










*BWylee*

**Worklist: 2586**

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>	
C2018-1231	2	121971	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
C2018-1243	1	121972	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
C2018-1286	1	121973	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
C2018-1287	1	121974	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
C2018-1299	1	121975	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
C2018-1300	1	121976	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
C2018-1318	1	121977	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
C2018-1335	1	121978	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
C2018-1339	2	121979	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	

*A*

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

Extraction Date: 07/18/18  
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:** 17J20718

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

**LCMS-QQQ ID:** 62340

## Pre-Analytic:

- 1. Check levels of mobile phases and needle wash refill as needed. Ensure waste is not full.
- 2. Ensure correct column is installed and begin mobile phase flow allow to equilibrate ~ 30 minutes.
- 3. Create worklist:

## 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 0.5M ammonium hydroxide** in wells of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 6. Transfer **300µL of blood+base** mixture to corresponding wells of SLE+ plate.
- 7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent).  
*(Load at 85-100 PSI- Selector to the right) Manifold ID: 66792*
- 8. Wait 5 minutes.
- 9. Add **900uL ethyl acetate**.
- 10. Wait 5 minutes.
- 11. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left)*.
- 12. Add **900uL ethyl acetate**.
- 13. Wait 5 minutes.
- 14. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left)*.
- 15. Remove plate containing eluate. Place on SPE Dry and evaporate to dryness at approx. 35°C.  
*SPE Dry ID: 66819*
- 16. Reconstitute in **100µL 20% MeOH** and heat seal plate with foil. Place in autosampler and run worklist.

## Post-Analytic

- 1. Create batch and process data.  
Worklist path: 07182018 mdq Batch Name: mdq pla and mdq plb
- 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? Add Control data to QC tracking spreadsheet.
- 6. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports.

COMMENTS: Limited curves: amphetamine 5-500, lorazepam 10-1000, norhydrocodone 25-1000  
Phentermine 25-1000, benzoylecgonine 5-200<sup>250</sup>, mitragynine 5-250, norbuprenorphine 2.5-100, norfentanyl 2.5-100  
C-Mam 1-100

Morphine not evaluated - QCs ratio out of range 250,1000.  
S/N too low 5ng cal.



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

AMN 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



# ISP FORENSICS - Cd'A Instrument # 62340

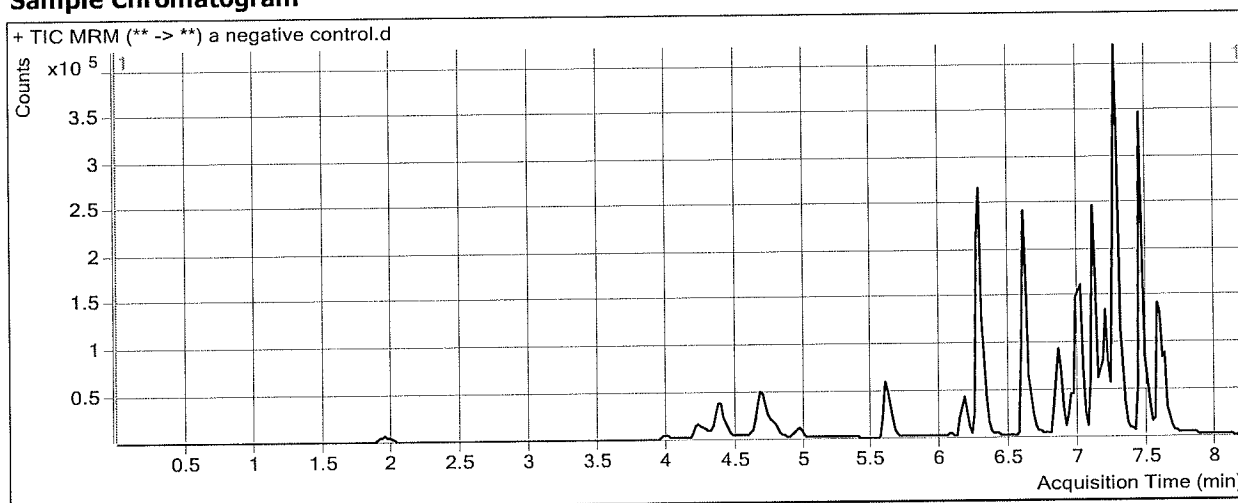
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2018 Data\07182018 mdq\QuantResults\mdq p1a.batch.bin  
**Analysis Time** 7/19/2018 9:11 AM **Analyst Name** ISP Tox  
**Report Time** 7/19/2018 9:14 AM **Reporter Name** ISP Tox  
**Last Calib Update** 7/19/2018 9:11 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-07-18 14:24 **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

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Amphetamine	Amphetamine-D11	4.363	36569	62833	0.5820	0.0383 < 5

# ISP FORENSICS - Cd'A Instrument # 62340

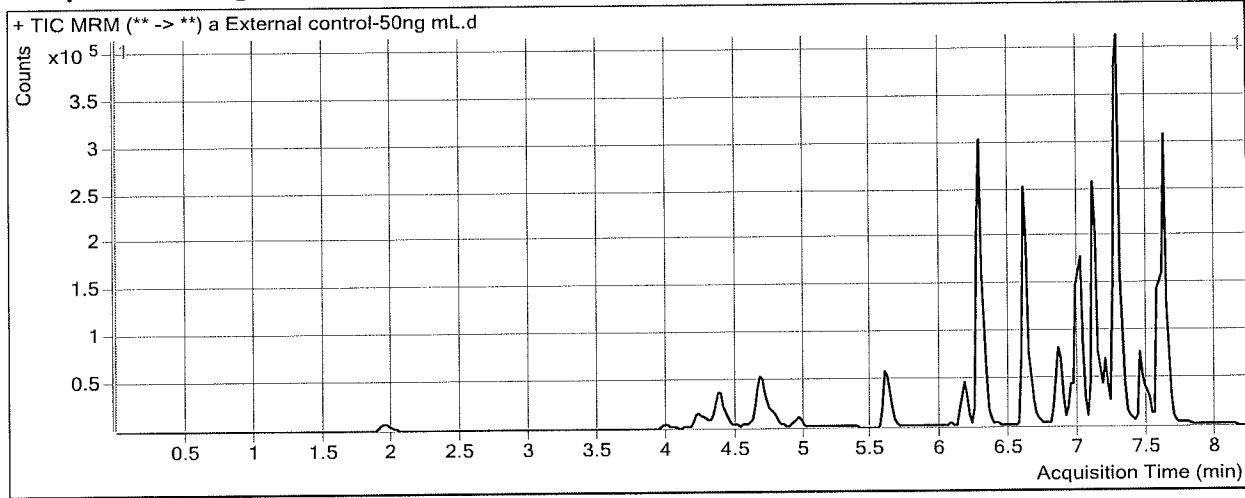
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2018 Data\07182018 mdq\QuantResults\mdq p1a.batch.bin  
**Analysis Time** 7/19/2018 9:11 AM **Analyst Name** ISP Tox  
**Report Time** 7/19/2018 9:14 AM **Reporter Name** ISP Tox  
**Last Calib Update** 7/19/2018 9:11 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-07-18 14:49 **Data File** a External control-50ng mL.d  
**Sample Type** Sample **Sample Name** a External control-50ng mL  
**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
Amphetamine	Amphetamine-D11	4.383	24450	64495	0.3791	0.0000 <i>LS</i>
Diphenhydramine	Diphenhydramine-D3	7.292	407021	485316	0.8387	40.6243
Lorazepam	Clonazepam-D4	7.602	71932	44290	1.6241	53.5034
Alprazolam	Alprazolam-D5	7.627	200926	201332	0.9980	40.3516

# ISP FORENSICS - Cd'A Instrument # 62340

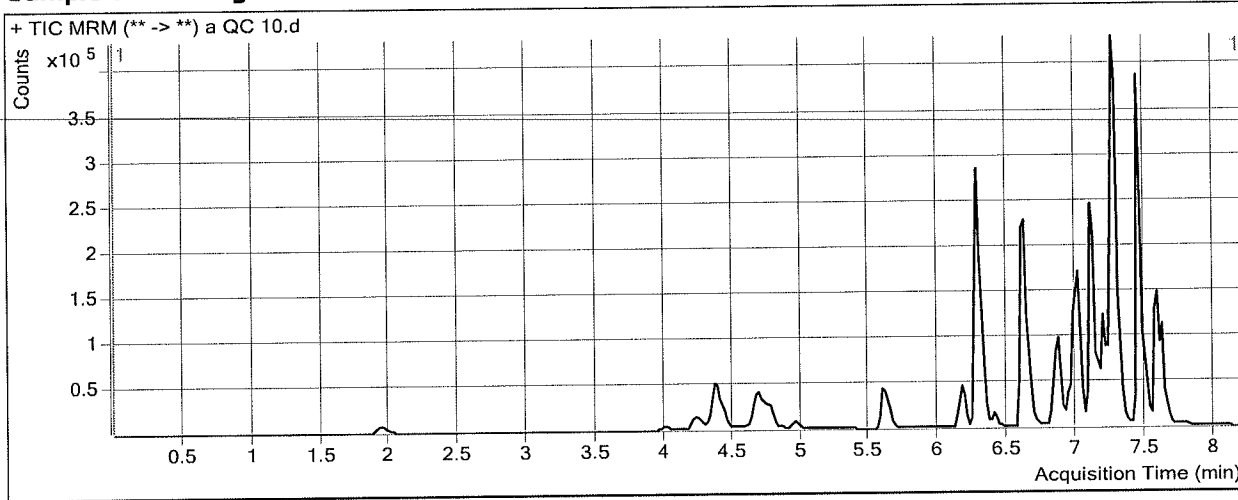
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2018 Data\07182018 mdq\QuantResults\mdq p1a.batch.bin  
**Analysis Time** 7/20/2018 11:22 AM **Analyst Name** ISP Tox  
**Report Time** 7/20/2018 11:26 AM **Reporter Name** ISP Tox  
**Last Calib Update** 7/20/2018 11:22 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-07-18 15:15 **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	1.328	1851	1702	1.0877	9.6913 <i>Not evaluated</i>
Hydromorphone	Hydromorphone-D6	1.969	8916	32767	0.2721	9.7225
Codeine	Codeine-D6	4.056	4339	17649	0.2458	10.2983
Amphetamine	Amphetamine-D11	4.383	86918	57754	1.5050	11.2018
Oxycodone	Oxycodone-D6	4.429	25292	114679	0.2205	10.1728
Norhydrocodone	Norhydrocodone-D3	4.779	1241	33483	0.0371	<del>18.3319</del> *
Hydrocodone	Hydrocodone-D6	4.734	14945	88894	0.1681	9.5432
Methamphetamine	Methamphetamine-D11	4.782	47074	92416	0.5094	13.1700
6-MAM	6-MAM-D6	4.968	535	20276	0.0264	1.0976
Phentermine	Phentermine-D5	5.666	11083	157888	0.0702	<del>9.4223</del> *
Dextrorphan	Dextrorphan-D3	6.164	14246	100947	0.1411	10.3881
7-aminoclonazepam	7-Aminoclonazepam-D4	6.292	24693	97638	0.2529	10.5984
Tramadol	Tramadol-13C-D3	6.303	132035	608821	0.2169	9.6901
Doxylamine	Doxylamine-D5	6.620	121170	638684	0.1897	9.8614
Metoprolol	Oxycodone-D6	6.397	19708	114679	0.1719	10.7517
Bupropion	Bupropion-D9	6.870	57565	257926	0.2232	9.8844
Meprobamate	Meprobamate-D7	6.972	14830	85848	0.1727	10.4023
Zolpidem	Zolpidem-D6	7.021	79871	427177	0.1870	10.0245
Venlafaxine	Venlafaxine-D6	7.105	122058	563951	0.2164	9.7099
Trazodone	Trazodone-D6	7.215	71730	317195	0.2261	10.5429
Citalopram	Citalopram-D6	7.237	83976	375894	0.2234	10.7470
Dextromethorphan	Dextromethorphan-D3	7.268	18988	89823	0.2114	10.8233
Diphenhydramine	Diphenhydramine-D3	7.292	142199	672400	0.2115	10.3075

*\* outside curve range*

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

ai QC 10

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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	7.447	141778	732038	0.1937	10.3434
Clonazepam	Clonazepam-D4	7.503	24655	33861	0.7281	10.1175
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.560	6630	29554	0.2244	10.9808
Carisoprodol	Carisoprodol-D7	7.592	43744	267048	0.1638	11.2127
Lorazepam	Clonazepam-D4	7.602	13577	33861	0.4009	9.7799
Alprazolam	Alprazolam-D5	7.627	37015	146185	0.2532	10.3942



# ISP FORENSICS - Cd'A Instrument # 62340

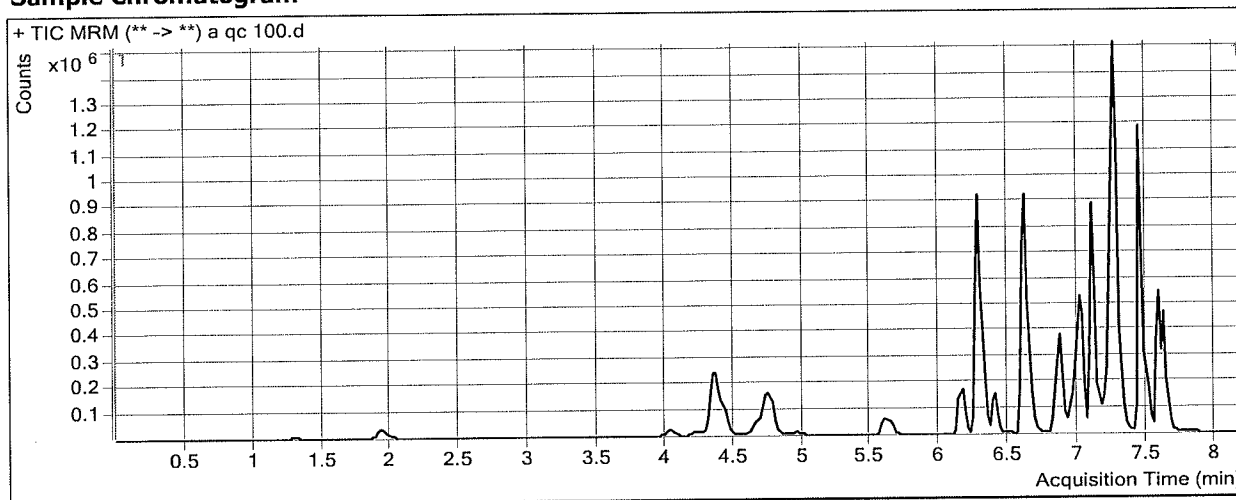
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	D:\2018 Data\07182018 mdq\QuantResults\mdq p1a.batch.bin	<b>Analyst Name</b>	ISP Tox
<b>Analysis Time</b>	7/20/2018 11:22 AM	<b>Reporter Name</b>	ISP Tox
<b>Report Time</b>	7/20/2018 11:26 AM	<b>Batch State</b>	Processed
<b>Last Calib Update</b>	7/20/2018 11:22 AM		

### Analysis Info

<b>Acq Time</b>	2018-07-18 18:38	<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	1.308	20890	1903	10.9763	93.9337 <i>not evaluated</i>
Hydromorphone	Hydromorphone-D6	1.949	103171	35126	2.9372	99.6449
Codeine	Codeine-D6	4.056	49882	19793	2.5201	97.2246
Amphetamine	Amphetamine-D11	4.363	603675	69832	8.6446	97.5590
Oxycodone	Oxycodone-D6	4.429	280861	123994	2.2651	107.2158
Norhydrocodone	Norhydrocodone-D3	4.759	15316	36994	0.4140	89.8320
Hydrocodone	Hydrocodone-D6	4.734	179866	95083	1.8917	113.4023
Methamphetamine	Methamphetamine-D11	4.762	350653	114821	3.0539	107.0153
6-MAM	6-MAM-D6	4.968	6634	23249	0.2853	9.6903
Phentermine	Phentermine-D5	5.646	129518	192212	0.6738	103.9001
Dextroprphan	Dextroprphan-D3	6.164	170879	116568	1.4659	105.2125
7-aminoclonazepam	7-Aminoclonazepam-D4	6.272	268131	107827	2.4867	107.5198
Tramadol	Tramadol-13C-D3	6.283	1551542	730881	2.1228	103.8716
Doxylamine	Doxylamine-D5	6.620	1424018	753425	1.8901	97.7687
Metoprolol	Oxycodone-D6	6.397	226551	123994	1.8271	114.8860
Bupropion	Bupropion-D9	6.870	656989	281976	2.3300	100.7438
Meprobamate	Meprobamate-D7	6.972	151957	86803	1.7506	107.6944
Zolpidem	Zolpidem-D6	7.021	945234	498246	1.8971	103.9337
Venlafaxine	Venlafaxine-D6	7.105	1489349	638608	2.3322	105.8762
Trazodone	Trazodone-D6	7.215	785808	349541	2.2481	112.4173
Citalopram	Citalopram-D6	7.237	833693	406493	2.0509	94.9148
Dextromethorphan	Dextromethorphan-D3	7.268	223053	105502	2.1142	98.9184
Diphenhydramine	Diphenhydramine-D3	7.292	1562950	761296	2.0530	99.3224



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

at QC 100

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Promethazine	Promethazine-D3	7.447	1558867	802487	1.9425	104.6391
Clonazepam	Clonazepam-D4	7.503	220417	27937	7.8896	107.3413
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.560	60974	28630	2.1297	90.2601
Carisoprodol	Carisoprodol-D7	7.592	438101	275463	1.5904	111.4309
Lorazepam	Clonazepam-D4	7.602	79585	27937	2.8487	97.2760
Alprazolam	Alprazolam-D5	7.627	381002	150720	2.5279	101.8889



# ISP FORENSICS - Cd'A Instrument # 62340

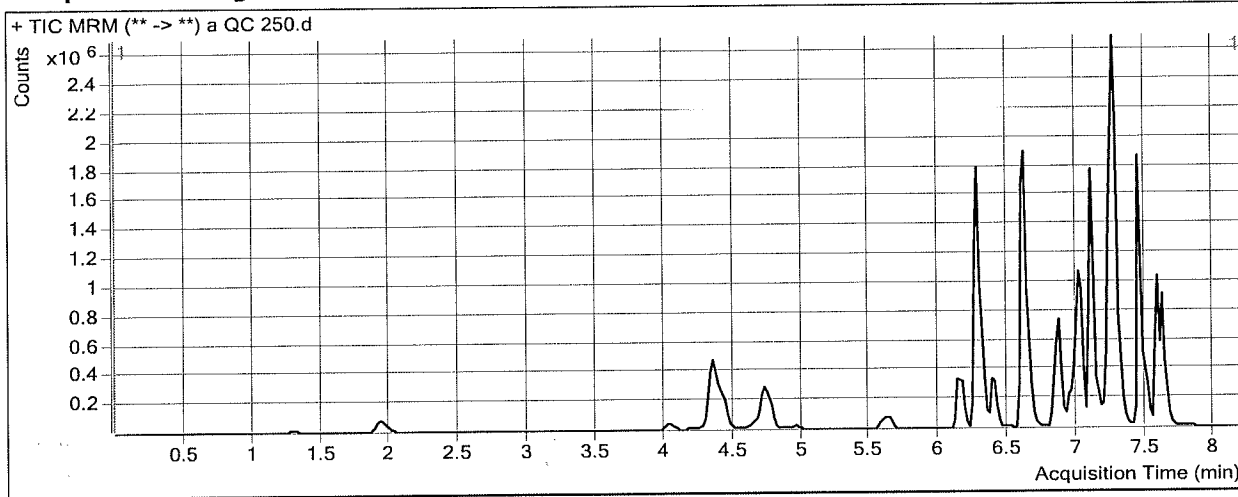
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2018 Data\07182018 mdq\QuantResults\mdq p1a.batch.bin  
**Analysis Time** 7/20/2018 11:22 AM **Analyst Name** ISP Tox  
**Report Time** 7/20/2018 11:26 AM **Reporter Name** ISP Tox  
**Last Calib Update** 7/20/2018 11:22 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-07-18 19:03 **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
<del>Morphine</del>	<del>Morphine-D6</del>	<del>1.308</del>	<del>48894</del>	<del>1615</del>	<del>30.2799</del>	<del>258.3837</del> <i>not evaluated</i>
Hydromorphone	Hydromorphone-D6	1.949	249551	33009	7.5602	255.6270
Codeine	Codeine-D6	4.036	116863	18155	6.4370	246.9292
Amphetamine	Amphetamine-D11	4.363	1289741	58408	22.0815	260.0841
Oxycodone	Oxycodone-D6	4.409	626678	111935	5.5986	265.4342
Norhydrocodone	Norhydrocodone-D3	4.759	39264	32549	1.2063	240.1109
Hydrocodone	Hydrocodone-D6	4.714	421601	103807	4.0614	244.1448
Methamphetamine	Methamphetamine-D11	4.762	523867	72320	7.2438	261.5419
6-MAM	6-MAM-D6	4.948	16998	22900	0.7423	24.8526
Phentermine	Phentermine-D5	5.646	260708	152711	1.7072	265.6393
Dextroprphan	Dextroprphan-D3	6.144	394970	109279	3.6143	258.9877
7-aminoclonazepam	7-Aminoclonazepam-D4	6.272	586542	97303	6.0280	261.1759
Tramadol	Tramadol-13C-D3	6.283	3695884	754894	4.8959	240.8997
Doxylamine	Doxylamine-D5	6.620	3375156	689846	4.8926	253.0005
Metoprolol	Oxycodone-D6	6.397	536235	111935	4.7906	301.3220
Bupropion	Bupropion-D9	6.870	1432230	237148	6.0394	260.7226
Meprobamate	Meprobamate-D7	6.972	328068	79661	4.1183	253.6877
Zolpidem	Zolpidem-D6	7.000	2211958	470632	4.7000	257.8462
Venlafaxine	Venlafaxine-D6	7.105	3579143	613191	5.8369	265.1758
Trazodone	Trazodone-D6	7.215	1765509	334566	5.2770	265.0235
Citalopram	Citalopram-D6	7.237	1737731	343351	5.0611	233.5483
Dextromethorphan	Dextromethorphan-D3	7.268	494078	91026	5.4279	252.3350
Diphenhydramine	Diphenhydramine-D3	7.292	3418088	668884	5.1101	247.0958

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

Q1 QC250

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Promethazine	Promethazine-D3	7.447	2969250	645983	4.5965	247.7345
Clonazepam	Clonazepam-D4	7.503	417474	21767	19.1793	260.6076
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.560	129079	23572	5.4759	229.4857
Carisoprodol	Carisoprodol-D7	7.592	934376	230486	4.0539	284.4910
Lorazepam	Clonazepam-D4	7.602	122173	21767	5.6128	196.0809
Alprazolam	Alprazolam-D5	7.627	847834	126950	6.6785	268.8387



# ISP FORENSICS - Cd'A Instrument # 62340

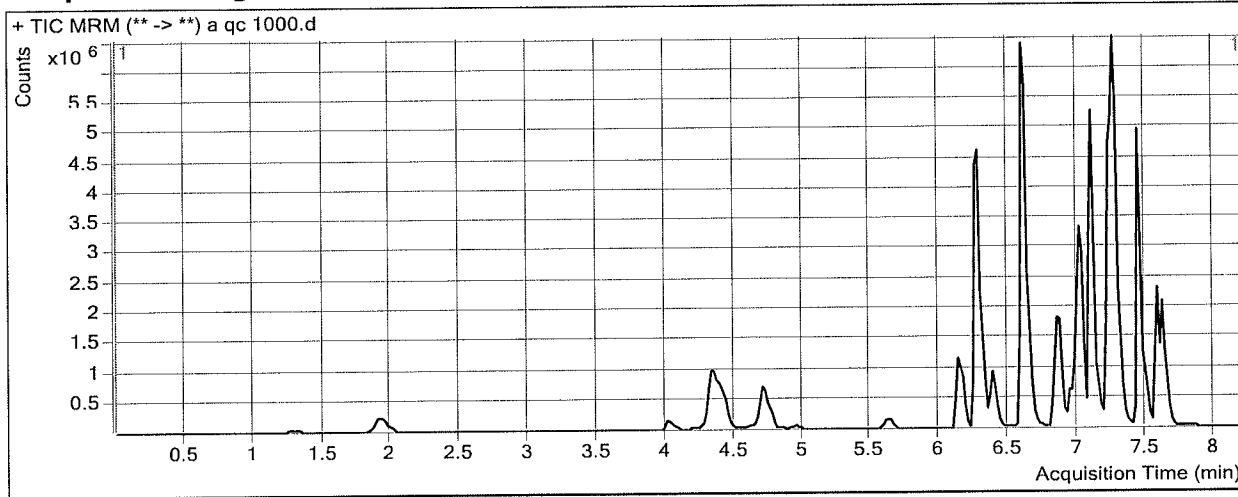
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2018 Data\07182018 mdq\QuantResults\mdq p1a.batch.bin  
**Analysis Time** 7/20/2018 11:22 AM **Analyst Name** ISP Tox  
**Report Time** 7/20/2018 11:26 AM **Reporter Name** ISP Tox  
**Last Calib Update** 7/20/2018 11:22 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-07-18 19:29 **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
<del>Morphine</del>	<del>Morphine-D6</del>	<del>1.308</del>	<del>167807</del>	<del>1445</del>	<del>116.1634</del>	<del>990.0344</del> <i>not evaluated</i>
Hydromorphone	Hydromorphone-D6	1.949	865075	28806	30.0306	1013.7949
Codeine	Codeine-D6	4.036	366431	13867	26.4247	1010.8775
Amphetamine	Amphetamine-D11	4.343	2497770	37795	66.0881	<del>792.3613</del> <i>outside curve range</i>
Oxycodone	Oxycodone-D6	4.409	2043652	103980	19.6543	932.5683
Norhydrocodone	Norhydrocodone-D3	4.759	143474	24819	5.7808	1107.8032
Hydrocodone	Hydrocodone-D6	4.714	1369042	82098	16.6756	1004.2544
Methamphetamine	Methamphetamine-D11	4.762	747610	28122	26.5843	974.8420
6-MAM	6-MAM-D6	4.948	62036	22254	2.7876	92.7255
Phentermine	Phentermine-D5	5.624	540018	84465	6.3934	999.1035
Dextrorphan	Dextrorphan-D3	6.144	1390613	99598	13.9622	999.6569
7-aminoclonazepam	7-Aminoclonazepam-D4	6.272	1403204	72942	19.2373	834.3166
Tramadol	Tramadol-13C-D3	6.283	12406470	614254	20.1976	997.0198
Doxylamine	Doxylamine-D5	6.600	11819055	673556	17.5473	907.2424
Metoprolol	Oxycodone-D6	6.377	1525555	103980	14.6717	922.9492
Bupropion	Bupropion-D9	6.870	4083029	185876	21.9664	947.6118
Meprobamate	Meprobamate-D7	6.952	934900	61657	15.1628	934.7016
Zolpidem	Zolpidem-D6	7.000	7645551	445220	17.1725	942.7504
Venlafaxine	Venlafaxine-D6	7.105	12703387	573794	22.1393	1006.1619
Trazodone	Trazodone-D6	7.215	5444799	325518	16.7266	841.8918
Citalopram	Citalopram-D6	7.237	4487990	230204	19.4957	898.3377
Dextromethorphan	Dextromethorphan-D3	7.268	1464445	67705	21.6299	1002.4471
Diphenhydramine	Diphenhydramine-D3	7.292	10377675	517721	20.0449	969.0046

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

*al QC 1000*

<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	7.447	8979956	503732	17.8269	961.0919
Clonazepam	Clonazepam-D4	7.503	795532	10899	72.9940	991.1854
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.560	320336	13693	23.3948	975.0572
Carisoprodol	Carisoprodol-D7	7.592	2055574	140644	14.6154	1026.4274
Lorazepam	Clonazepam-D4	7.602	297189	10899	27.2686	970.1817
Alprazolam	Alprazolam-D5	7.627	2251447	86441	26.0459	1047.8595



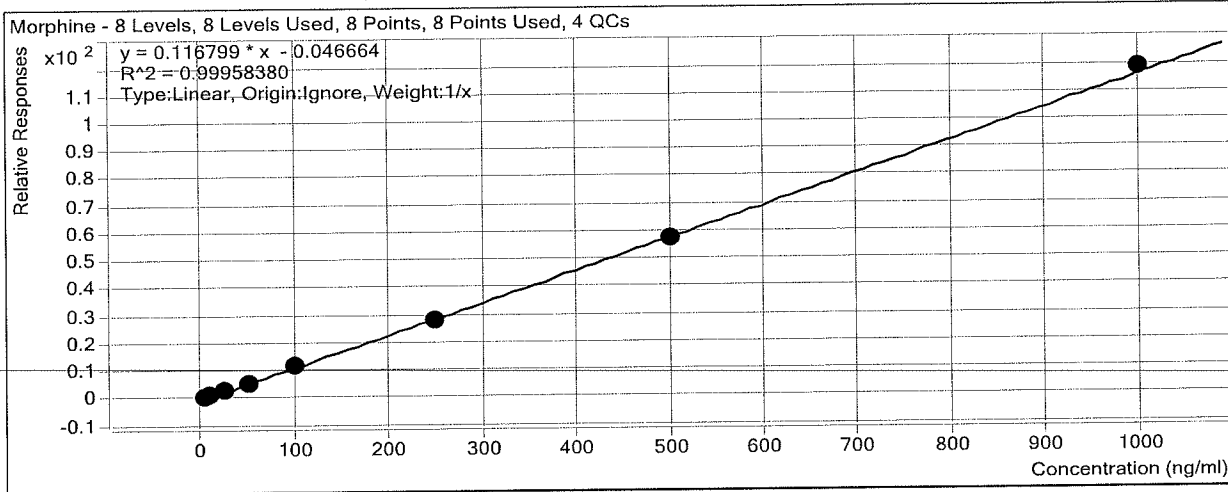
# ISP Forensics Calibration Curve Report

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

D:\2018 Data\07182018 mdq\QuantResults\mdq p1a.batch.bin  
7/19/2018 9:11 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	5.6	111.8
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.5	95.2
a QC 10	2	<input checked="" type="checkbox"/>	10	9.8	97.7
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.9	99.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.8	95.7
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.5	100.5
a qc 100	5	<input checked="" type="checkbox"/>	100	92.7	92.7
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	241.6	96.6
a QC 250	6	<input checked="" type="checkbox"/>	250	259.6	103.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	495.2	99.0
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1014.8	101.5
a qc 1000	8	<input checked="" type="checkbox"/>	1000	994.7	99.5

Not evaluated

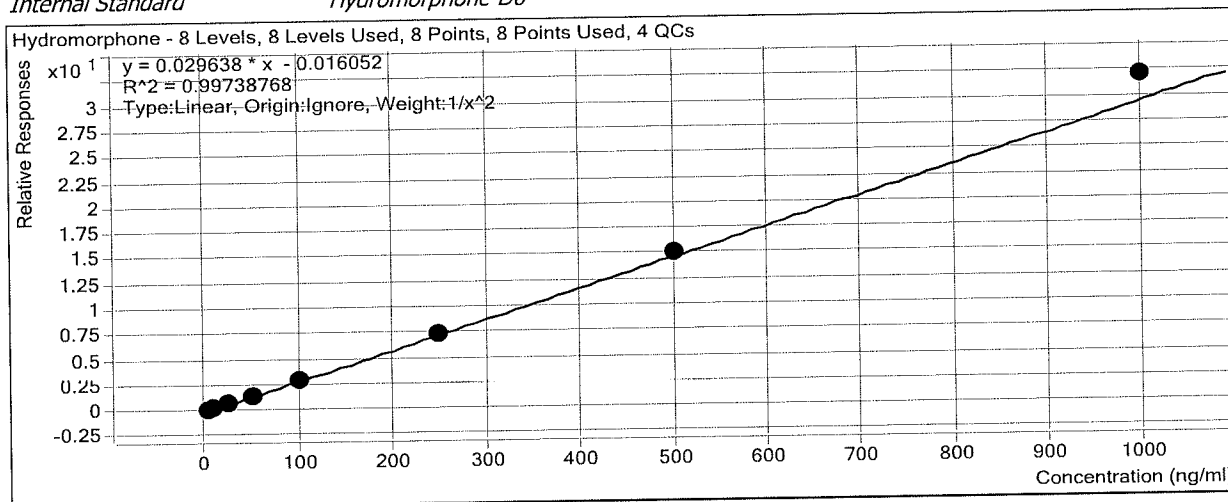
# ISP Forensics Calibration Curve Report

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

D:\2018 Data\07182018 mdq\QuantResults\mdq p1a.batch.bin  
7/19/2018 9:11 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	103.3
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	96.3
a QC 10	2	<input checked="" type="checkbox"/>	10	9.7	97.2
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.5	94.0
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.5	97.1
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.4	99.4
a qc 100	5	<input checked="" type="checkbox"/>	100	99.6	99.6
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	250.5	100.2
a QC 250	6	<input checked="" type="checkbox"/>	250	255.6	102.3
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	507.2	101.4
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1081.9	108.2
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1013.8	101.4

