



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

Extraction Date: 9/20/18

Analyst: Anne Nord

Plate lot#: 0530563

Plate Expiration: May 21 2019

**Mobile phase A:** 5mM Amm Form + 0.01% FA    **Mobile phase B:** 0.01% Formic Acid in MeOH  
0.5M Ammonium Hydroxide                      Ethyl Acetate                      20% Methanol in Water

**Blank Blood Lot:** 18G207D7

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

**LCMS-QQQ ID:** 62340

## Pre-Analytic:

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

## Analytic:

- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. Pipette **250µL blood (calibrated pipette) Pipette ID: 1926134** in wells of analytical (standards) plate.
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes. *Shaker ID: 66759*
- 4. Pipette **250µL 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: 092018 mdq Batch Name: pla mdq, plb mdq
- 2. Make necessary changes to integration limits
- 3. Integration linear and R<sup>2</sup> values ≥0.98 for each analyte.
- 4. For unknown samples and controls: response ratio within 20% of average of controls and standards, RT within +/- 5% (tramadol RT +/-2%), S/N for primary transition >10 and secondary transitions >5.
- 5. Did all QCs pass for each analyte? See comments. Add Control data to QC tracking spreadsheet.
- 6. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports.

COMMENTS: Limited curves: 6mam – 1-100 amphetamine 10-1000, lorazepam 5-100, Norhydrocodone 25-500, phentermine 10-1000, mitragynine 5-500, norfentanyl 2.5-100, Norbuprenorphine 1-100, ~~metoprolol 5-500~~  
External control not evaluated, see attached deviation.



**Idaho State Police  
Forensic Services  
Toxicology Discipline**

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**Request for Departure from an Analytical Method**

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Date of Request

09/21/18

Forensic Scientist

Anne Nord

Analytical Method

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

3.3.2 External Control

3.3.2.1 A minimum of one external control will be run with each batch for the each panel that is run. The external control may be prepared in house or purchased commercially (by a source other than Cayman). The control will have a minimum of 3 compounds at a concentration greater than the LOD as noted in Table 1, at least one of the compounds will be from panel a and at least one from panel b.

Request

I (Anne Nord) prepared a new working control on 9/20/18 for the panel 1 drugs. I prepared three controls at the same time and believe I added the wrong stock solution to the control. I am requesting to drop the requirement for an external control in this run. The external controls function is to show the kits from Caymen are working. There has been more than 10 runs completed with current plate lot (0530563) external controls were run with those extractions and demonstrated the lot is good. The run has 4 internal positive controls that are evaluated and one negative control. Additionally each sample has internal controls to demonstrate the extraction worked.

**Discipline Lead Review**

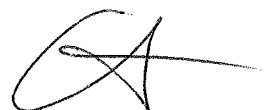
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Departure approved

*Celena Shrum*

Celena Shrum  
Toxicology Discipline Lead

Date: 09/21/2018



# ISP FORENSICS - Cd'A Instrument # 62340

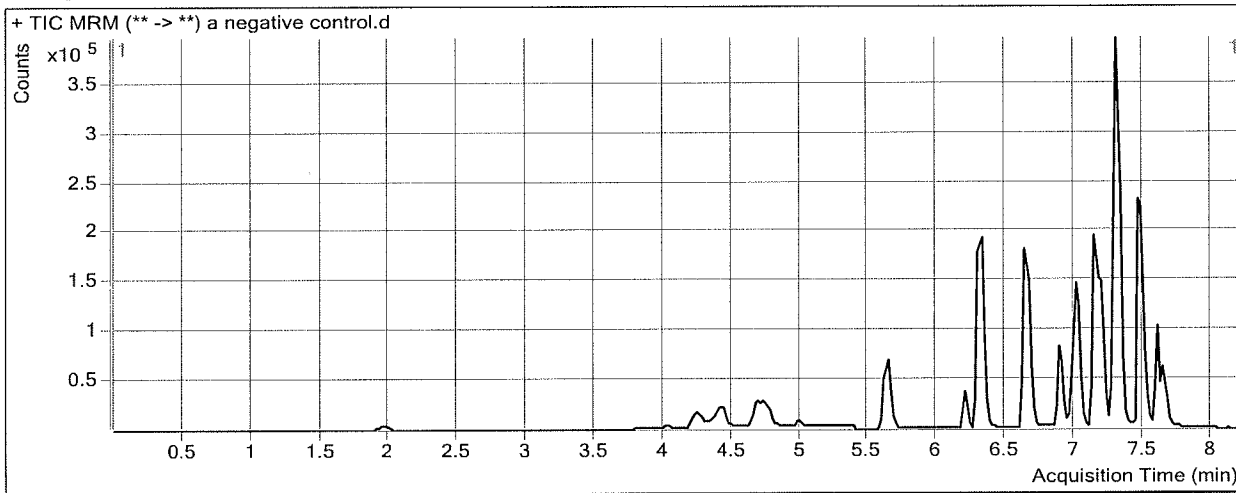
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2018 Data\092018 mdq\QuantResults\mdq p1a.batch.bin  
**Analysis Time** 9/21/2018 8:42 AM **Analyst Name** ISP Tox  
**Report Time** 9/21/2018 8:53 AM **Reporter Name** ISP Tox  
**Last Calib Update** 9/21/2018 8:42 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-09-20 15:39 **Data File** a negative control.d  
**Sample Type** Sample **Sample Name** a negative control  
**Dilution** 1 **Acq Method** a1 mdq 618.m  
**Position** P2-E2 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28 Panel 1, negative

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Amphetamine	Amphetamine-D11	4.383	16470	68808	0.2394	0.0000

# ISP FORENSICS - Cd'A Instrument # 62340

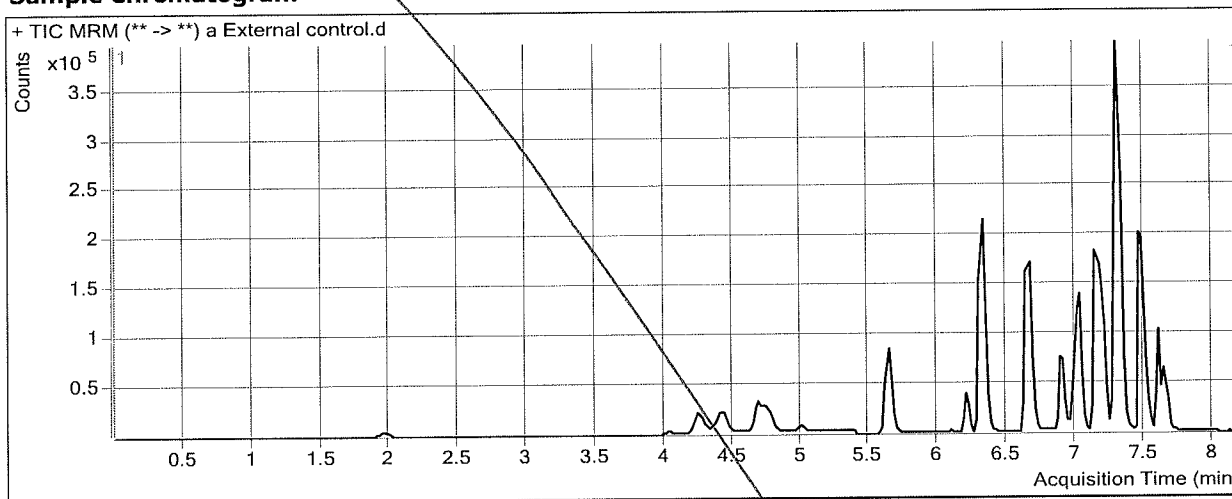
## Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2018 Data\092018 mdq\QuantResults\mdq p1a.batch.bin  
Analysis Time 9/21/2018 8:42 AM Analyst Name ISP Tox  
Report Time 9/21/2018 8:53 AM Reporter Name ISP Tox  
Last Calib Update 9/21/2018 8:42 AM Batch State Processed

### Analysis Info

Acq Time 2018-09-20 16:05 Data File a External control.d  
Sample Type Sample Sample Name a External control  
Dilution 1 Acq Method a1 mdq 618.m  
Position P2-F2 Sample Info  
Inj Vol -1 Comment AM 28; external control p1

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Amphetamine	Amphetamine-D11	4.383	16468	79687	0.2067	0.0000

*Not evaluated*

# ISP FORENSICS - Cd'A Instrument # 62340

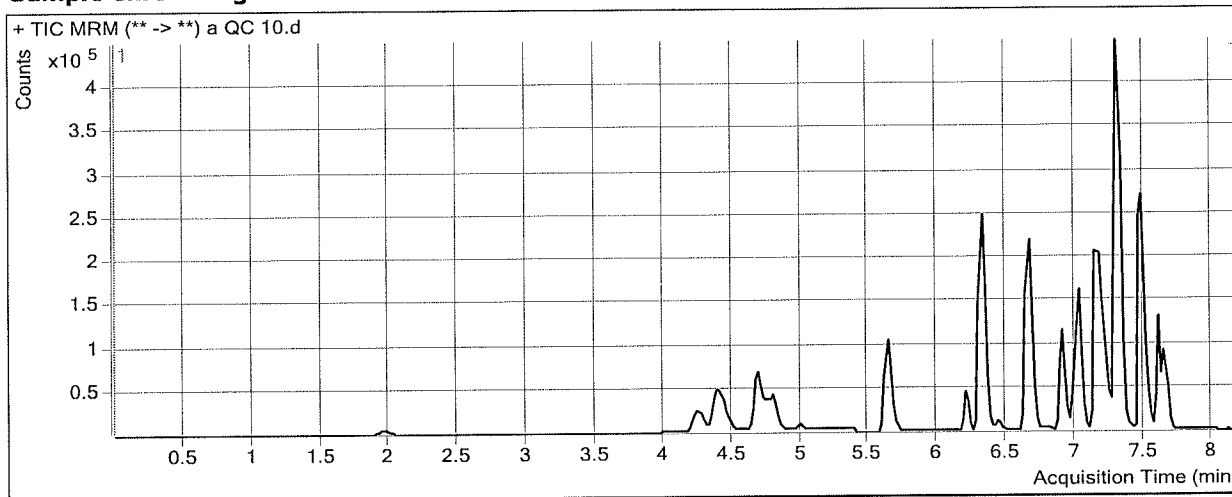
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2018 Data\092018 mdq\QuantResults\mdq p1a.batch.bin  
**Analysis Time** 9/21/2018 8:42 AM **Analyst Name** ISP Tox  
**Report Time** 9/21/2018 8:53 AM **Reporter Name** ISP Tox  
**Last Calib Update** 9/21/2018 8:42 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-09-20 16:30 **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	1307	1105	1.1820	12.0873
Hydromorphone	Hydromorphone-D6	1.989	6531	22668	0.2881	10.1759
Codeine	Codeine-D6	4.115	3116	12309	0.2531	10.7509
Amphetamine	Amphetamine-D11	4.403	113387	113389	1.0000	9.5812
Oxycodone	Oxycodone-D6	4.469	17520	86509	0.2025	9.8895
Norhydrocodone	Norhydrocodone-D3	4.818	712	25243	0.0282	<del>13.2935</del> outside curvature
Hydrocodone	Hydrocodone-D6	4.794	10738	64854	0.1656	9.4817
Methamphetamine	Methamphetamine-D11	4.802	76517	264606	0.2892	9.3416
6-MAM	6-MAM-D6	5.008	460	15671	0.0294	0.9812
Phentermine	Phentermine-D5	5.686	21911	341858	0.0641	10.1933
Dextrorphan	Dextrorphan-D3	6.204	12517	100266	0.1248	9.6095
7-aminoclonazepam	7-Aminoclonazepam-D4	6.331	18416	73953	0.2490	10.4269
Tramadol	Tramadol-13C-D3	6.341	114145	544189	0.2098	10.1466
Doxylamine	Doxylamine-D5	6.682	97866	534789	0.1830	9.1741
Metoprolol	Oxycodone-D6	6.437	14861	86509	0.1718	10.4603
Bupropion	Bupropion-D9	6.930	64187	276250	0.2324	10.1910
Meprobamate	Meprobamate-D7	7.012	10976	83660	0.1312	8.6389
Zolpidem	Zolpidem-D6	7.041	60702	355165	0.1709	9.8631
Venlafaxine	Venlafaxine-D6	7.145	106993	485245	0.2205	10.1699
Trazodone	Trazodone-D6	7.215	58546	271593	0.2156	9.9809
Citalopram	Citalopram-D6	7.278	70377	352237	0.1998	9.5180
Dextromethorphan	Dextromethorphan-D3	7.309	17962	90980	0.1974	10.1202
Diphenhydramine	Diphenhydramine-D3	7.312	134563	639092	0.2106	10.0551

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

Ala QC 10

<b>Compound</b>	<b>ISTD Compound</b>	<b>RT</b>	<b>Response</b>	<b>ISTD Resp</b>	<b>Resp Ratio</b>	<b>Final Conc</b>
Promethazine	Promethazine-D3	7.487	106647	624068	0.1709	10.1820
Clonazepam	Clonazepam-D4	7.523	16353	23435	0.6978	10.7864
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.601	4418	19564	0.2258	10.3555
Carisoprodol	Carisoprodol-D7	7.612	30092	175486	0.1715	10.7305
Lorazepam	a-hydroxyalprazolam-D5	7.643	9044	19564	0.4623	10.3326
Alprazolam	Alprazolam-D5	7.647	27206	108848	0.2499	10.2221

# ISP FORENSICS - Cd'A Instrument # 62340

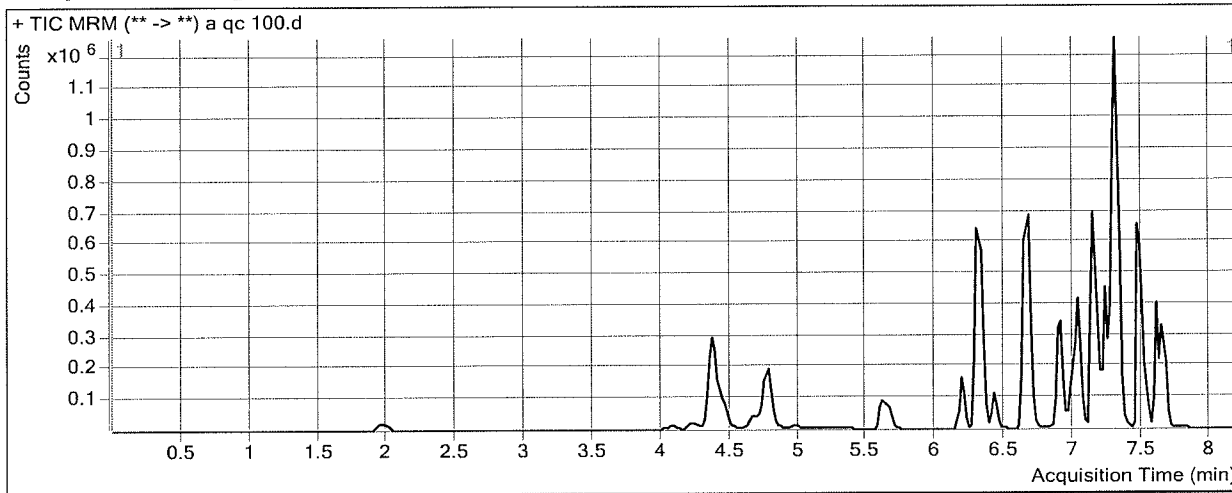
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2018 Data\092018 mdq\QuantResults\mdq p1a.batch.bin  
**Analysis Time** 9/21/2018 8:42 AM **Analyst Name** ISP Tox  
**Report Time** 9/21/2018 8:53 AM **Reporter Name** ISP Tox  
**Last Calib Update** 9/21/2018 8:42 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-09-20 20:31 **Data File** a qc 100.d  
**Sample Type** QC **Sample Name** a qc 100  
**Dilution** 1 **Acq Method** a1 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
Morphine	Morphine-D6	1.328	13093	1071	12.2243	104.3594
Hydromorphone	Hydromorphone-D6	1.969	65691	23061	2.8486	96.1879
Codeine	Codeine-D6	4.095	32403	12675	2.5565	88.4783
Amphetamine	Amphetamine-D11	4.383	767452	98589	7.7844	105.2418
Oxycodone	Oxycodone-D6	4.449	189492	84333	2.2470	102.6794
Norhydrocodone	Norhydrocodone-D3	4.779	8931	24590	0.3632	90.3187
Hydrocodone	Hydrocodone-D6	4.754	118202	66746	1.7709	102.4597
Methamphetamine	Methamphetamine-D11	4.782	387740	147454	2.6296	100.7471
6-MAM	6-MAM-D6	4.988	3983	16169	0.2464	8.4156
Phentermine	Phentermine-D5	5.666	194484	293462	0.6627	104.4555
Dextroprphan	Dextroprphan-D3	6.184	144056	102656	1.4033	101.3234
7-aminoclonazepam	7-Aminoclonazepam-D4	6.312	180769	72765	2.4843	103.4261
Tramadol	Tramadol-13C-D3	6.303	1166109	571356	2.0410	100.3092
Doxylamine	Doxylamine-D5	6.662	1030626	541806	1.9022	96.5962
Metoprolol	Oxycodone-D6	6.417	151870	84333	1.8008	106.3818
Bupropion	Bupropion-D9	6.910	604349	244067	2.4762	103.8681
Meprobamate	Meprobamate-D7	6.992	118567	78683	1.5069	97.3677
Zolpidem	Zolpidem-D6	7.021	621025	359440	1.7278	96.4457
Venlafaxine	Venlafaxine-D6	7.145	1139627	503330	2.2642	101.0311
Trazodone	Trazodone-D6	7.215	616050	279162	2.2068	97.7464
Citalopram	Citalopram-D6	7.278	719970	342856	2.0999	96.8206
Dextromethorphan	Dextromethorphan-D3	7.288	180953	85346	2.1202	93.6678
Diphenhydramine	Diphenhydramine-D3	7.312	1282103	577274	2.2210	102.7794



