenorphine	Norbuprenorphine-D3	7.153	15697	7436	2.1110	104.5068
Fentanyl	Fentanyl-D5	7.217	369384	161894	2.2816	103.2460
Mitragynine	EDDP-D3	7.294	631584	29777	21.2107	504.2961
EDDP	EDDP-D3	7.306	745454	29777	25.0348	1013.1606
Cyclobenzaprine	Cyclobenzaprine-D3	7.550	1021960	43903	23.2776	1025.8761
Quetiapine	Quetiapine-D8	7.517	8012849	121596	65.8971	993.0395
Methadone	Methadone-D9	7.581	4001666	227402	17.5973	992.4722
Buprenorphine	Buprenorphine-D4	7.755	132068	34962	3.7774	138.0124
Fluoxetine	Fluoxetine-D6	7.622	1255545	61344	20.4673	1021.0721
Sertraline	Sertraline-D3	7.683	270478	12382	21.8443	922.9873
Oxazepam	Oxazepam-D5	7.646	402909	16729	24.0843	1063.5146
Temazepam	Temazepam-D5	7.705	2610429	104402	25.0036	1086.9650
Nordiazepam	Nordiazepam-D5	7.773	777175	18847	41.2365	1058.0985

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

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<b>Compound</b>	<b>ISTD Compound</b>	<b>RT</b>	<b>Response</b>	<b>ISTD Resp</b>	<b>Resp Ratio</b>	<b>Final Conc</b>
Diazepam	Diazepam-D5	7.829	1945942	69007	28.1993	1002.3704