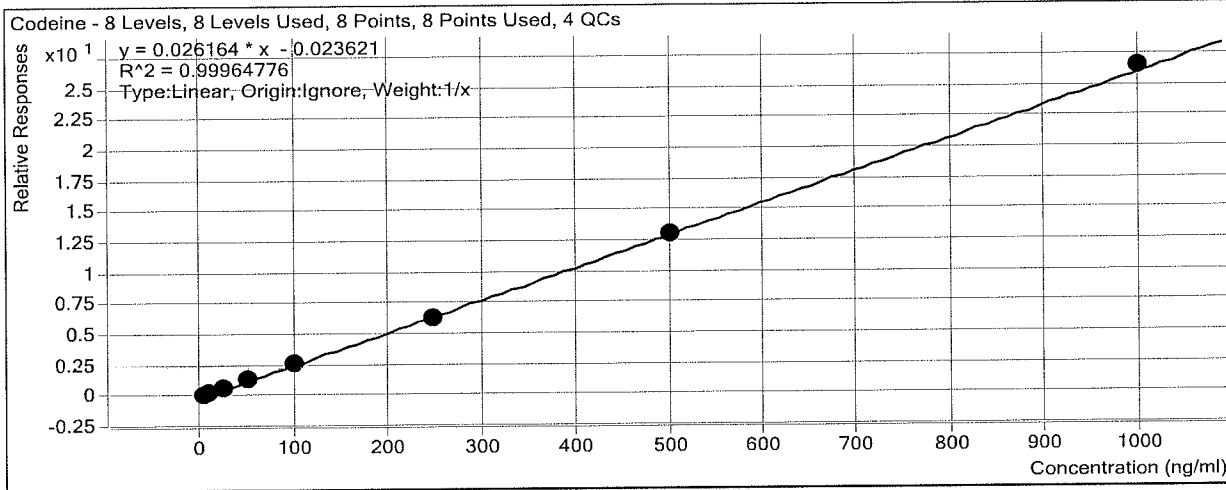
# ISP Forensics Calibration Curve Report

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

D:\2018 Data\07182018 mdq\QuantResults\mdq p1a.batch.bin  
7/19/2018 9:11 AM

**Analyst Name**      ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.6	111.3
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	98.9
a QC 10	2	<input checked="" type="checkbox"/>	10	10.3	103.0
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.7	94.8
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.8	97.7
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.9	99.9
a qc 100	5	<input checked="" type="checkbox"/>	100	97.2	97.2
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	242.0	96.8
a QC 250	6	<input checked="" type="checkbox"/>	250	246.9	98.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	496.5	99.3
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1013.6	101.4
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1010.9	101.1



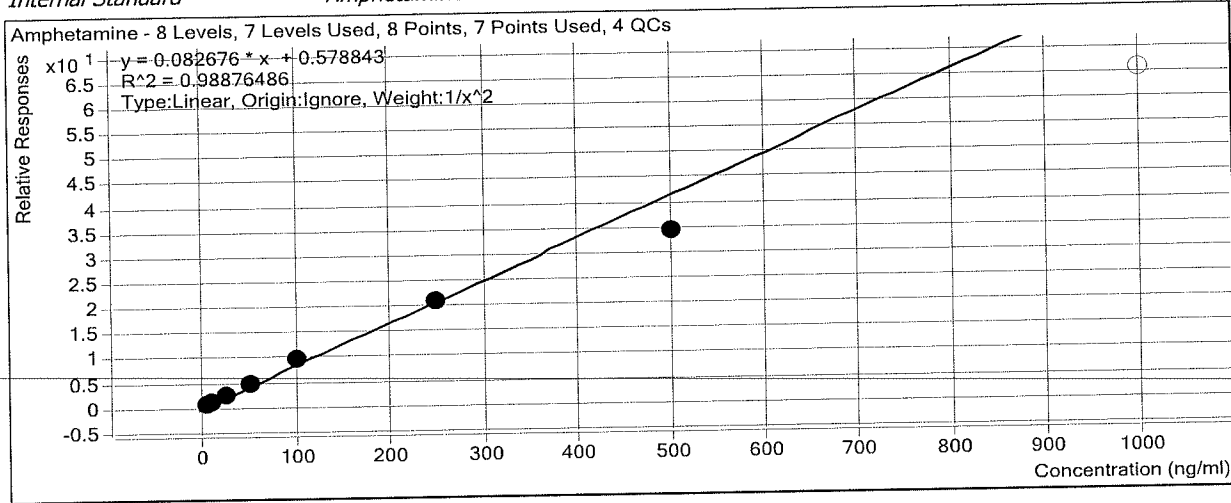
# ISP Forensics Calibration Curve Report

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

D:\2018 Data\07182018 mdq\QuantResults\mdq p1a.batch.bin  
7/19/2018 9:11 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 checked="" type="checkbox"/>	5	5.0	99.1
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	98.3
a QC 10	2	<input checked="" type="checkbox"/>	10	11.2	112.0
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.9	103.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	53.7	107.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	110.3	110.3
a qc 100	5	<input checked="" type="checkbox"/>	100	97.6	97.6
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	247.5	99.0
a QC 250	6	<input checked="" type="checkbox"/>	250	260.1	104.0
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	412.1	82.4
a cal 8-1000ng	8	<input type="checkbox"/>	1000	787.3	78.7
a qc 1000	8	<input type="checkbox"/>	1000	792.4	79.2

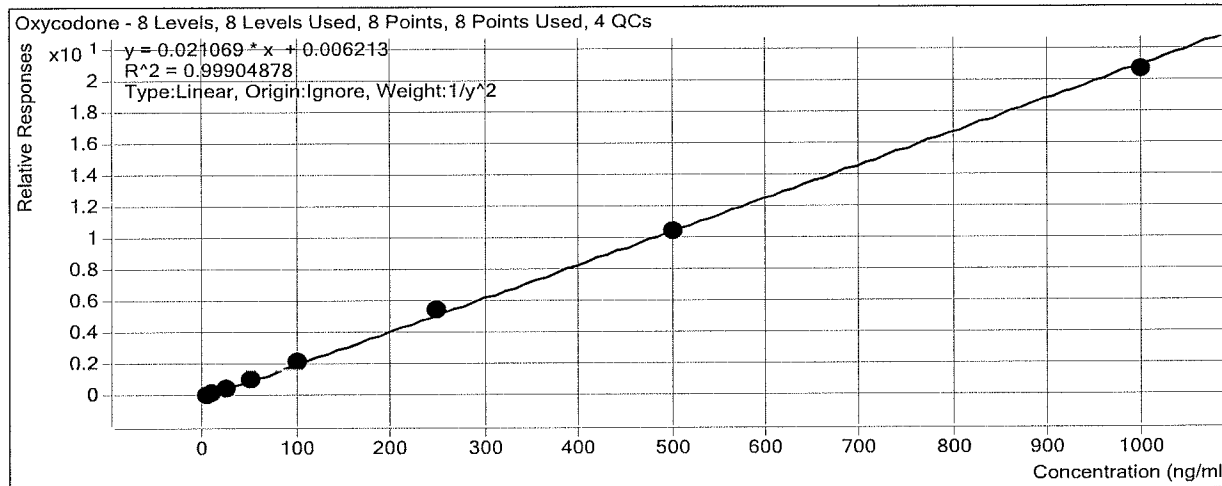
# ISP Forensics Calibration Curve Report

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

D:\2018 Data\07182018 mdq\QuantResults\mdq p1a.batch.bin  
7/19/2018 9:11 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	100.5
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	100.5
a QC 10	2	<input checked="" type="checkbox"/>	10	10.2	101.7
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.0	95.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.7	99.5
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.2	103.2
a qc 100	5	<input checked="" type="checkbox"/>	100	107.2	107.2
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	260.3	104.1
a QC 250	6	<input checked="" type="checkbox"/>	250	265.4	106.2
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	496.6	99.3
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	978.7	97.9
a qc 1000	8	<input checked="" type="checkbox"/>	1000	932.6	93.3

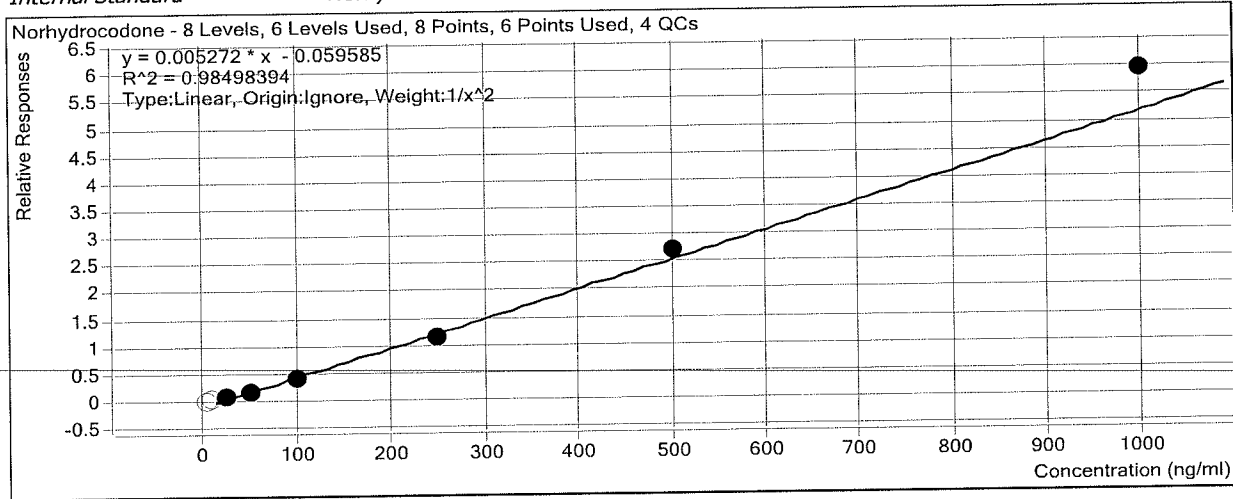
# ISP Forensics Calibration Curve Report

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

D:\2018 Data\07182018 mdq\QuantResults\mdq p1a.batch.bin  
7/19/2018 9:11 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	14.4	288.3
a cal 2-10ng	2	<input type="checkbox"/>	10	17.6	176.2
a QC 10	2	<input checked="" type="checkbox"/>	10	18.3	183.3
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.6	106.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.3	92.6
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	88.8	88.8
a qc 100	5	<input checked="" type="checkbox"/>	100	89.8	89.8
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	233.4	93.3
a QC 250	6	<input checked="" type="checkbox"/>	250	240.1	96.0
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	523.1	104.6
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1140.8	114.1
a qc 1000	8	<input type="checkbox"/>	1000	1107.8	110.8

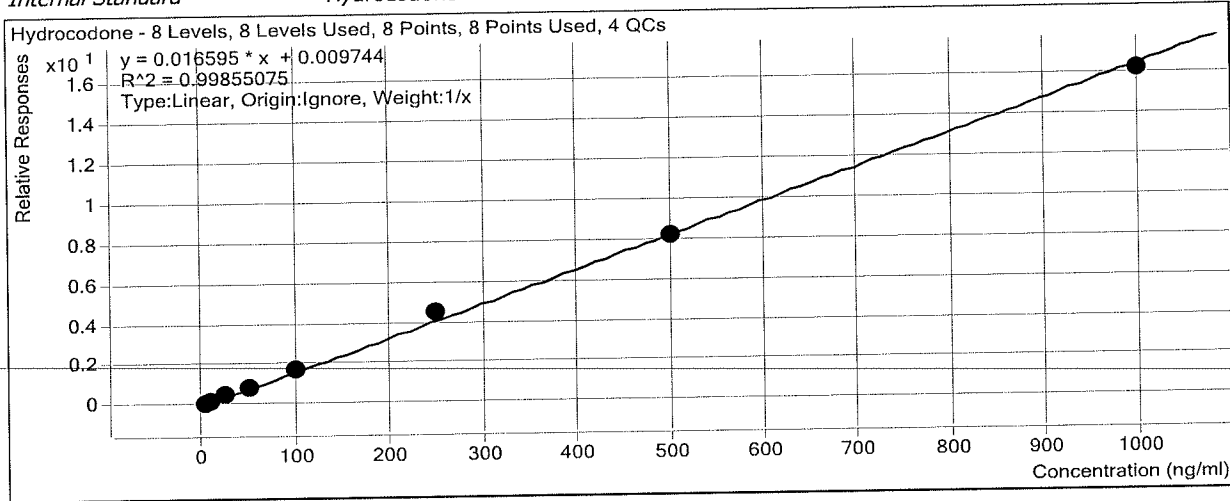
# ISP Forensics Calibration Curve Report

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

D:\2018 Data\07182018 mdq\QuantResults\mdq p1a.batch.bin  
7/19/2018 9:11 AM

**Analyst Name**      ISP TOX

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

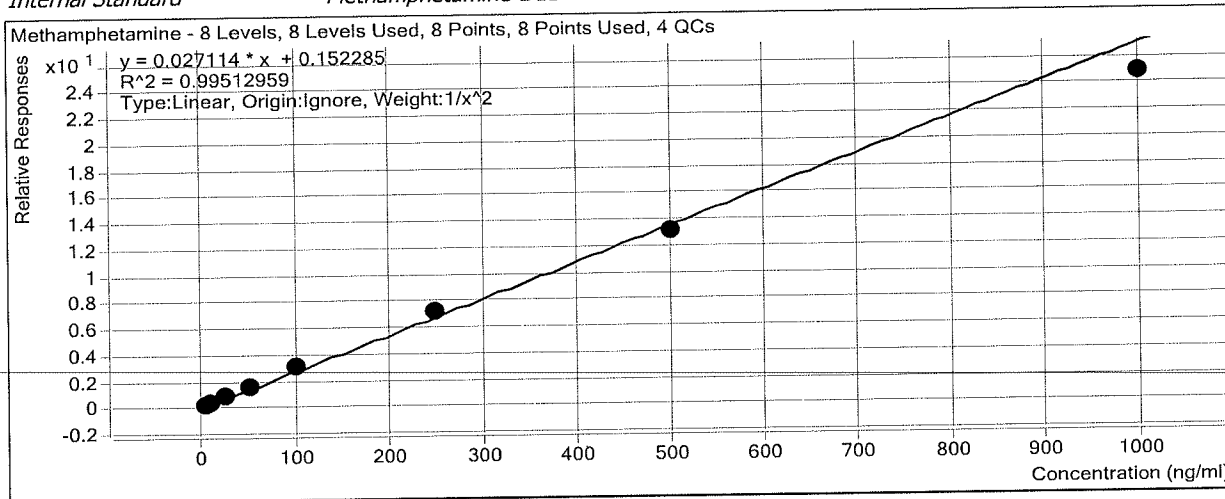


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.6	92.7
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.2	91.6
a QC 10	2	<input checked="" type="checkbox"/>	10	9.5	95.4
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.6	102.4
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.9	103.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	104.2	104.2
a qc 100	5	<input checked="" type="checkbox"/>	100	113.4	113.4
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	270.4	108.2
a QC 250	6	<input checked="" type="checkbox"/>	250	244.1	97.7
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	497.1	99.4
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	977.0	97.7
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1004.3	100.4

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2018 Data\07182018 mdq\QuantResults\mdq p1a.batch.bin  
**Last Calib Update** 7/19/2018 9:11 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.6
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.2	92.3
a QC 10	2	<input checked="" type="checkbox"/>	10	13.2	131.7
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.7	102.7
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.8	103.6
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	108.0	108.0
a qc 100	5	<input checked="" type="checkbox"/>	100	107.0	107.0
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	259.0	103.6
a QC 250	6	<input checked="" type="checkbox"/>	250	261.5	104.6
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	480.2	96.0
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	911.5	91.1
a qc 1000	8	<input checked="" type="checkbox"/>	1000	974.8	97.5

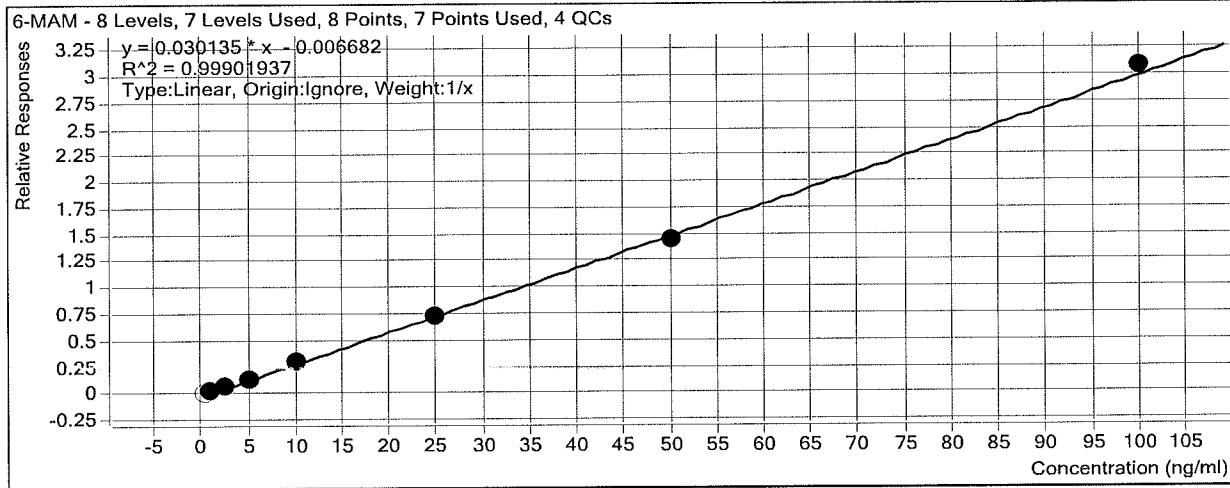
# ISP Forensics Calibration Curve Report

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

D:\2018 Data\07182018 mdq\QuantResults\mdq p1a.batch.bin  
7/20/2018 11:22 AM

**Analyst Name**      ISP TOX

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

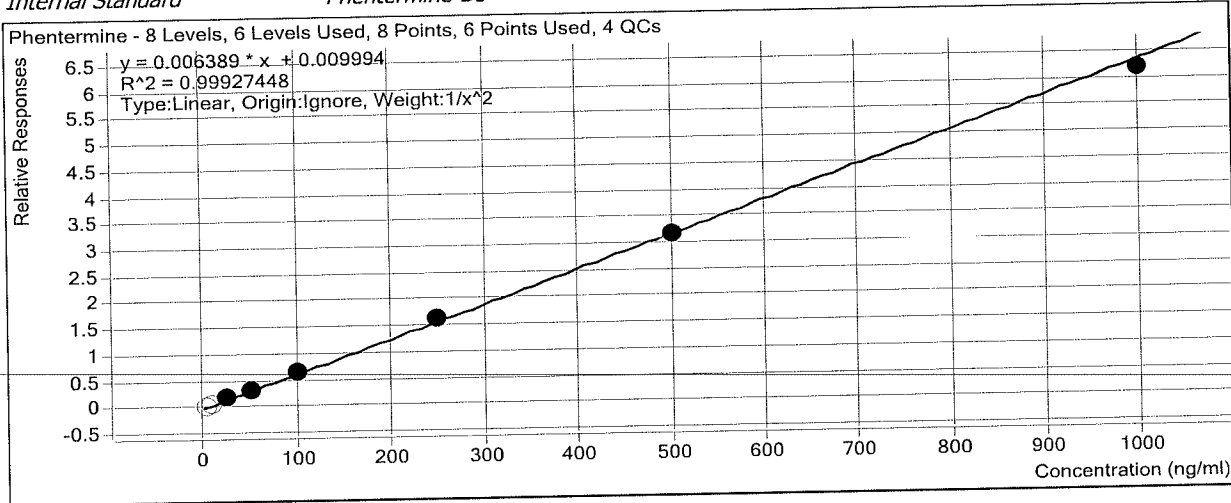


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input type="checkbox"/>	0.5	0.8	152.4
a cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.1	108.8
a QC 10	2	<input checked="" type="checkbox"/>	1	1.1	109.8
a cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.5	101.4
a cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.6	91.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	10	10.1	101.5
a qc 100	5	<input checked="" type="checkbox"/>	10	9.7	96.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	25	24.3	97.1
a QC 250	6	<input checked="" type="checkbox"/>	25	24.9	99.4
a cal 7-500ng	7	<input checked="" type="checkbox"/>	50	48.5	97.1
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	102.3	102.3
a qc 1000	8	<input checked="" type="checkbox"/>	100	92.7	92.7

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2018 Data\07182018 mdq\QuantResults\mdq p1a.batch.bin  
**Last Calib Update** 7/19/2018 9:11 AM **Analyst Name** ISP TOX

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



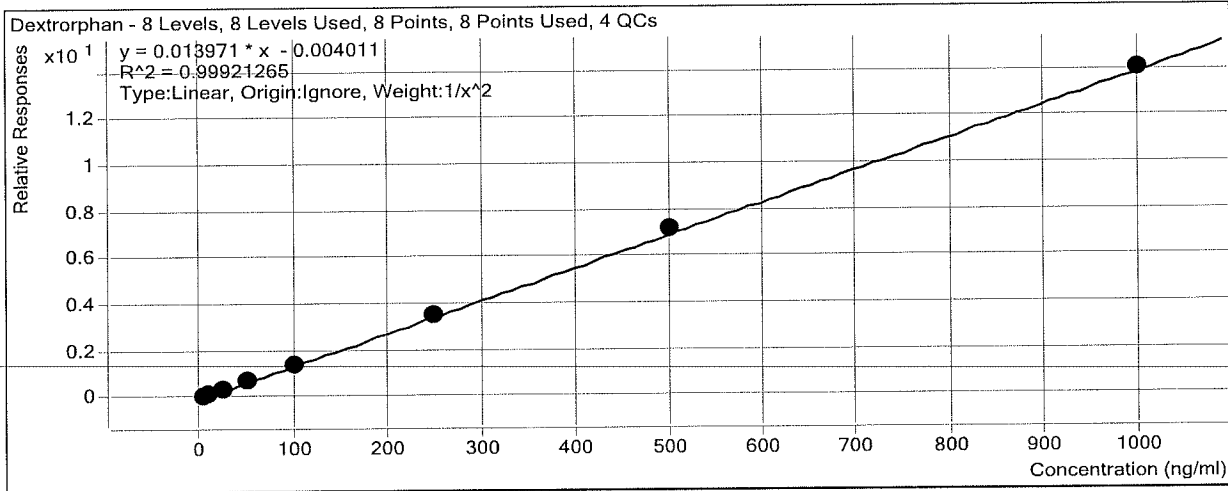
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input type="checkbox"/>	5	3.9	77.4
a cal 2-10ng	2	<input type="checkbox"/>	10	8.0	80.5
a QC 10	2	<input checked="" type="checkbox"/>	10	9.4	94.2
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.8	99.1
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.5	101.0
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.6	100.6
a qc 100	5	<input checked="" type="checkbox"/>	100	103.9	103.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	257.7	103.1
a QC 250	6	<input checked="" type="checkbox"/>	250	265.6	106.3
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	497.9	99.6
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	966.0	96.6
a qc 1000	8	<input checked="" type="checkbox"/>	1000	999.1	99.9

# ISP Forensics Calibration Curve Report

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

D:\2018 Data\07182018 mdq\QuantResults\mdq p1a.batch.bin  
7/19/2018 9:11 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	5.1	101.3
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	99.4
a QC 10	2	<input checked="" type="checkbox"/>	10	10.4	103.9
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.7	94.8
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.4	98.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.2	101.2
a qc 100	5	<input checked="" type="checkbox"/>	100	105.2	105.2
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	252.4	101.0
a QC 250	6	<input checked="" type="checkbox"/>	250	259.0	103.6
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	514.5	102.9
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1005.2	100.5
a qc 1000	8	<input checked="" type="checkbox"/>	1000	999.7	100.0



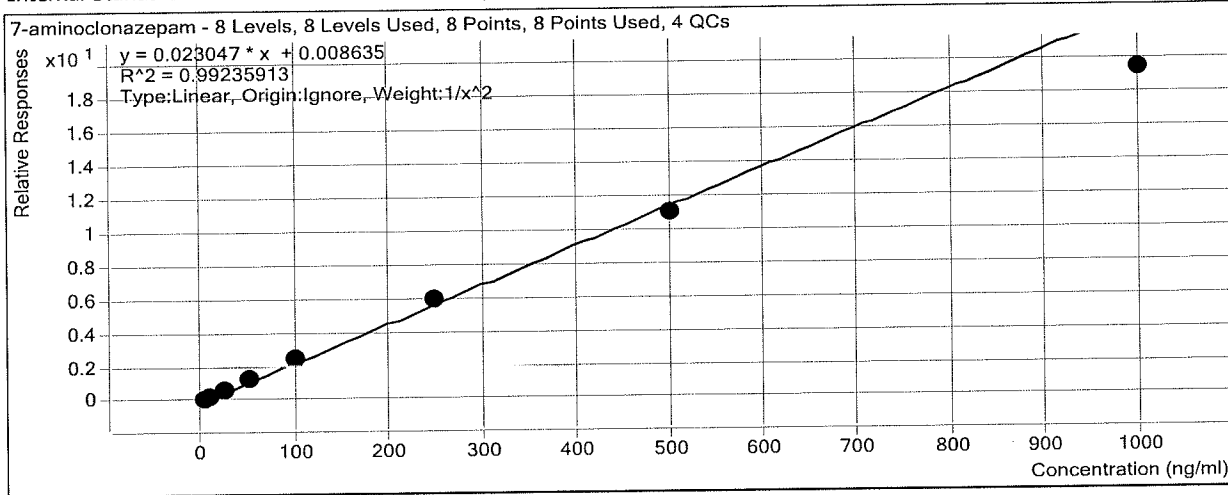
# ISP Forensics Calibration Curve Report

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

D:\2018 Data\07182018 mdq\QuantResults\mdq p1a.batch.bin  
7/19/2018 9:11 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	4.9	97.9
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	99.8
a QC 10	2	<input checked="" type="checkbox"/>	10	10.6	106.0
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.6	106.4
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	53.2	106.4
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	106.9	106.9
a qc 100	5	<input checked="" type="checkbox"/>	100	107.5	107.5
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	256.4	102.6
a QC 250	6	<input checked="" type="checkbox"/>	250	261.2	104.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	478.3	95.7
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	843.1	84.3
a qc 1000	8	<input checked="" type="checkbox"/>	1000	834.3	83.4

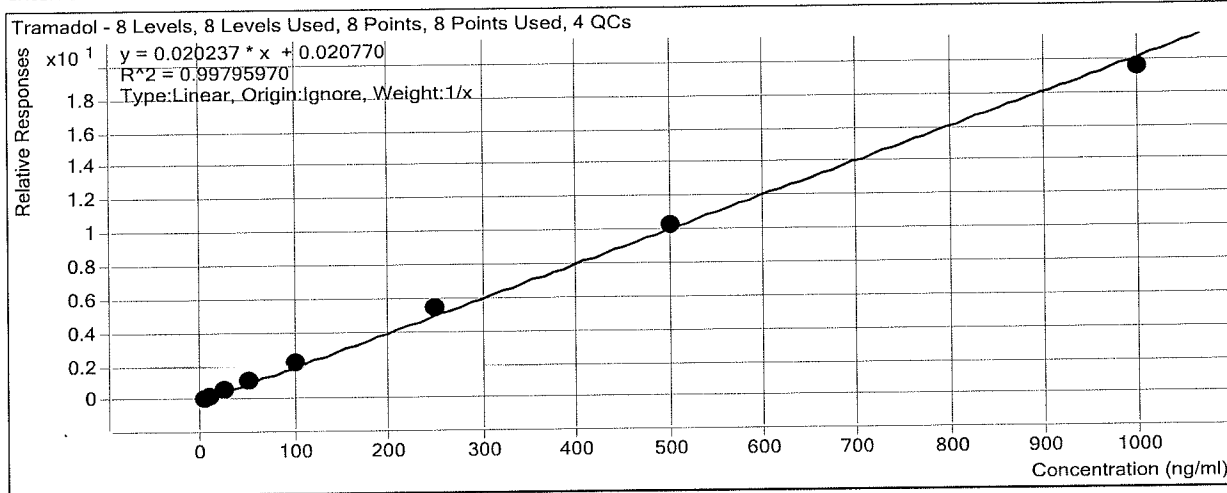
# ISP Forensics Calibration Curve Report

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

D:\2018 Data\07182018 mdq\QuantResults\mdq p1a.batch.bin  
7/19/2018 9:11 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	4.4	88.5
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.0	90.1
a QC 10	2	<input checked="" type="checkbox"/>	10	9.7	96.9
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.5	102.0
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	53.1	106.2
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	108.4	108.4
a qc 100	5	<input checked="" type="checkbox"/>	100	103.9	103.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	266.6	106.6
a QC 250	6	<input checked="" type="checkbox"/>	250	240.9	96.4
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	508.9	101.8
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	964.1	96.4
a qc 1000	8	<input checked="" type="checkbox"/>	1000	997.0	99.7

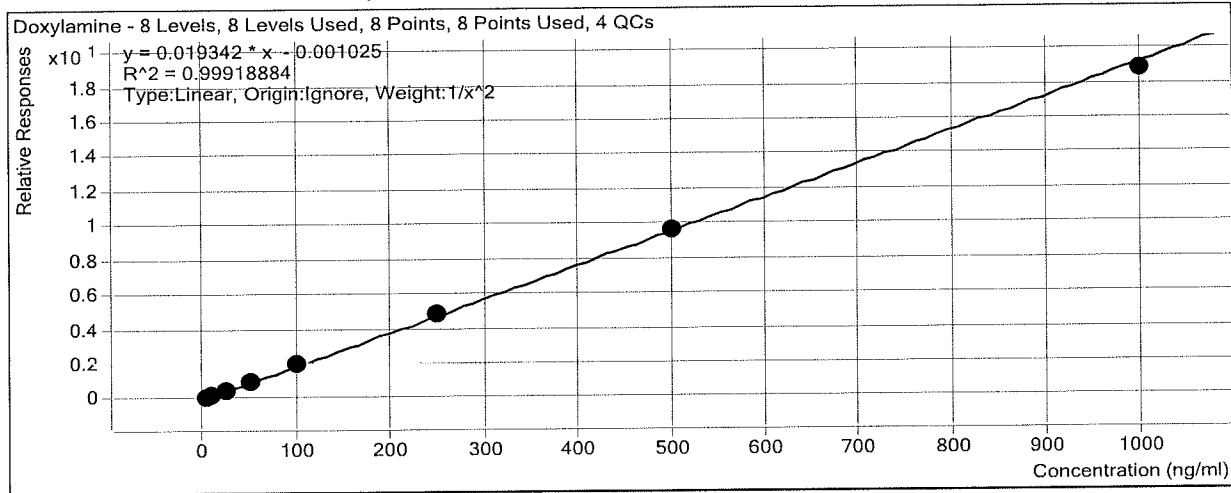
# ISP Forensics Calibration Curve Report

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

D:\2018 Data\07182018 mdq\QuantResults\mdq p1a.batch.bin  
7/19/2018 9:11 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	101.2
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	95.9
a QC 10	2	<input checked="" type="checkbox"/>	10	9.9	98.6
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.7	102.7
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.2	102.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.8	101.8
a qc 100	5	<input checked="" type="checkbox"/>	100	97.8	97.8
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	249.1	99.6
a QC 250	6	<input checked="" type="checkbox"/>	250	253.0	101.2
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	495.9	99.2
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	972.3	97.2
a qc 1000	8	<input checked="" type="checkbox"/>	1000	907.2	90.7

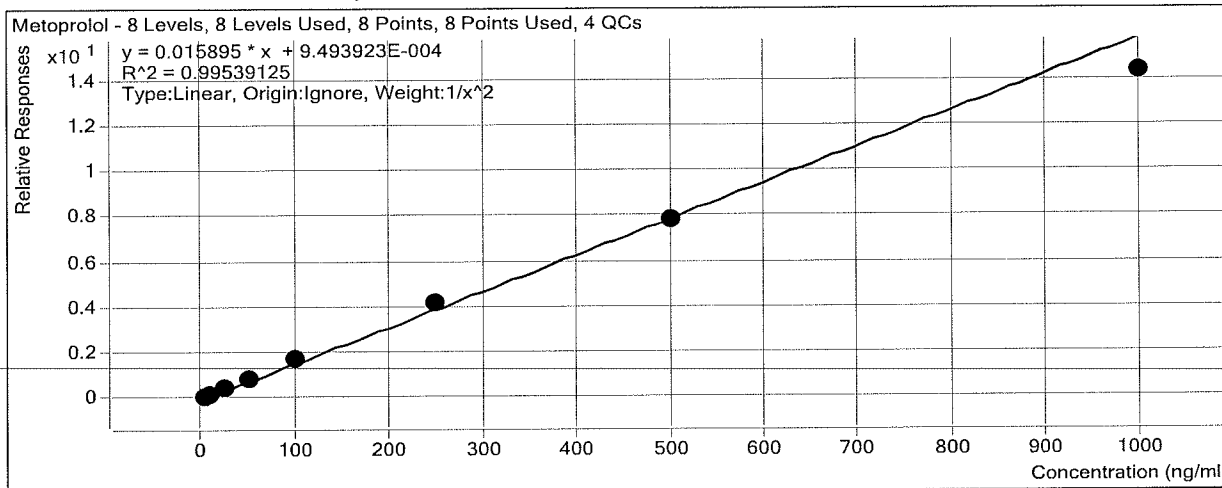
# ISP Forensics Calibration Curve Report

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

D:\2018 Data\07182018 mdq\QuantResults\mdq p1a.batch.bin  
7/19/2018 9:11 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	5.1	102.7
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.3	92.8
a QC 10	2	<input checked="" type="checkbox"/>	10	10.8	107.5
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.3	101.3
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.9	101.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	106.8	106.8
a qc 100	5	<input checked="" type="checkbox"/>	100	114.9	114.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	264.5	105.8
a QC 250	6	<input checked="" type="checkbox"/>	250	301.3	120.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	493.6	98.7
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	900.3	90.0
a qc 1000	8	<input checked="" type="checkbox"/>	1000	922.9	92.3