**ISP FORENSICS - Cd'A Instrument # 62340** *plA QC 100*  
**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	7.467	981776	561951	1.7471	98.6023
Clonazepam	Clonazepam-D4	7.523	147660	17702	8.3417	125.0873
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.581	38390	17645	2.1757	92.6537
Carisoprodol	Carisoprodol-D7	7.612	273728	170803	1.6026	93.8752
Lorazepam	a-hydroxyalprazolam-D5	7.623	56262	17645	3.1885	87.0002
Alprazolam	Alprazolam-D5	7.647	269699	103239	2.6124	101.8095



# ISP FORENSICS - Cd'A Instrument # 62340

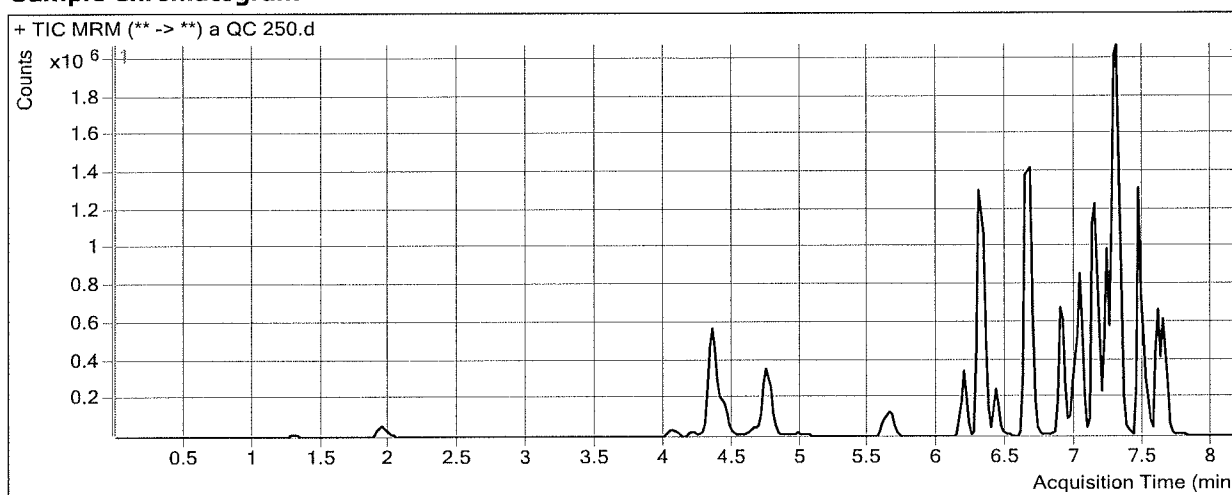
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2018 Data\092018 mdq\QuantResults\mdq p1a.batch.bin  
**Analysis Time** 9/21/2018 8:42 AM **Analyst Name** ISP Tox  
**Report Time** 9/21/2018 8:53 AM **Reporter Name** ISP Tox  
**Last Calib Update** 9/21/2018 8:42 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-09-20 20:56 **Data File** a QC 250.d  
**Sample Type** QC **Sample Name** a QC 250  
**Dilution** 1 **Acq Method** a1 mdq 618.m  
**Position** P2-C2 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28 Panel 1

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.308	34021	1085	31.3609	264.2703
Hydromorphone	Hydromorphone-D6	1.949	164534	21510	7.6493	257.4518
Codeine	Codeine-D6	4.056	78794	11942	6.5979	224.8549
Amphetamine	Amphetamine-D11	4.363	1626602	80025	20.3261	282.0818
Oxycodone	Oxycodone-D6	4.429	454635	86548	5.2530	239.1131
Norhydrocodone	Norhydrocodone-D3	4.759	22786	22879	0.9959	235.7901
Hydrocodone	Hydrocodone-D6	4.754	288838	64430	4.4830	259.5327
Methamphetamine	Methamphetamine-D11	4.762	655091	97879	6.6929	259.4411
6-MAM	6-MAM-D6	4.968	11196	15315	0.7310	25.0231
Phentermine	Phentermine-D5	5.666	394923	248990	1.5861	249.8536
Dextroprphan	Dextroprphan-D3	6.184	351187	98545	3.5637	256.3080
7-aminoclonazepam	7-Aminoclonazepam-D4	6.312	390335	62738	6.2217	258.9209
Tramadol	Tramadol-13C-D3	6.303	2812253	529417	5.3120	261.3644
Doxylamine	Doxylamine-D5	6.662	2470243	507619	4.8663	247.3233
Metoprolol	Oxycodone-D6	6.417	356491	86548	4.1190	242.8781
Bupropion	Bupropion-D9	6.890	1290984	217535	5.9346	248.2550
Meprobamate	Meprobamate-D7	6.992	283092	70903	3.9927	257.6944
Zolpidem	Zolpidem-D6	7.021	1530895	347340	4.4075	245.4764
Venlafaxine	Venlafaxine-D6	7.145	2771692	467615	5.9273	263.8913
Trazodone	Trazodone-D6	7.215	1430741	260177	5.4991	242.8597
Citalopram	Citalopram-D6	7.257	1590948	291067	5.4659	251.4737
Dextromethorphan	Dextromethorphan-D3	7.288	415020	76170	5.4486	238.2869
Diphenhydramine	Diphenhydramine-D3	7.312	2951310	562520	5.2466	242.3278

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

Plan QC 250

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Promethazine	Promethazine-D3	7.467	1973628	435940	4.5273	254.5648
Clonazepam	Clonazepam-D4	7.523	285398	15340	18.6048	278.5547
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.581	74844	15030	4.9795	210.9977
Carisoprodol	Carisoprodol-D7	7.612	590556	144305	4.0924	238.5285
Lorazepam	a-hydroxyalprazolam-D5	7.623	86607	15030	5.7621	-159.3742
Alprazolam	Alprazolam-D5	7.647	573720	92935	6.1733	239.8632

outside curve  
range A

# ISP FORENSICS - Cd'A Instrument # 62340

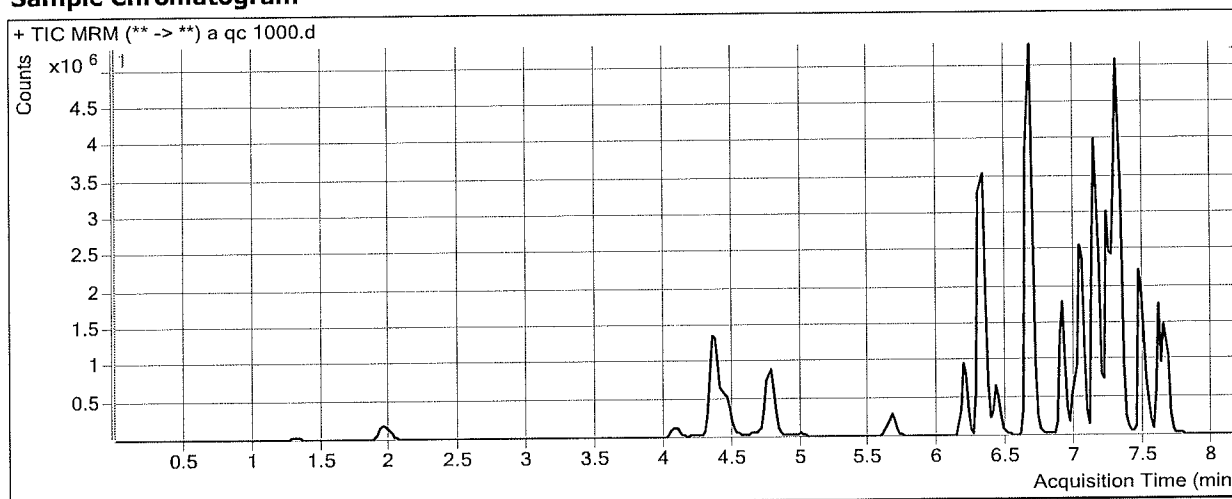
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2018 Data\092018 mdq\QuantResults\mdq p1a.batch.bin  
**Analysis Time** 9/21/2018 8:42 AM **Analyst Name** ISP Tox  
**Report Time** 9/21/2018 8:53 AM **Reporter Name** ISP Tox  
**Last Calib Update** 9/21/2018 8:42 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-09-20 21:21 **Data File** a qc 1000.d  
**Sample Type** QC **Sample Name** a qc 1000  
**Dilution** 1 **Acq Method** a1 mdq 618.m  
**Position** P2-D2 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28 Panel 1

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.328	125393	980	128.0076	1071.8759
Hydromorphone	Hydromorphone-D6	1.969	607425	18930	32.0879	1078.3945
Codeine	Codeine-D6	4.076	274916	9622	28.5705	966.3253
Amphetamine	Amphetamine-D11	4.363	4196127	63707	65.8656	924.1950
Oxycodone	Oxycodone-D6	4.449	1635757	72963	22.4189	1018.2146
Norhydrocodone	Norhydrocodone-D3	4.779	94753	17714	5.3491	<del>1236.6278</del>
Hydrocodone	Hydrocodone-D6	4.754	984191	59865	16.4403	952.0651
Methamphetamine	Methamphetamine-D11	4.782	1620266	66183	24.4816	954.1907
6-MAM	6-MAM-D6	4.988	44254	15051	2.9402	100.7209
Phentermine	Phentermine-D5	5.666	1012896	171942	5.8909	927.7038
Dextrophan	Dextrophan-D3	6.184	1214701	84888	14.3094	1027.1861
7-aminoclonazepam	7-Aminoclonazepam-D4	6.312	969678	47617	20.3640	847.3136
Tramadol	Tramadol-13C-D3	6.323	9589705	572268	16.7574	824.9006
Doxylamine	Doxylamine-D5	6.662	9544875	485715	19.6512	999.1380
Metoprolol	Oxycodone-D6	6.417	1033240	72963	14.1611	<del>834.1695</del>
Bupropion	Bupropion-D9	6.910	3626013	152533	23.7720	992.9527
Meprobamate	Meprobamate-D7	7.012	869131	56292	15.4398	996.0040
Zolpidem	Zolpidem-D6	7.021	5587154	315888	17.6871	984.0124
Venlafaxine	Venlafaxine-D6	7.145	9593948	416978	23.0083	1023.3024
Trazodone	Trazodone-D6	7.215	4675484	226240	20.6661	911.3644
Citalopram	Citalopram-D6	7.278	3775471	175933	21.4597	986.3222
Dextromethorphan	Dextromethorphan-D3	7.288	1023975	43044	23.7890	1035.1911
Diphenhydramine	Diphenhydramine-D3	7.312	8170486	375513	21.7582	1003.8796

*outside current range A*

*outside current range A*

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

Pl a QC 1000

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Promethazine	Promethazine-D3	7.467	4534483	252221	17.9782	1009.1259
Clonazepam	Clonazepam-D4	7.523	538091	8728	61.6530	922.2665
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.581	216818	8547	25.3665	1071.4761
Carisoprodol	Carisoprodol-D7	7.612	1532459	93080	16.4638	957.2807
Lorazepam	a-hydroxyalprazolam-D5	7.623	219868	8547	25.7233	<del>720.7160</del>
Alprazolam	Alprazolam-D5	7.647	1581778	55943	28.2749	1096.7045

outside  
curve  
range  
A

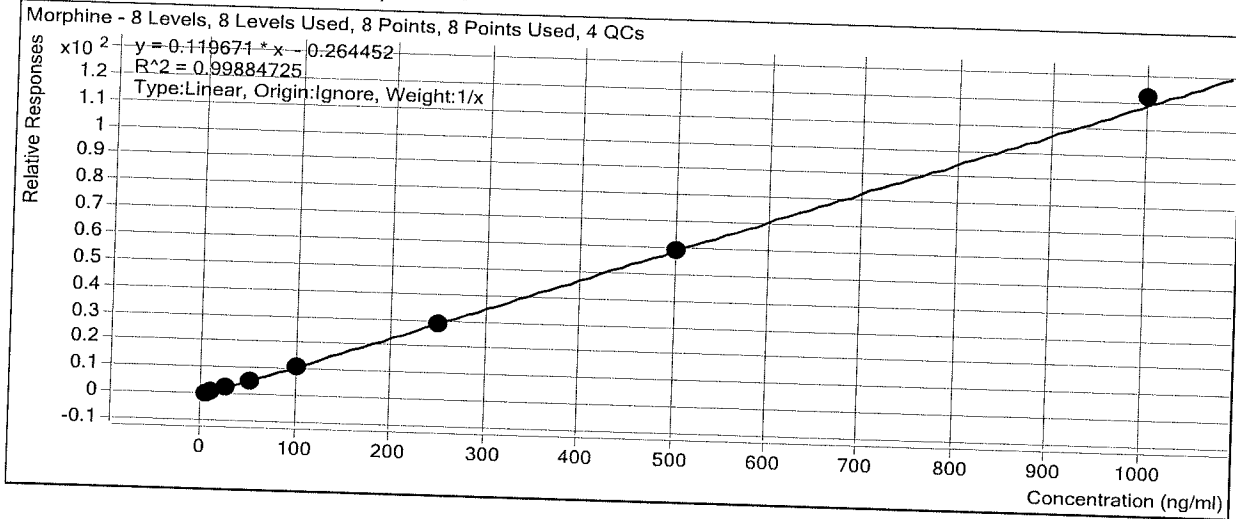
# ISP Forensics Calibration Curve Report

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

D:\2018 Data\092018 mdq\QuantResults\mdq p1a.batch.bin  
9/21/2018 8:42 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	6.4	127.4
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	96.4
a QC 10	2	<input checked="" type="checkbox"/>	10	12.1	120.9
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.7	90.8
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.2	94.4
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	91.8	91.8
a qc 100	5	<input checked="" type="checkbox"/>	100	104.4	104.4
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	244.6	97.8
a QC 250	6	<input checked="" type="checkbox"/>	250	264.3	105.7
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	496.1	99.2
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1021.6	102.2
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1071.9	107.2