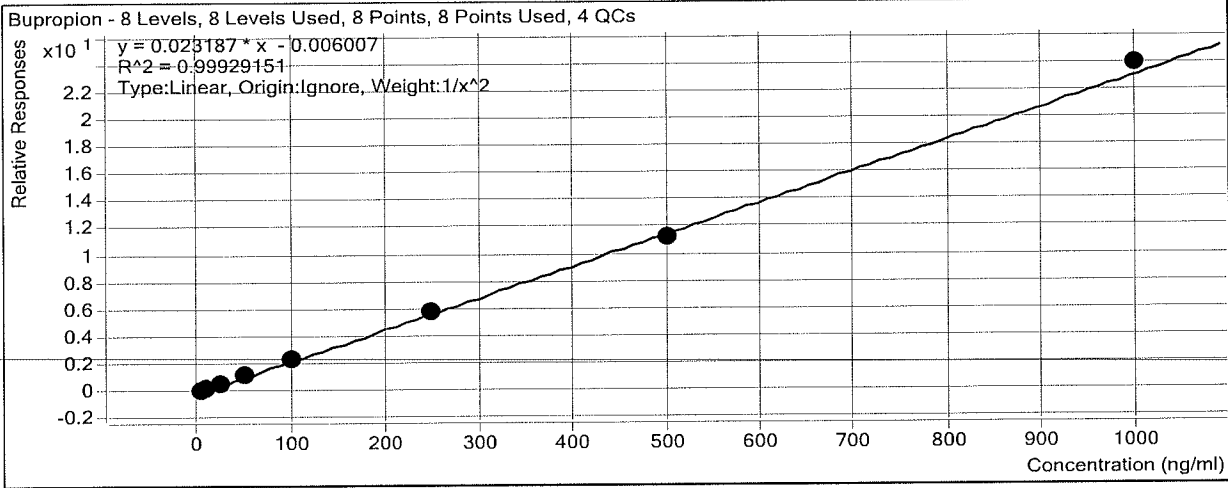
# ISP Forensics Calibration Curve Report

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

D:\2018 Data\07182018 mdq\QuantResults\mdq p1a.batch.bin  
7/19/2018 9:11 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	9.6	96.0
a QC 10	2	<input checked="" type="checkbox"/>	10	9.9	98.8
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.2	101.0
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.6	101.2
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.6	99.6
a qc 100	5	<input checked="" type="checkbox"/>	100	100.7	100.7
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	250.1	100.0
a QC 250	6	<input checked="" type="checkbox"/>	250	260.7	104.3
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	487.2	97.4
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1030.3	103.0
a qc 1000	8	<input checked="" type="checkbox"/>	1000	947.6	94.8

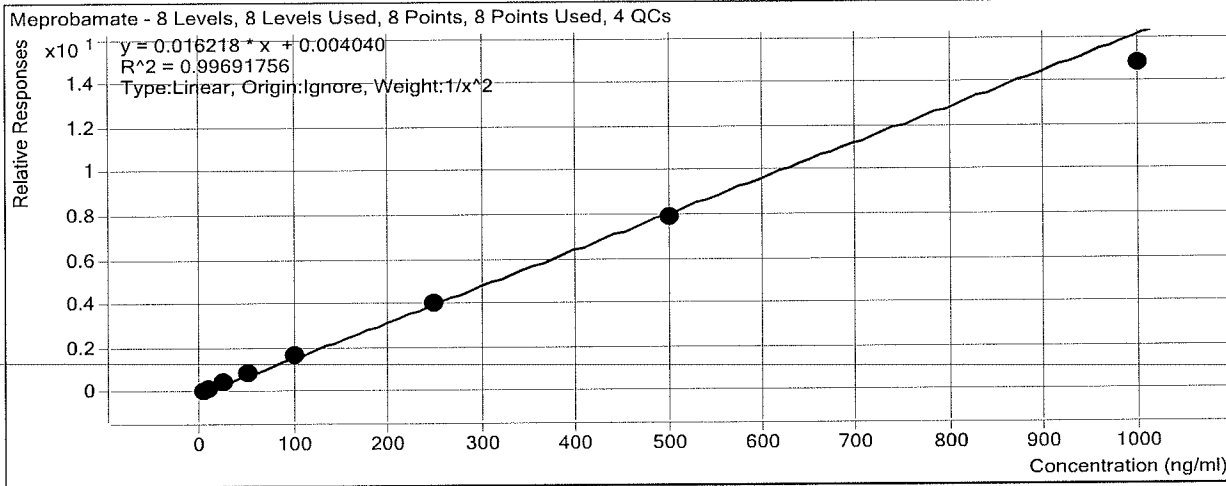
# ISP Forensics Calibration Curve Report

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

D:\2018 Data\07182018 mdq\QuantResults\mdq p1a.batch.bin  
7/19/2018 9:11 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	10.0	100.4
a QC 10	2	<input checked="" type="checkbox"/>	10	10.4	104.0
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.6	106.4
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.3	102.6
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	105.1	105.1
a qc 100	5	<input checked="" type="checkbox"/>	100	107.7	107.7
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	246.2	98.5
a QC 250	6	<input checked="" type="checkbox"/>	250	253.7	101.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	488.6	97.7
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	911.7	91.2
a qc 1000	8	<input checked="" type="checkbox"/>	1000	934.7	93.5

# ISP Forensics Calibration Curve Report

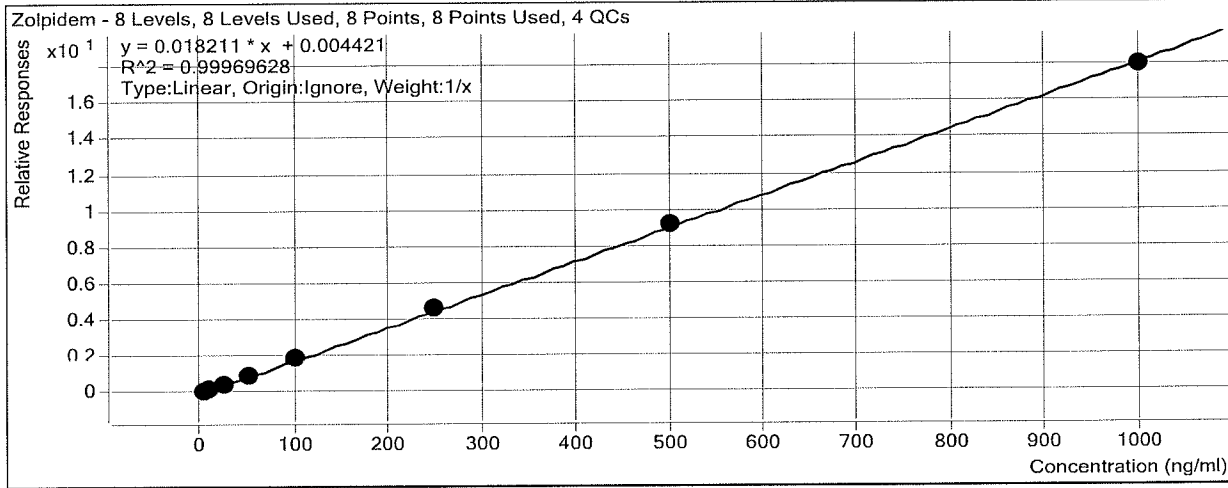
**Batch Data Path**  
**Last Calib Update**

D:\2018 Data\07182018 mdq\QuantResults\mdq p1a.batch.bin  
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**Analyst Name**

ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.8	95.5
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	98.0
a QC 10	2	<input checked="" type="checkbox"/>	10	10.0	100.2
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.7	98.7
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.1	102.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.9	103.9
a qc 100	5	<input checked="" type="checkbox"/>	100	103.9	103.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	256.1	102.5
a QC 250	6	<input checked="" type="checkbox"/>	250	257.8	103.1
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	502.9	100.6
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	986.7	98.7
a qc 1000	8	<input checked="" type="checkbox"/>	1000	942.8	94.3

# ISP Forensics Calibration Curve Report

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

D:\2018 Data\07182018 mdq\QuantResults\mdq p1a.batch.bin  
7/19/2018 9:11 AM

**Analyst Name**

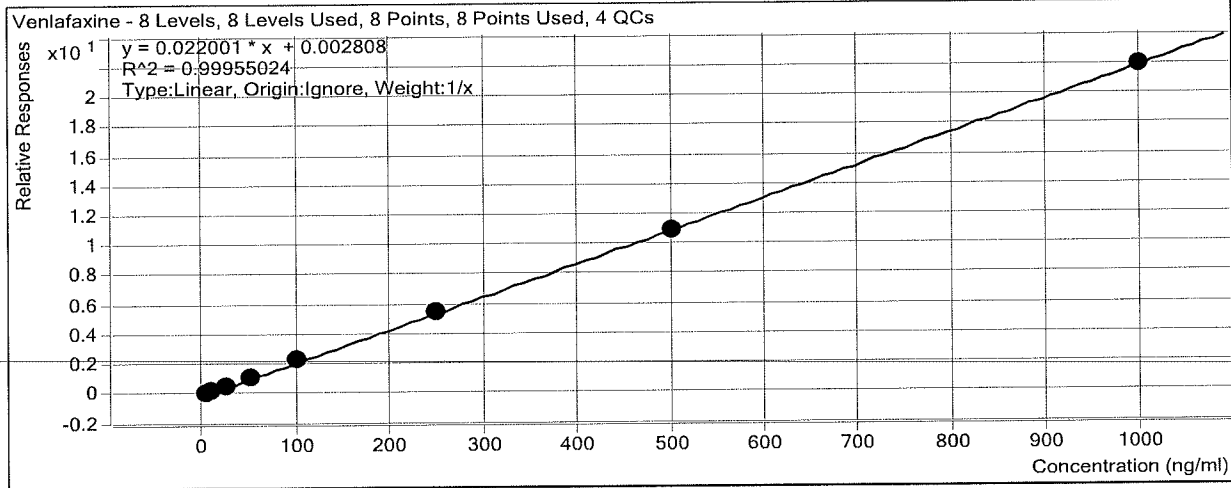
ISP TOX

**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	5.0	100.8
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.5	94.5
a QC 10	2	<input checked="" type="checkbox"/>	10	9.7	97.1
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.6	98.2
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.4	98.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	108.4	108.4
a qc 100	5	<input checked="" type="checkbox"/>	100	105.9	105.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	250.8	100.3
a QC 250	6	<input checked="" type="checkbox"/>	250	265.2	106.1
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	496.6	99.3
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	995.7	99.6
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1006.2	100.6



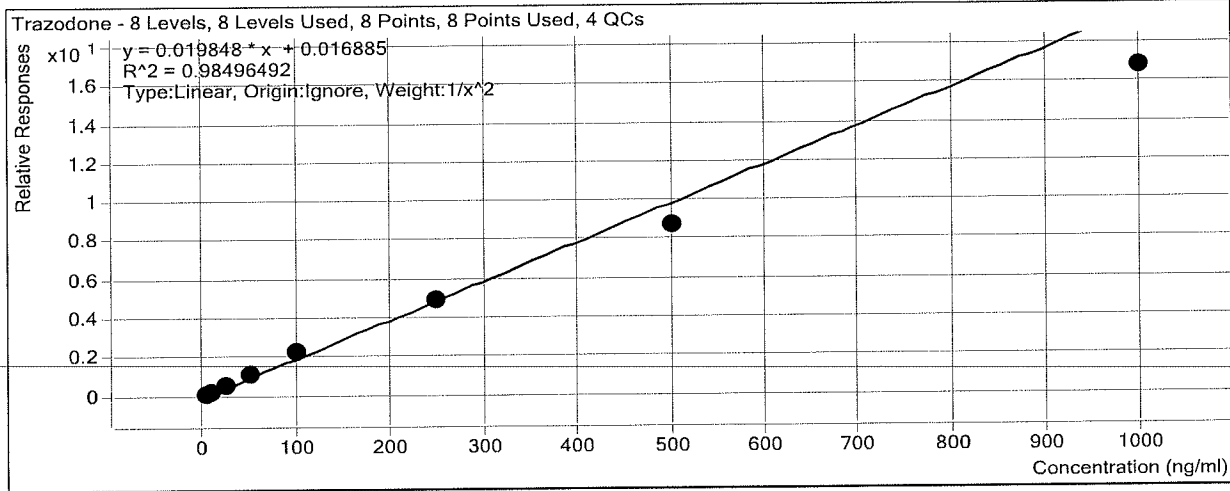
# ISP Forensics Calibration Curve Report

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

D:\2018 Data\07182018 mdq\QuantResults\mdq p1a.batch.bin  
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**Analyst Name**      ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.7	94.4
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.5	104.5
a QC 10	2	<input checked="" type="checkbox"/>	10	10.5	105.4
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	28.0	112.1
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.1	104.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	114.2	114.2
a qc 100	5	<input checked="" type="checkbox"/>	100	112.4	112.4
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	244.5	97.8
a QC 250	6	<input checked="" type="checkbox"/>	250	265.0	106.0
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	440.6	88.1
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	845.1	84.5
a qc 1000	8	<input checked="" type="checkbox"/>	1000	841.9	84.2

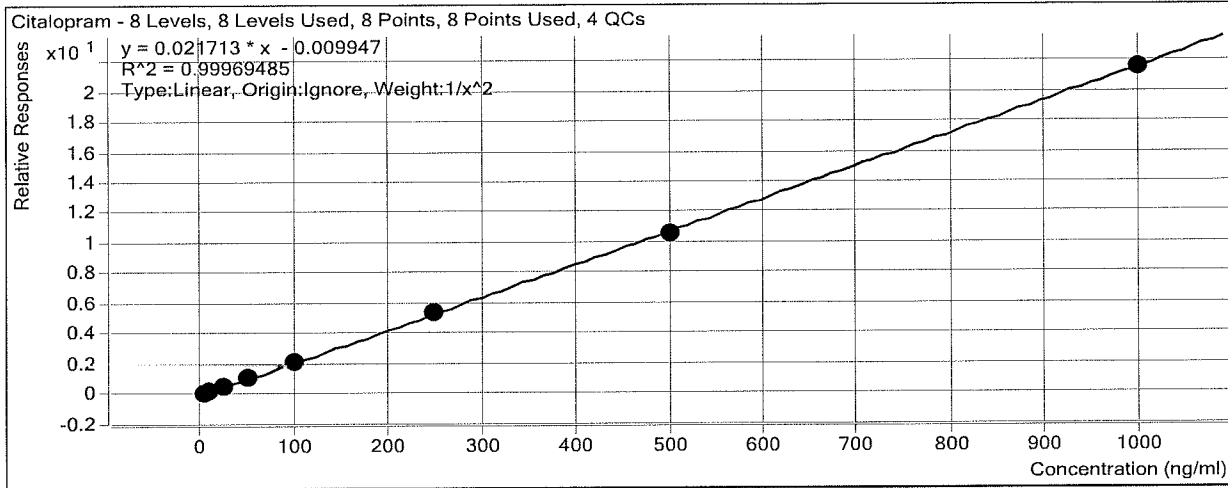
# ISP Forensics Calibration Curve Report

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

D:\2018 Data\07182018 mdq\QuantResults\mdq p1a.batch.bin  
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**Analyst Name**      ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	99.6
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	100.7
a QC 10	2	<input checked="" type="checkbox"/>	10	10.7	107.5
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.7	98.8
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.5	103.1
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.5	100.5
a qc 100	5	<input checked="" type="checkbox"/>	100	94.9	94.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	250.0	100.0
a QC 250	6	<input checked="" type="checkbox"/>	250	233.5	93.4
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	490.7	98.1
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	991.6	99.2
a qc 1000	8	<input checked="" type="checkbox"/>	1000	898.3	89.8

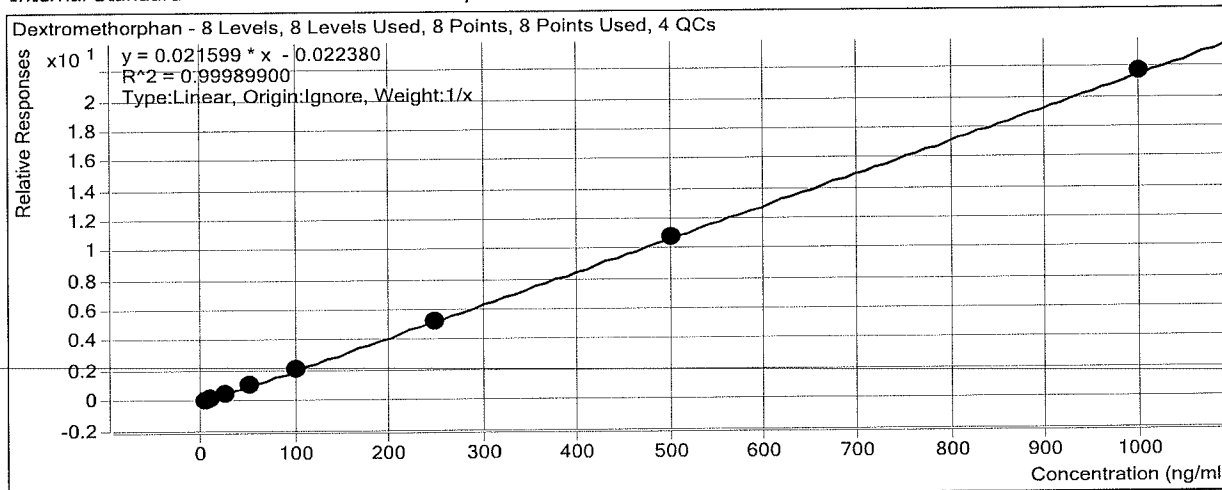
# ISP Forensics Calibration Curve Report

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

D:\2018 Data\07182018 mdq\QuantResults\mdq p1a.batch.bin  
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**Analyst Name**      ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	104.9
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.2	101.6
a QC 10	2	<input checked="" type="checkbox"/>	10	10.8	108.2
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.9	95.4
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.0	97.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.2	101.2
a qc 100	5	<input checked="" type="checkbox"/>	100	98.9	98.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	246.1	98.4
a QC 250	6	<input checked="" type="checkbox"/>	250	252.3	100.9
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	500.6	100.1
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1003.9	100.4
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1002.4	100.2

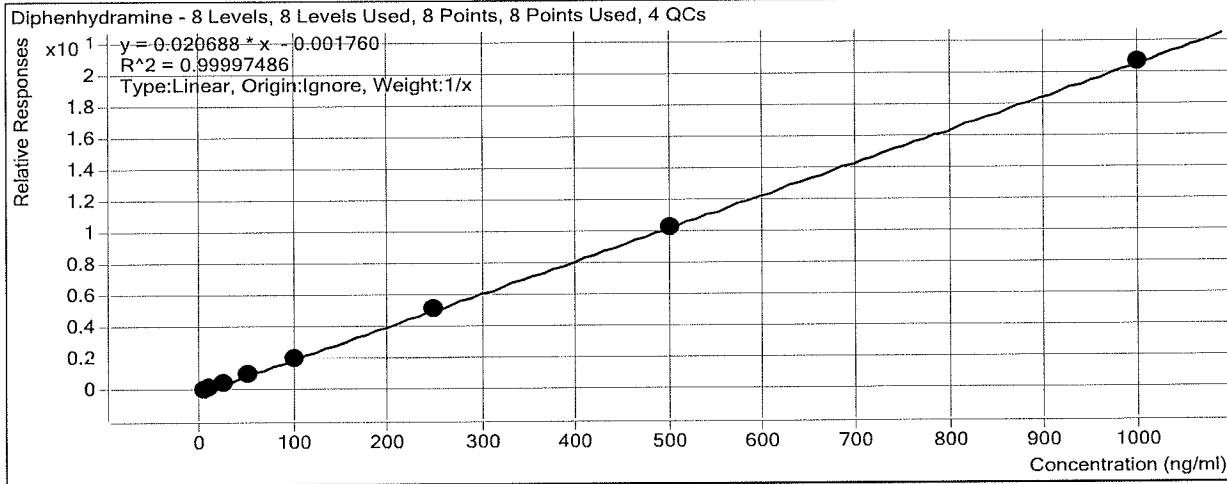
# ISP Forensics Calibration Curve Report

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

D:\2018 Data\07182018 mdq\QuantResults\mdq p1a.batch.bin  
7/19/2018 9:11 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	102.6
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	96.3
a QC 10	2	<input checked="" type="checkbox"/>	10	10.3	103.1
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.9	99.7
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.5	100.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.9	100.9
a qc 100	5	<input checked="" type="checkbox"/>	100	99.3	99.3
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	248.4	99.4
a QC 250	6	<input checked="" type="checkbox"/>	250	247.1	98.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	501.2	100.2
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	999.3	99.9
a qc 1000	8	<input checked="" type="checkbox"/>	1000	969.0	96.9

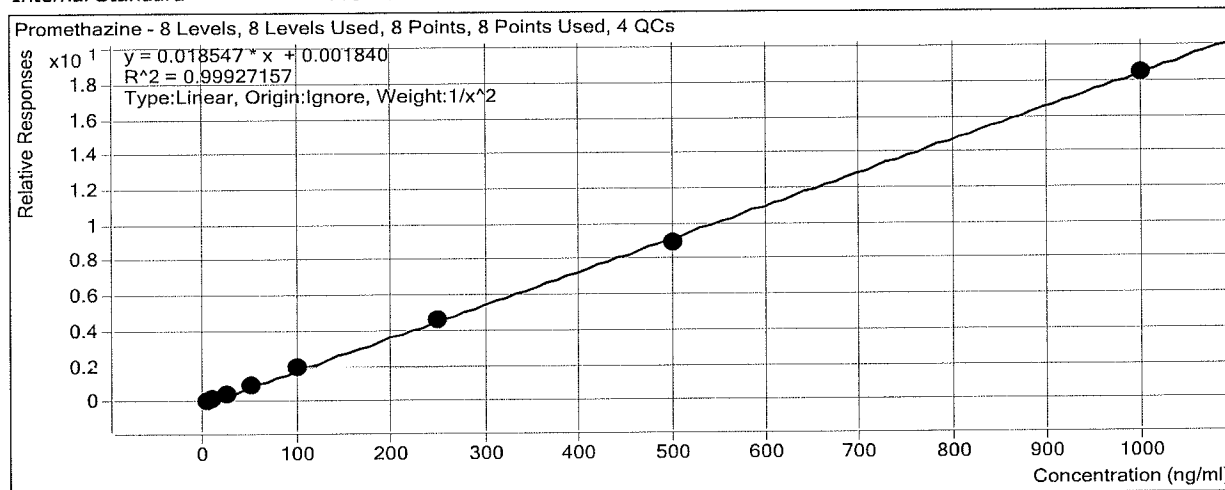
# ISP Forensics Calibration Curve Report

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

D:\2018 Data\07182018 mdq\QuantResults\mdq p1a.batch.bin  
7/19/2018 9:11 AM

**Analyst Name**      ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.5
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	98.2
a QC 10	2	<input checked="" type="checkbox"/>	10	10.3	103.4
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.9	99.5
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.1	104.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.8	101.8
a qc 100	5	<input checked="" type="checkbox"/>	100	104.6	104.6
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	249.8	99.9
a QC 250	6	<input checked="" type="checkbox"/>	250	247.7	99.1
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	482.3	96.5
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	993.6	99.4
a qc 1000	8	<input checked="" type="checkbox"/>	1000	961.1	96.1

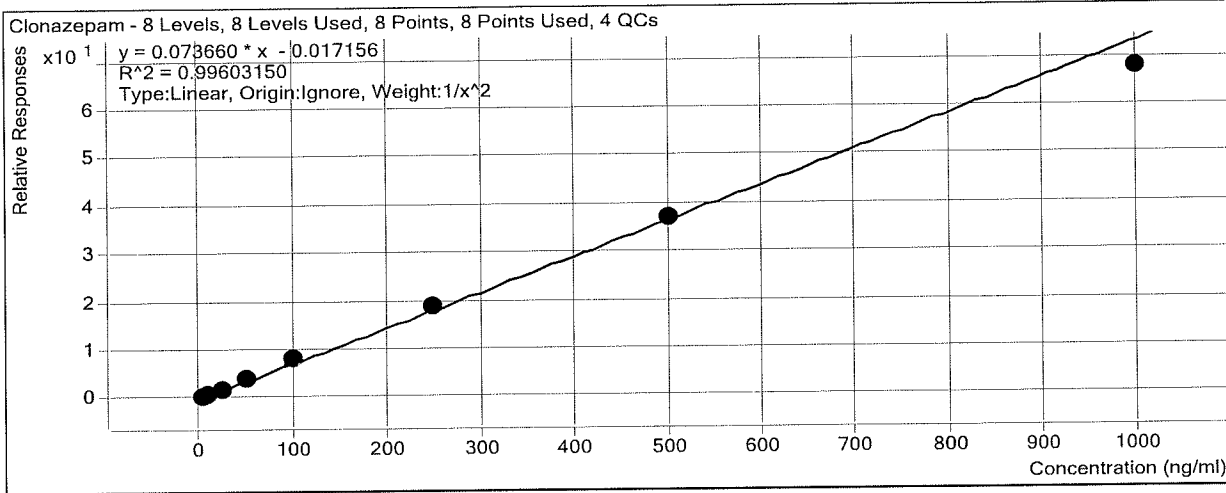
# ISP Forensics Calibration Curve Report

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

D:\2018 Data\07182018 mdq\QuantResults\mdq p1a.batch.bin  
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**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	102.2
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	96.0
a QC 10	2	<input checked="" type="checkbox"/>	10	10.1	101.2
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.0	95.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.6	101.2
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	110.1	110.1
a qc 100	5	<input checked="" type="checkbox"/>	100	107.3	107.3
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	254.7	101.9
a QC 250	6	<input checked="" type="checkbox"/>	250	260.6	104.2
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	503.5	100.7
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	919.9	92.0
a qc 1000	8	<input checked="" type="checkbox"/>	1000	991.2	99.1

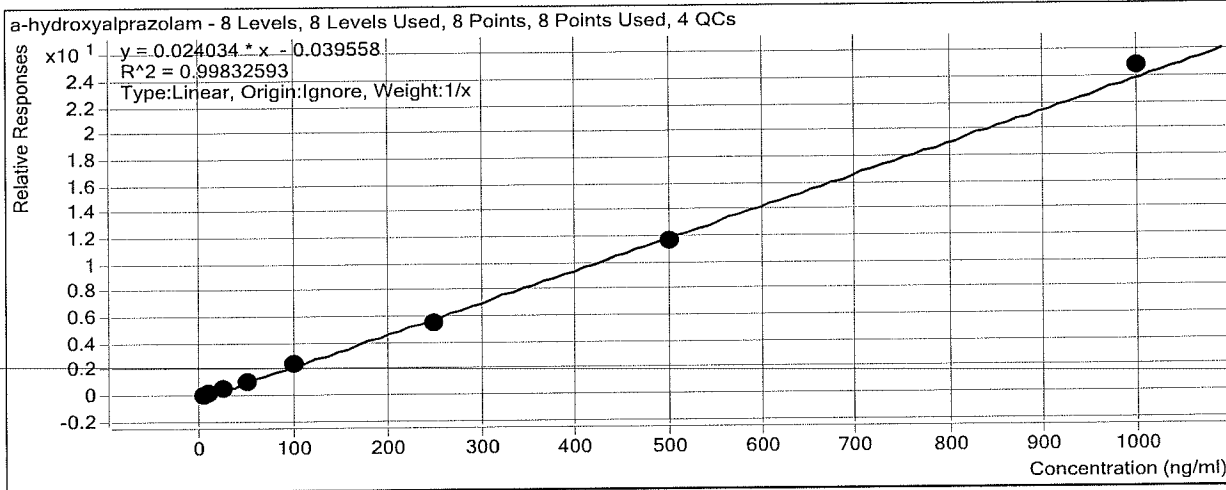
# ISP Forensics Calibration Curve Report

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

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7/19/2018 9:11 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	5.6	112.7
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.2	101.9
a QC 10	2	<input checked="" type="checkbox"/>	10	11.0	109.8
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.9	99.4
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	45.5	91.0
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.0	101.0
a qc 100	5	<input checked="" type="checkbox"/>	100	90.3	90.3
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	232.9	93.2
a QC 250	6	<input checked="" type="checkbox"/>	250	229.5	91.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	488.1	97.6
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1031.9	103.2
a qc 1000	8	<input checked="" type="checkbox"/>	1000	975.1	97.5

# ISP Forensics Calibration Curve Report

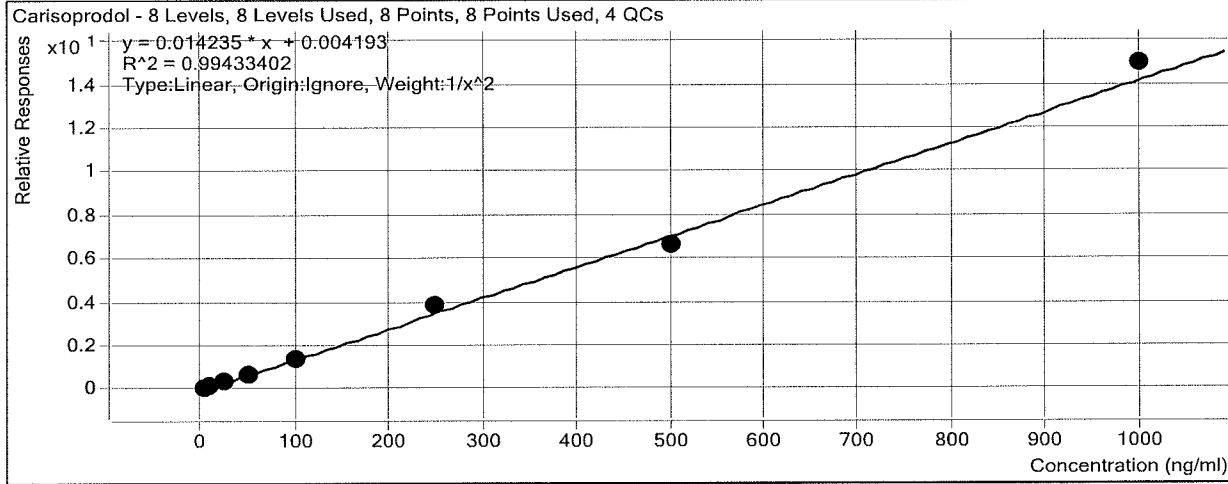
**Batch Data Path**  
**Last Calib Update**

D:\2018 Data\07182018 mdq\QuantResults\mdq p1a.batch.bin  
7/19/2018 9:11 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	5.1	102.9
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.2	92.2
a QC 10	2	<input checked="" type="checkbox"/>	10	11.2	112.1
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	27.1	108.2
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.9	93.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	96.7	96.7
a qc 100	5	<input checked="" type="checkbox"/>	100	111.4	111.4
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	267.9	107.2
a QC 250	6	<input checked="" type="checkbox"/>	250	284.5	113.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	469.6	93.9
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1050.9	105.1
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1026.4	102.6



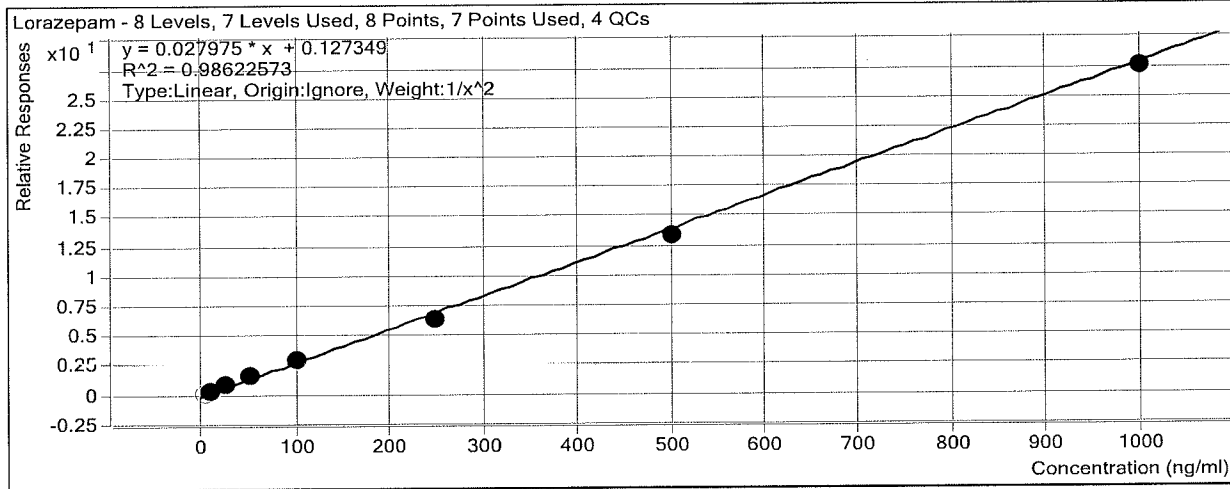
# ISP Forensics Calibration Curve Report

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

D:\2018 Data\07182018 mdq\QuantResults\mdq p1a.batch.bin  
7/19/2018 9:11 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	2.2	43.6
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.2	91.8
a QC 10	2	<input checked="" type="checkbox"/>	10	9.8	97.8
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	29.5	117.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	53.4	106.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.9	102.9
a qc 100	5	<input checked="" type="checkbox"/>	100	97.3	97.3
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	220.2	88.1
a QC 250	6	<input type="checkbox"/>	250	196.1	78.4
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	473.1	94.6
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	979.5	98.0
a qc 1000	8	<input type="checkbox"/>	1000	970.2	97.0

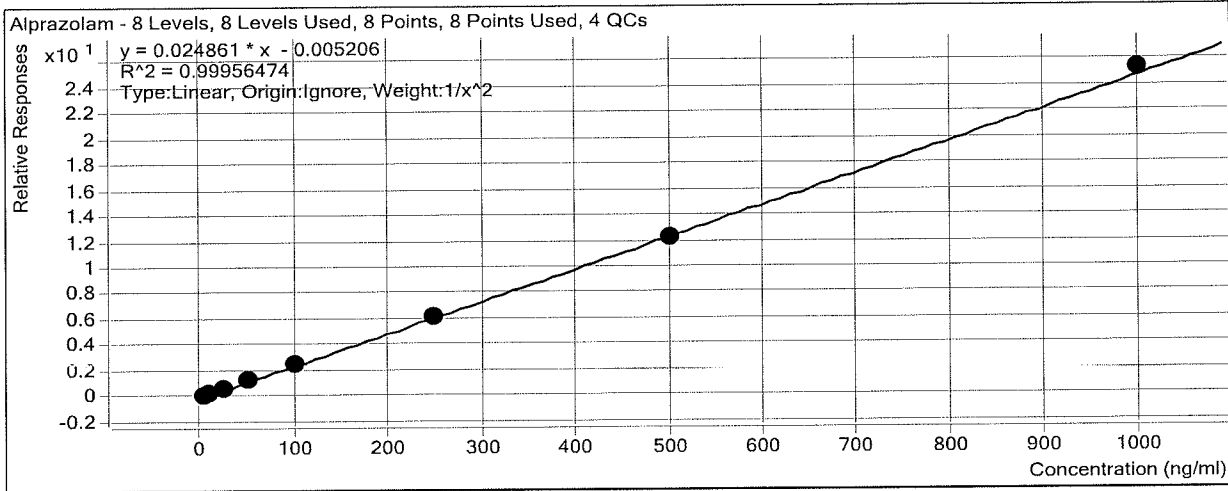
# ISP Forensics Calibration Curve Report

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

D:\2018 Data\07182018 mdq\QuantResults\mdq p1a.batch.bin  
7/19/2018 9:11 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	101.6
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	97.3
a QC 10	2	<input checked="" type="checkbox"/>	10	10.4	103.9
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.5	98.0
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.1	100.2
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.0	102.0
a qc 100	5	<input checked="" type="checkbox"/>	100	101.9	101.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	250.9	100.4
a QC 250	6	<input checked="" type="checkbox"/>	250	268.8	107.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	493.2	98.6
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1018.1	101.8
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1047.9	104.8

# ISP FORENSICS - Cd'A Instrument # 62340

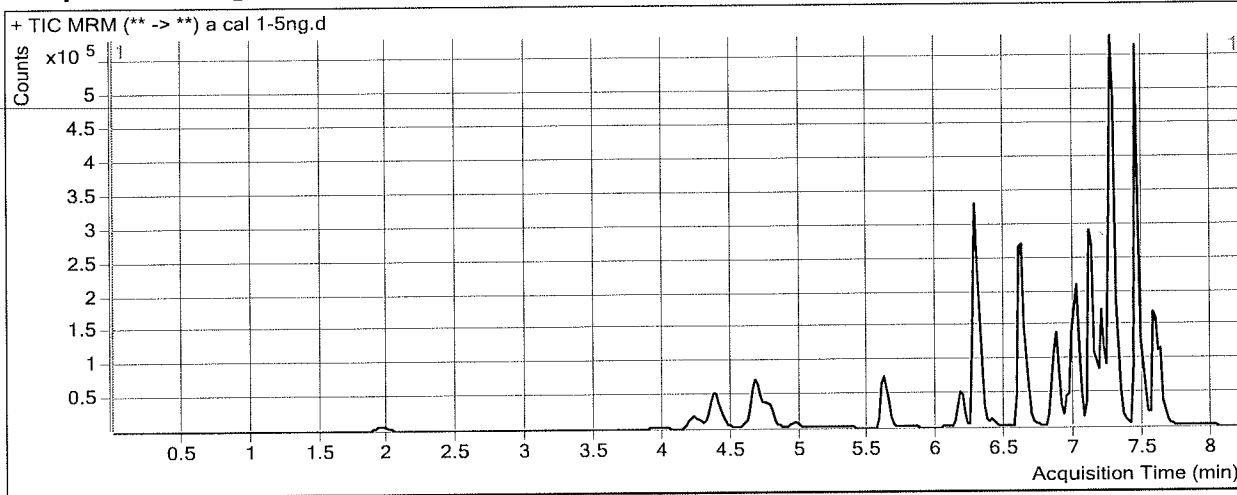
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2018 Data\07182018 mdq\QuantResults\mdq p1a.batch.bin  
**Analysis Time** 7/19/2018 9:11 AM **Analyst Name** ISP Tox  
**Report Time** 7/19/2018 9:14 AM **Reporter Name** ISP Tox  
**Last Calib Update** 7/19/2018 9:11 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-07-18 10:48 **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	1.328	1203	1984	0.6064	5.5914
Hydromorphone	Hydromorphone-D6	1.969	5609	40930	0.1370	5.1653
Codeine	Codeine-D6	4.056	2728	22373	0.1219	5.5627
Amphetamine	Amphetamine-D11	4.383	87247	88267	0.9884	4.9543
Oxycodone	Oxycodone-D6	4.429	17129	152789	0.1121	5.0262
Norhydrocodone	Norhydrocodone-D3	4.779	730	44515	0.0164	14.4143
Hydrocodone	Hydrocodone-D6	4.734	10038	115826	0.0867	4.6350
Methamphetamine	Methamphetamine-D11	4.782	68779	236082	0.2913	5.1283
6-MAM	6-MAM-D6	4.988	422	25938	0.0163	0.6157
Phentermine	Phentermine-D5	5.666	9724	280175	0.0347	3.8678
Dextroprphan	Dextroprphan-D3	6.164	9967	149241	0.0668	5.0674
7-aminoclonazepam	7-Aminoclonazepam-D4	6.292	14934	122979	0.1214	4.8944
Tramadol	Tramadol-13C-D3	6.303	86390	782898	0.1103	4.4263
Doxylamine	Doxylamine-D5	6.640	82646	853227	0.0969	5.0608
Metoprolol	Oxycodone-D6	6.397	12622	152789	0.0826	5.1374
Bupropion	Bupropion-D9	6.890	46231	413099	0.1119	5.0856
Meprobamate	Meprobamate-D7	6.972	9674	115725	0.0836	4.9052
Zolpidem	Zolpidem-D6	7.021	51365	562296	0.0913	4.7734
Venlafaxine	Venlafaxine-D6	7.105	86149	757623	0.1137	5.0408
Trazodone	Trazodone-D6	7.215	50090	452990	0.1106	4.7205
Citalopram	Citalopram-D6	7.237	54968	560086	0.0981	4.9780
Dextromethorphan	Dextromethorphan-D3	7.268	12957	142527	0.0909	5.2451
Diphenhydramine	Diphenhydramine-D3	7.292	104544	1001481	0.1044	5.1310

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

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Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Promethazine	Promethazine-D3	7.447	109012	1146649	0.0951	5.0268
Clonazepam	Clonazepam-D4	7.503	16470	45856	0.3592	5.1090
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.560	3969	41370	0.0959	5.6373
Carisoprodol	Carisoprodol-D7	7.592	28543	368549	0.0774	5.1460
Lorazepam	Clonazepam-D4	7.602	8635	45856	0.1883	2.1793
Alprazolam	Alprazolam-D5	7.627	24112	199111	0.1211	5.0804



# ISP FORENSICS - Cd'A Instrument # 62340

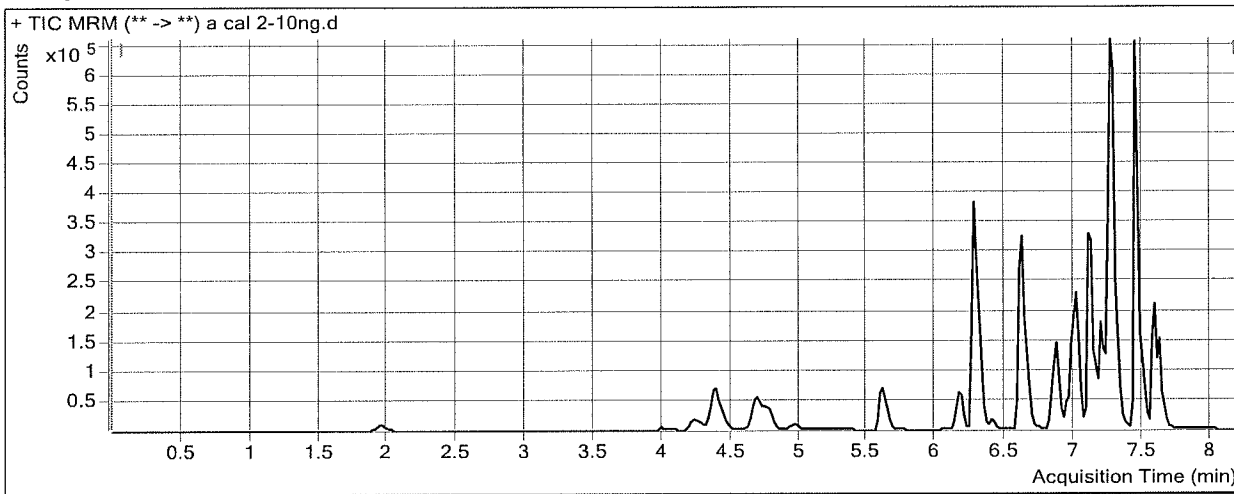
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2018 Data\07182018 mdq\QuantResults\mdq p1a.batch.bin  
**Analysis Time** 7/19/2018 9:11 AM **Analyst Name** ISP Tox  
**Report Time** 7/19/2018 9:14 AM **Reporter Name** ISP Tox  
**Last Calib Update** 7/19/2018 9:11 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-07-18 11:13 **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	1.328	2203	2068	1.0656	9.5232
Hydromorphone	Hydromorphone-D6	1.969	11213	41632	0.2693	9.6290
Codeine	Codeine-D6	4.076	5547	23592	0.2351	9.8896
Amphetamine	Amphetamine-D11	4.383	113912	81861	1.3915	9.8298
Oxycodone	Oxycodone-D6	4.429	34722	159241	0.2180	10.0545
Norhydrocodone	Norhydrocodone-D3	4.779	1541	46255	0.0333	17.6226
Hydrocodone	Hydrocodone-D6	4.734	19181	118578	0.1618	9.1603
Methamphetamine	Methamphetamine-D11	4.782	62305	154790	0.4025	9.2286
6-MAM	6-MAM-D6	4.968	695	26647	0.0261	0.9432
Phentermine	Phentermine-D5	5.666	15731	256213	0.0614	8.0454
Dextrorphan	Dextrorphan-D3	6.164	20807	154307	0.1348	9.9386
7-aminoclonazepam	7-Aminoclonazepam-D4	6.292	30542	127939	0.2387	9.9833
Tramadol	Tramadol-13C-D3	6.303	172012	846935	0.2031	9.0096
Doxylamine	Doxylamine-D5	6.620	161599	876049	0.1845	9.5897
Metoprolol	Oxycodone-D6	6.397	23651	159241	0.1485	9.2842
Bupropion	Bupropion-D9	6.890	80877	373426	0.2166	9.5996
Meprobamate	Meprobamate-D7	6.972	19038	114090	0.1669	10.0402
Zolpidem	Zolpidem-D6	7.021	106081	580047	0.1829	9.7999
Venlafaxine	Venlafaxine-D6	7.125	173149	821361	0.2108	9.4541
Trazodone	Trazodone-D6	7.215	105869	471867	0.2244	10.4535
Citalopram	Citalopram-D6	7.237	128477	615354	0.2088	10.0738
Dextromethorphan	Dextromethorphan-D3	7.268	31211	158323	0.1971	10.1631
Diphenhydramine	Diphenhydramine-D3	7.292	206000	1043433	0.1974	9.6281

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

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Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Promethazine	Promethazine-D3	7.447	232707	1265130	0.1839	9.8184
Clonazepam	Clonazepam-D4	7.503	32289	46781	0.6902	9.6032
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.560	8559	41682	0.2053	10.1895
Carisoprodol	Carisoprodol-D7	7.592	49475	365164	0.1355	9.2233
Lorazepam	Clonazepam-D4	7.602	17972	46781	0.3842	9.1803
Alprazolam	Alprazolam-D5	7.627	47844	202068	0.2368	9.7331



# ISP FORENSICS - Cd'A Instrument # 62340

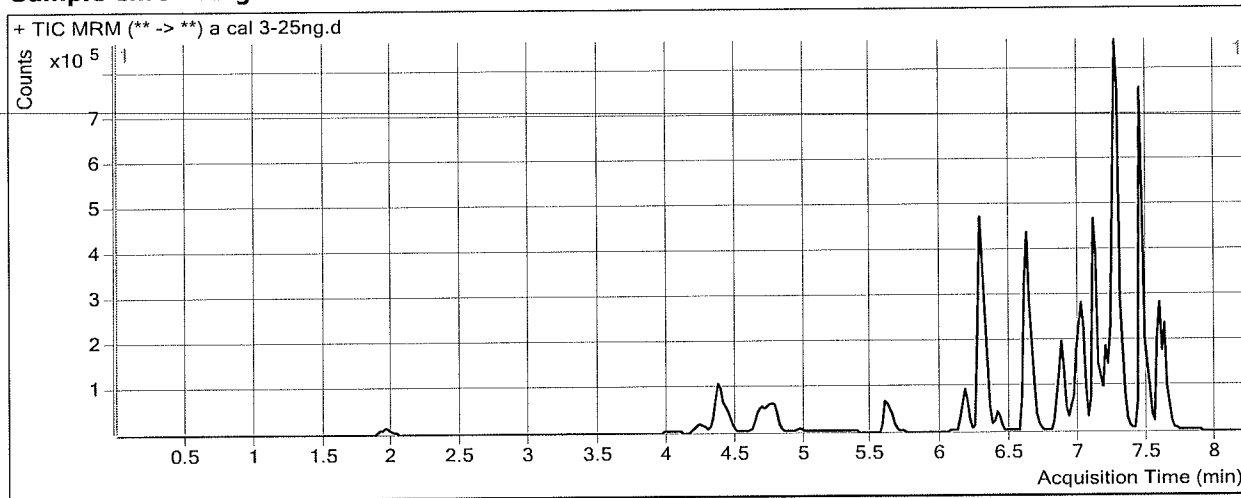
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2018 Data\07182018 mdq\QuantResults\mdq p1a.batch.bin  
**Analysis Time** 7/19/2018 9:11 AM **Analyst Name** ISP Tox  
**Report Time** 7/19/2018 9:14 AM **Reporter Name** ISP Tox  
**Last Calib Update** 7/19/2018 9:11 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-07-18 11:38 **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	1.328	5948	2078	2.8620	24.9032
Hydromorphone	Hydromorphone-D6	1.969	28692	42144	0.6808	23.5119
Codeine	Codeine-D6	4.056	13820	23169	0.5965	23.7015
Amphetamine	Amphetamine-D11	4.383	223036	82024	2.7192	25.8880
Oxycodone	Oxycodone-D6	4.429	79768	156038	0.5112	23.9689
Norhydrocodone	Norhydrocodone-D3	4.779	3635	44923	0.0809	26.6485
Hydrocodone	Hydrocodone-D6	4.734	50909	117112	0.4347	25.6072
Methamphetamine	Methamphetamine-D11	4.782	127118	149840	0.8484	25.6720
6-MAM	6-MAM-D6	4.968	1882	26984	0.0697	2.3985
Phentermine	Phentermine-D5	5.666	41128	244313	0.1683	24.7838
Dextrophan	Dextrophan-D3	6.164	49560	151474	0.3272	23.7059
7-aminoclonazepam	7-Aminoclonazepam-D4	6.292	78894	126891	0.6217	26.6025
Tramadol	Tramadol-13C-D3	6.303	443496	826470	0.5366	25.4899
Doxylamine	Doxylamine-D5	6.620	427626	862747	0.4957	25.6783
Metoprolol	Oxycodone-D6	6.397	62957	156038	0.4035	25.3230
Bupropion	Bupropion-D9	6.870	209232	361093	0.5794	25.2488
Meprobamate	Meprobamate-D7	6.972	48756	112007	0.4353	26.5913
Zolpidem	Zolpidem-D6	7.021	263403	580445	0.4538	24.6764
Venlafaxine	Venlafaxine-D6	7.105	439834	810109	0.5429	24.5501
Trazodone	Trazodone-D6	7.215	260364	454254	0.5732	28.0276
Citalopram	Citalopram-D6	7.237	308099	585360	0.5263	24.6989
Dextromethorphan	Dextromethorphan-D3	7.268	72834	147750	0.4930	23.8586
Diphenhydramine	Diphenhydramine-D3	7.292	514270	1000765	0.5139	24.9245

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

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Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Promethazine	Promethazine-D3	7.447	533275	1151643	0.4631	24.8679
Clonazepam	Clonazepam-D4	7.503	75071	42942	1.7482	23.9662
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.560	21328	38228	0.5579	24.8595
Carisoprodol	Carisoprodol-D7	7.592	139731	358901	0.3893	27.0555
Lorazepam	Clonazepam-D4	7.602	40880	42942	0.9520	29.4772
Alprazolam	Alprazolam-D5	7.627	120320	199228	0.6039	24.5015





# ISP FORENSICS - Cd'A Instrument # 62340

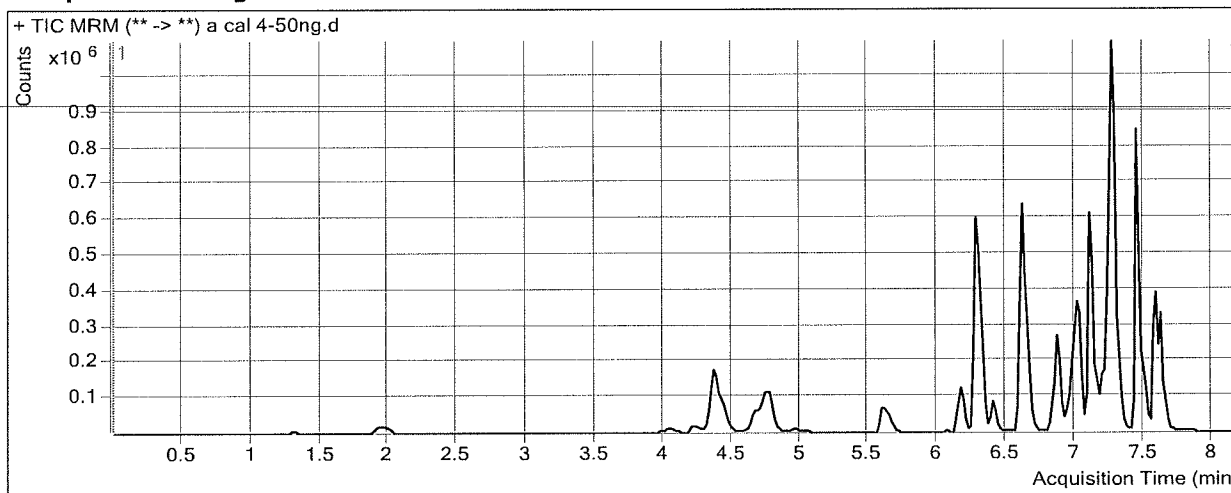
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2018 Data\07182018 mdq\QuantResults\mdq p1a.batch.bin  
**Analysis Time** 7/19/2018 9:11 AM **Analyst Name** ISP Tox  
**Report Time** 7/19/2018 9:14 AM **Reporter Name** ISP Tox  
**Last Calib Update** 7/19/2018 9:11 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-07-18 12:04 **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	1.328	10810	1951	5.5408	47.8379
Hydromorphone	Hydromorphone-D6	1.969	56833	39943	1.4228	48.5495
Codeine	Codeine-D6	4.076	27938	22277	1.2541	48.8370
Amphetamine	Amphetamine-D11	4.383	414387	82615	5.0159	53.6675
Oxycodone	Oxycodone-D6	4.429	155283	147275	1.0544	49.7493
Norhydrocodone	Norhydrocodone-D3	4.779	7668	41560	0.1845	46.2985
Hydrocodone	Hydrocodone-D6	4.734	99009	113644	0.8712	51.9107
Methamphetamine	Methamphetamine-D11	4.782	249731	160382	1.5571	51.8114
6-MAM	6-MAM-D6	4.968	3623	27511	0.1317	4.4635
Phentermine	Phentermine-D5	5.666	81112	243759	0.3328	50.5167
Dextroprphan	Dextroprphan-D3	6.164	92652	135012	0.6863	49.4066
7-aminoclonazepam	7-Aminoclonazepam-D4	6.292	151434	122676	1.2344	53.1861
Tramadol	Tramadol-13C-D3	6.303	831513	759271	1.0951	53.0893
Doxylamine	Doxylamine-D5	6.620	813122	822460	0.9886	51.1658
Metoprolol	Oxycodone-D6	6.397	119325	147275	0.8102	50.9120
Bupropion	Bupropion-D9	6.870	383940	328836	1.1676	50.6135
Meprobamate	Meprobamate-D7	6.972	87222	104320	0.8361	51.3053
Zolpidem	Zolpidem-D6	7.021	515472	550993	0.9355	51.1299
Venlafaxine	Venlafaxine-D6	7.105	793270	727927	1.0898	49.4051
Trazodone	Trazodone-D6	7.215	424839	403879	1.0519	52.1475
Citalopram	Citalopram-D6	7.237	520764	469497	1.1092	51.5424
Dextromethorphan	Dextromethorphan-D3	7.268	128594	124240	1.0350	48.9563
Diphenhydramine	Diphenhydramine-D3	7.292	913530	876609	1.0421	50.4584

**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	7.447	872254	900198	0.9690	52.1451
Clonazepam	Clonazepam-D4	7.503	142688	38460	3.7101	50.6001
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.560	39002	37014	1.0537	45.4884
Carisoprodol	Carisoprodol-D7	7.592	233070	347045	0.6716	46.8835
Lorazepam	Clonazepam-D4	7.602	62329	38460	1.6206	53.3786
Alprazolam	Alprazolam-D5	7.627	226328	182412	1.2408	50.1164



# ISP FORENSICS - Cd'A Instrument # 62340

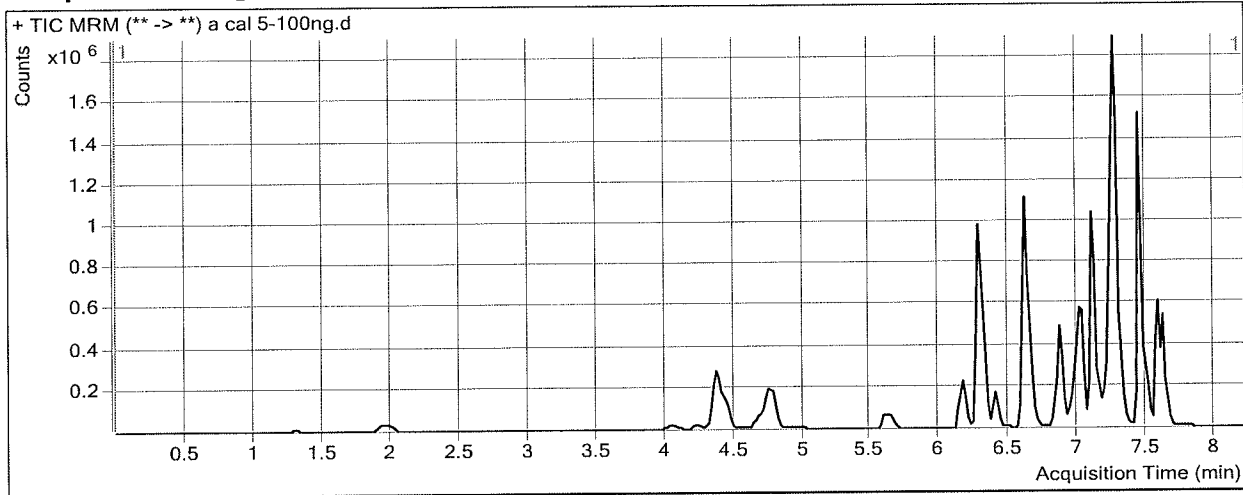
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2018 Data\07182018 mdq\QuantResults\mdq p1a.batch.bin  
**Analysis Time** 7/19/2018 9:11 AM **Analyst Name** ISP Tox  
**Report Time** 7/19/2018 9:14 AM **Reporter Name** ISP Tox  
**Last Calib Update** 7/19/2018 9:11 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-07-18 12:29 **Data File** a cal 5-100ng.d  
**Sample Type** Calibration **Sample Name** a cal 5-100ng  
**Dilution** 1 **Acq Method** a1 mdq 618.m  
**Position** P2-E1 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28 Panel 1

### Sample Chromatogram



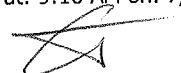
### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.328	22530	1927	11.6896	100.4822
Hydromorphone	Hydromorphone-D6	1.969	116626	39802	2.9301	99.4068
Codeine	Codeine-D6	4.056	56745	21906	2.5904	99.9084
Amphetamine	Amphetamine-D11	4.383	718262	74047	9.7001	110.3257
Oxycodone	Oxycodone-D6	4.429	321510	147398	2.1812	103.2344
Norhydrocodone	Norhydrocodone-D3	4.779	16321	39968	0.4084	88.7583
Hydrocodone	Hydrocodone-D6	4.734	203990	117349	1.7383	104.1608
Methamphetamine	Methamphetamine-D11	4.782	426264	138323	3.0817	108.0388
6-MAM	6-MAM-D6	4.968	7686	25698	0.2991	10.0460
Phentermine	Phentermine-D5	5.646	149625	229245	0.6527	100.5913
Dextropropion	Dextropropion-D3	6.164	207389	147058	1.4103	101.2285
7-aminoclonazepam	7-Aminoclonazepam-D4	6.292	307360	124264	2.4734	106.9456
Tramadol	Tramadol-13C-D3	6.283	1714688	774159	2.2149	108.4210
Doxylamine	Doxylamine-D5	6.620	1671465	849329	1.9680	101.7973
Metoprolol	Oxycodone-D6	6.397	250272	147398	1.6979	106.7592
Bupropion	Bupropion-D9	6.870	828536	359824	2.3026	99.5648
Meprobamate	Meprobamate-D7	6.972	170490	99743	1.7093	105.1464
Zolpidem	Zolpidem-D6	7.021	1081649	570581	1.8957	103.8554
Venlafaxine	Venlafaxine-D6	7.105	1769476	741032	2.3879	108.4067
Trazodone	Trazodone-D6	7.215	993552	435022	2.2839	114.2207
Citalopram	Citalopram-D6	7.237	1085572	499759	2.1722	100.4991
Dextromethorphan	Dextromethorphan-D3	7.268	296563	137123	2.1628	101.1668
Diphenhydramine	Diphenhydramine-D3	7.292	1987942	952698	2.0866	100.9481

**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	7.447	1993844	1055175	1.8896	101.7837
Clonazepam	Clonazepam-D4	7.503	254171	31393	8.0963	110.1468
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.560	78042	32691	2.3873	100.9757
Carisoprodol	Carisoprodol-D7	7.592	443229	321028	1.3807	96.6953
Lorazepam	Clonazepam-D4	7.602	94336	31393	3.0050	102.8624
Alprazolam	Alprazolam-D5	7.627	445690	176132	2.5304	101.9912



# ISP FORENSICS - Cd'A Instrument # 62340

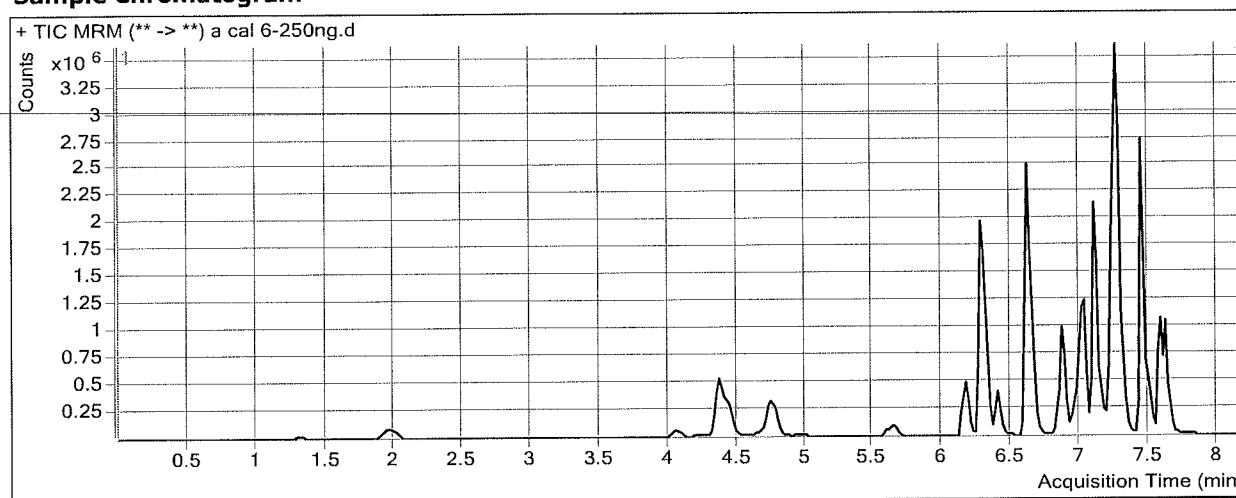
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2018 Data\07182018 mdq\QuantResults\mdq p1a.batch.bin  
**Analysis Time** 7/19/2018 9:11 AM **Analyst Name** ISP Tox  
**Report Time** 7/19/2018 9:14 AM **Reporter Name** ISP Tox  
**Last Calib Update** 7/19/2018 9:11 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-07-18 12:55 **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



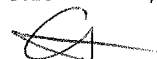
### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.328	59765	2121	28.1726	241.6046
Hydromorphone	Hydromorphone-D6	1.969	305347	41211	7.4094	250.5387
Codeine	Codeine-D6	4.056	135816	21531	6.3078	241.9908
Amphetamine	Amphetamine-D11	4.383	1379301	65558	21.0395	247.4806
Oxycodone	Oxycodone-D6	4.429	783588	142708	5.4909	260.3204
Norhydrocodone	Norhydrocodone-D3	4.779	45846	39160	1.1707	233.3672
Hydrocodone	Hydrocodone-D6	4.734	512256	113905	4.4972	270.4071
Methamphetamine	Methamphetamine-D11	4.782	512420	71416	7.1751	259.0094
6-MAM	6-MAM-D6	4.968	19885	27437	0.7247	24.2386
Phentermine	Phentermine-D5	5.646	288228	174029	1.6562	257.6574
Dextroprorphan	Dextroprorphan-D3	6.164	524643	148926	3.5229	252.4412
7-aminoclonazepam	7-Aminoclonazepam-D4	6.292	682656	115333	5.9190	256.4455
Tramadol	Tramadol-13C-D3	6.283	4296874	793409	5.4157	266.5859
Doxylamine	Doxylamine-D5	6.620	4199214	871840	4.8165	249.0650
Metoprolol	Oxycodone-D6	6.397	600094	142708	4.2051	264.4848
Bupropion	Bupropion-D9	6.870	1927311	332705	5.7929	250.0901
Meprobamate	Meprobamate-D7	6.972	378334	94651	3.9971	246.2163
Zolpidem	Zolpidem-D6	7.021	2646398	566799	4.6690	256.1469
Venlafaxine	Venlafaxine-D6	7.105	4422166	800892	5.5216	250.8417
Trazodone	Trazodone-D6	7.215	2117378	434848	4.8692	244.4783
Citalopram	Citalopram-D6	7.237	2463844	454663	5.4191	250.0342
Dextromethorphan	Dextromethorphan-D3	7.268	697201	131712	5.2934	246.1066
Diphenhydramine	Diphenhydramine-D3	7.292	4595554	894562	5.1372	248.4046

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

al cal 6

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Promethazine	Promethazine-D3	7.447	4509127	972866	4.6349	249.8053
Clonazepam	Clonazepam-D4	7.503	478288	25518	18.7435	254.6906
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.560	155556	27987	5.5582	232.9127
Carisoprodol	Carisoprodol-D7	7.592	1055136	276367	3.8179	267.9079
Lorazepam	Clonazepam-D4	7.602	160465	25518	6.2884	220.2307
Alprazolam	Alprazolam-D5	7.627	987245	158383	6.2333	250.9310



# ISP FORENSICS - Cd'A Instrument # 62340

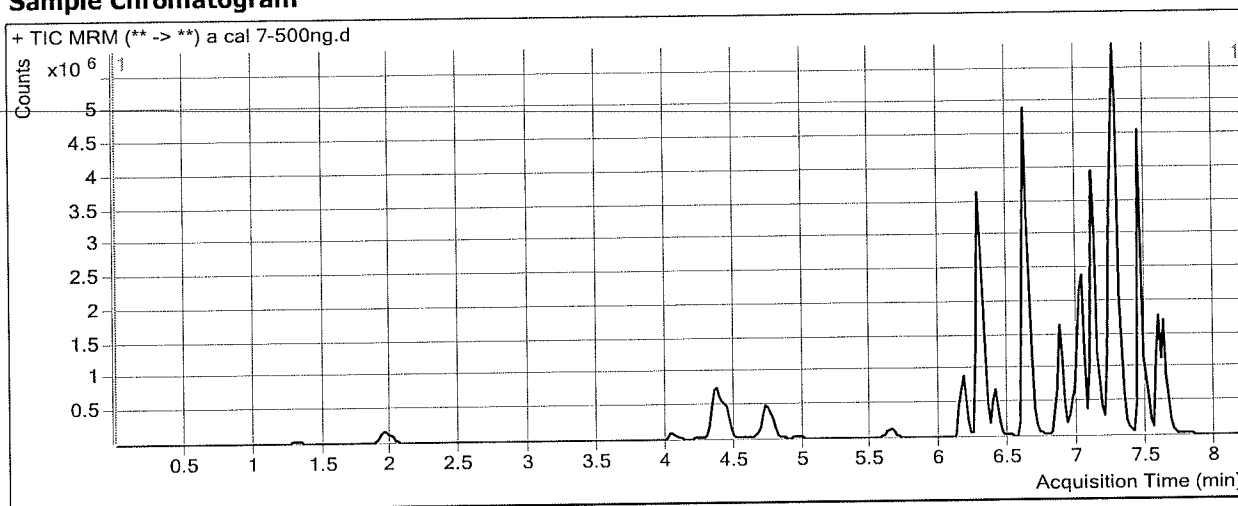
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2018 Data\07182018 mdq\QuantResults\mdq p1a.batch.bin  
**Analysis Time** 7/19/2018 9:11 AM **Analyst Name** ISP Tox  
**Report Time** 7/19/2018 9:14 AM **Reporter Name** ISP Tox  
**Last Calib Update** 7/19/2018 9:11 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-07-18 13:20 **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	1.328	112860	1953	57.7937	495.2112
Hydromorphone	Hydromorphone-D6	1.969	580469	38654	15.0170	507.2237
Codeine	Codeine-D6	4.056	260186	20064	12.9678	496.5413
Amphetamine	Amphetamine-D11	4.363	1909078	55103	34.6456	412.0517
Oxycodone	Oxycodone-D6	4.429	1496350	142935	10.4688	496.5898
Norhydrocodone	Norhydrocodone-D3	4.759	99379	36830	2.6983	523.1203
Hydrocodone	Hydrocodone-D6	4.734	961028	116355	8.2595	497.1134
Methamphetamine	Methamphetamine-D11	4.762	585730	44462	13.1736	480.2425
6-MAM	6-MAM-D6	4.968	41523	28522	1.4558	48.6151
Phentermine	Phentermine-D5	5.646	433362	135810	3.1910	497.8686
Dextropropranolol	Dextropropranolol-D3	6.164	1050113	146171	7.1841	514.5038
7-aminoclonazepam	7-Aminoclonazepam-D4	6.272	1128277	102269	11.0324	478.3127
Tramadol	Tramadol-13C-D3	6.283	8555892	829155	10.3188	508.8675
Doxylamine	Doxylamine-D5	6.620	8583628	894891	9.5918	495.9480
Metoprolol	Oxycodone-D6	6.397	1121539	142935	7.8465	493.5728
Bupropion	Bupropion-D9	6.870	3229672	286048	11.2907	487.1965
Meprobamate	Meprobamate-D7	6.972	697253	87953	7.9275	488.5681
Zolpidem	Zolpidem-D6	7.021	5366594	585684	9.1630	502.9212
Venlafaxine	Venlafaxine-D6	7.105	8977786	821527	10.9282	496.5869
Trazodone	Trazodone-D6	7.215	3914382	446710	8.7627	440.6444
Citalopram	Citalopram-D6	7.237	4107266	385835	10.6451	490.7230
Dextromethorphan	Dextromethorphan-D3	7.268	1259241	116703	10.7901	500.5937
Diphenhydramine	Diphenhydramine-D3	7.292	8578711	827429	10.3679	501.2435