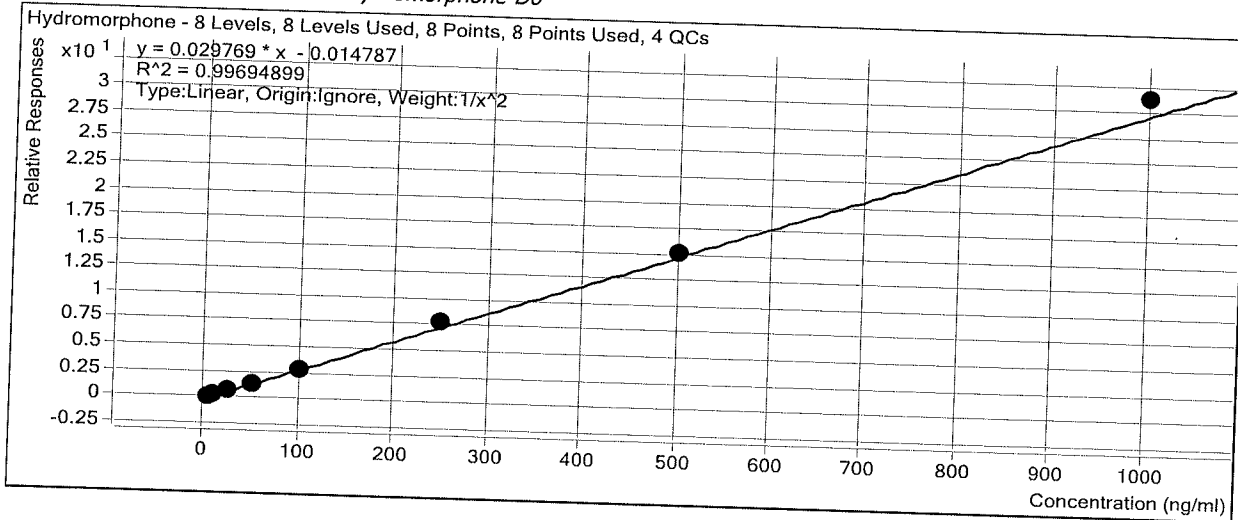
# ISP Forensics Calibration Curve Report

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

D:\2018 Data\092018 mdq\QuantResults\mdq p1a.batch.bin  
9/21/2018 8:42 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	104.6
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.4	94.0
a QC 10	2	<input checked="" type="checkbox"/>	10	10.2	101.8
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.2	92.7
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.2	98.4
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.0	99.0
a qc 100	5	<input checked="" type="checkbox"/>	100	96.2	96.2
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	260.2	104.1
a QC 250	6	<input checked="" type="checkbox"/>	250	257.5	103.0
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	511.7	102.3
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1049.9	105.0
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1078.4	107.8

# ISP Forensics Calibration Curve Report

Batch Data Path  
Last Calib Update

D:\2018 Data\092018 mdq\QuantResults\mdq p1a.batch.bin  
9/21/2018 8:42 AM

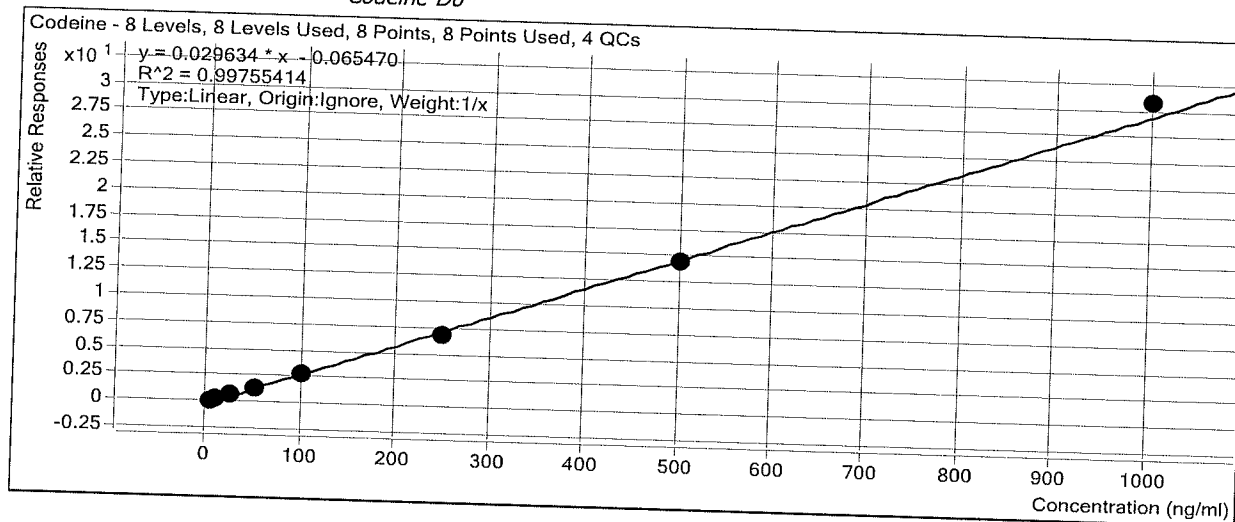
Analyst Name  
ISP TOX

**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	6.3	126.7
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	99.8
a QC 10	2	<input checked="" type="checkbox"/>	10	10.8	107.5
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.2	92.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	44.9	89.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	96.9	96.9
a qc 100	5	<input checked="" type="checkbox"/>	100	88.5	88.5
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	229.6	91.8
a QC 250	6	<input checked="" type="checkbox"/>	250	224.9	89.9
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	491.2	98.2
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1037.8	103.8
a qc 1000	8	<input checked="" type="checkbox"/>	1000	966.3	96.6



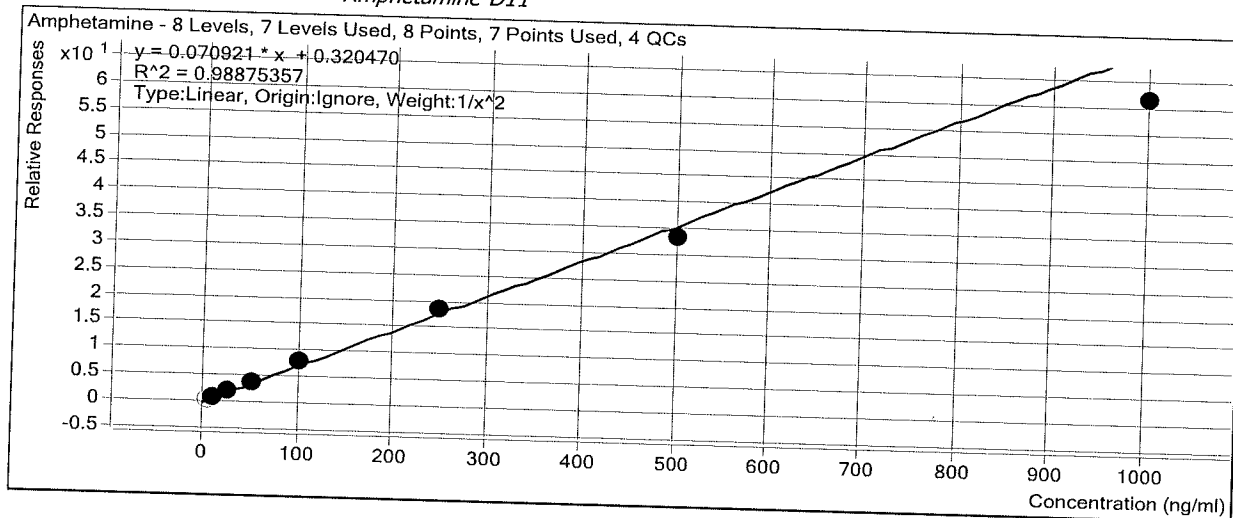
# ISP Forensics Calibration Curve Report

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

D:\2018 Data\092018 mdq\QuantResults\mdq p1a.batch.bin  
9/21/2018 8:42 AM

**Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input type="checkbox"/>	5	3.8	76.8
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.4	94.4
a QC 10	2	<input checked="" type="checkbox"/>	10	9.6	95.8
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	27.7	110.8
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.9	101.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	110.2	110.2
a qc 100	5	<input checked="" type="checkbox"/>	100	105.2	105.2
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	258.4	103.4
a QC 250	6	<input checked="" type="checkbox"/>	250	282.1	112.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	465.8	93.2
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	862.1	86.2
a qc 1000	8	<input checked="" type="checkbox"/>	1000	924.2	92.4

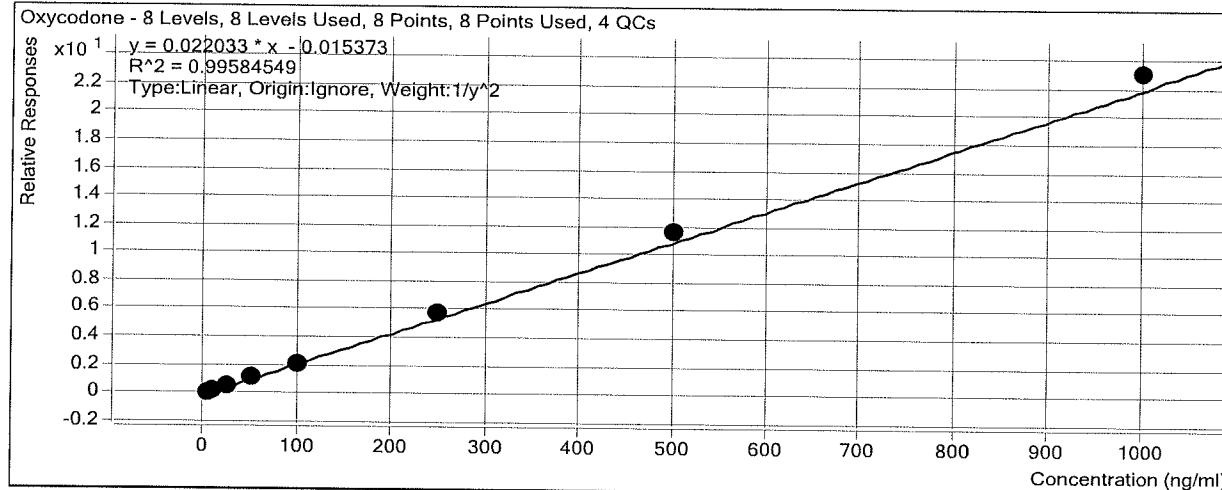
# ISP Forensics Calibration Curve Report

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

D:\2018 Data\092018 mdq\QuantResults\mdq p1a.batch.bin  
9/21/2018 8:42 AM

**Analyst Name**      ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	104.6
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.5	94.6
a QC 10	2	<input checked="" type="checkbox"/>	10	9.9	98.9
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.9	91.5
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.1	100.1
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.0	99.0
a qc 100	5	<input checked="" type="checkbox"/>	100	102.7	102.7
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	261.5	104.6
a QC 250	6	<input checked="" type="checkbox"/>	250	239.1	95.6
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	526.8	105.4
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1044.8	104.5
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1018.2	101.8

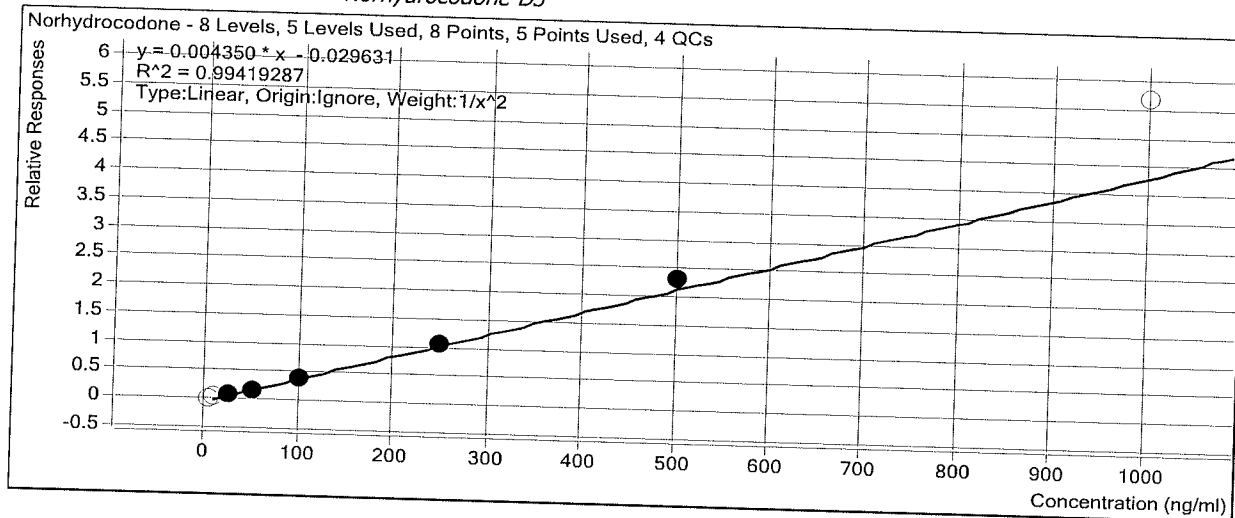
# ISP Forensics Calibration Curve Report

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

D:\2018 Data\092018 mdq\QuantResults\mdq p1a.batch.bin  
9/21/2018 8:42 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	10.8	216.4
a cal 2-10ng	2	<input type="checkbox"/>	10	13.4	134.3
a QC 10	2	<input type="checkbox"/>	10	13.3	132.9
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.9	103.7
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.4	94.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	94.3	94.3
a qc 100	5	<input checked="" type="checkbox"/>	100	90.3	90.3
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	248.9	99.6
a QC 250	6	<input checked="" type="checkbox"/>	250	235.8	94.3
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	538.3	107.7
a cal 8-1000ng	8	<input type="checkbox"/>	1000	1310.4	131.0
a qc 1000	8	<input type="checkbox"/>	1000	1236.6	123.7

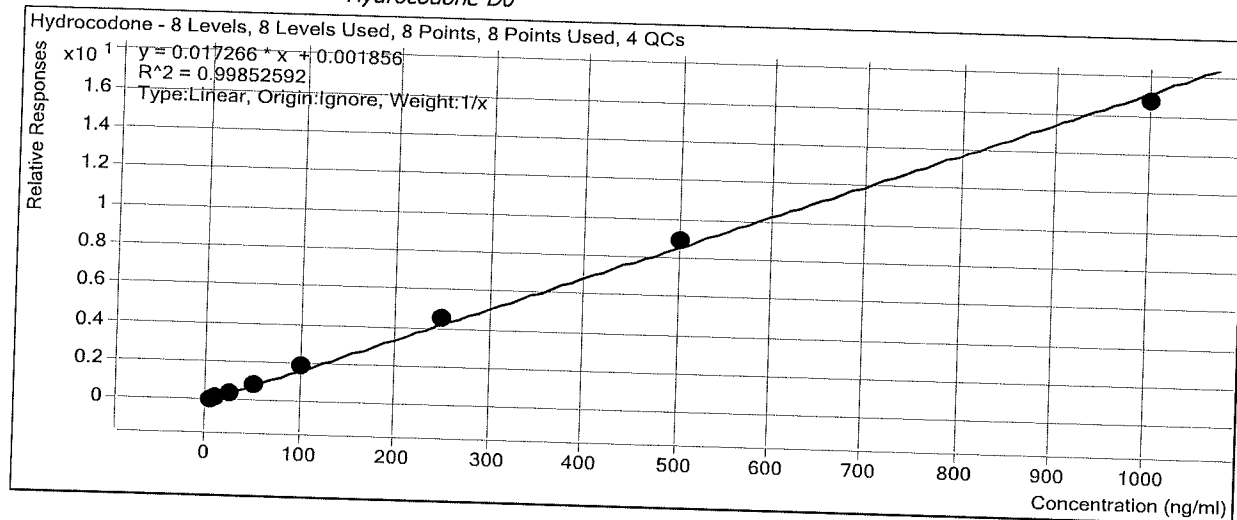
# ISP Forensics Calibration Curve Report

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

D:\2018 Data\092018 mdq\QuantResults\mdq p1a.batch.bin  
9/21/2018 8:42 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	4.8	96.0
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.3	93.0
a QC 10	2	<input checked="" type="checkbox"/>	10	9.5	94.8
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.0	100.1
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.5	98.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	107.7	107.7
a qc 100	5	<input checked="" type="checkbox"/>	100	102.5	102.5
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	261.8	104.7
a QC 250	6	<input checked="" type="checkbox"/>	250	259.5	103.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	513.8	102.8
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	968.1	96.8
a qc 1000	8	<input checked="" type="checkbox"/>	1000	952.1	95.2

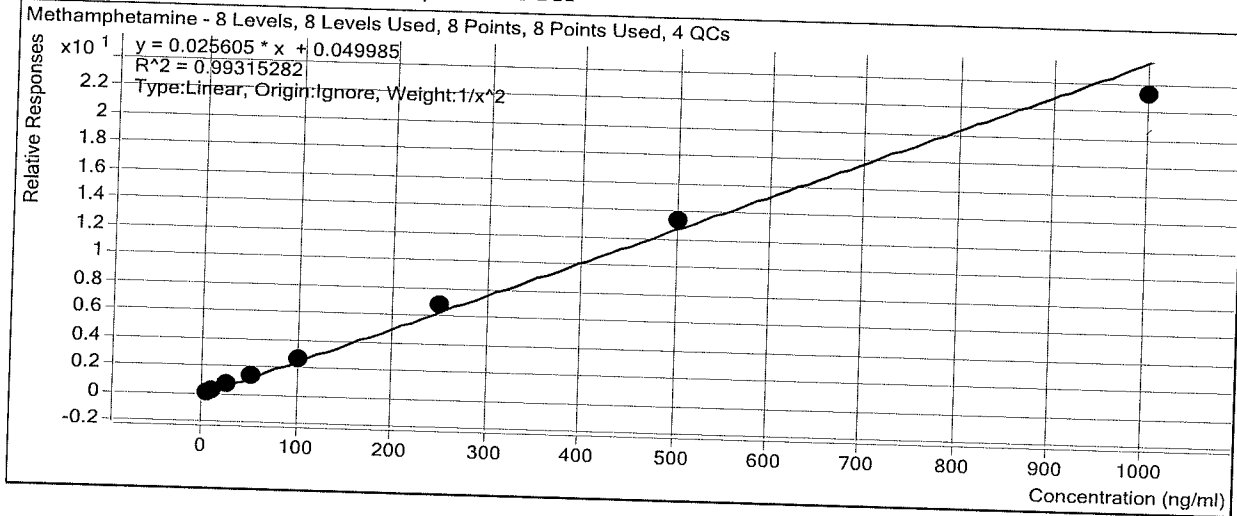
# ISP Forensics Calibration Curve Report

Batch Data Path  
Last Calib Update

D:\2018 Data\092018 mdq\QuantResults\mdq p1a.batch.bin  
9/21/2018 8:42 AM

Analyst Name  
ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.3	105.9
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	8.7	87.1
a QC 10	2	<input checked="" type="checkbox"/>	10	9.3	93.4
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.1	100.4
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.6	101.2
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	105.2	105.2
a qc 100	5	<input checked="" type="checkbox"/>	100	100.7	100.7
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	262.4	104.9
a QC 250	6	<input checked="" type="checkbox"/>	250	259.4	103.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	522.7	104.5
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	906.9	90.7
a qc 1000	8	<input checked="" type="checkbox"/>	1000	954.2	95.4

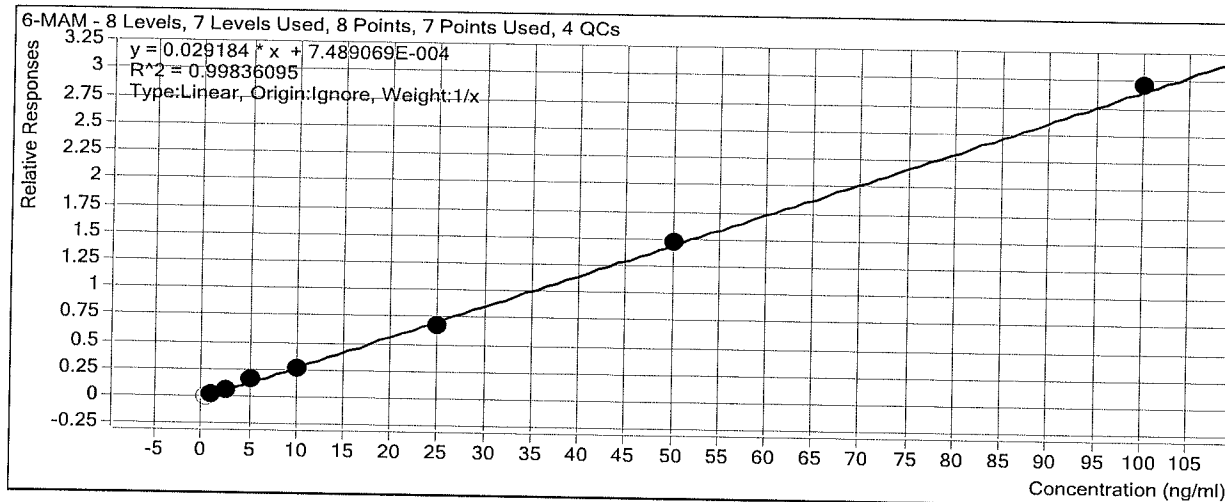
# ISP Forensics Calibration Curve Report

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

D:\2018 Data\092018 mdq\QuantResults\mdq p1a.batch.bin  
9/21/2018 8:42 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	0.4	75.9
a cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.0	97.5
a QC 10	2	<input checked="" type="checkbox"/>	1	1.0	98.1
a cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.5	100.4
a cal 4-50ng	4	<input checked="" type="checkbox"/>	5	5.6	112.5
a cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.5	95.0
a qc 100	5	<input checked="" type="checkbox"/>	10	8.4	84.2
a cal 6-250ng	6	<input checked="" type="checkbox"/>	25	23.1	92.3
a QC 250	6	<input checked="" type="checkbox"/>	25	25.0	100.1
a cal 7-500ng	7	<input checked="" type="checkbox"/>	50	50.5	100.9
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	101.4	101.4
a qc 1000	8	<input checked="" type="checkbox"/>	100	100.7	100.7

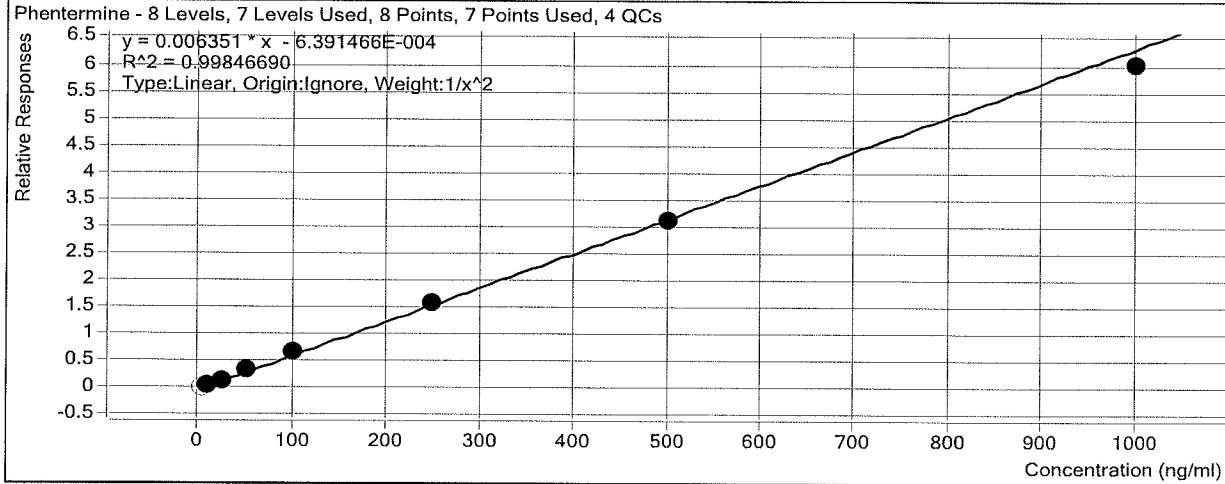
# ISP Forensics Calibration Curve Report

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

D:\2018 Data\092018 mdq\QuantResults\mdq p1a.batch.bin  
9/21/2018 8:42 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	5.1	102.3
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	98.9
a QC 10	2	<input checked="" type="checkbox"/>	10	10.2	101.9
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.1	100.2
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.4	102.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	104.8	104.8
a qc 100	5	<input checked="" type="checkbox"/>	100	104.5	104.5
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	252.0	100.8
a QC 250	6	<input checked="" type="checkbox"/>	250	249.9	99.9
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	489.1	97.8
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	945.5	94.5
a qc 1000	8	<input checked="" type="checkbox"/>	1000	927.7	92.8

# ISP Forensics Calibration Curve Report

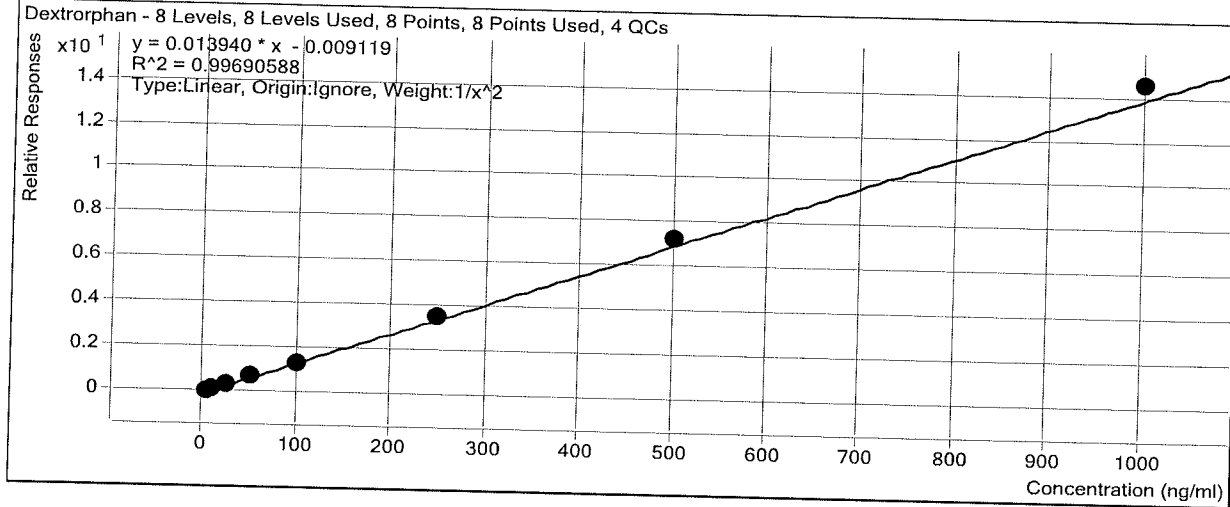
**Batch Data Path**  
**Last Calib Update**

D:\2018 Data\092018 mdq\QuantResults\mdq p1a.batch.bin  
9/21/2018 8:42 AM

**Analyst Name**

ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	104.7
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.3	93.4
a QC 10	2	<input checked="" type="checkbox"/>	10	9.6	96.1
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.2	92.7
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.2	100.4
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.3	98.3
a qc 100	5	<input checked="" type="checkbox"/>	100	101.3	101.3
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	254.2	101.7
a QC 250	6	<input checked="" type="checkbox"/>	250	256.3	102.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	522.8	104.6
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1042.3	104.2
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1027.2	102.7



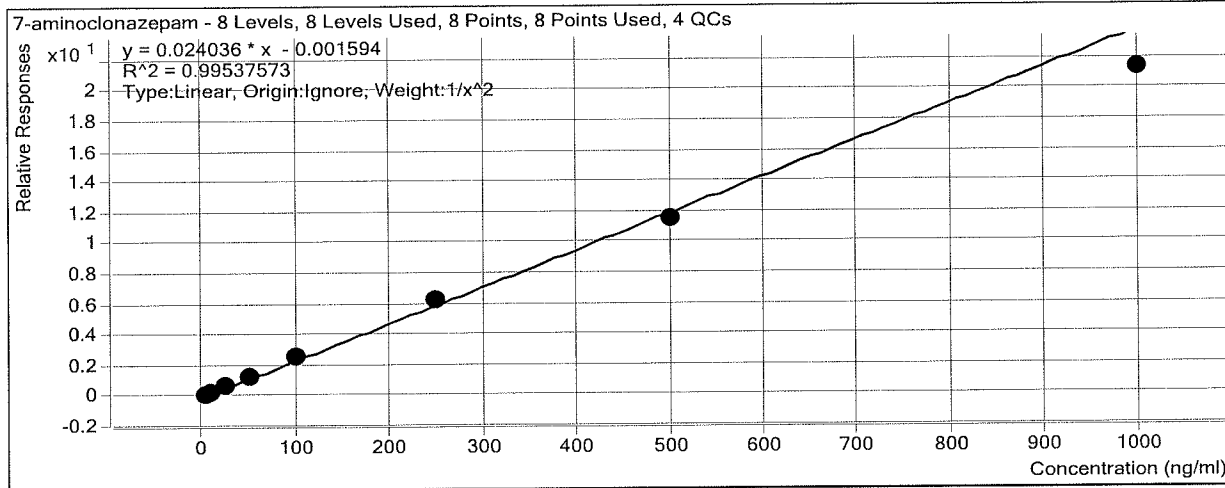
# ISP Forensics Calibration Curve Report

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

D:\2018 Data\092018 mdq\QuantResults\mdq p1a.batch.bin  
9/21/2018 8:42 AM

**Analyst Name**                      ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.6
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	96.1
a QC 10	2	<input checked="" type="checkbox"/>	10	10.4	104.3
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.7	103.0
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.6	105.1
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	105.5	105.5
a qc 100	5	<input checked="" type="checkbox"/>	100	103.4	103.4
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	261.9	104.8
a QC 250	6	<input checked="" type="checkbox"/>	250	258.9	103.6
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	480.8	96.2
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	887.7	88.8
a qc 1000	8	<input checked="" type="checkbox"/>	1000	847.3	84.7

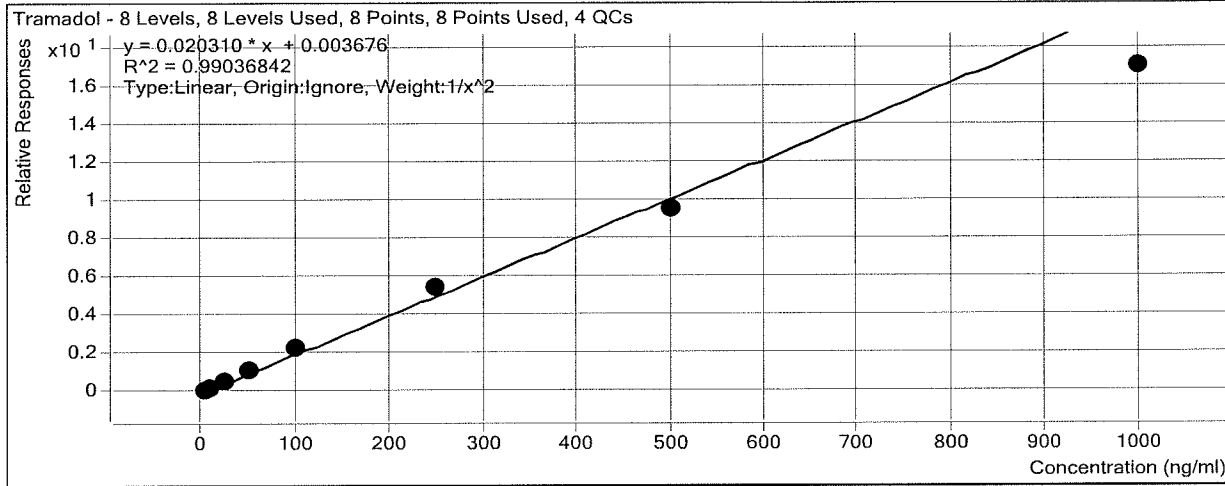
# ISP Forensics Calibration Curve Report