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

*al 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>
Promethazine	Promethazine-D3	7.447	8110068	906518	8.9464	482.2736
Clonazepam	Clonazepam-D4	7.503	700067	18883	37.0732	503.5317
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.560	258631	22122	11.6910	488.0862
Carisoprodol	Carisoprodol-D7	7.592	1562047	233546	6.6884	469.5594
Lorazepam	Clonazepam-D4	7.602	252336	18883	13.3629	473.1124
Alprazolam	Alprazolam-D5	7.627	1733130	141398	12.2571	493.2290





# ISP FORENSICS - Cd'A Instrument # 62340

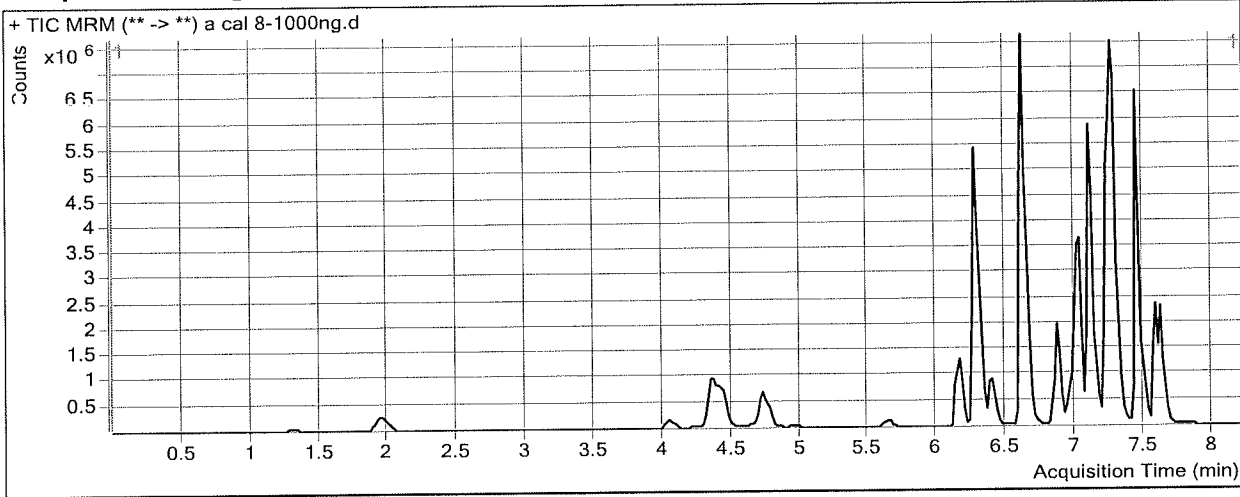
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2018 Data\07182018 mdq\QuantResults\mdq p1a.batch.bin  
**Analysis Time** 7/19/2018 9:11 AM **Analyst Name** ISP Tox  
**Report Time** 7/19/2018 9:14 AM **Reporter Name** ISP Tox  
**Last Calib Update** 7/19/2018 9:11 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-07-18 13:46 **Data File** a cal 8-1000ng.d  
**Sample Type** Calibration **Sample Name** a cal 8-1000ng  
**Dilution** 1 **Acq Method** a1 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
Morphine	Morphine-D6	1.308	185365	1564	118.4868	1014.8462
Hydromorphone	Hydromorphone-D6	1.969	1017812	31758	32.0494	1081.9080
Codeine	Codeine-D6	4.056	410581	15496	26.4951	1013.5687
Amphetamine	Amphetamine-D11	4.363	2514727	38292	65.6721	787.3303
Oxycodone	Oxycodone-D6	4.429	2357250	114279	20.6271	978.7414
Norhydrocodone	Norhydrocodone-D3	4.779	168825	28351	5.9547	1140.7969
Hydrocodone	Hydrocodone-D6	4.734	1536089	94683	16.2234	977.0055
Methamphetamine	Methamphetamine-D11	4.782	524132	21079	24.8655	911.4529
6-MAM	6-MAM-D6	4.968	70029	22757	3.0772	102.6794
Phentermine	Phentermine-D5	5.646	520025	84118	6.1821	966.0318
Dextroprphan	Dextroprphan-D3	6.164	1644823	117152	14.0401	1005.2305
7-aminoclonazepam	7-Aminoclonazepam-D4	6.272	1547864	79622	19.4401	843.1151
Tramadol	Tramadol-13C-D3	6.283	13302935	681097	19.5316	964.1106
Doxylamine	Doxylamine-D5	6.620	14134826	751627	18.8056	972.3007
Metoprolol	Oxycodone-D6	6.397	1635467	114279	14.3112	900.2711
Bupropion	Bupropion-D9	6.870	4056025	169825	23.8836	1030.2980
Meprobamate	Meprobamate-D7	6.972	1031440	69739	14.7899	911.7080
Zolpidem	Zolpidem-D6	7.021	8749454	486816	17.9728	986.6969
Venlafaxine	Venlafaxine-D6	7.105	14195510	647918	21.9094	995.7145
Trazodone	Trazodone-D6	7.215	6460666	384792	16.7900	845.0885
Citalopram	Citalopram-D6	7.237	5538262	257337	21.5214	991.6334
Dextromethorphan	Dextromethorphan-D3	7.268	1781001	82220	21.6614	1003.9097
Diphenhydramine	Diphenhydramine-D3	7.292	12462492	602901	20.6709	999.2618

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

*al cal 8*

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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	7.447	11759049	638060	18.4294	993.5787
Clonazepam	Clonazepam-D4	7.503	879141	12977	67.7467	919.9490
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.560	363611	14686	24.7598	1031.8506
Carisoprodol	Carisoprodol-D7	7.592	2457020	164201	14.9635	1050.8750
Lorazepam	Clonazepam-D4	7.602	357258	12977	27.5303	979.5372
Alprazolam	Alprazolam-D5	7.627	2530289	99984	25.3069	1018.1321

*[Signature]*

# ISP FORENSICS - Cd'A Instrument # 62340

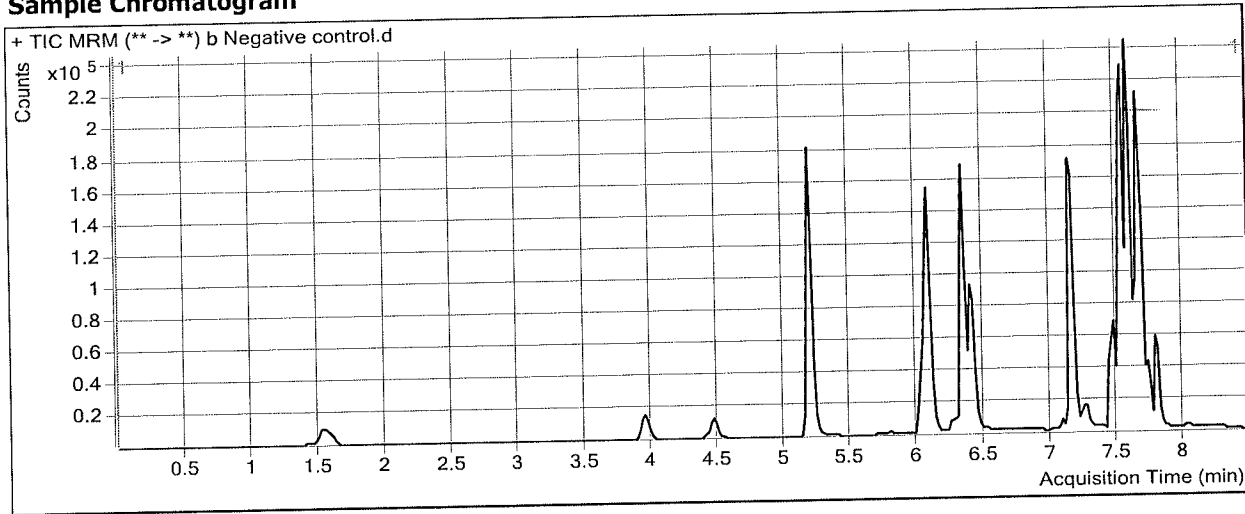
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	D:\2018 Data\07182018 mdq\QuantResults\mdq p1b.batch.bin		
<b>Analysis Time</b>	7/19/2018 8:07 AM	<b>Analyst Name</b>	ISP Tox
<b>Report Time</b>	7/19/2018 8:24 AM	<b>Reporter Name</b>	ISP Tox
<b>Last Calib Update</b>	7/19/2018 8:07 AM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2018-07-18 14:37	<b>Data File</b>	b Negative control.d
<b>Sample Type</b>	Sample	<b>Sample Name</b>	b Negative control
<b>Dilution</b>	1	<b>Acq Method</b>	b1 mdq 618.m
<b>Position</b>	P2-E2	<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
Fluoxetine	Fluoxetine-D6	7.581	7490	482616	0.0155	0.6757 <i>25</i>

# ISP FORENSICS - Cd'A Instrument # 62340

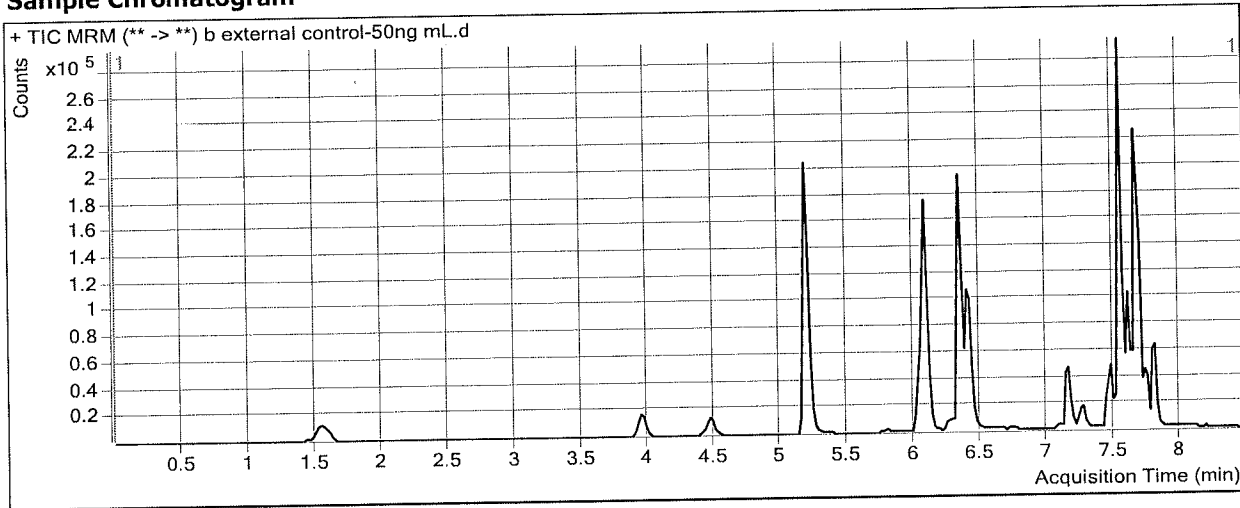
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2018 Data\07182018 mdq\QuantResults\mdq p1b.batch.bin  
**Analysis Time** 7/19/2018 8:07 AM **Analyst Name** ISP Tox  
**Report Time** 7/19/2018 8:24 AM **Reporter Name** ISP Tox  
**Last Calib Update** 7/19/2018 8:07 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-07-18 15:02 **Data File** b external control-50ng mL.d  
**Sample Type** Sample **Sample Name** b external control-50ng mL  
**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	7.540	192470	292517	0.6580	36.4280
Sertraline	Sertraline-D3	7.643	6058	7469	0.8111	38.1154

# ISP FORENSICS - Cd'A Instrument # 62340

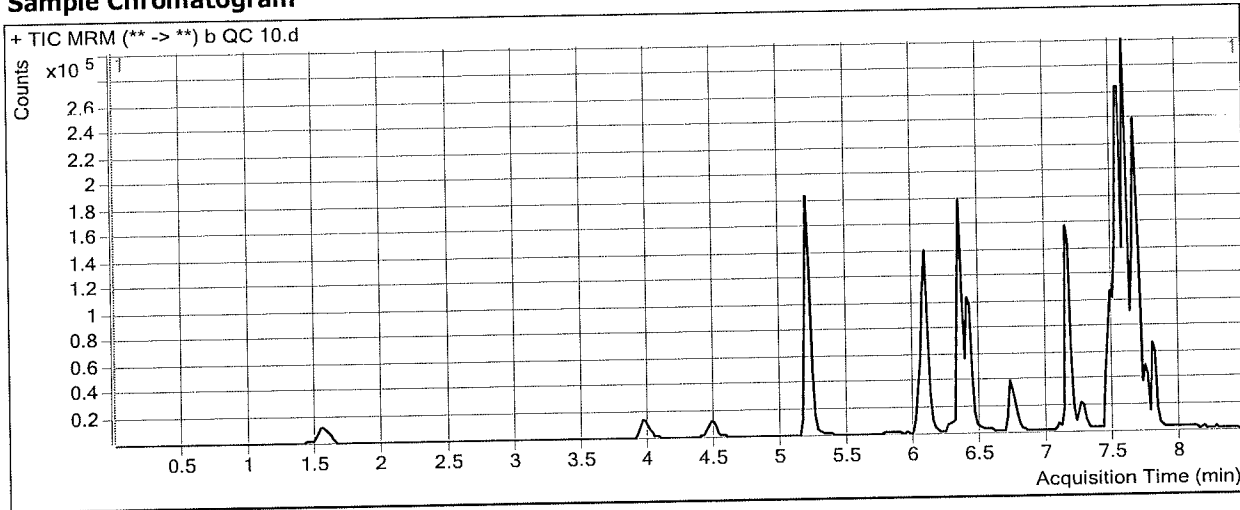
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	D:\2018 Data\07182018 mdq\QuantResults\mdq p1b.batch.bin		
<b>Analysis Time</b>	7/19/2018 8:07 AM	<b>Analyst Name</b>	ISP Tox
<b>Report Time</b>	7/19/2018 8:24 AM	<b>Reporter Name</b>	ISP Tox
<b>Last Calib Update</b>	7/19/2018 8:07 AM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2018-07-18 15:27	<b>Data File</b>	b QC 10.d
<b>Sample Type</b>	QC	<b>Sample Name</b>	b QC 10
<b>Dilution</b>	1	<b>Acq Method</b>	b1 mdq 618.m
<b>Position</b>	P2-A2	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	AM 28 Panel 1

### Sample Chromatogram



### Results


Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.568	12189	57388	0.2124	9.2781
Dihydrocodeine	Dihydrocodeine-D6	4.010	11792	59022	0.1998	10.2510
Noroxycodone	Noroxycodone-D3	4.518	12252	45534	0.2691	10.7148
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.199	102611	496152	0.2068	10.1946
Benzoylcegonine	Benzoylcegonine-d8	5.828	594	4238	0.1402	9.5828
Ketamine	Ketamine-D4	6.061	36679	152336	0.2408	9.8999
Norfentanyl	Norfentanyl-D5	6.104	5998	318084	0.0189	1.2364 <i>outside curve range</i>
Cocaine	Cocaine-d3	6.329	79840	421629	0.1894	10.0905
alpha-PVP	alpha-PVP-d8	6.425	52816	249335	0.2118	9.5778
Mirtazapine	alpha-PVP-d8	6.720	67744	249335	0.2717	11.1600
Norbuprenorphine	Norbuprenorphine-D3	7.072	417	14854	0.0281	1.4438 <i>outside curve range</i>
Fentanyl	Fentanyl-D5	7.158	9626	448008	0.0215	0.9882
Mitragynine	EDDP-D3	7.234	18699	19406	0.9636	13.3041
EDDP	EDDP-D3	7.246	4099	19406	0.2112	11.0741
Quetiapine	Quetiapine-D8	7.477	110951	153802	0.7214	9.8039
Cyclobenzaprine	Cyclobenzaprine-D3	7.509	40595	187549	0.2164	10.4516
Methadone	Methadone-D9	7.540	88569	492189	0.1799	10.2959
Buprenorphine	Buprenorphine-D4	7.714	2340	98781	0.0237	0.9830
Fluoxetine	Fluoxetine-D6	7.581	101460	490729	0.2068	10.0510
Sertraline	Sertraline-D3	7.643	22224	107503	0.2067	10.4459
Temazepam	Temazepam-D5	7.665	59297	294804	0.2011	9.8751
Oxazepam	Oxazepam-D5	7.606	28402	139799	0.2032	10.0556
Nordiazepam	Nordiazepam-D5	7.753	23763	66160	0.3592	11.4203

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

b1 QC 10

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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	7.809	28728	117415	0.2447	10.0718



# ISP FORENSICS - Cd'A Instrument # 62340

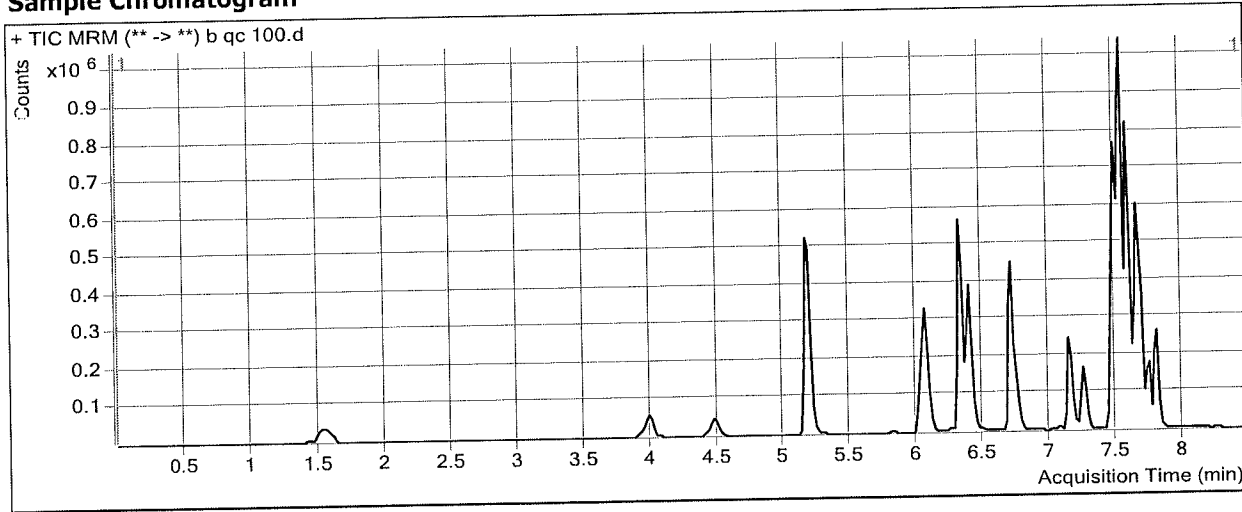
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2018 Data\07182018 mdq\QuantResults\mdq p1b.batch.bin  
**Analysis Time** 7/19/2018 8:07 AM **Analyst Name** ISP Tox  
**Report Time** 7/19/2018 8:24 AM **Reporter Name** ISP Tox  
**Last Calib Update** 7/19/2018 8:07 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-07-18 18:51 **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	1.548	145143	62686	2.3154	97.1839
Dihydrocodeine	Dihydrocodeine-D6	3.990	138978	67992	2.0441	111.9872
Noroxycodone	Noroxycodone-D3	4.477	124853	44886	2.7815	96.7561
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.199	1222552	571181	2.1404	105.4205
Benzoylcegonine	Benzoylcegonine-d8	5.808	7070	4817	1.4676	108.4128
Ketamine	Ketamine-D4	6.061	444726	170959	2.6014	105.2776
Norfentanyl	Norfentanyl-D5	6.084	79995	370230	0.2161	9.6943
Cocaine	Cocaine-d3	6.309	893949	490747	1.8216	96.5817
alpha-PVP	alpha-PVP-d8	6.405	615461	278400	2.2107	97.0686
Mirtazapine	alpha-PVP-d8	6.720	782075	278400	2.8092	98.9534
Norbuprenorphine	Norbuprenorphine-D3	7.072	3580	16530	0.2166	10.4257
Fentanyl	Fentanyl-D5	7.158	113860	514179	0.2214	9.2949
Mitragynine	EDDP-D3	7.234	200133	29370	6.8142	110.7574
EDDP	EDDP-D3	7.246	64292	29370	2.1890	93.1737
Quetiapine	Quetiapine-D8	7.477	1186418	158101	7.5042	106.4968
Cyclobenzaprine	Cyclobenzaprine-D3	7.509	416690	206015	2.0226	95.2218
Methadone	Methadone-D9	7.540	1014259	539028	1.8816	103.3209
Buprenorphine	Buprenorphine-D4	7.735	24968	105954	0.2356	9.2918
Fluoxetine	Fluoxetine-D6	7.581	1056918	494920	2.1355	104.6097
Sertraline	Sertraline-D3	7.643	185176	91201	2.0304	93.9378
Temazepam	Temazepam-D5	7.665	586647	276744	2.1198	88.3029
Oxazepam	Oxazepam-D5	7.606	186274	86764	2.1469	99.3172
Nordiazepam	Nordiazepam-D5	7.753	224073	59073	3.7932	104.3489



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

b1 Q C 100

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Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Diazepam	Diazepam-D5	7.809	307332	122108	2.5169	101.0762





# ISP FORENSICS - Cd'A Instrument # 62340

## Multi-Drug Confirmatory Analysis Report

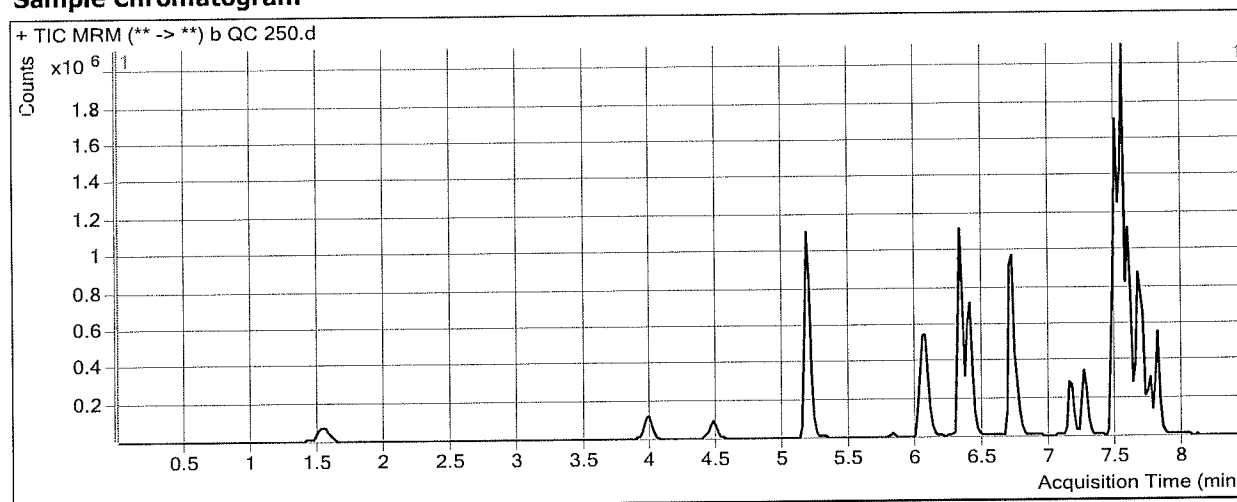
b1 QC 250

**Batch Data Path** D:\2018 Data\07182018 mdq\QuantResults\mdq p1b.batch.bin  
**Analysis Time** 7/19/2018 8:07 AM **Analyst Name** ISP Tox  
**Report Time** 7/19/2018 8:24 AM **Reporter Name** ISP Tox  
**Last Calib Update** 7/19/2018 8:07 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-07-18 19:16 **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	1.548	334741	56359	5.9395	248.6700
Dihydrocodeine	Dihydrocodeine-D6	3.990	320599	66845	4.7962	263.8040
Noroxycodone	Noroxycodone-D3	4.477	273014	37671	7.2473	249.6905
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.179	3001610	554957	5.4087	266.3809
Benzoyllecgonine	Benzoyllecgonine-d8	5.808	20013	4802	4.1675	309.4277
Ketamine	Ketamine-D4	6.041	1053848	160955	6.5475	264.7167
Norfentanyl	Norfentanyl-D5	6.084	194980	351808	0.5542	24.1970
Cocaine	Cocaine-d3	6.309	2115959	458673	4.6132	244.5063
alpha-PVP	alpha-PVP-d8	6.405	1381178	256375	5.3873	236.1099
Mirtazapine	alpha-PVP-d8	6.720	1826390	256375	7.1239	248.2374
Norbuprenorphine	Norbuprenorphine-D3	7.072	8950	16208	0.5522	26.4161
Fentanyl	Fentanyl-D5	7.158	266877	471533	0.5660	23.6080
Mitragynine	EDDP-D3	7.234	436463	29403	14.8443	244.5158
EDDP	EDDP-D3	7.246	171047	29403	5.8174	243.7882
Quetiapine	Quetiapine-D8	7.477	2686809	141817	18.9456	269.6020
Cyclobenzaprine	Cyclobenzaprine-D3	7.509	859501	160823	5.3444	251.1242
Methadone	Methadone-D9	7.540	2236072	476721	4.6905	256.8711
Buprenorphine	Buprenorphine-D4	7.735	55234	97567	0.5661	22.2461
Fluoxetine	Fluoxetine-D6	7.581	1695142	327643	5.1738	253.5587
Sertraline	Sertraline-D3	7.643	247092	46734	5.2872	243.0369
Temazepam	Temazepam-D5	7.665	1188521	207381	5.7311	235.9175
Oxazepam	Oxazepam-D5	7.606	266252	46118	5.7733	265.8508
Nordiazepam	Nordiazepam-D5	7.753	428051	47064	9.0950	247.8255

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

b1 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	7.809	679267	104766	6.4837	259.9489



# ISP FORENSICS - Cd'A Instrument # 62340

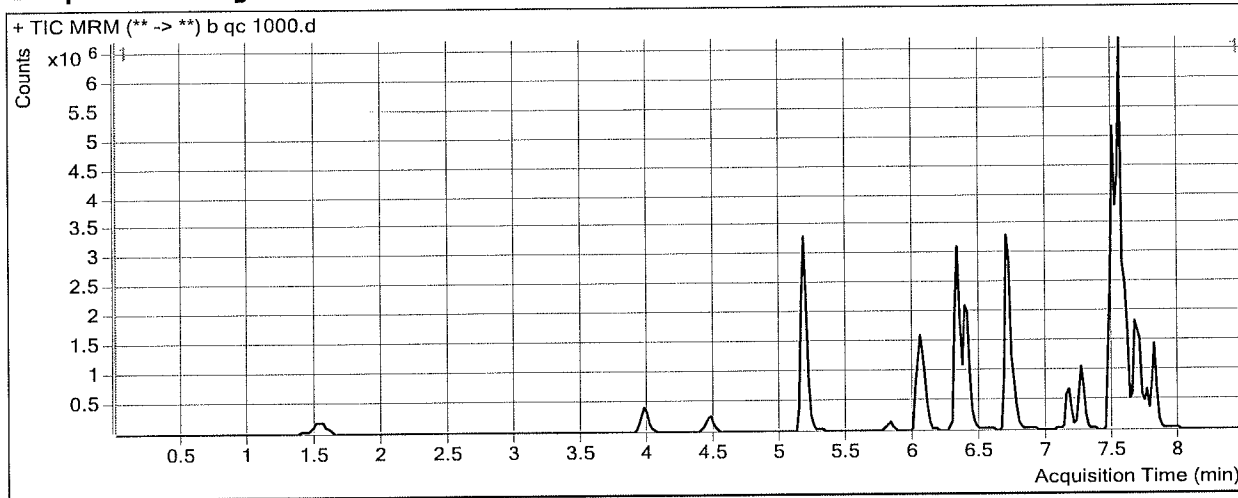
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	D:\2018 Data\07182018 mdq\QuantResults\mdq p1b.batch.bin	<b>Analyst Name</b>	ISP Tox
<b>Analysis Time</b>	7/19/2018 8:07 AM	<b>Reporter Name</b>	ISP Tox
<b>Report Time</b>	7/19/2018 8:24 AM	<b>Batch State</b>	Processed
<b>Last Calib Update</b>	7/19/2018 8:07 AM		

### Analysis Info

<b>Acq Time</b>	2018-07-18 19:42	<b>Data File</b>	b qc 1000.d
<b>Sample Type</b>	QC	<b>Sample Name</b>	b qc 1000
<b>Dilution</b>	1	<b>Acq Method</b>	b1 mdq 618.m
<b>Position</b>	P2-D2	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	AM 28 Panel 1

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.528	1019536	45581	22.3675	935.3650
Dihydrocodeine	Dihydrocodeine-D6	3.970	1062062	63373	16.7588	923.7120
Noroxycodone	Noroxycodone-D3	4.477	785758	26271	29.9102	1025.7998
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.179	10437134	491703	21.2265	1045.3835
Benzoylcegonine	Benzoylcegonine-d8	5.808	170579	5121	33.3089	<del>2479.1069</del> *
Ketamine	Ketamine-D4	6.041	3558744	154458	23.0402	931.0934
Norfentanyl	Norfentanyl-D5	6.084	712101	295536	2.4095	103.7665
Cocaine	Cocaine-d3	6.309	6828840	388950	17.5571	930.3910
alpha-PVP	alpha-PVP-d8	6.405	4818353	234000	20.5912	901.5839
Mirtazapine	alpha-PVP-d8	6.700	6250353	234000	26.7109	925.9211
Norbuprenorphine	Norbuprenorphine-D3	7.072	28925	12762	2.2666	108.1078
Fentanyl	Fentanyl-D5	7.158	1009120	448790	2.2485	93.5067
Mitragynine	EDDP-D3	7.234	1159399	31746	36.5206	<del>605.5784</del> *
EDDP	EDDP-D3	7.246	734702	31746	23.1428	962.9729
Quetiapine	Quetiapine-D8	7.477	8312061	118801	69.9663	996.9361
Cyclobenzaprine	Cyclobenzaprine-D3	7.509	2424555	116288	20.8496	978.8386
Methadone	Methadone-D9	7.540	6920432	371937	18.6065	1017.6000
Buprenorphine	Buprenorphine-D4	7.735	195703	85775	2.2816	89.4919
Fluoxetine	Fluoxetine-D6	7.581	3866338	195638	19.7627	968.7853
Sertraline	Sertraline-D3	7.643	415539	19444	21.3708	979.3768
Temazepam	Temazepam-D5	7.665	3133421	142045	22.0594	903.3534
Oxazepam	Oxazepam-D5	7.606	461562	22013	20.9674	963.5967
Nordiazepam	Nordiazepam-D5	7.753	919030	26845	34.2353	928.1563

\* outside curve range

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

61 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	7.809	2061867	83286	24.7565	991.7892



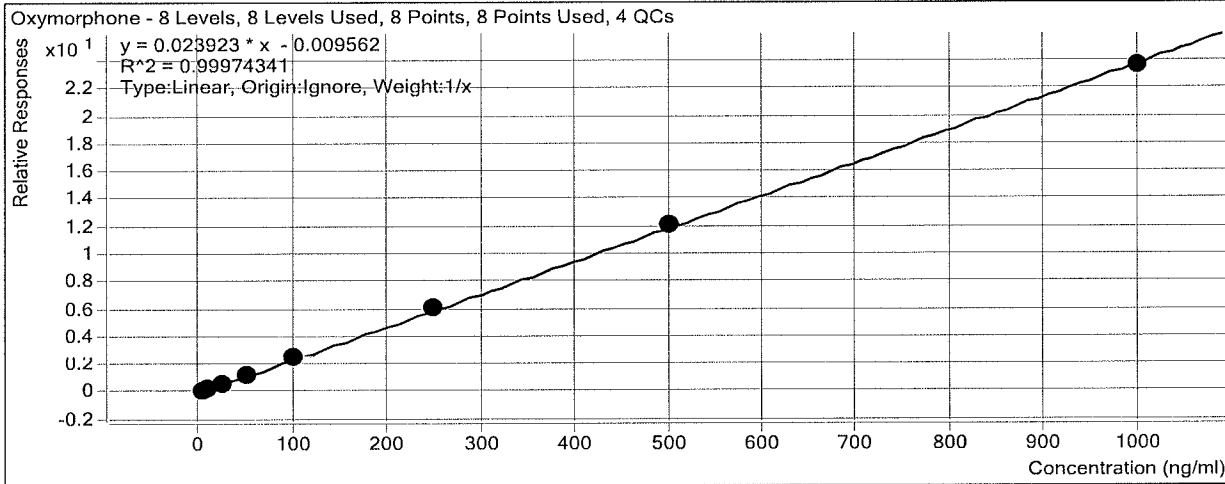
# ISP Forensics Calibration Curve Report