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

D:\2018 Data\092018 mdq\QuantResults\mdq p1a.batch.bin  
9/21/2018 8:42 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	5.0	99.5
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	98.0
a QC 10	2	<input checked="" type="checkbox"/>	10	10.1	101.5
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.7	102.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.9	103.7
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	111.3	111.3
a qc 100	5	<input checked="" type="checkbox"/>	100	100.3	100.3
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	268.1	107.3
a QC 250	6	<input checked="" type="checkbox"/>	250	261.4	104.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	468.3	93.7
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	836.9	83.7
a qc 1000	8	<input checked="" type="checkbox"/>	1000	824.9	82.5

# ISP Forensics Calibration Curve Report

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

D:\2018 Data\092018 mdq\QuantResults\mdq p1a.batch.bin  
9/21/2018 8:42 AM

**Analyst Name**

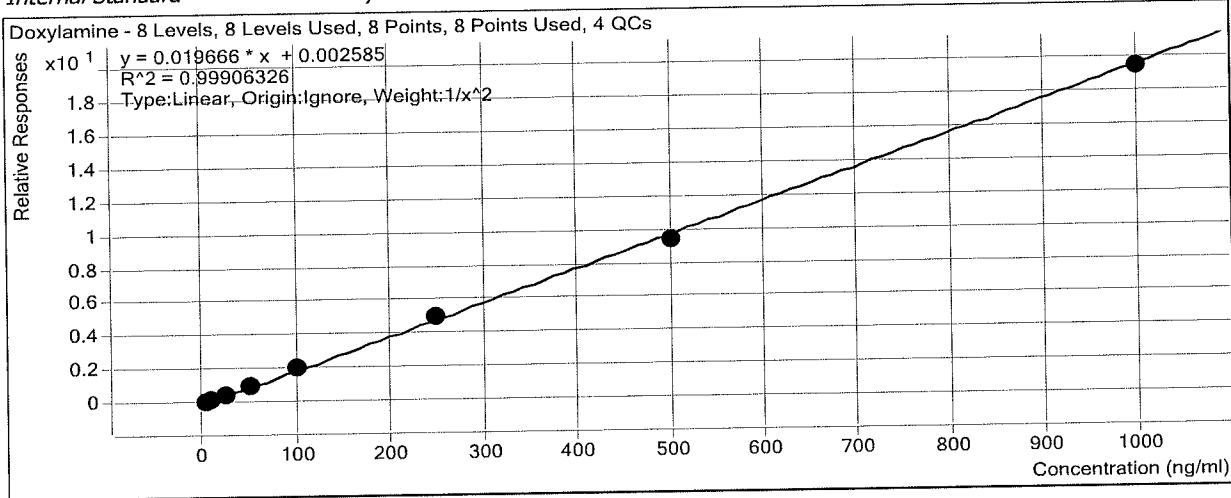
ISP TOX

**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	5.0	100.6
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	98.3
a QC 10	2	<input checked="" type="checkbox"/>	10	9.2	91.7
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.0	100.0
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.2	100.5
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	104.2	104.2
a qc 100	5	<input checked="" type="checkbox"/>	100	96.6	96.6
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	256.1	102.4
a QC 250	6	<input checked="" type="checkbox"/>	250	247.3	98.9
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	477.3	95.5
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	985.9	98.6
a qc 1000	8	<input checked="" type="checkbox"/>	1000	999.1	99.9

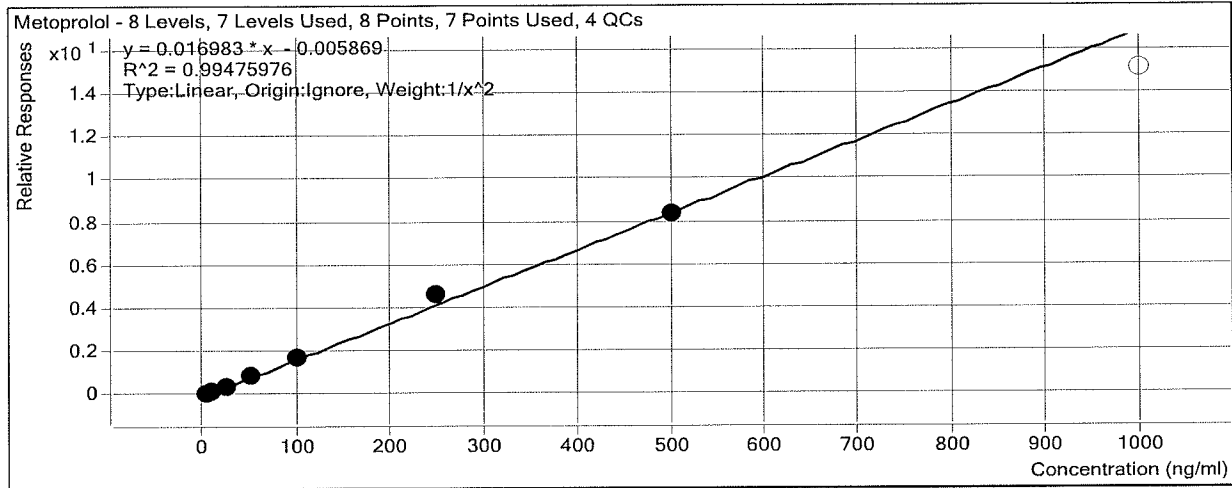
# ISP Forensics Calibration Curve Report

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

D:\2018 Data\092018 mdq\QuantResults\mdq p1a.batch.bin  
9/21/2018 8:42 AM

**Analyst Name**      ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	104.7
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.3	93.2
a QC 10	2	<input checked="" type="checkbox"/>	10	10.5	104.6
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.0	92.0
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	106.4	106.4
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	273.4	109.3
a QC 250	6	<input checked="" type="checkbox"/>	250	242.9	97.2
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	492.9	98.6
a cal 8-1000ng	8	<input type="checkbox"/>	1000	890.4	89.0
a qc 1000	8	<input type="checkbox"/>	1000	834.2	83.4

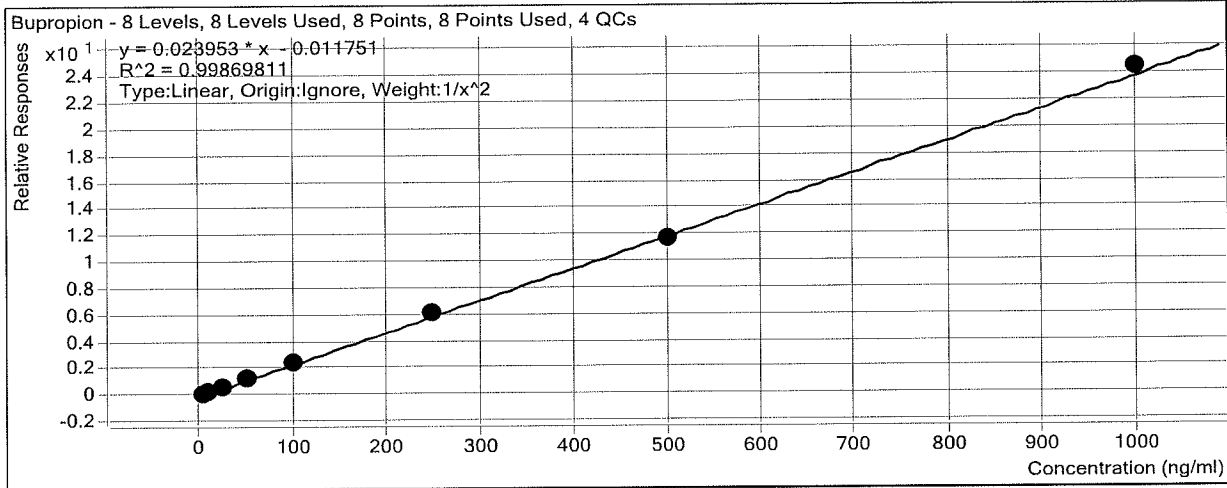
# ISP Forensics Calibration Curve Report

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

D:\2018 Data\092018 mdq\QuantResults\mdq p1a.batch.bin  
9/21/2018 8:42 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	101.9
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	98.0
a QC 10	2	<input checked="" type="checkbox"/>	10	10.2	101.9
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.7	94.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.6	99.2
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.1	103.1
a qc 100	5	<input checked="" type="checkbox"/>	100	103.9	103.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	258.6	103.4
a QC 250	6	<input checked="" type="checkbox"/>	250	248.3	99.3
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	486.2	97.2
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1022.7	102.3
a qc 1000	8	<input checked="" type="checkbox"/>	1000	993.0	99.3

# ISP Forensics Calibration Curve Report

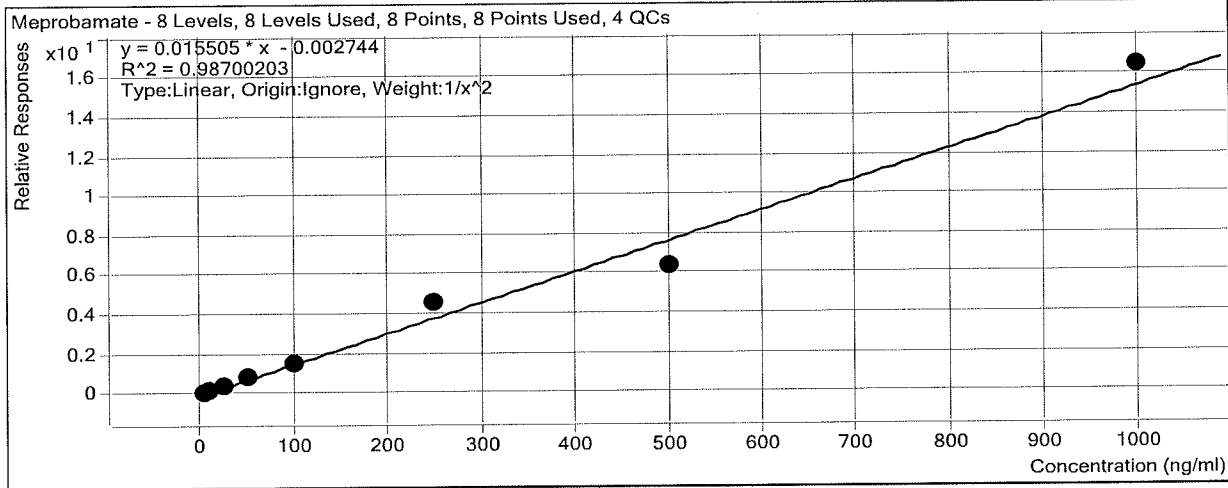
**Batch Data Path**  
**Last Calib Update**

D:\2018 Data\092018 mdq\QuantResults\mdq p1a.batch.bin  
9/21/2018 8:42 AM

**Analyst Name**

ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	103.6
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.4	93.7
a QC 10	2	<input checked="" type="checkbox"/>	10	8.6	86.4
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.2	96.7
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.2	100.5
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.0	100.0
a qc 100	5	<input checked="" type="checkbox"/>	100	97.4	97.4
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	292.4	117.0
a QC 250	6	<input checked="" type="checkbox"/>	250	257.7	103.1
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	412.5	82.5
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1060.9	106.1
a qc 1000	8	<input checked="" type="checkbox"/>	1000	996.0	99.6

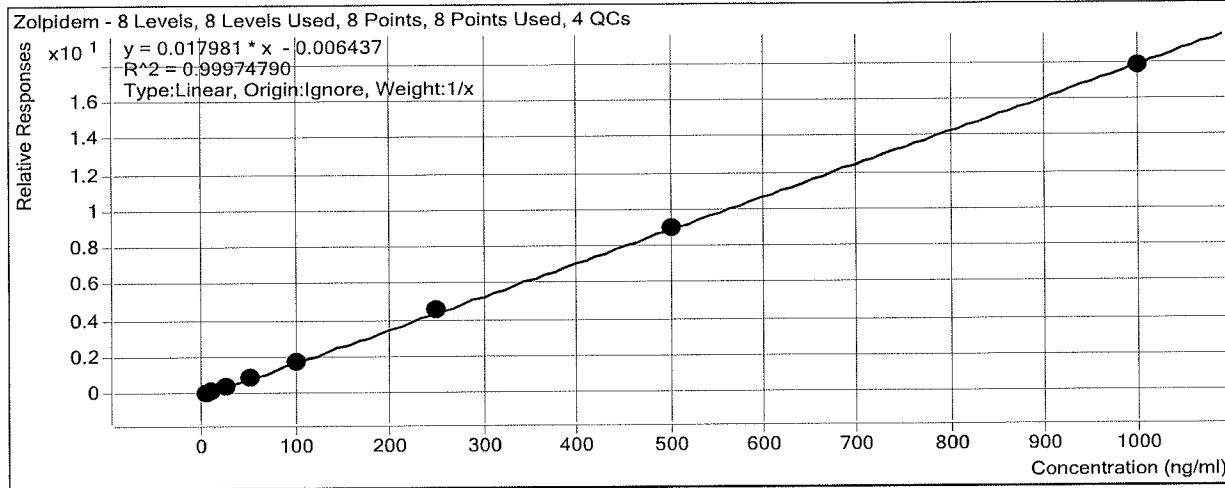
# ISP Forensics Calibration Curve Report

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

D:\2018 Data\092018 mdq\QuantResults\mdq p1a.batch.bin  
9/21/2018 8:42 AM

**Analyst Name**                      ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	101.0
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	100.5
a QC 10	2	<input checked="" type="checkbox"/>	10	9.9	98.6
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.6	94.5
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.5	100.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.5	100.5
a qc 100	5	<input checked="" type="checkbox"/>	100	96.4	96.4
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	257.7	103.1
a QC 250	6	<input checked="" type="checkbox"/>	250	245.5	98.2
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	503.0	100.6
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	989.6	99.0
a qc 1000	8	<input checked="" type="checkbox"/>	1000	984.0	98.4

# ISP Forensics Calibration Curve Report

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

D:\2018 Data\092018 mdq\QuantResults\mdq p1a.batch.bin  
9/21/2018 8:42 AM

**Analyst Name**

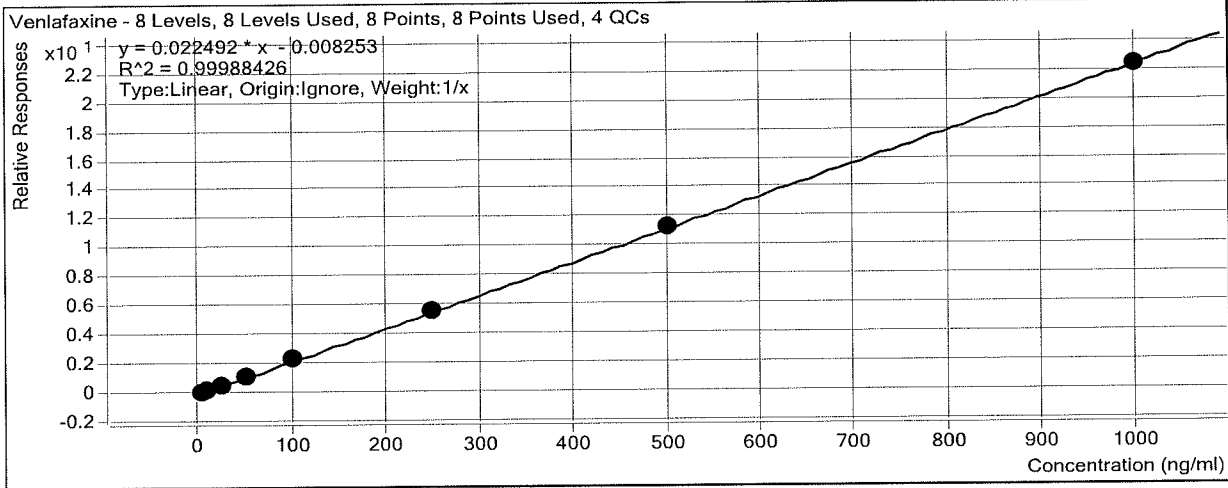
ISP TOX

**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	5.1	103.0
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	98.1
a QC 10	2	<input checked="" type="checkbox"/>	10	10.2	101.7
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.7	94.7
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.9	101.7
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.7	101.7
a qc 100	5	<input checked="" type="checkbox"/>	100	101.0	101.0
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	252.1	100.8
a QC 250	6	<input checked="" type="checkbox"/>	250	263.9	105.6
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	503.4	100.7
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	993.4	99.3
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1023.3	102.3



# ISP Forensics Calibration Curve Report

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

D:\2018 Data\092018 mdq\QuantResults\mdq p1a.batch.bin  
9/21/2018 8:42 AM

**Analyst Name**

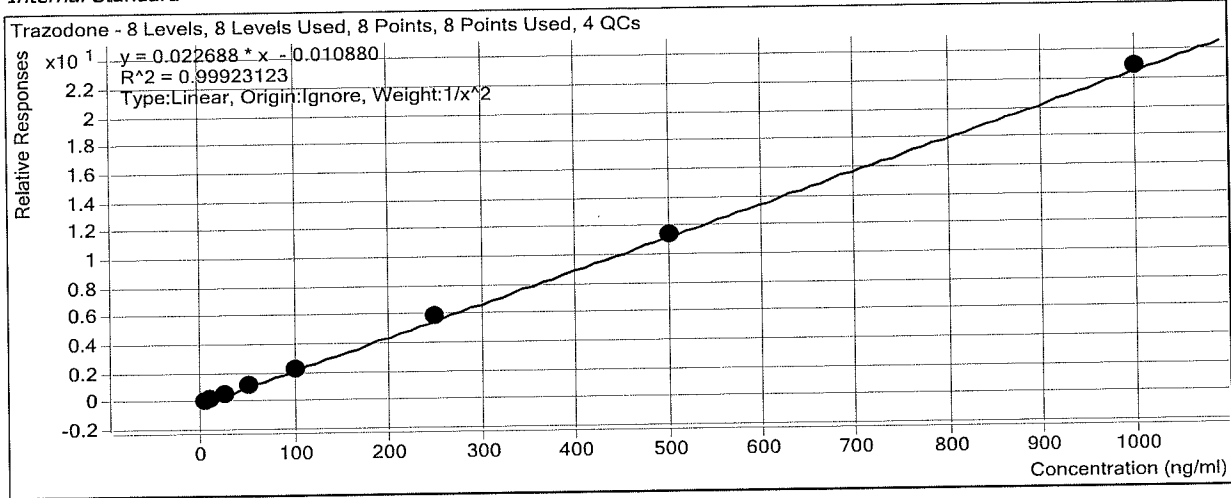
ISP TOX

**Target Compound**

*Trazodone*

**Internal Standard**

*Trazodone-D6*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	101.4
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	99.8
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.5	97.8
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.6	101.1
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	96.4	96.4
a qc 100	5	<input checked="" type="checkbox"/>	100	97.7	97.7
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	259.4	103.8
a QC 250	6	<input checked="" type="checkbox"/>	250	242.9	97.1
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	502.4	100.5
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1010.0	101.0
a qc 1000	8	<input checked="" type="checkbox"/>	1000	911.4	91.1

# ISP Forensics Calibration Curve Report

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

D:\2018 Data\092018 mdq\QuantResults\mdq p1a.batch.bin  
9/21/2018 8:42 AM

**Analyst Name**

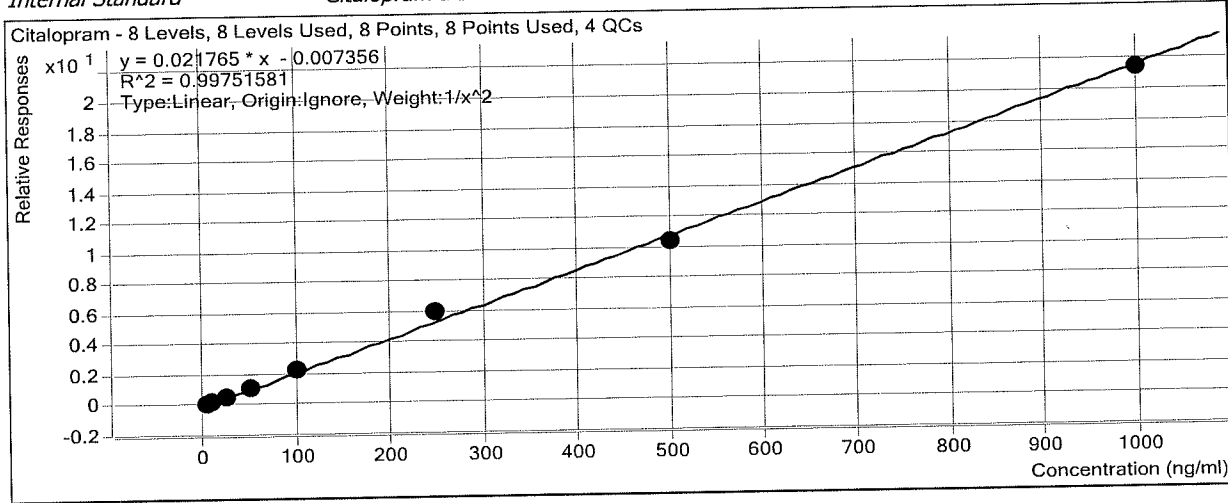
ISP TOX

**Target Compound**

*Citalopram*

**Internal Standard**

*Citalopram-D6*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	101.0
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	99.0
a QC 10	2	<input checked="" type="checkbox"/>	10	9.5	95.2
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.2	96.7
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.5	98.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.7	101.7
a qc 100	5	<input checked="" type="checkbox"/>	100	96.8	96.8
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	273.1	109.2
a QC 250	6	<input checked="" type="checkbox"/>	250	251.5	100.6
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	474.4	94.9
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	984.4	98.4
a qc 1000	8	<input checked="" type="checkbox"/>	1000	986.3	98.6

# ISP Forensics Calibration Curve Report

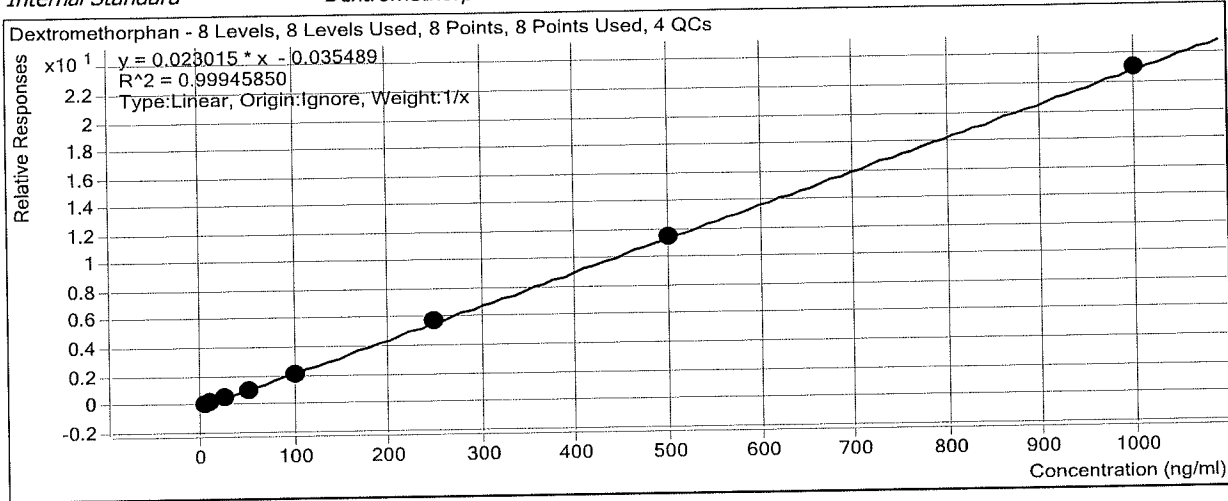
**Batch Data Path**  
**Last Calib Update**

D:\2018 Data\092018 mdq\QuantResults\mdq p1a.batch.bin  
9/21/2018 8:42 AM

**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	5.5	110.8
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.9	108.9
a QC 10	2	<input checked="" type="checkbox"/>	10	10.1	101.2
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.5	89.8
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.6	93.2
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	95.0	95.0
a qc 100	5	<input checked="" type="checkbox"/>	100	93.7	93.7
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	253.5	101.4
a QC 250	6	<input checked="" type="checkbox"/>	250	238.3	95.3
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	503.2	100.6
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1002.8	100.3
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1035.2	103.5

# ISP Forensics Calibration Curve Report

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

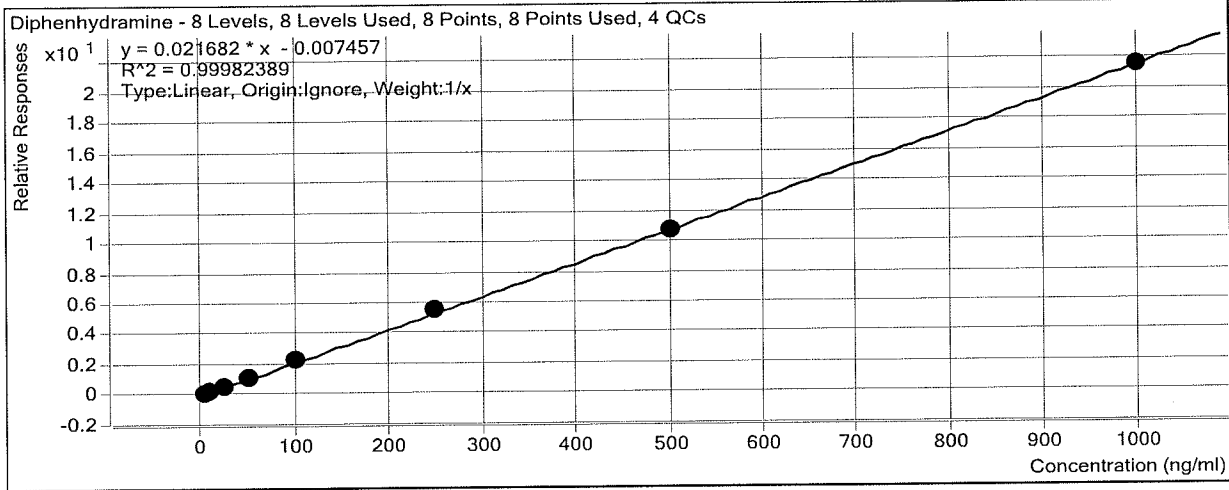
D:\2018 Data\092018 mdq\QuantResults\mdq p1a.batch.bin  
9/21/2018 8:42 AM

**Analyst Name**

ISP TOX

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

*Diphenhydramine*  
*Diphenhydramine-D3*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	101.3
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	96.8
a QC 10	2	<input checked="" type="checkbox"/>	10	10.1	100.6
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.6	98.5
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.4	98.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.4	103.4
a qc 100	5	<input checked="" type="checkbox"/>	100	102.8	102.8
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	255.7	102.3
a QC 250	6	<input checked="" type="checkbox"/>	250	242.3	96.9
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	497.3	99.5
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	994.8	99.5
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1003.9	100.4

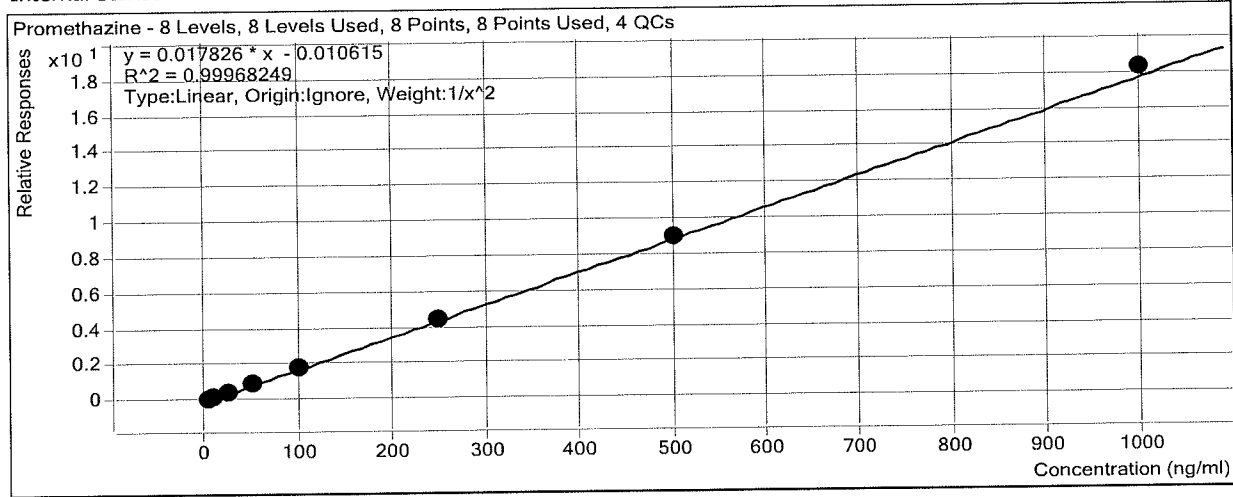
# ISP Forensics Calibration Curve Report

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

D:\2018 Data\092018 mdq\QuantResults\mdq p1a.batch.bin  
9/21/2018 8:42 AM

**Analyst Name**                      ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	101.1
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	98.6
a QC 10	2	<input checked="" type="checkbox"/>	10	10.2	101.8
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.5	98.2
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.6	99.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.7	99.7
a qc 100	5	<input checked="" type="checkbox"/>	100	98.6	98.6
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	247.7	99.1
a QC 250	6	<input checked="" type="checkbox"/>	250	254.6	101.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	506.6	101.3
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1026.5	102.6
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1009.1	100.9

# ISP Forensics Calibration Curve Report

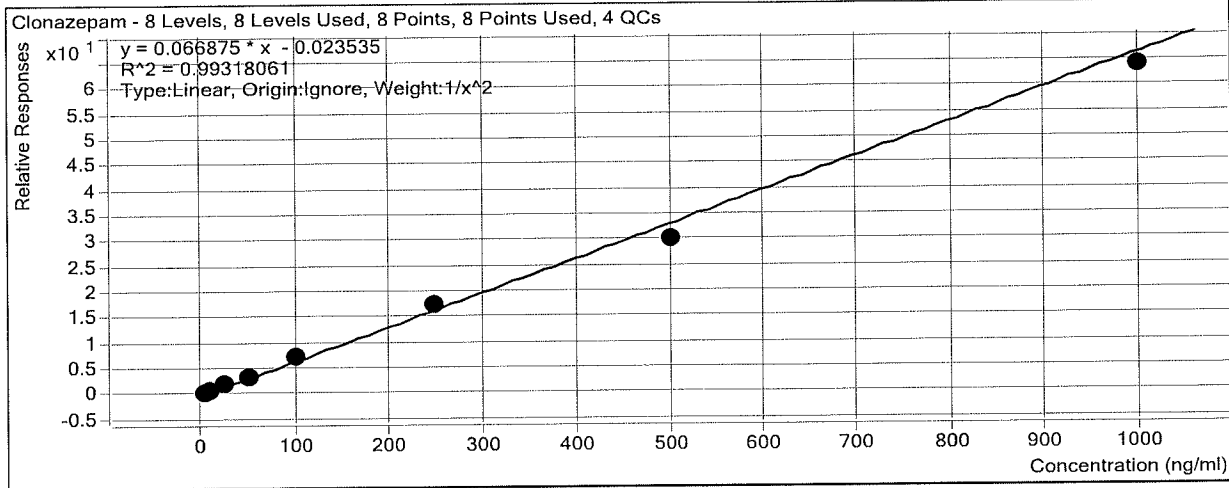
**Batch Data Path**  
**Last Calib Update**