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

D:\2018 Data\07182018 mdq\QuantResults\mdq p1b.batch.bin  
7/19/2018 8:07 AM

**Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.8
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	95.7
b QC 10	2	<input checked="" type="checkbox"/>	10	9.3	92.8
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.5	97.9
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.2	98.3
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.5	103.5
b qc 100	5	<input checked="" type="checkbox"/>	100	97.2	97.2
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	255.1	102.0
b QC 250	6	<input checked="" type="checkbox"/>	250	248.7	99.5
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	504.7	100.9
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	988.3	98.8
b qc 1000	8	<input checked="" type="checkbox"/>	1000	935.4	93.5

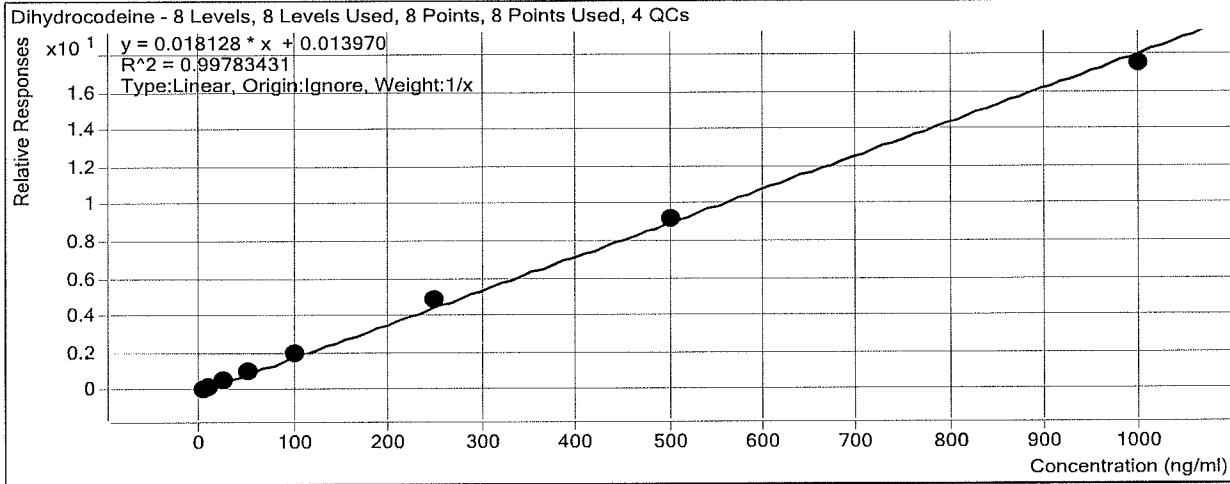
# ISP Forensics Calibration Curve Report

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

D:\2018 Data\07182018 mdq\QuantResults\mdq p1b.batch.bin  
7/19/2018 8:07 AM

**Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.2	83.3
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.5	94.8
b QC 10	2	<input checked="" type="checkbox"/>	10	10.3	102.5
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.7	102.8
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.3	104.5
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	109.7	109.7
b qc 100	5	<input checked="" type="checkbox"/>	100	112.0	112.0
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	267.4	106.9
b QC 250	6	<input checked="" type="checkbox"/>	250	263.8	105.5
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	507.3	101.5
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	964.0	96.4
b qc 1000	8	<input checked="" type="checkbox"/>	1000	923.7	92.4

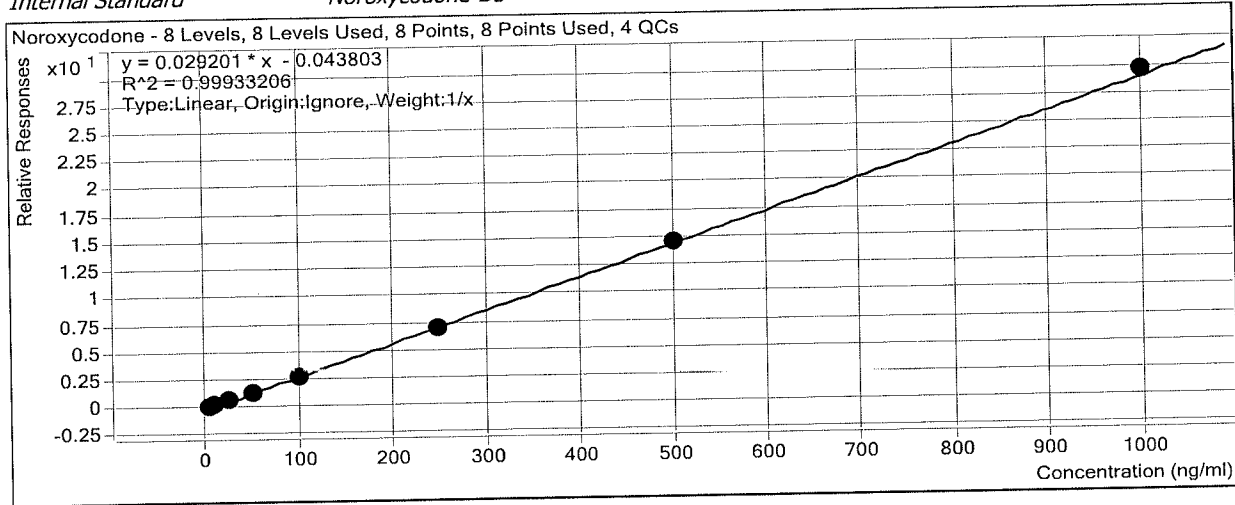
# ISP Forensics Calibration Curve Report

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

D:\2018 Data\07182018 mdq\QuantResults\mdq p1b.batch.bin  
7/19/2018 8:07 AM

**Analyst Name**      ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.9	117.9
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	99.8
b QC 10	2	<input checked="" type="checkbox"/>	10	10.7	107.1
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.8	95.1
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.1	94.1
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	94.5	94.5
b qc 100	5	<input checked="" type="checkbox"/>	100	96.8	96.8
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	242.3	96.9
b QC 250	6	<input checked="" type="checkbox"/>	250	249.7	99.9
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	500.5	100.1
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1015.9	101.6
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1025.8	102.6

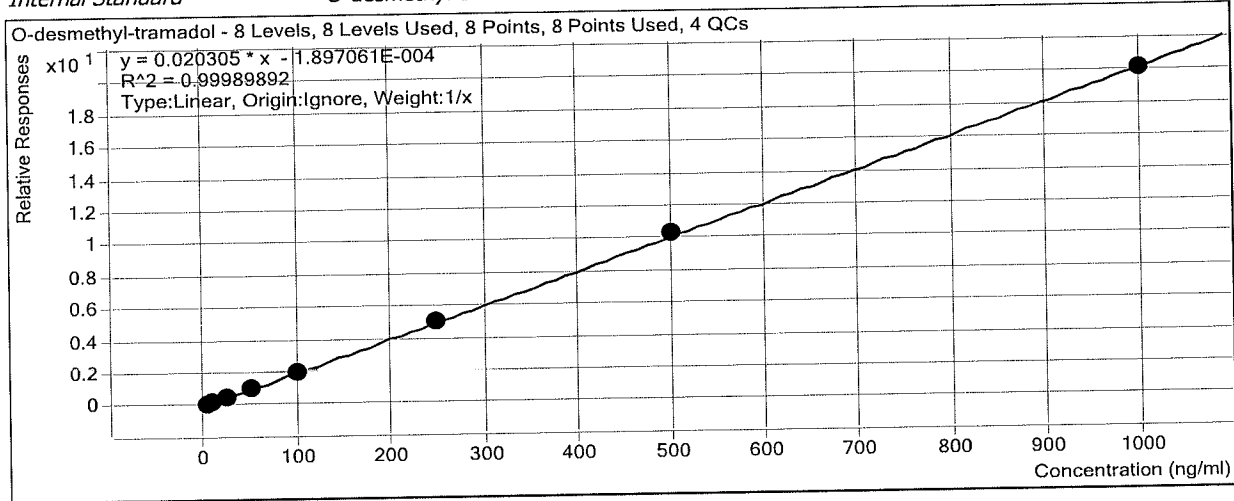
# ISP Forensics Calibration Curve Report

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

D:\2018 Data\07182018 mdq\QuantResults\mdq p1b.batch.bin  
7/19/2018 8:07 AM

**Analyst Name**      ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	99.6
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	99.3
b QC 10	2	<input checked="" type="checkbox"/>	10	10.2	101.9
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.0	99.8
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.1	100.1
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.6	100.6
b qc 100	5	<input checked="" type="checkbox"/>	100	105.4	105.4
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	249.8	99.9
b QC 250	6	<input checked="" type="checkbox"/>	250	266.4	106.6
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	507.6	101.5
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	992.2	99.2
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1045.4	104.5



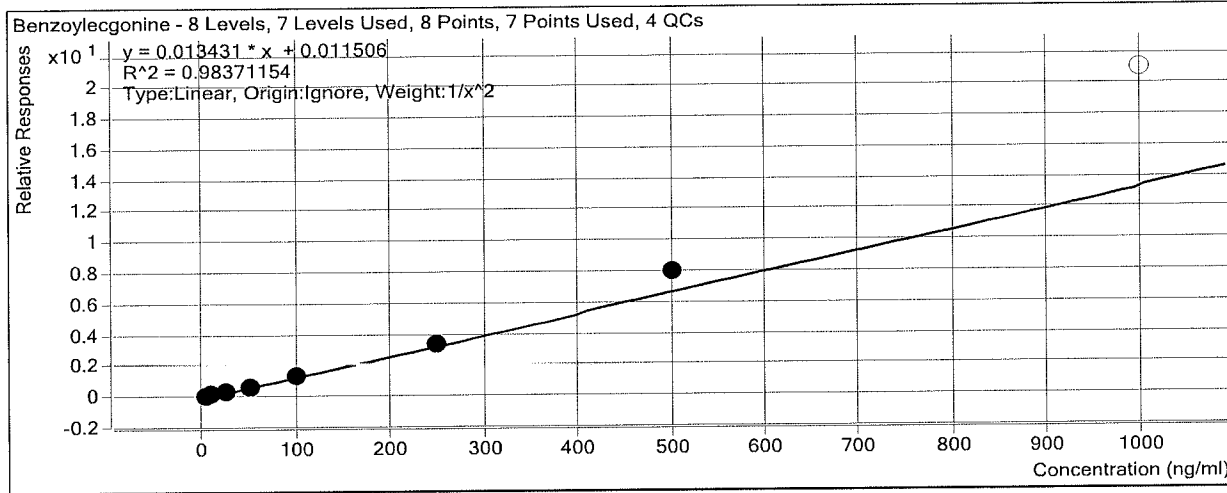
# ISP Forensics Calibration Curve Report

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

D:\2018 Data\07182018 mdq\QuantResults\mdq p1b.batch.bin  
7/19/2018 8:07 AM

**Analyst Name**                      ISP TOX

**Target Compound**                      *Benzoylecgonine*  
**Internal Standard**                      *Benzoylecgonine-d8*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.5	109.0
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	8.6	86.3
b QC 10	2	<input checked="" type="checkbox"/>	10	9.6	95.8
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.3	89.4
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.8	97.6
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.1	100.1
b qc 100	5	<input checked="" type="checkbox"/>	100	108.4	108.4
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	249.1	99.7
b QC 250	6	<input checked="" type="checkbox"/>	250	309.4	123.8
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	589.8	118.0
b cal 8-1000ng	8	<input type="checkbox"/>	1000	1563.2	156.3
b qc 1000	8	<input type="checkbox"/>	1000	2479.1	247.9

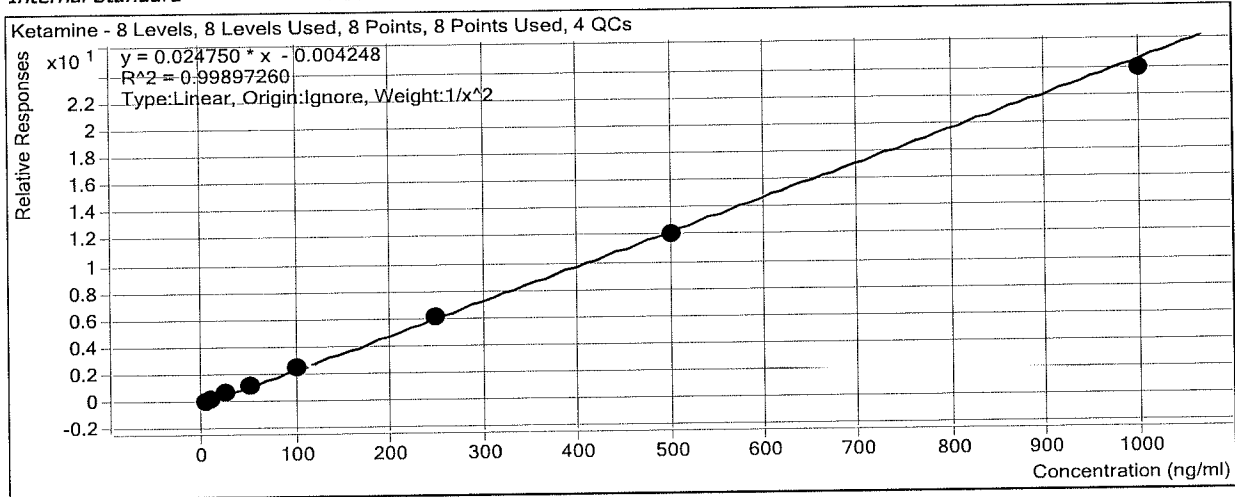
# ISP Forensics Calibration Curve Report

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

D:\2018 Data\07182018 mdq\QuantResults\mdq p1b.batch.bin  
7/19/2018 8:07 AM

**Analyst Name**      ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.5
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	97.1
b QC 10	2	<input checked="" type="checkbox"/>	10	9.9	99.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.5	102.2
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.1	104.2
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.1	102.1
b qc 100	5	<input checked="" type="checkbox"/>	100	105.3	105.3
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	249.9	99.9
b QC 250	6	<input checked="" type="checkbox"/>	250	264.7	105.9
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	487.7	97.5
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	964.4	96.4
b qc 1000	8	<input checked="" type="checkbox"/>	1000	931.1	93.1

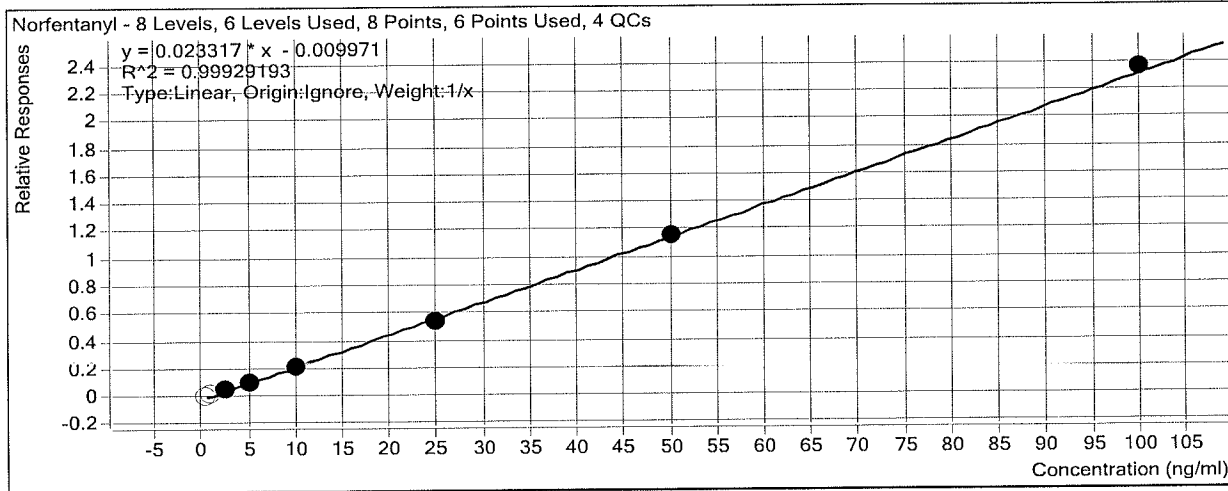
# ISP Forensics Calibration Curve Report

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

D:\2018 Data\07182018 mdq\QuantResults\mdq p1b.batch.bin  
7/19/2018 8:07 AM

**Analyst Name**                      ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input type="checkbox"/>	0.5	0.8	168.4
b cal 2-10ng	2	<input type="checkbox"/>	1	1.3	128.8
b QC 10	2	<input type="checkbox"/>	1	1.2	123.6
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.7	108.8
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.9	97.0
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.8	97.5
b qc 100	5	<input checked="" type="checkbox"/>	10	9.7	96.9
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	23.8	95.4
b QC 250	6	<input checked="" type="checkbox"/>	25	24.2	96.8
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	49.9	99.9
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	101.4	101.4
b qc 1000	8	<input checked="" type="checkbox"/>	100	103.8	103.8

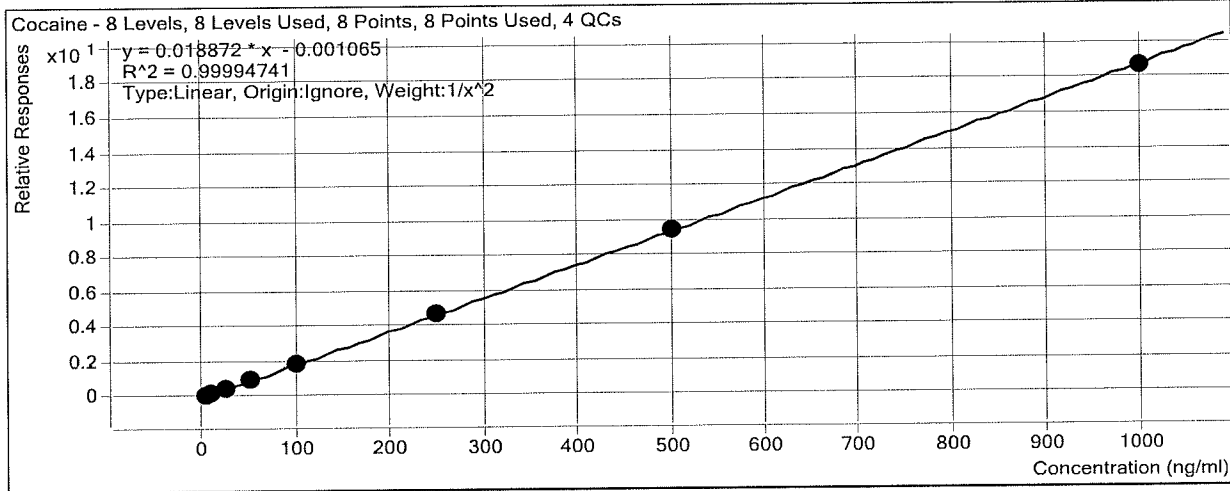
# ISP Forensics Calibration Curve Report

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

D:\2018 Data\07182018 mdq\QuantResults\mdq p1b.batch.bin  
7/19/2018 8:07 AM

**Analyst Name**      ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	99.9
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	99.8
b QC 10	2	<input checked="" type="checkbox"/>	10	10.1	100.9
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.2	100.7
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.2	100.5
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.6	100.6
b qc 100	5	<input checked="" type="checkbox"/>	100	96.6	96.6
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	250.3	100.1
b QC 250	6	<input checked="" type="checkbox"/>	250	244.5	97.8
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	497.7	99.5
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	988.1	98.8
b qc 1000	8	<input checked="" type="checkbox"/>	1000	930.4	93.0

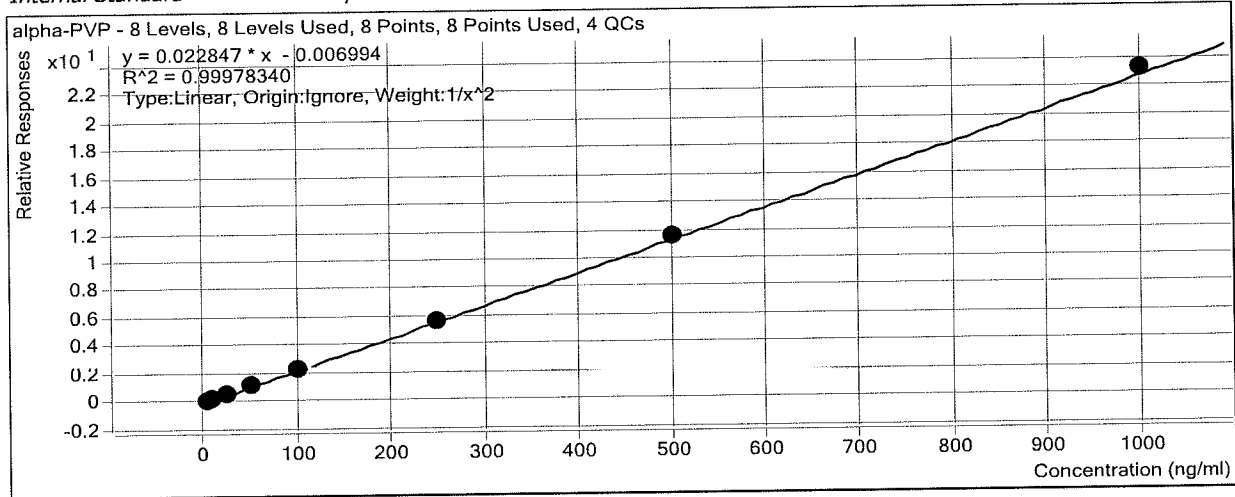
# ISP Forensics Calibration Curve Report

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

D:\2018 Data\07182018 mdq\QuantResults\mdq p1b.batch.bin  
7/19/2018 8:07 AM

**Analyst Name**      ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.8
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	98.9
b QC 10	2	<input checked="" type="checkbox"/>	10	9.6	95.8
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.7	99.0
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.7	99.3
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.7	100.7
b qc 100	5	<input checked="" type="checkbox"/>	100	97.1	97.1
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	245.7	98.3
b QC 250	6	<input checked="" type="checkbox"/>	250	236.1	94.4
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	505.8	101.2
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1018.2	101.8
b qc 1000	8	<input checked="" type="checkbox"/>	1000	901.6	90.2

# ISP Forensics Calibration Curve Report

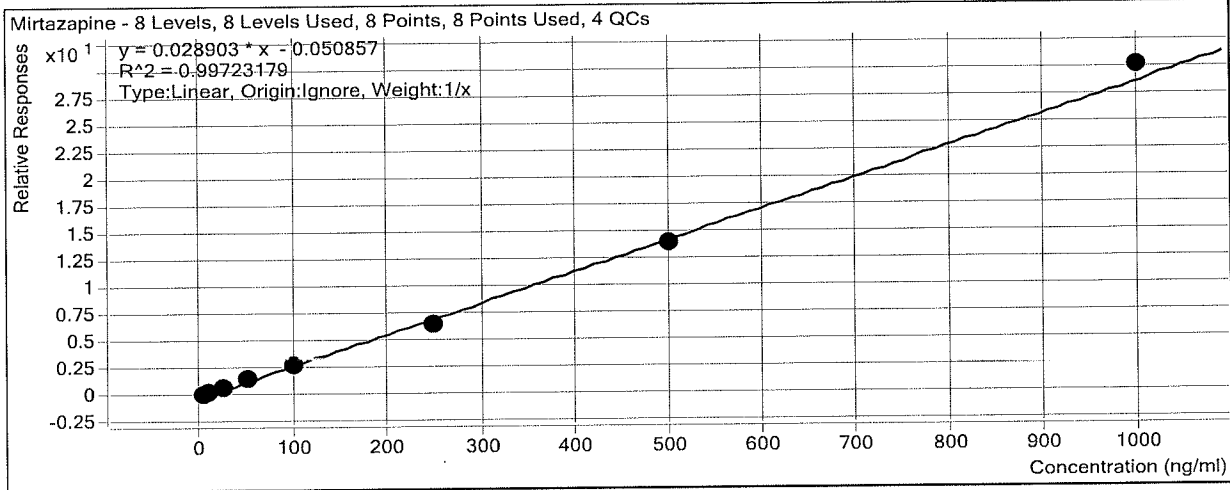
**Batch Data Path**  
**Last Calib Update**

D:\2018 Data\07182018 mdq\QuantResults\mdq p1b.batch.bin  
7/19/2018 8:07 AM

**Analyst Name**

ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.8	115.2
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	100.6
b QC 10	2	<input checked="" type="checkbox"/>	10	11.2	111.6
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.4	97.6
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.1	100.2
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	94.0	94.0
b qc 100	5	<input checked="" type="checkbox"/>	100	99.0	99.0
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	228.7	91.5
b QC 250	6	<input checked="" type="checkbox"/>	250	248.2	99.3
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	482.4	96.5
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1044.6	104.5
b qc 1000	8	<input checked="" type="checkbox"/>	1000	925.9	92.6

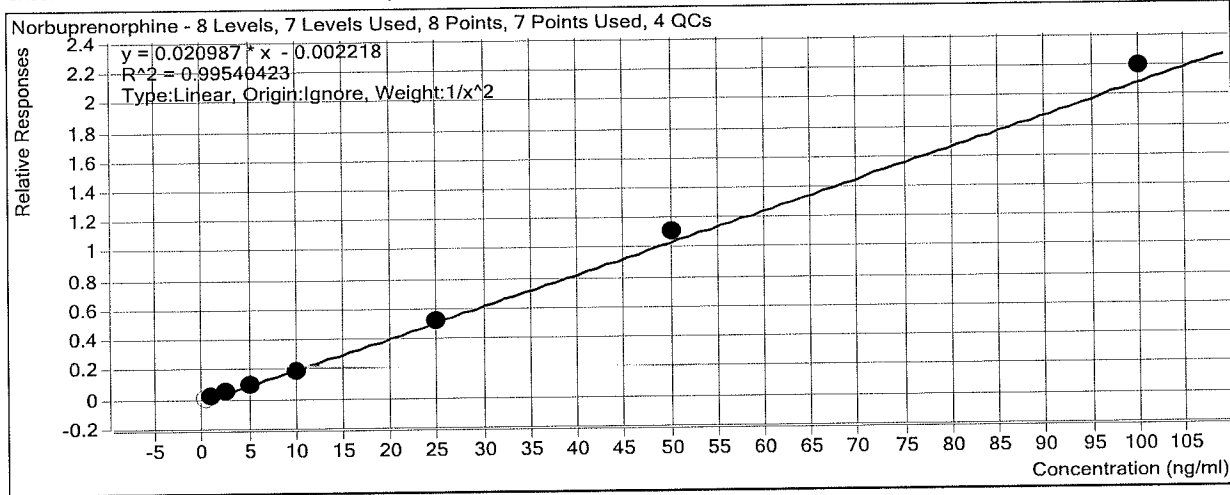
# ISP Forensics Calibration Curve Report

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

D:\2018 Data\07182018 mdq\QuantResults\mdq p1b.batch.bin  
7/19/2018 8:07 AM

**Analyst Name**      ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input type="checkbox"/>	0.5	0.8	154.9
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.0	100.8
b QC 10	2	<input type="checkbox"/>	1	1.4	144.4
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.5	99.9
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	5.1	101.5
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	8.8	87.9
b qc 100	5	<input checked="" type="checkbox"/>	10	10.4	104.3
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	24.9	99.6
b QC 250	6	<input checked="" type="checkbox"/>	25	26.4	105.7
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	52.8	105.6
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	104.7	104.7
b qc 1000	8	<input checked="" type="checkbox"/>	100	108.1	108.1

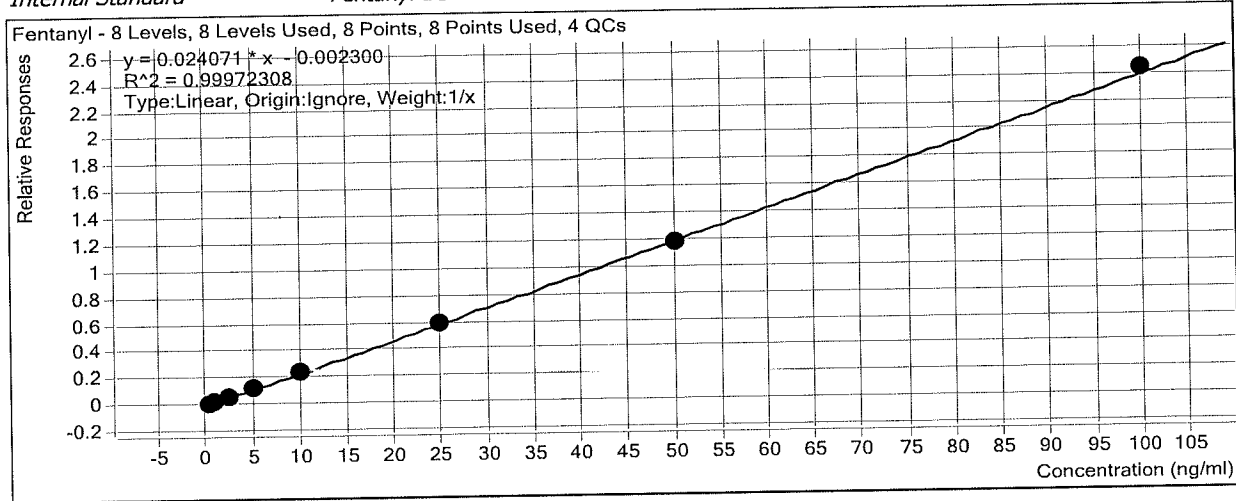
# ISP Forensics Calibration Curve Report

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

D:\2018 Data\07182018 mdq\QuantResults\mdq p1b.batch.bin  
7/19/2018 8:07 AM

**Analyst Name**      ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	0.5	0.5	105.7
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.0	103.7
b QC 10	2	<input checked="" type="checkbox"/>	1	1.0	98.8
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.4	97.7
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.8	96.3
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.8	97.9
b qc 100	5	<input checked="" type="checkbox"/>	10	9.3	92.9
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	24.7	98.7
b QC 250	6	<input checked="" type="checkbox"/>	25	23.6	94.4
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	49.3	98.6
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	101.4	101.4
b qc 1000	8	<input checked="" type="checkbox"/>	100	93.5	93.5



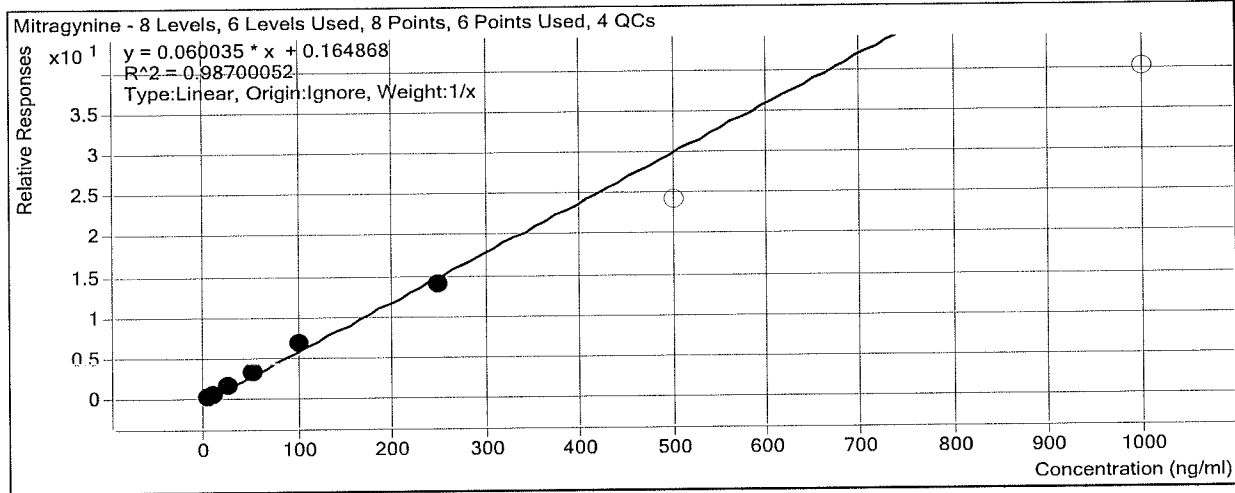
# ISP Forensics Calibration Curve Report

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

D:\2018 Data\07182018 mdq\QuantResults\mdq p1b.batch.bin  
7/19/2018 8:07 AM

**Analyst Name**      ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.2
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	8.1	81.4
b QC 10	2	<input checked="" type="checkbox"/>	10	13.3	133.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.4	97.6
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	55.5	111.0
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	115.0	115.0
b qc 100	5	<input checked="" type="checkbox"/>	100	110.8	110.8
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	231.9	92.7
b QC 250	6	<input checked="" type="checkbox"/>	250	244.5	97.8
b cal 7-500ng	7	<input type="checkbox"/>	500	401.6	80.3
b cal 8-1000ng	8	<input type="checkbox"/>	1000	664.5	66.4
b qc 1000	8	<input type="checkbox"/>	1000	605.6	60.6