D:\2018 Data\092018 mdq\QuantResults\mdq p1a.batch.bin  
9/21/2018 8:42 AM

**Analyst Name**

ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.7	93.7
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	11.1	111.2
a QC 10	2	<input checked="" type="checkbox"/>	10	10.8	107.9
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.1	104.5
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.0	96.0
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	105.3	105.3
a qc 100	5	<input checked="" type="checkbox"/>	100	125.1	125.1
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	259.0	103.6
a QC 250	6	<input checked="" type="checkbox"/>	250	278.6	111.4
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	449.7	89.9
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	957.1	95.7
a qc 1000	8	<input checked="" type="checkbox"/>	1000	922.3	92.2

# ISP Forensics Calibration Curve Report

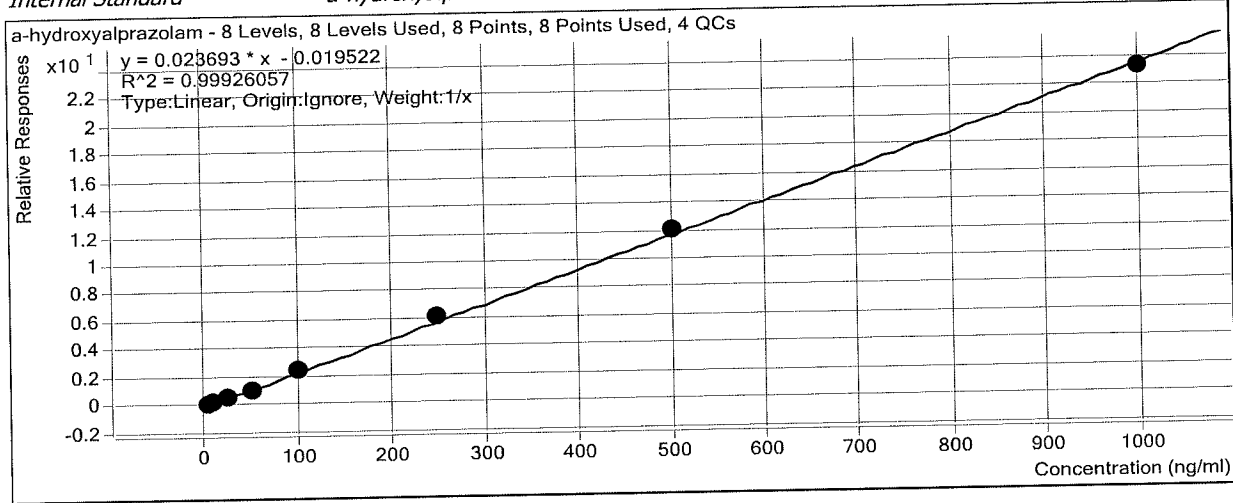
**Batch Data Path**  
**Last Calib Update**

D:\2018 Data\092018 mdq\QuantResults\mdq p1a.batch.bin  
9/21/2018 8:42 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	5.7	113.4
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.0	90.2
a QC 10	2	<input checked="" type="checkbox"/>	10	10.4	103.6
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.0	96.0
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.7	93.4
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.7	103.7
a qc 100	5	<input checked="" type="checkbox"/>	100	92.7	92.7
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	257.5	103.0
a QC 250	6	<input checked="" type="checkbox"/>	250	211.0	84.4
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	510.3	102.1
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	983.1	98.3
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1071.5	107.1

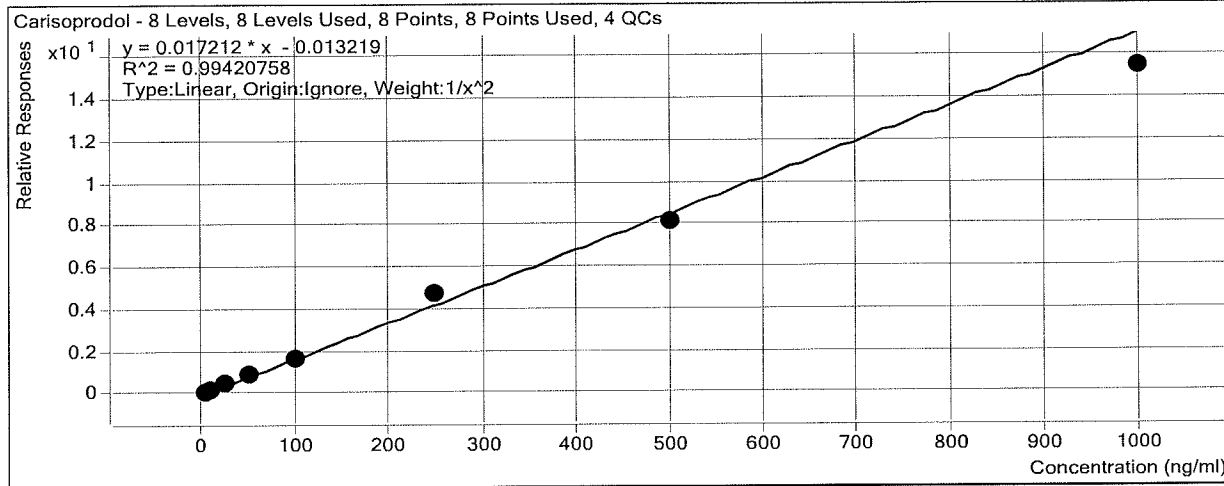
# ISP Forensics Calibration Curve Report

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

D:\2018 Data\092018 mdq\QuantResults\mdq p1a.batch.bin  
9/21/2018 8:42 AM

**Analyst Name**                      ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	99.4
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	99.0
a QC 10	2	<input checked="" type="checkbox"/>	10	10.7	107.3
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.6	102.5
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.9	105.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.8	97.8
a qc 100	5	<input checked="" type="checkbox"/>	100	93.9	93.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	278.1	111.3
a QC 250	6	<input checked="" type="checkbox"/>	250	238.5	95.4
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	471.5	94.3
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	899.3	89.9
a qc 1000	8	<input checked="" type="checkbox"/>	1000	957.3	95.7



# ISP Forensics Calibration Curve Report

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

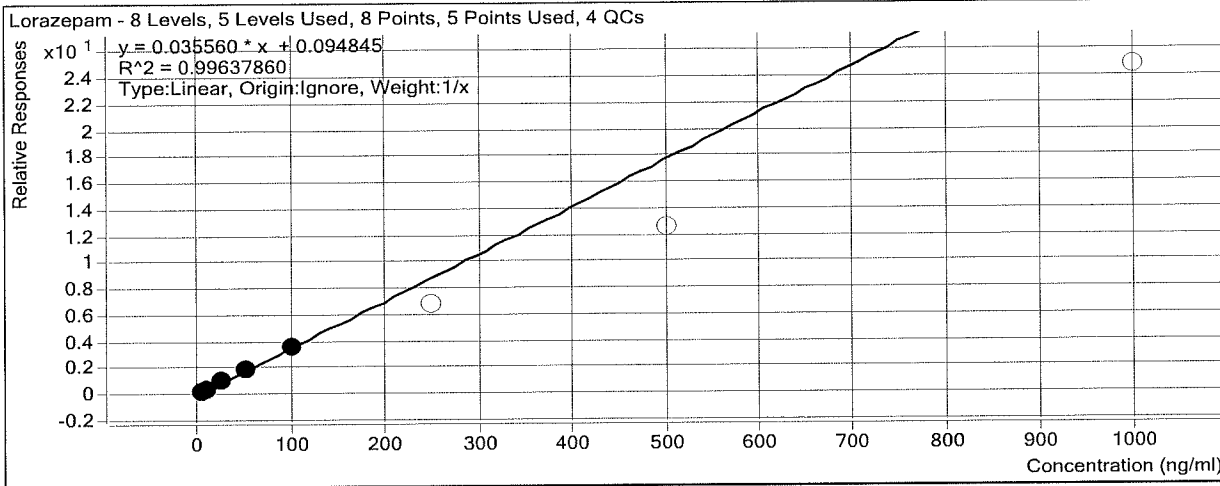
D:\2018 Data\092018 mdq\QuantResults\mdq p1a.batch.bin  
9/21/2018 8:42 AM

**Analyst Name**

ISP TOX

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

*Lorazepam*  
*a-hydroxyalprazolam-D5*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.7	93.3
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	97.3
a QC 10	2	<input checked="" type="checkbox"/>	10	10.3	103.3
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	27.3	109.3
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.9	103.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	96.4	96.4
a qc 100	5	<input checked="" type="checkbox"/>	100	87.0	87.0
a cal 6-250ng	6	<input type="checkbox"/>	250	187.7	75.1
a QC 250	6	<input type="checkbox"/>	250	159.4	63.7
a cal 7-500ng	7	<input type="checkbox"/>	500	353.6	70.7
a cal 8-1000ng	8	<input type="checkbox"/>	1000	694.5	69.5
a qc 1000	8	<input type="checkbox"/>	1000	720.7	72.1

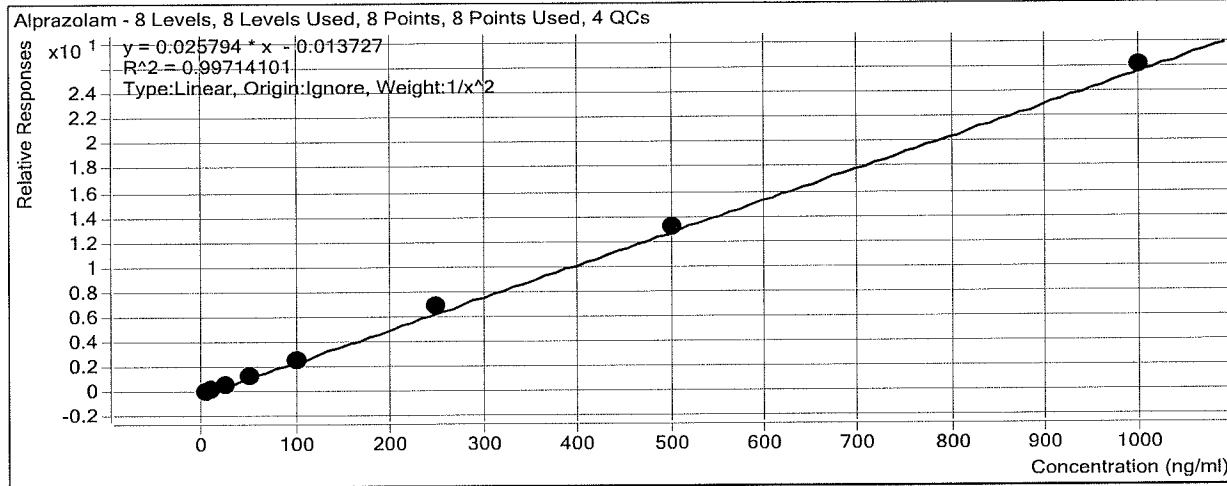
# ISP Forensics Calibration Curve Report

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

D:\2018 Data\092018 mdq\QuantResults\mdq p1a.batch.bin  
9/21/2018 8:42 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	5.2	104.5
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.3	93.5
a QC 10	2	<input checked="" type="checkbox"/>	10	10.2	102.2
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.6	94.5
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.5	96.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.1	100.1
a qc 100	5	<input checked="" type="checkbox"/>	100	101.8	101.8
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	265.4	106.2
a QC 250	6	<input checked="" type="checkbox"/>	250	239.9	95.9
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	514.8	103.0
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1013.4	101.3
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1096.7	109.7

# ISP FORENSICS - Cd'A Instrument # 62340

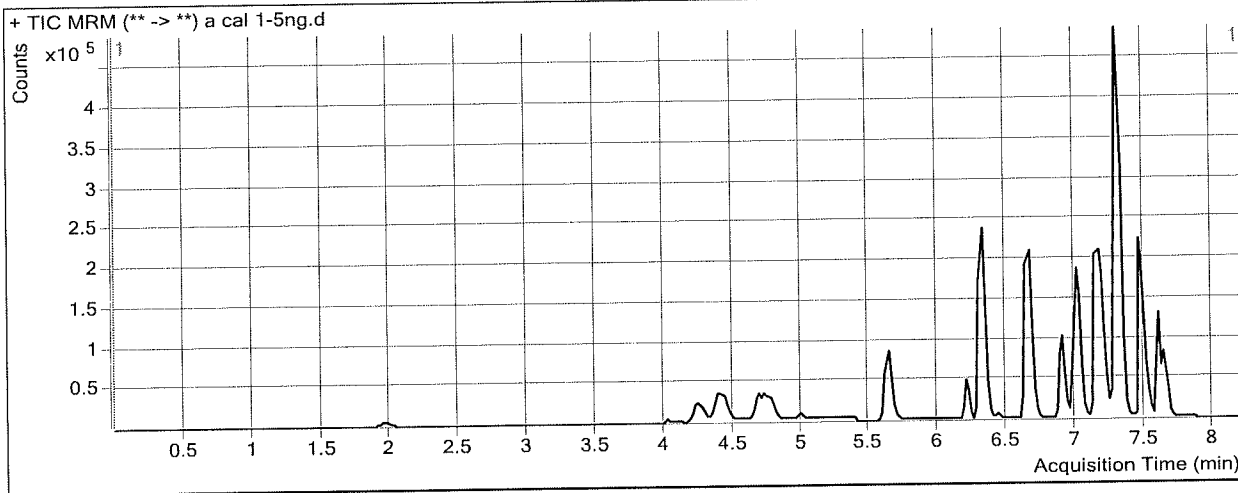
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	D:\2018 Data\092018 mdq\QuantResults\mdq p1a.batch.bin		
<b>Analysis Time</b>	9/21/2018 8:42 AM	<b>Analyst Name</b>	ISP Tox
<b>Report Time</b>	9/21/2018 8:53 AM	<b>Reporter Name</b>	ISP Tox
<b>Last Calib Update</b>	9/21/2018 8:42 AM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2018-09-20 12:03	<b>Data File</b>	a cal 1-5ng.d
<b>Sample Type</b>	Calibration	<b>Sample Name</b>	a cal 1-5ng
<b>Dilution</b>	1	<b>Acq Method</b>	a1 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
Morphine	Morphine-D6	1.328	815	1638	0.4977	6.3692
Hydromorphone	Hydromorphone-D6	1.989	3765	26735	0.1408	5.2276
Codeine	Codeine-D6	4.115	1922	15729	0.1222	6.3332
Amphetamine	Amphetamine-D11	4.403	60442	101970	0.5927	3.8391
Oxycodone	Oxycodone-D6	4.469	10325	103412	0.0998	5.2292
Norhydrocodone	Norhydrocodone-D3	4.818	568	32613	0.0174	10.8196
Hydrocodone	Hydrocodone-D6	4.794	6771	79936	0.0847	4.7985
Methamphetamine	Methamphetamine-D11	4.802	22264	119973	0.1856	5.2955
6-MAM	6-MAM-D6	5.008	232	19641	0.0118	0.3796
Phentermine	Phentermine-D5	5.686	9001	282629	0.0318	5.1154
Dextrophan	Dextrophan-D3	6.204	7658	119940	0.0638	5.2346
7-aminoclonazepam	7-Aminoclonazepam-D4	6.331	9863	82692	0.1193	5.0288
Tramadol	Tramadol-13C-D3	6.323	61489	587254	0.1047	4.9744
Doxylamine	Doxylamine-D5	6.682	60372	594723	0.1015	5.0304
Metoprolol	Oxycodone-D6	6.437	8589	103412	0.0831	5.2361
Bupropion	Bupropion-D9	6.930	31428	284988	0.1103	5.0946
Meprobamate	Meprobamate-D7	7.012	7864	101417	0.0775	5.1782
Zolpidem	Zolpidem-D6	7.021	35477	420607	0.0843	5.0489
Venlafaxine	Venlafaxine-D6	7.165	57619	535797	0.1075	5.1481
Trazodone	Trazodone-D6	7.215	30189	289769	0.1042	5.0716
Citalopram	Citalopram-D6	7.278	41522	404692	0.1026	5.0521
Dextromethorphan	Dextromethorphan-D3	7.309	9794	106489	0.0920	5.5384
Diphenhydramine	Diphenhydramine-D3	7.312	77739	759716	0.1023	5.0635