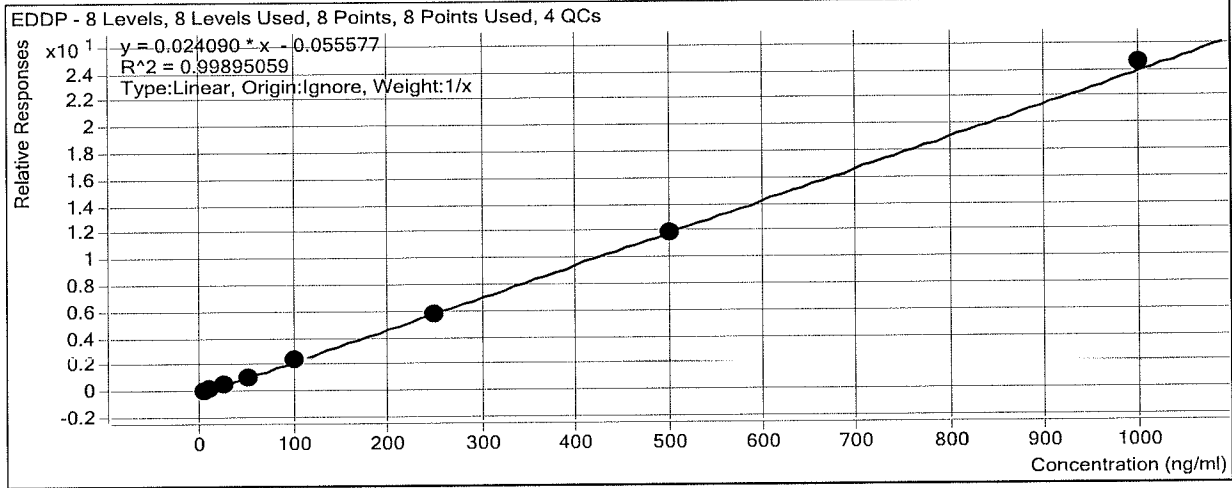
# ISP Forensics Calibration Curve Report

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

D:\2018 Data\07182018 mdq\QuantResults\mdq p1b.batch.bin  
7/19/2018 8:07 AM

**Analyst Name**      ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	6.1	122.4
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	98.6
b QC 10	2	<input checked="" type="checkbox"/>	10	11.1	110.7
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.5	94.0
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	44.0	88.1
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.2	99.2
b qc 100	5	<input checked="" type="checkbox"/>	100	93.2	93.2
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	241.7	96.7
b QC 250	6	<input checked="" type="checkbox"/>	250	243.8	97.5
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	494.2	98.8
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1021.4	102.1
b qc 1000	8	<input checked="" type="checkbox"/>	1000	963.0	96.3

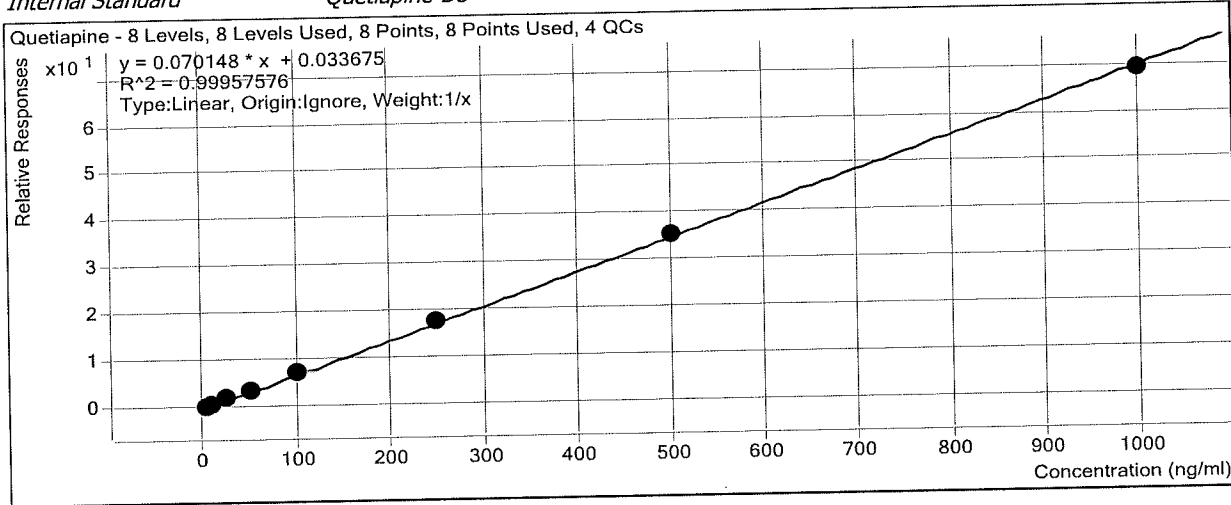
# ISP Forensics Calibration Curve Report

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

D:\2018 Data\07182018 mdq\QuantResults\mdq p1b.batch.bin  
7/19/2018 8:07 AM

**Analyst Name**      ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.5	90.1
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	96.7
b QC 10	2	<input checked="" type="checkbox"/>	10	9.8	98.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.8	103.2
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.2	104.4
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	104.1	104.1
b qc 100	5	<input checked="" type="checkbox"/>	100	106.5	106.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	256.0	102.4
b QC 250	6	<input checked="" type="checkbox"/>	250	269.6	107.8
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	503.0	100.6
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	984.7	98.5
b qc 1000	8	<input checked="" type="checkbox"/>	1000	996.9	99.7

# ISP Forensics Calibration Curve Report

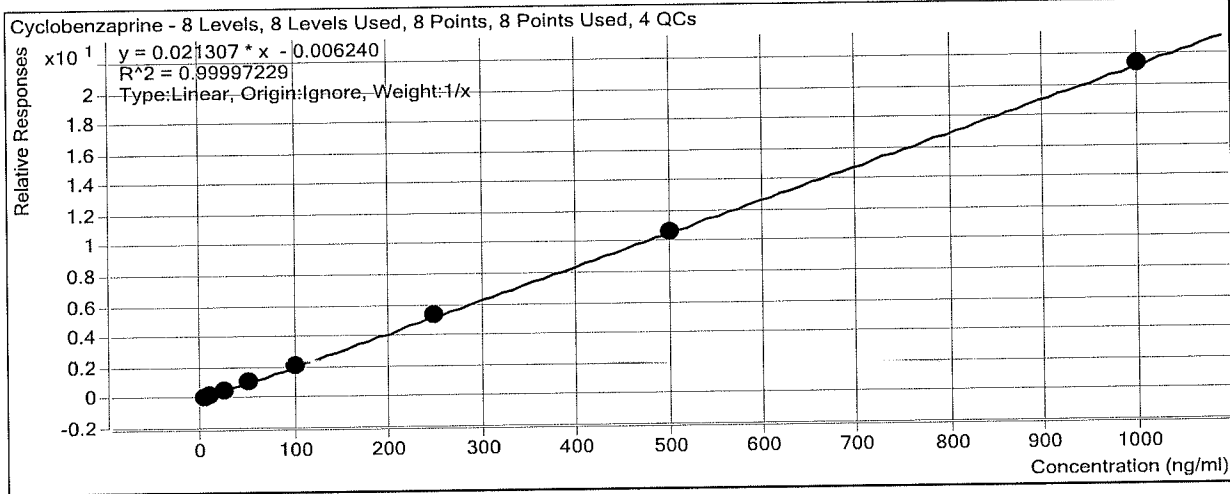
**Batch Data Path**  
**Last Calib Update**

D:\2018 Data\07182018 mdq\QuantResults\mdq p1b.batch.bin  
7/19/2018 8:07 AM

**Analyst Name**

ISP TOX

**Target Compound**      *Cyclobenzaprine*  
**Internal Standard**      *Cyclobenzaprine-D3*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.9	99.0
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	99.3
b QC 10	2	<input checked="" type="checkbox"/>	10	10.5	104.5
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.5	102.1
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.5	98.9
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.3	101.3
b qc 100	5	<input checked="" type="checkbox"/>	100	95.2	95.2
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	249.0	99.6
b QC 250	6	<input checked="" type="checkbox"/>	250	251.1	100.4
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	498.0	99.6
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1001.8	100.2
b qc 1000	8	<input checked="" type="checkbox"/>	1000	978.8	97.9

# ISP Forensics Calibration Curve Report

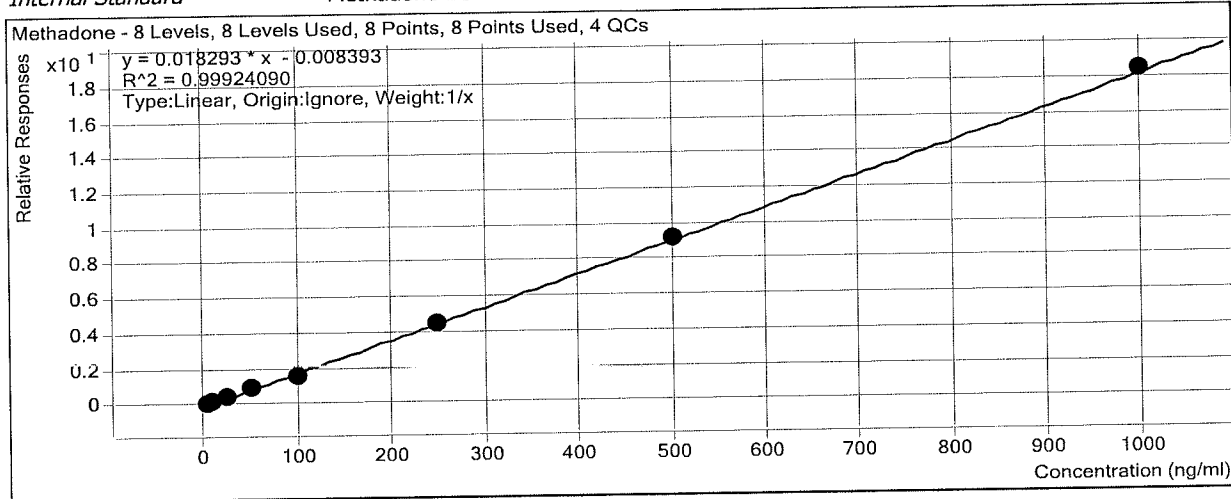
**Batch Data Path**  
**Last Calib Update**

D:\2018 Data\07182018 mdq\QuantResults\mdq p1b.batch.bin  
7/19/2018 8:07 AM

**Analyst Name**

ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.3	106.1
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	100.7
b QC 10	2	<input checked="" type="checkbox"/>	10	10.3	103.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.6	102.2
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.7	101.3
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	89.0	89.0
b qc 100	5	<input checked="" type="checkbox"/>	100	103.3	103.3
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	248.2	99.3
b QC 250	6	<input checked="" type="checkbox"/>	250	256.9	102.7
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	502.1	100.4
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1009.0	100.9
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1017.6	101.8

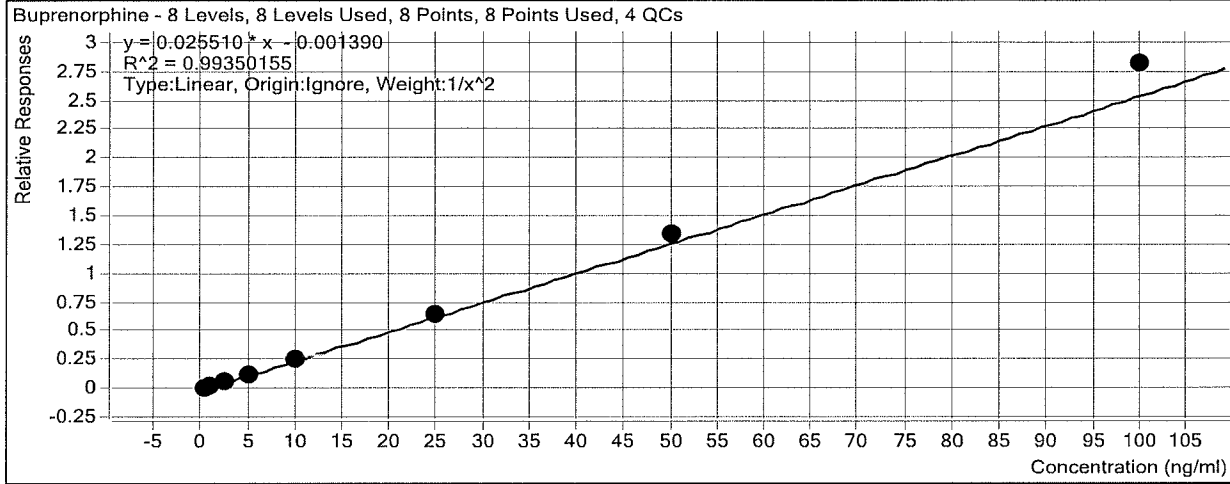
# ISP Forensics Calibration Curve Report

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

D:\2018 Data\07182018 mdq\QuantResults\mdq p1b.batch.bin  
7/19/2018 8:07 AM

**Analyst Name**      ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	0.5	0.5	105.1
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	0.9	94.3
b QC 10	2	<input checked="" type="checkbox"/>	1	1.0	98.3
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.3	93.1
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.5	90.6
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.9	99.0
b qc 100	5	<input checked="" type="checkbox"/>	10	9.3	92.9
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	25.3	101.2
b QC 250	6	<input checked="" type="checkbox"/>	25	22.2	89.0
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	53.2	106.3
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	110.4	110.4
b qc 1000	8	<input checked="" type="checkbox"/>	100	89.5	89.5

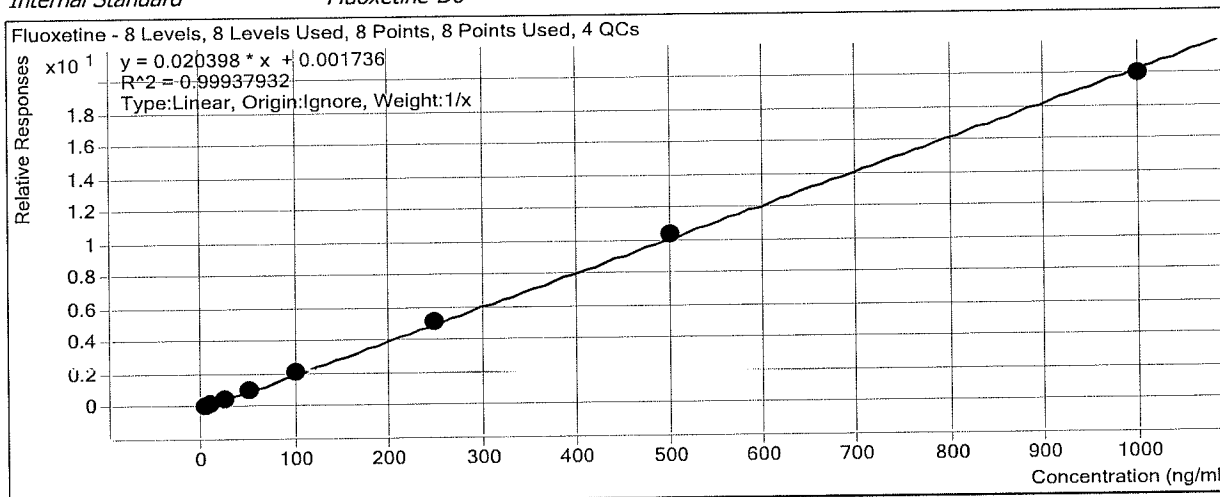
# ISP Forensics Calibration Curve Report

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

D:\2018 Data\07182018 mdq\QuantResults\mdq p1b.batch.bin  
7/19/2018 8:07 AM

**Analyst Name**      ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.8	95.5
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.3	93.4
b QC 10	2	<input checked="" type="checkbox"/>	10	10.1	100.5
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.1	100.3
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.4	102.8
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	106.5	106.5
b qc 100	5	<input checked="" type="checkbox"/>	100	104.6	104.6
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	254.9	102.0
b QC 250	6	<input checked="" type="checkbox"/>	250	253.6	101.4
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	507.3	101.5
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	980.6	98.1
b qc 1000	8	<input checked="" type="checkbox"/>	1000	968.8	96.9

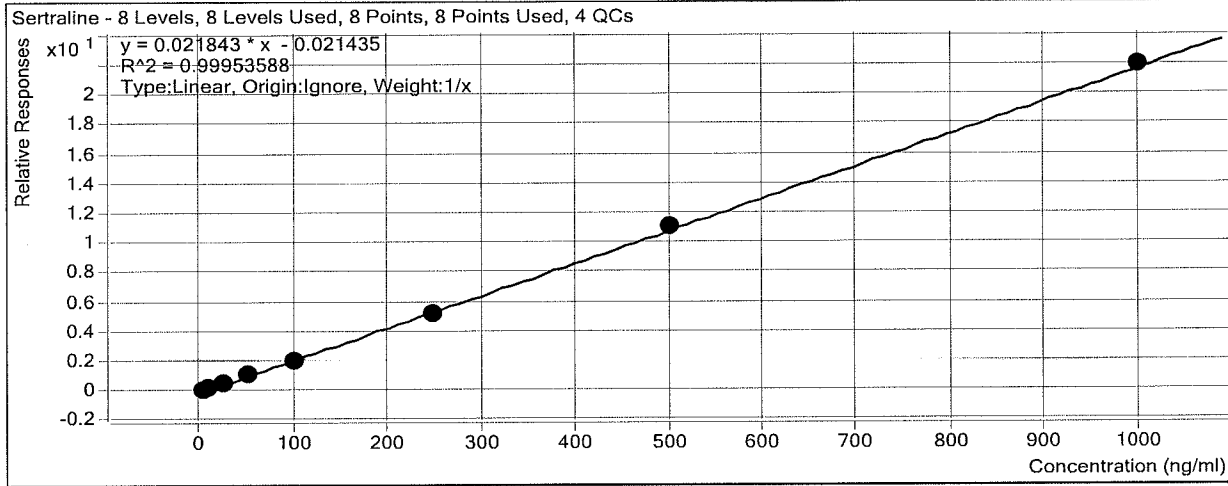
# ISP Forensics Calibration Curve Report

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

D:\2018 Data\07182018 mdq\QuantResults\mdq p1b.batch.bin  
7/19/2018 8:07 AM

**Analyst Name**      ISP TOX

**Target Compound**      *Sertraline*  
**Internal Standard**      *Sertraline-D3*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.6	113.0
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.4	93.7
b QC 10	2	<input checked="" type="checkbox"/>	10	10.4	104.5
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.0	100.0
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.8	99.5
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	95.0	95.0
b qc 100	5	<input checked="" type="checkbox"/>	100	93.9	93.9
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	241.5	96.6
b QC 250	6	<input checked="" type="checkbox"/>	250	243.0	97.2
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	507.8	101.6
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1005.9	100.6
b qc 1000	8	<input checked="" type="checkbox"/>	1000	979.4	97.9



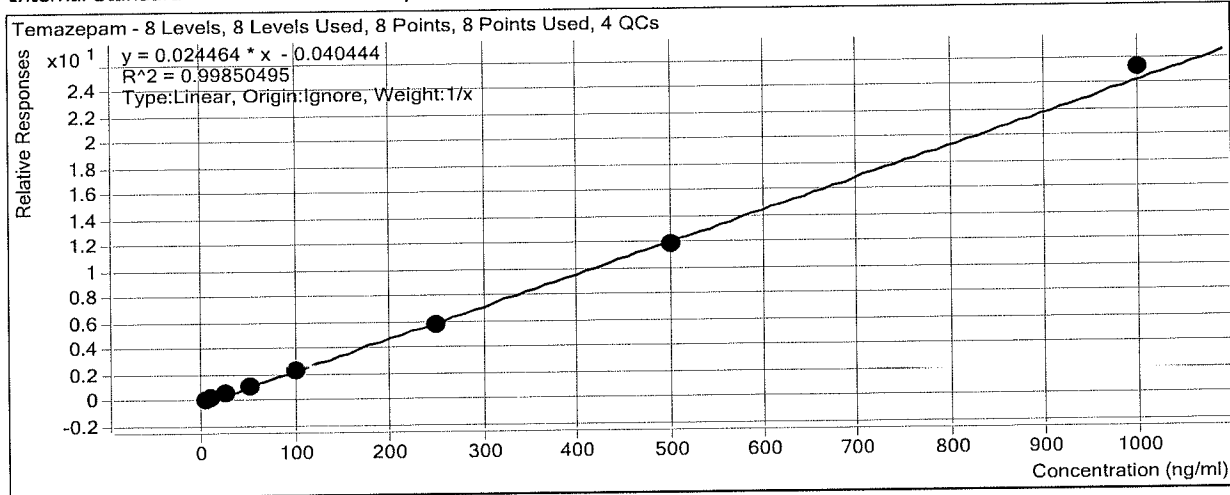
# ISP Forensics Calibration Curve Report

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

D:\2018 Data\07182018 mdq\QuantResults\mdq p1b.batch.bin  
7/19/2018 8:07 AM

**Analyst Name**      ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.8	116.9
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	101.1
b QC 10	2	<input checked="" type="checkbox"/>	10	9.9	98.8
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.5	98.2
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	45.4	90.8
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.6	97.6
b qc 100	5	<input checked="" type="checkbox"/>	100	88.3	88.3
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	237.1	94.8
b QC 250	6	<input checked="" type="checkbox"/>	250	235.9	94.4
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	487.4	97.5
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1032.1	103.2
b qc 1000	8	<input checked="" type="checkbox"/>	1000	903.4	90.3

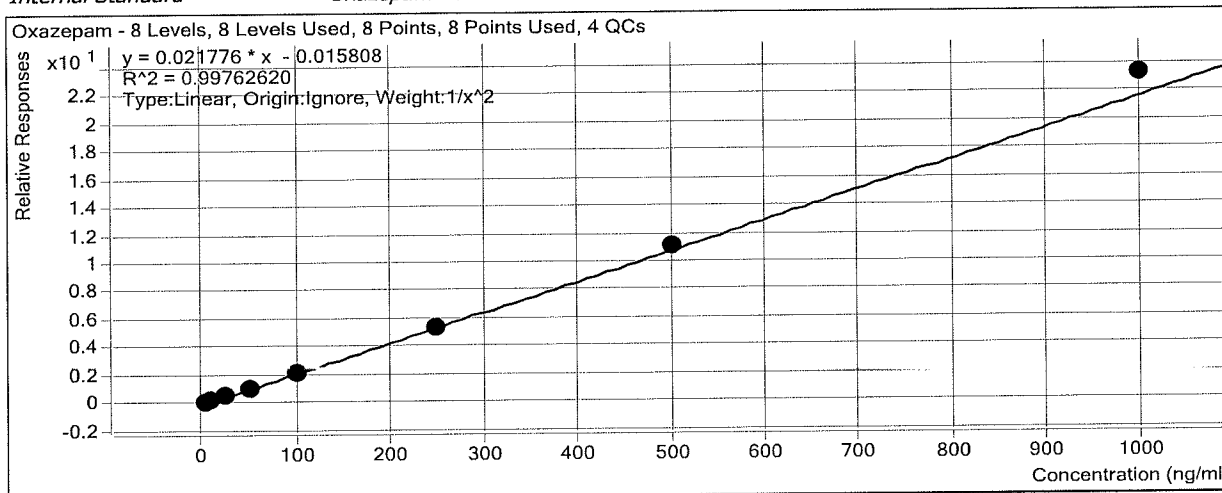
# ISP Forensics Calibration Curve Report

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

D:\2018 Data\07182018 mdq\QuantResults\mdq p1b.batch.bin  
7/19/2018 8:07 AM

**Analyst Name**      ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.7
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	95.6
b QC 10	2	<input checked="" type="checkbox"/>	10	10.1	100.6
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.1	100.2
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.0	93.9
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.1	100.1
b qc 100	5	<input checked="" type="checkbox"/>	100	99.3	99.3
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	244.1	97.6
b QC 250	6	<input checked="" type="checkbox"/>	250	265.9	106.3
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	514.3	102.9
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1069.4	106.9
b qc 1000	8	<input checked="" type="checkbox"/>	1000	963.6	96.4

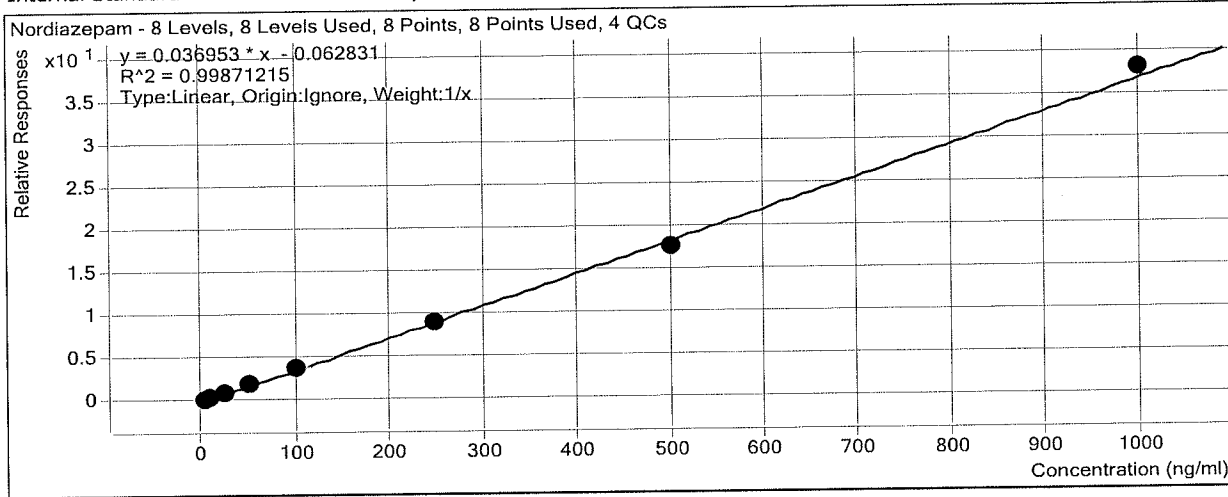
# ISP Forensics Calibration Curve Report

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

D:\2018 Data\07182018 mdq\QuantResults\mdq p1b.batch.bin  
7/19/2018 8:07 AM

**Analyst Name**      ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.4	108.5
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.0	90.1
b QC 10	2	<input checked="" type="checkbox"/>	10	11.4	114.2
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.2	104.7
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.9	101.8
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.6	98.6
b qc 100	5	<input checked="" type="checkbox"/>	100	104.3	104.3
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	245.6	98.2
b QC 250	6	<input checked="" type="checkbox"/>	250	247.8	99.1
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	475.8	95.2
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1028.5	102.8
b qc 1000	8	<input checked="" type="checkbox"/>	1000	928.2	92.8

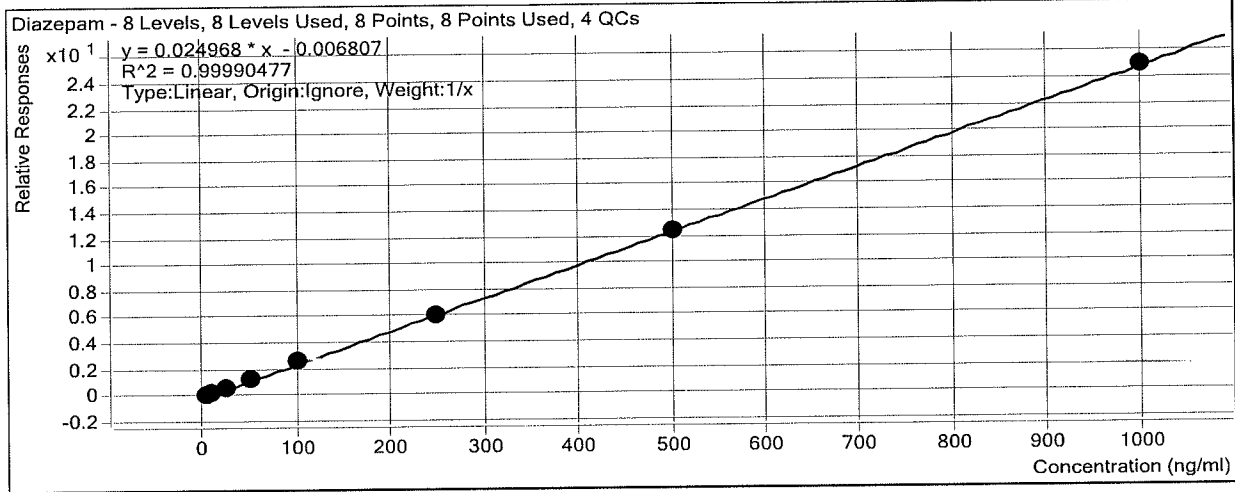
# ISP Forensics Calibration Curve Report

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

D:\2018 Data\07182018 mdq\QuantResults\mdq p1b.batch.bin  
7/20/2018 12:28 PM

**Analyst Name**      ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	103.4
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	95.6
b QC 10	2	<input checked="" type="checkbox"/>	10	10.1	100.7
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.9	99.4
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.8	99.5
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.3	103.3
b qc 100	5	<input checked="" type="checkbox"/>	100	101.1	101.1
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	247.1	98.8
b QC 250	6	<input checked="" type="checkbox"/>	250	259.9	104.0
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	499.8	100.0
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1000.6	100.1
b qc 1000	8	<input checked="" type="checkbox"/>	1000	991.8	99.2

# ISP FORENSICS - Cd'A Instrument # 62340

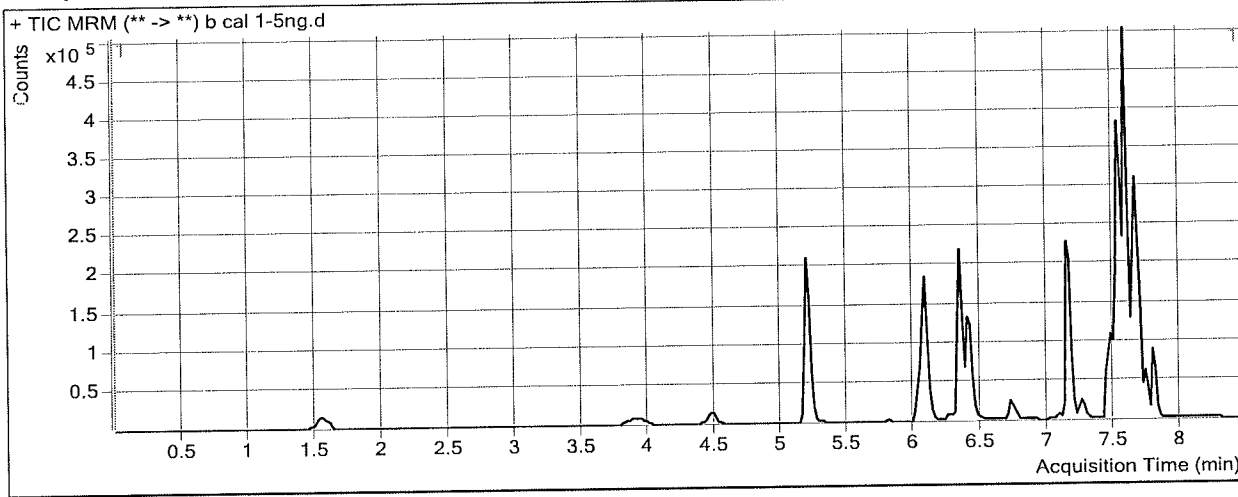
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	D:\2018 Data\07182018 mdq\QuantResults\mdq p1b.batch.bin		
<b>Analysis Time</b>	7/19/2018 8:07 AM	<b>Analyst Name</b>	ISP Tox
<b>Report Time</b>	7/19/2018 8:24 AM	<b>Reporter Name</b>	ISP Tox
<b>Last Calib Update</b>	7/19/2018 8:07 AM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2018-07-18 11:00	<b>Data File</b>	b cal 1-5ng.d
<b>Sample Type</b>	Calibration	<b>Sample Name</b>	b cal 1-5ng
<b>Dilution</b>	1	<b>Acq Method</b>	b1 mdq 618.m
<b>Position</b>	P2-A1	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	AM 28 Panel 1

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.548	8644	76221	0.1134	5.1401
Dihydrocodeine	Dihydrocodeine-D6	3.970	6644	74287	0.0894	4.1631
Noroxycodone	Noroxycodone-D3	4.498	7956	62024	0.1283	5.8931
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.199	63925	633325	0.1009	4.9802
Benzoylcegonine	Benzoylcegonine-d8	5.828	423	4988	0.0847	5.4512
Ketamine	Ketamine-D4	6.061	24310	202294	0.1202	5.0270
Norfentanyl	Norfentanyl-D5	6.104	4273	442192	0.0097	0.8421
Cocaine	Cocaine-d3	6.329	52995	568811	0.0932	4.9934
alpha-PVP	alpha-PVP-d8	6.425	38434	355429	0.1081	5.0392
Mirtazapine	alpha-PVP-d8	6.720	41076	355429	0.1156	5.7580
Norbuprenorphine	Norbuprenorphine-D3	7.072	310	22067	0.0140	0.7746
Fentanyl	Fentanyl-D5	7.158	6837	656158	0.0104	0.5284
Mitragynine	EDDP-D3	7.234	14106	29904	0.4717	5.1111
EDDP	EDDP-D3	7.246	2748	29904	0.0919	6.1218
Quetiapine	Quetiapine-D8	7.477	70985	202989	0.3497	4.5051
Cyclobenzaprine	Cyclobenzaprine-D3	7.509	29652	298935	0.0992	4.9483
Methadone	Methadone-D9	7.540	66602	751424	0.0886	5.3041
Buprenorphine	Buprenorphine-D4	7.714	1743	145129	0.0120	0.5253
Fluoxetine	Fluoxetine-D6	7.581	92611	934586	0.0991	4.7730
Sertraline	Sertraline-D3	7.643	23266	228180	0.1020	5.6494
Temazepam	Temazepam-D5	7.665	40830	398201	0.1025	5.8444
Oxazepam	Oxazepam-D5	7.606	17842	185778	0.0960	5.1362
Nordiazepam	Nordiazepam-D5	7.753	12417	90206	0.1376	5.4253

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

MDQ P16  
CAL 1

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Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Diazepam	Diazepam-D5	7.809	20376	166694	0.1222	5.0011

# ISP FORENSICS - Cd'A Instrument # 62340

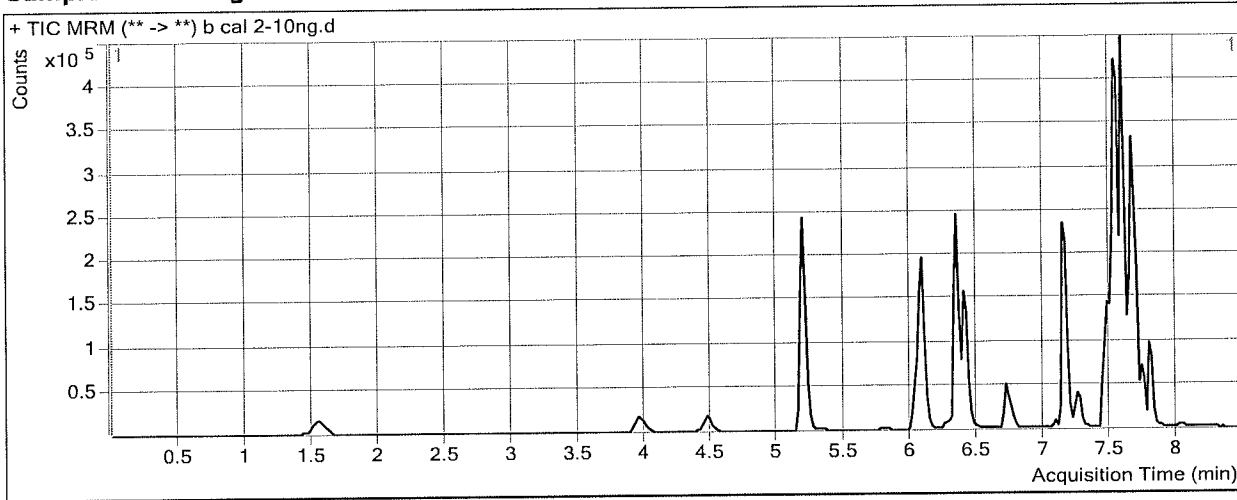
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	D:\2018 Data\07182018 mdq\QuantResults\mdq p1b.batch.bin		
<b>Analysis Time</b>	7/19/2018 8:07 AM	<b>Analyst Name</b>	ISP Tox
<b>Report Time</b>	7/19/2018 8:24 AM	<b>Reporter Name</b>	ISP Tox
<b>Last Calib Update</b>	7/19/2018 8:07 AM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2018-07-18 11:26	<b>Data File</b>	b cal 2-10ng.d
<b>Sample Type</b>	Calibration	<b>Sample Name</b>	b cal 2-10ng
<b>Dilution</b>	1	<b>Acq Method</b>	b1 mdq 618.m
<b>Position</b>	P2-B1	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	AM 28 Panel 1

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.548	17391	79311	0.2193	9.5653
Dihydrocodeine	Dihydrocodeine-D6	4.010	14263	76735	0.1859	9.4825
Noroxycodone	Noroxycodone-D3	4.498	15189	61362	0.2475	9.9771
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.199	130643	648834	0.2013	9.9255
Benzoylcegonine	Benzoylcegonine-d8	5.808	643	5043	0.1275	8.6334
Ketamine	Ketamine-D4	6.061	49479	209626	0.2360	9.7084
Norfentanyl	Norfentanyl-D5	6.104	9146	455972	0.0201	1.2879
Cocaine	Cocaine-d3	6.329	109030	581965	0.1873	9.9839
alpha-PVP	alpha-PVP-d8	6.425	77970	355954	0.2190	9.8938
Mirtazapine	alpha-PVP-d8	6.720	85428	355954	0.2400	10.0632
Norbuprenorphine	Norbuprenorphine-D3	7.072	441	23282	0.0189	1.0080
Fentanyl	Fentanyl-D5	7.158	15267	673471	0.0227	1.0373
Mitragynine	EDDP-D3	7.234	30414	46516	0.6538	8.1446
EDDP	EDDP-D3	7.246	8464	46516	0.1820	9.8602
Quetiapine	Quetiapine-D8	7.477	146761	206156	0.7119	9.6685
Cyclobenzaprine	Cyclobenzaprine-D3	7.509	61833	301131	0.2053	9.9301
Methadone	Methadone-D9	7.540	136257	774958	0.1758	10.0705
Buprenorphine	Buprenorphine-D4	7.714	3519	155184	0.0227	0.9434
Fluoxetine	Fluoxetine-D6	7.581	142266	739925	0.1923	9.3410
Sertraline	Sertraline-D3	7.643	23161	126392	0.1832	9.3708
Temazepam	Temazepam-D5	7.665	87532	423325	0.2068	10.1052
Oxazepam	Oxazepam-D5	7.606	36772	191063	0.1925	9.5642
Nordiazepam	Nordiazepam-D5	7.753	24477	90591	0.2702	9.0120

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

bl cal 2

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Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Diazepam	Diazepam-D5	7.809	39483	170289	0.2319	9.3934





# ISP FORENSICS - Cd'A Instrument # 62340

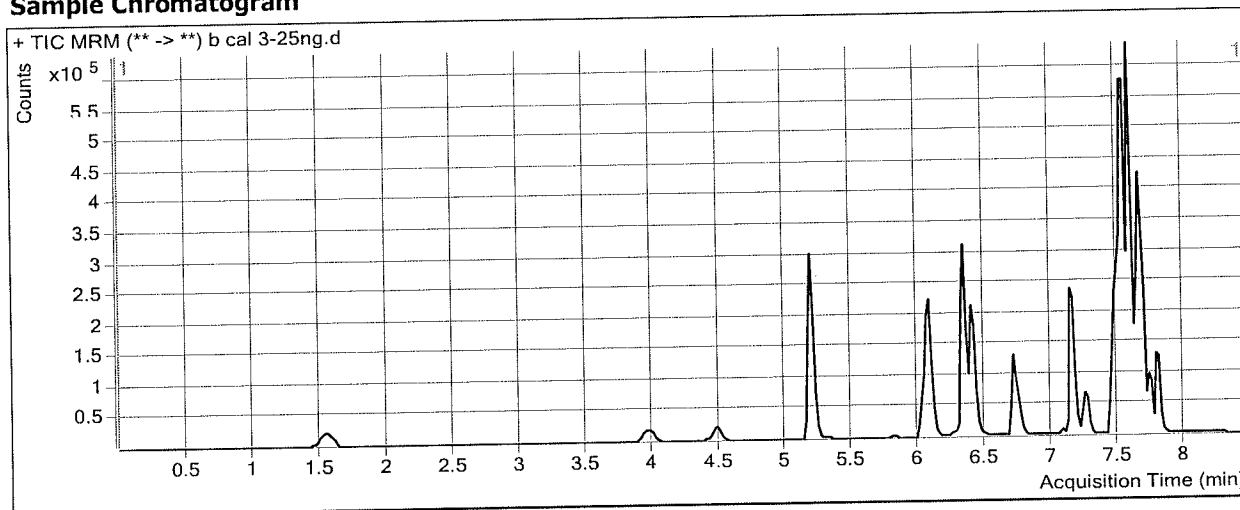
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	D:\2018 Data\07182018 mdq\QuantResults\mdq p1b.batch.bin		
<b>Analysis Time</b>	7/19/2018 8:07 AM	<b>Analyst Name</b>	ISP Tox
<b>Report Time</b>	7/19/2018 8:24 AM	<b>Reporter Name</b>	ISP Tox
<b>Last Calib Update</b>	7/19/2018 8:07 AM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2018-07-18 11:51	<b>Data File</b>	b cal 3-25ng.d
<b>Sample Type</b>	Calibration	<b>Sample Name</b>	b cal 3-25ng
<b>Dilution</b>	1	<b>Acq Method</b>	b1 mdq 618.m
<b>Position</b>	P2-C1	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	AM 28 Panel 1

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.548	44449	77143	0.5762	24.4846
Dihydrocodeine	Dihydrocodeine-D6	4.010	36581	76198	0.4801	25.7124
Noroxycodone	Noroxycodone-D3	4.498	38315	58908	0.6504	23.7742
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.199	326463	644374	0.5066	24.9604
Benzoylcegonine	Benzoylcegonine-d8	5.828	1623	5208	0.3116	22.3436
Ketamine	Ketamine-D4	6.061	129137	205614	0.6281	25.5476
Norfentanyl	Norfentanyl-D5	6.104	25062	468736	0.0535	2.7208
Cocaine	Cocaine-d3	6.329	271958	573592	0.4741	25.1803
alpha-PVP	alpha-PVP-d8	6.405	198333	355318	0.5582	24.7378
Mirtazapine	alpha-PVP-d8	6.720	232526	355318	0.6544	24.4015
Norbuprenorphine	Norbuprenorphine-D3	7.072	1073	21378	0.0502	2.4979
Fentanyl	Fentanyl-D5	7.158	37349	661282	0.0565	2.4419
Mitragynine	EDDP-D3	7.234	73680	45204	1.6300	24.4041
EDDP	EDDP-D3	7.266	23082	45204	0.5106	23.5032
Quetiapine	Quetiapine-D8	7.477	363593	197206	1.8437	25.8034
Cyclobenzaprine	Cyclobenzaprine-D3	7.509	166602	309756	0.5379	25.5362
Methadone	Methadone-D9	7.540	356663	776839	0.4591	25.5571
Buprenorphine	Buprenorphine-D4	7.714	8903	153544	0.0580	2.3273
Fluoxetine	Fluoxetine-D6	7.581	421712	821762	0.5132	25.0736
Sertraline	Sertraline-D3	7.643	82736	157664	0.5248	25.0060
Temazepam	Temazepam-D5	7.665	209881	374752	0.5601	24.5459
Oxazepam	Oxazepam-D5	7.606	88592	167217	0.5298	25.0555
Nordiazepam	Nordiazepam-D5	7.753	80150	88620	0.9044	26.1754

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

bl cal3

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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	7.809	104516	170266	0.6138	24.6979



# ISP FORENSICS - Cd'A Instrument # 62340

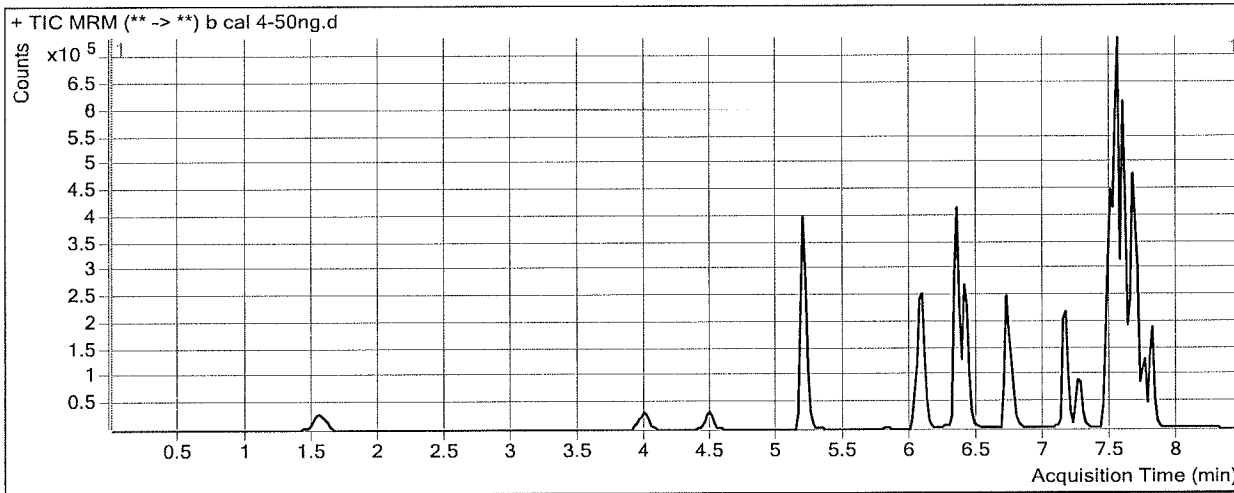
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2018 Data\07182018 mdq\QuantResults\mdq p1b.batch.bin  
**Analysis Time** 7/19/2018 8:07 AM **Analyst Name** ISP Tox  
**Report Time** 7/19/2018 8:24 AM **Reporter Name** ISP Tox  
**Last Calib Update** 7/19/2018 8:07 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-07-18 12:17 **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	1.548	84701	72624	1.1663	49.1508
Dihydrocodeine	Dihydrocodeine-D6	4.010	72925	75855	0.9614	52.2631
Noroxycodone	Noroxycodone-D3	4.498	73830	55497	1.3303	47.0587
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.199	645701	635439	1.0161	50.0532
Benzoyllecgonine	Benzoyllecgonine-d8	5.828	3401	5100	0.6668	48.7919
Ketamine	Ketamine-D4	6.061	252421	196416	1.2851	52.0965
Norfentanyl	Norfentanyl-D5	6.104	45405	440273	0.1031	4.8506
Cocaine	Cocaine-d3	6.329	517720	546730	0.9469	50.2339
alpha-PVP	alpha-PVP-d8	6.405	358781	318106	1.1279	49.6728
Mirtazapine	alpha-PVP-d8	6.720	444468	318106	1.3972	50.1020
Norbuprenorphine	Norbuprenorphine-D3	7.072	2044	19600	0.1043	5.0751
Fentanyl	Fentanyl-D5	7.158	65163	573718	0.1136	4.8141
Mitragynine	EDDP-D3	7.234	124933	35734	3.4962	55.4906
EDDP	EDDP-D3	7.266	35928	35734	1.0054	44.0429
Quetiapine	Quetiapine-D8	7.477	660801	178827	3.6952	52.1974
Cyclobenzaprine	Cyclobenzaprine-D3	7.509	252648	241113	1.0478	49.4719
Methadone	Methadone-D9	7.540	570503	621124	0.9185	50.6697
Buprenorphine	Buprenorphine-D4	7.714	13674	119805	0.1141	4.5288
Fluoxetine	Fluoxetine-D6	7.581	601854	573013	1.0503	51.4076
Sertraline	Sertraline-D3	7.643	107167	100562	1.0657	49.7701
Temazepam	Temazepam-D5	7.665	378826	353965	1.0702	45.4001
Oxazepam	Oxazepam-D5	7.626	132583	131701	1.0067	46.9556
Nordiazepam	Nordiazepam-D5	7.753	140768	77393	1.8189	50.9216

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

bl cal 4

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Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Diazepam	Diazepam-D5	7.809	183484	148491	1.2357	49.6120



# ISP FORENSICS - Cd'A Instrument # 62340

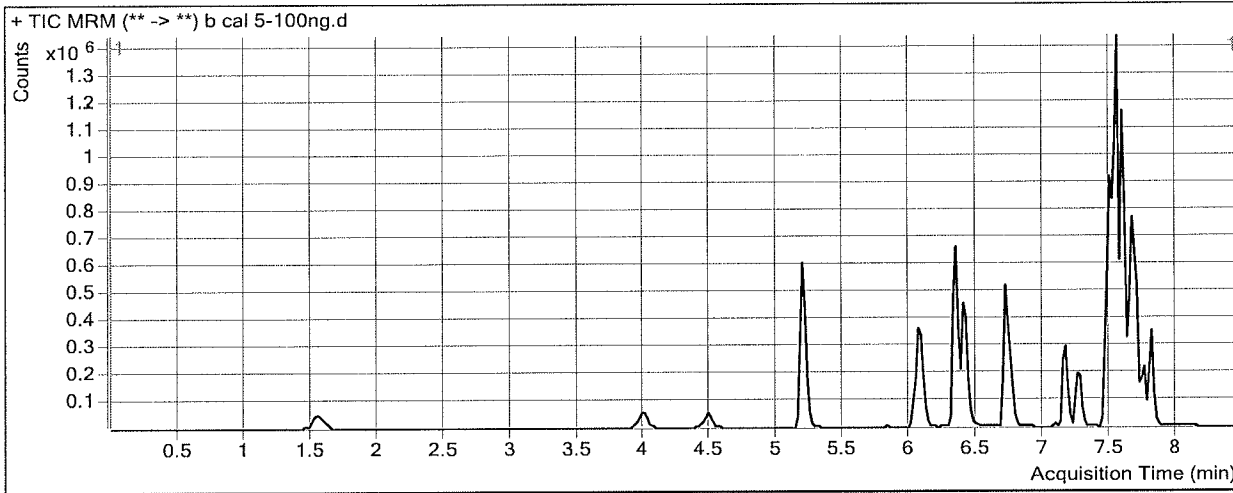
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2018 Data\07182018 mdq\QuantResults\mdq p1b.batch.bin  
**Analysis Time** 7/19/2018 8:07 AM **Analyst Name** ISP Tox  
**Report Time** 7/19/2018 8:24 AM **Reporter Name** ISP Tox  
**Last Calib Update** 7/19/2018 8:07 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-07-18 12:42 **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	1.568	174474	70752	2.4660	103.4785
Dihydrocodeine	Dihydrocodeine-D6	4.010	154209	76976	2.0033	109.7417
Noroxycodone	Noroxycodone-D3	4.498	146022	53753	2.7166	94.5308
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.199	1298659	636080	2.0417	100.5580
Benzoylcegonine	Benzoylcegonine-d8	5.828	6924	5108	1.3555	100.0649
Ketamine	Ketamine-D4	6.061	512090	203043	2.5221	102.0738
Norfentanyl	Norfentanyl-D5	6.104	96605	444358	0.2174	9.7516
Cocaine	Cocaine-d3	6.329	1078191	568217	1.8975	100.6031
alpha-PVP	alpha-PVP-d8	6.425	785594	342419	2.2942	100.7254
Mirtazapine	alpha-PVP-d8	6.720	912645	342419	2.6653	93.9750
Norbuprenorphine	Norbuprenorphine-D3	7.072	4021	22070	0.1822	8.7867
Fentanyl	Fentanyl-D5	7.158	153150	656375	0.2333	9.7887
Mitragynine	EDDP-D3	7.234	288735	40849	7.0683	114.9904
EDDP	EDDP-D3	7.266	95362	40849	2.3345	99.2120
Quetiapine	Quetiapine-D8	7.477	1402149	191086	7.3378	104.1250
Cyclobenzaprine	Cyclobenzaprine-D3	7.509	617566	287078	2.1512	101.2573
Methadone	Methadone-D9	7.540	1161524	716766	1.6205	89.0455
Buprenorphine	Buprenorphine-D4	7.735	34668	138031	0.2512	9.9001
Fluoxetine	Fluoxetine-D6	7.581	1577972	725670	2.1745	106.5202
Sertraline	Sertraline-D3	7.643	307341	149690	2.0532	94.9801
Temazepam	Temazepam-D5	7.665	735042	313296	2.3462	97.5546
Oxazepam	Oxazepam-D5	7.606	224094	103586	2.1634	100.0726
Nordiazepam	Nordiazepam-D5	7.753	268339	74951	3.5802	98.5859

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

bl cal 5

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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	7.809	393751	153124	2.5715	103.1320



# ISP FORENSICS - Cd'A Instrument # 62340

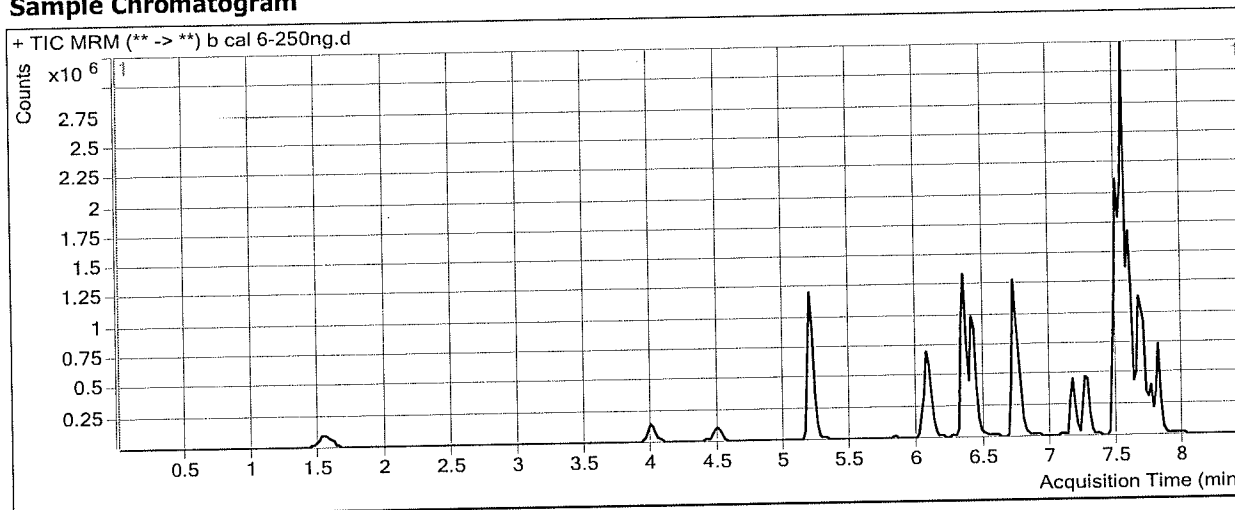
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	D:\2018 Data\07182018 mdq\QuantResults\mdq p1b.batch.bin		
<b>Analysis Time</b>	7/19/2018 8:07 AM	<b>Analyst Name</b>	ISP Tox
<b>Report Time</b>	7/19/2018 8:24 AM	<b>Reporter Name</b>	ISP Tox
<b>Last Calib Update</b>	7/19/2018 8:07 AM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2018-07-18 13:08	<b>Data File</b>	b cal 6-250ng.d
<b>Sample Type</b>	Calibration	<b>Sample Name</b>	b cal 6-250ng
<b>Dilution</b>	1	<b>Acq Method</b>	b1 mdq 618.m
<b>Position</b>	P2-F1	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	AM 28 Panel 1

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.548	422116	69269	6.0939	255.1248
Dihydrocodeine	Dihydrocodeine-D6	4.010	379133	78003	4.8605	267.3540
Noroxycodone	Noroxycodone-D3	4.498	333124	47376	7.0315	242.2983
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.199	3277975	646403	5.0711	249.7535
Benzoyllecgonine	Benzoyllecgonine-d8	5.828	18849	5614	3.3576	249.1252
Ketamine	Ketamine-D4	6.061	1290263	208790	6.1797	249.8582
Norfentanyl	Norfentanyl-D5	6.104	247678	453618	0.5460	23.8445
Cocaine	Cocaine-d3	6.329	2680209	567429	4.7234	250.3459
alpha-PVP	alpha-PVP-d8	6.405	1985367	354138	5.6062	245.6894
Mirtazapine	alpha-PVP-d8	6.720	2322948	354138	6.5594	228.7079
Norbuprenorphine	Norbuprenorphine-D3	7.072	11491	22084	0.5203	24.8989
Fentanyl	Fentanyl-D5	7.158	402847	680665	0.5918	24.6826
Mitragynine	EDDP-D3	7.234	702916	49907	14.0845	231.8591
EDDP	EDDP-D3	7.266	287794	49907	5.7666	241.6795
Quetiapine	Quetiapine-D8	7.477	3386652	188220	17.9931	256.0235
Cyclobenzaprine	Cyclobenzaprine-D3	7.509	1386056	261569	5.2990	248.9950
Methadone	Methadone-D9	7.540	3401820	750737	4.5313	248.1674
Buprenorphine	Buprenorphine-D4	7.735	94709	147054	0.6440	25.3010
Fluoxetine	Fluoxetine-D6	7.581	2618468	503387	5.2017	254.9286
Sertraline	Sertraline-D3	7.643	348310	66295	5.2539	241.5160
Temazepam	Temazepam-D5	7.665	1600033	277782	5.7600	237.1004
Oxazepam	Oxazepam-D5	7.606	333211	62880	5.2991	244.0738
Nordiazepam	Nordiazepam-D5	7.753	530309	58846	9.0118	245.5731

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

bl cal 6

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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	7.809	924054	149968	6.1617	246.9785





# ISP FORENSICS - Cd'A Instrument # 62340

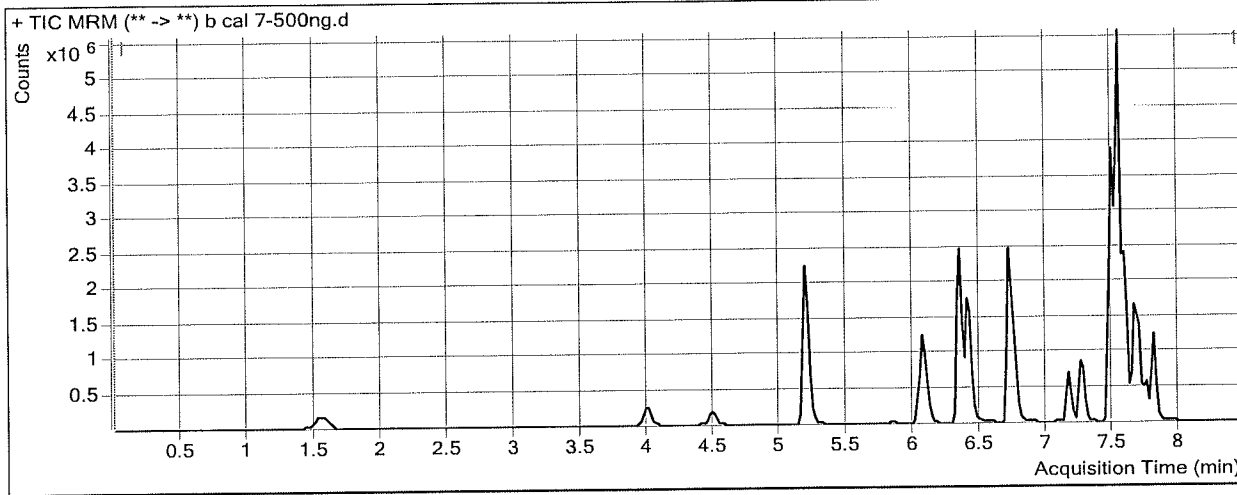
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	D:\2018 Data\07182018 mdq\QuantResults\mdq p1b.batch.bin		
<b>Analysis Time</b>	7/19/2018 8:07 AM	<b>Analyst Name</b>	ISP Tox
<b>Report Time</b>	7/19/2018 8:24 AM	<b>Reporter Name</b>	ISP Tox
<b>Last Calib Update</b>	7/19/2018 8:07 AM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2018-07-18 13:33	<b>Data File</b>	b cal 7-500ng.d
<b>Sample Type</b>	Calibration	<b>Sample Name</b>	b cal 7-500ng
<b>Dilution</b>	1	<b>Acq Method</b>	b1 mdq 618.m
<b>Position</b>	P2-G1	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	AM 28 Panel 1

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.548	767808	63640	12.0649	504.7159
Dihydrocodeine	Dihydrocodeine-D6	4.010	737327	80063	9.2093	507.2513
Noroxycodone	Noroxycodone-D3	4.498	620341	42569	14.5724	500.5460
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.199	6743495	654337	10.3058	507.5565
Benzoylcegonine	Benzoylcegonine-d8	5.828	42747	5388	7.9338	589.8447
Ketamine	Ketamine-D4	6.061	2543002	210760	12.0659	487.6833
Norfentanyl	Norfentanyl-D5	6.104	501801	434742	1.1543	49.9308
Cocaine	Cocaine-d3	6.329	5299006	564183	9.3924	497.7479
alpha-PVP	alpha-PVP-d8	6.405	3875951	335602	11.5492	505.8166
Mirtazapine	alpha-PVP-d8	6.720	4662156	335602	13.8919	482.4018
Norbuprenorphine	Norbuprenorphine-D3	7.072	23665	21402	1.1057	52.7924
Fentanyl	Fentanyl-D5	7.158	782056	660207	1.1846	49.3059
Mitragynine	EDDP-D3	7.234	1178109	48533	24.2745	401.5949
EDDP	EDDP-D3	7.246	575124	48533	11.8502	494.2130
Quetiapine	Quetiapine-D8	7.477	6374553	180483	35.3193	503.0210
Cyclobenzaprine	Cyclobenzaprine-D3	7.509	2304410	217292	10.6051	498.0300
Methadone	Methadone-D9	7.540	6630361	722482	9.1772	502.1395
Buprenorphine	Buprenorphine-D4	7.735	185647	137051	1.3546	53.1542
Fluoxetine	Fluoxetine-D6	7.581	3723187	359717	10.3503	507.3410
Sertraline	Sertraline-D3	7.643	505853	45692	11.0709	507.8256
Temazepam	Temazepam-D5	7.665	2649951	223017	11.8823	487.3535
Oxazepam	Oxazepam-D5	7.606	427525	38227	11.1837	514.3089
Nordiazepam	Nordiazepam-D5	7.753	807847	46108	17.5207	475.8364

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

bl 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	7.809	1746388	140026	12.4719	499.8039



# ISP FORENSICS - Cd'A Instrument # 62340

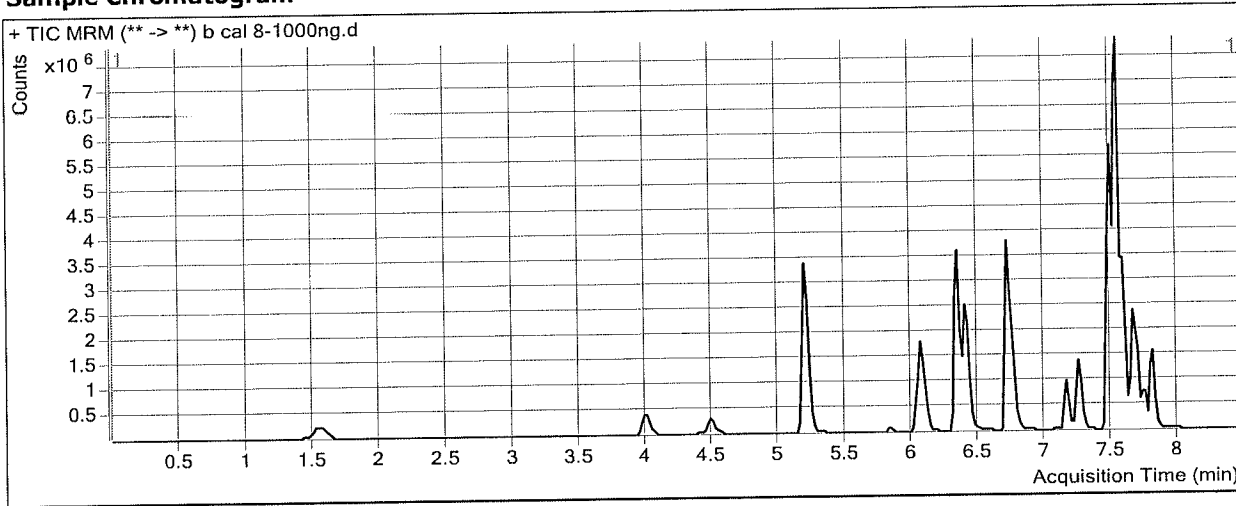
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	D:\2018 Data\07182018 mdq\QuantResults\mdq p1b.batch.bin		
<b>Analysis Time</b>	7/19/2018 8:07 AM	<b>Analyst Name</b>	ISP Tox
<b>Report Time</b>	7/19/2018 8:24 AM	<b>Reporter Name</b>	ISP Tox
<b>Last Calib Update</b>	7/19/2018 8:07 AM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2018-07-18 13:58	<b>Data File</b>	b cal 8-1000ng.d
<b>Sample Type</b>	Calibration	<b>Sample Name</b>	b cal 8-1000ng
<b>Dilution</b>	1	<b>Acq Method</b>	b1 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
Oxymorphone	Oxymorphone-D3	1.568	1181725	49999	23.6349	988.3400
Dihydrocodeine	Dihydrocodeine-D6	4.010	1176496	67268	17.4897	964.0319
Noroxycodone	Noroxycodone-D3	4.498	944507	31886	29.6217	1015.9216
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.199	10624797	527367	20.1469	992.2126
Benzoylcegonine	Benzoylcegonine-d8	5.828	101878	4850	21.0066	1563.1527
Ketamine	Ketamine-D4	6.061	3985989	167028	23.8642	964.3843
Norfentanyl	Norfentanyl-D5	6.104	812050	344910	2.3544	101.4016
Cocaine	Cocaine-d3	6.329	8101103	434444	18.6471	988.1449
alpha-PVP	alpha-PVP-d8	6.405	5685962	244507	23.2548	1018.1700
Mirtazapine	alpha-PVP-d8	6.720	7369618	244507	30.1408	1044.5907
Norbuprenorphine	Norbuprenorphine-D3	7.072	35346	16097	2.1958	104.7314
Fentanyl	Fentanyl-D5	7.158	1277559	523897	2.4386	101.4012
Mitragynine	EDDP-D3	7.234	1573239	39275	40.0566	664.4772
EDDP	EDDP-D3	7.246	964194	39275	24.5496	1021.3673
Quetiapine	Quetiapine-D8	7.477	9471836	137065	69.1048	984.6561
Cyclobenzaprine	Cyclobenzaprine-D3	7.509	3157983	147988	21.3394	1001.8313
Methadone	Methadone-D9	7.540	10461917	567042	18.4500	1009.0463
Buprenorphine	Buprenorphine-D4	7.714	291463	103529	2.8153	110.4137
Fluoxetine	Fluoxetine-D6	7.581	5358977	267895	20.0040	980.6151
Sertraline	Sertraline-D3	7.643	692382	31544	21.9498	1005.8821
Temazepam	Temazepam-D5	7.665	3683222	146107	25.2090	1032.0958
Oxazepam	Oxazepam-D5	7.606	556431	23911	23.2707	1069.3700
Nordiazepam	Nordiazepam-D5	7.753	1054307	27787	37.9422	1028.4703

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

*bl cal 8*

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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	7.809	2539459	101678	24.9754	1000.7746

*[Signature]*