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

*Pla cal 1*

<b>Compound</b>	<b>ISTD Compound</b>	<b>RT</b>	<b>Response</b>	<b>ISTD Resp</b>	<b>Resp Ratio</b>	<b>Final Conc</b>
Promethazine	Promethazine-D3	7.467	41505	521887	0.0795	5.0569
Clonazepam	Clonazepam-D4	7.523	9383	32385	0.2897	4.6842
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.581	2448	21327	0.1148	5.6678
Carisoprodol	Carisoprodol-D7	7.612	17577	243019	0.0723	4.9701
Lorazepam	a-hydroxyalprazolam-D5	7.623	5561	21327	0.2607	4.6650
Alprazolam	Alprazolam-D5	7.647	15363	126912	0.1211	5.2253



# ISP FORENSICS - Cd'A Instrument # 62340

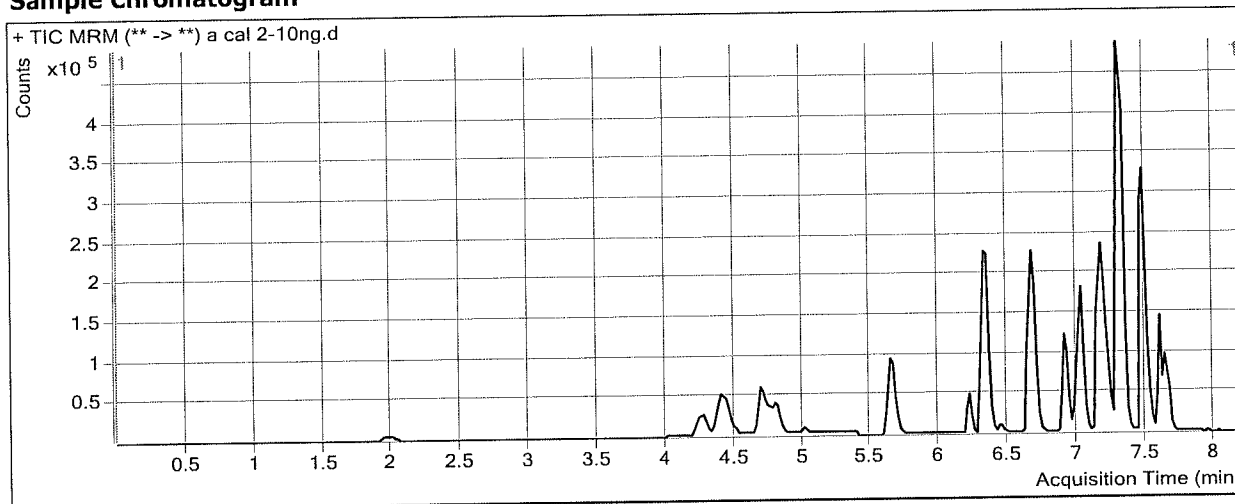
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	D:\2018 Data\092018 mdq\QuantResults\mdq p1a.batch.bin		
<b>Analysis Time</b>	9/21/2018 8:42 AM	<b>Analyst Name</b>	ISP Tox
<b>Report Time</b>	9/21/2018 8:53 AM	<b>Reporter Name</b>	ISP Tox
<b>Last Calib Update</b>	9/21/2018 8:42 AM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2018-09-20 12:29	<b>Data File</b>	a cal 2-10ng.d
<b>Sample Type</b>	Calibration	<b>Sample Name</b>	a cal 2-10ng
<b>Dilution</b>	1	<b>Acq Method</b>	a1 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



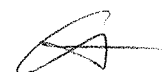
### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.328	1520	1709	0.8892	9.6404
Hydromorphone	Hydromorphone-D6	2.009	6955	26239	0.2650	9.4002
Codeine	Codeine-D6	4.115	3351	14550	0.2303	9.9817
Amphetamine	Amphetamine-D11	4.423	109115	110187	0.9903	9.4443
Oxycodone	Oxycodone-D6	4.489	18925	98071	0.1930	9.4562
Norhydrocodone	Norhydrocodone-D3	4.818	834	28959	0.0288	13.4313
Hydrocodone	Hydrocodone-D6	4.794	12273	75548	0.1625	9.3017
Methamphetamine	Methamphetamine-D11	4.821	63296	231957	0.2729	8.7052
6-MAM	6-MAM-D6	5.028	509	17432	0.0292	0.9746
Phentermine	Phentermine-D5	5.706	20884	335817	0.0622	9.8930
Dextroprphan	Dextroprphan-D3	6.224	13511	111544	0.1211	9.3434
7-aminoclonazepam	7-Aminoclonazepam-D4	6.331	19083	83216	0.2293	9.6070
Tramadol	Tramadol-13C-D3	6.341	112825	556539	0.2027	9.8006
Doxylamine	Doxylamine-D5	6.682	112024	571895	0.1959	9.8292
Metoprolol	Oxycodone-D6	6.457	14941	98071	0.1524	9.3162
Bupropion	Bupropion-D9	6.930	67938	304615	0.2230	9.8019
Meprobamate	Meprobamate-D7	7.033	12762	89520	0.1426	9.3718
Zolpidem	Zolpidem-D6	7.041	65950	378591	0.1742	10.0458
Venlafaxine	Venlafaxine-D6	7.165	106236	500292	0.2123	9.8078
Trazodone	Trazodone-D6	7.215	64965	307294	0.2114	9.7976
Citalopram	Citalopram-D6	7.278	81455	391270	0.2082	9.9030
Dextromethorphan	Dextromethorphan-D3	7.309	21013	97649	0.2152	10.8923
Diphenhydramine	Diphenhydramine-D3	7.332	149359	737585	0.2025	9.6835

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

*fla cal 2*

<b>Compound</b>	<b>ISTD Compound</b>	<b>RT</b>	<b>Response</b>	<b>ISTD Resp</b>	<b>Resp Ratio</b>	<b>Final Conc</b>
Promethazine	Promethazine-D3	7.487	124262	752322	0.1652	9.8612
Clonazepam	Clonazepam-D4	7.523	18469	25650	0.7200	11.1190
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.581	4245	21869	0.1941	9.0172
Carisoprodol	Carisoprodol-D7	7.612	31430	199934	0.1572	9.9010
Lorazepam	a-hydroxyalprazolam-D5	7.623	9637	21869	0.4407	9.7257
Alprazolam	Alprazolam-D5	7.647	27617	121468	0.2274	9.3466



# ISP FORENSICS - Cd'A Instrument # 62340

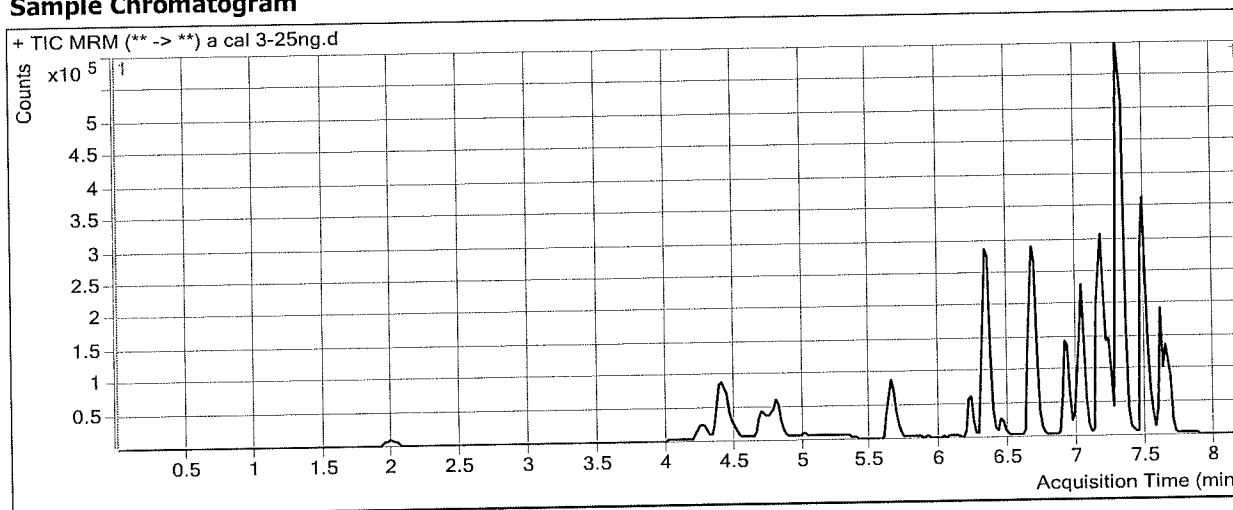
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	D:\2018 Data\092018 mdq\QuantResults\mdq p1a.batch.bin	<b>Analyst Name</b>	ISP Tox
<b>Analysis Time</b>	9/21/2018 8:42 AM	<b>Reporter Name</b>	ISP Tox
<b>Report Time</b>	9/21/2018 8:53 AM	<b>Batch State</b>	Processed
<b>Last Calib Update</b>	9/21/2018 8:42 AM		

### Analysis Info

<b>Acq Time</b>	2018-09-20 12:54	<b>Data File</b>	a cal 3-25ng.d
<b>Sample Type</b>	Calibration	<b>Sample Name</b>	a cal 3-25ng
<b>Dilution</b>	1	<b>Acq Method</b>	a1 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
Morphine	Morphine-D6	1.328	3605	1470	2.4526	22.7047
Hydromorphone	Hydromorphone-D6	2.009	17041	25256	0.6747	23.1626
Codeine	Codeine-D6	4.115	8433	13548	0.6225	23.2141
Amphetamine	Amphetamine-D11	4.403	226218	99030	2.2843	27.6907
Oxycodone	Oxycodone-D6	4.489	46117	94343	0.4888	22.8837
Norhydrocodone	Norhydrocodone-D3	4.818	2273	27340	0.0831	25.9275
Hydrocodone	Hydrocodone-D6	4.794	31300	72132	0.4339	25.0239
Methamphetamine	Methamphetamine-D11	4.821	109245	157693	0.6928	25.1044
6-MAM	6-MAM-D6	5.028	1230	16614	0.0740	2.5112
Phentermine	Phentermine-D5	5.686	46017	290421	0.1585	25.0508
Dextroprphan	Dextroprphan-D3	6.224	34384	109576	0.3138	23.1650
7-aminoclonazepam	7-Aminoclonazepam-D4	6.331	48269	78198	0.6173	25.7475
Tramadol	Tramadol-13C-D3	6.341	286409	544602	0.5259	25.7129
Doxylamine	Doxylamine-D5	6.682	279990	566686	0.4941	24.9928
Metoprolol	Oxycodone-D6	6.437	36313	94343	0.3849	23.0095
Bupropion	Bupropion-D9	6.930	156517	281346	0.5563	23.7163
Meprobamate	Meprobamate-D7	7.033	32849	88320	0.3719	24.1658
Zolpidem	Zolpidem-D6	7.041	156061	373106	0.4183	23.6200
Venlafaxine	Venlafaxine-D6	7.165	267853	510817	0.5244	23.6798
Trazodone	Trazodone-D6	7.215	158985	292308	0.5439	24.4524
Citalopram	Citalopram-D6	7.278	191208	368612	0.5187	24.1712
Dextromethorphan	Dextromethorphan-D3	7.309	46854	97337	0.4814	22.4574
Diphenhydramine	Diphenhydramine-D3	7.332	364603	692850	0.5262	24.6151

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

*Placal 3*

<b>Compound</b>	<b>ISTD Compound</b>	<b>RT</b>	<b>Response</b>	<b>ISTD Resp</b>	<b>Resp Ratio</b>	<b>Final Conc</b>
Promethazine	Promethazine-D3	7.487	270957	634748	0.4269	24.5420
Clonazepam	Clonazepam-D4	7.523	41451	24048	1.7237	26.1263
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.601	11474	20895	0.5491	24.0014
Carisoprodol	Carisoprodol-D7	7.612	80544	188201	0.4280	25.6321
Lorazepam	a-hydroxyalprazolam-D5	7.623	22276	20895	1.0661	27.3140
Alprazolam	Alprazolam-D5	7.647	68464	114922	0.5957	23.6284





# ISP FORENSICS - Cd'A Instrument # 62340

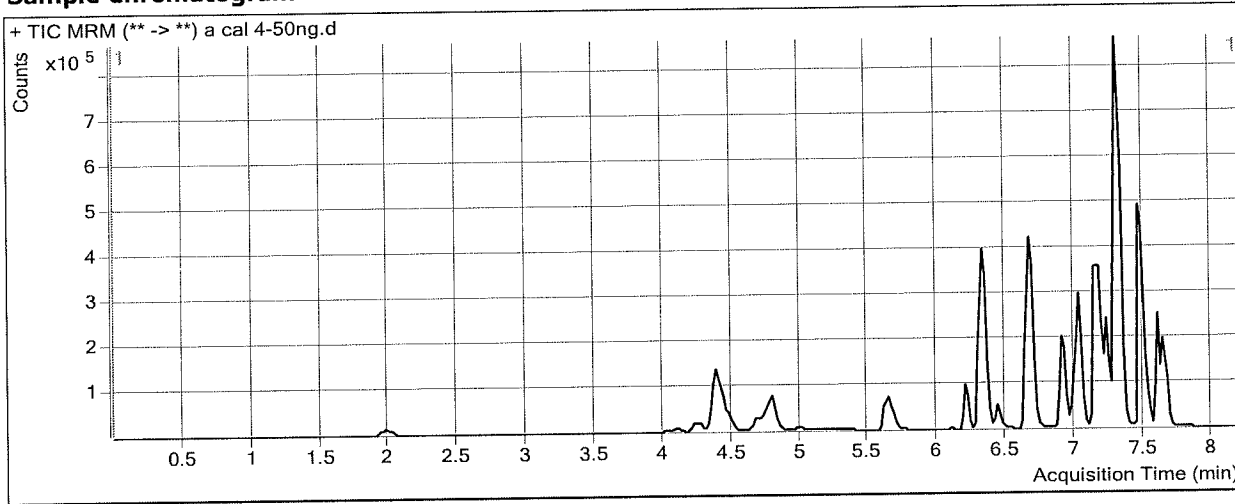
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	D:\2018 Data\092018 mdq\QuantResults\mdq p1a.batch.bin		
<b>Analysis Time</b>	9/21/2018 8:42 AM	<b>Analyst Name</b>	ISP Tox
<b>Report Time</b>	9/21/2018 8:53 AM	<b>Reporter Name</b>	ISP Tox
<b>Last Calib Update</b>	9/21/2018 8:42 AM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2018-09-20 13:20	<b>Data File</b>	a cal 4-50ng.d
<b>Sample Type</b>	Calibration	<b>Sample Name</b>	a cal 4-50ng
<b>Dilution</b>	1	<b>Acq Method</b>	a1 mdq 618.m
<b>Position</b>	P2-D1	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	AM 28 Panel 1

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.328	7296	1355	5.3829	47.1911
Hydromorphone	Hydromorphone-D6	1.989	33038	22795	1.4494	49.1846
Codeine	Codeine-D6	4.115	16195	12793	1.2660	44.9294
Amphetamine	Amphetamine-D11	4.403	343647	87385	3.9325	50.9308
Oxycodone	Oxycodone-D6	4.469	93556	86023	1.0876	50.0588
Norhydrocodone	Norhydrocodone-D3	4.799	4368	24758	0.1764	47.3768
Hydrocodone	Hydrocodone-D6	4.794	58740	68647	0.8557	49.4517
Methamphetamine	Methamphetamine-D11	4.802	131888	98021	1.3455	50.5974
6-MAM	6-MAM-D6	5.008	2573	15605	0.1649	5.6235
Phentermine	Phentermine-D5	5.686	80472	246866	0.3260	51.4297
Dextroprphan	Dextroprphan-D3	6.204	70956	102701	0.6909	50.2184
7-aminoclonazepam	7-Aminoclonazepam-D4	6.331	91259	72310	1.2621	52.5744
Tramadol	Tramadol-13C-D3	6.341	559381	529174	1.0571	51.8666
Doxylamine	Doxylamine-D5	6.682	526623	531736	0.9904	50.2299
Metoprolol	Oxycodone-D6	6.437	72673	86023	0.8448	50.0887
Bupropion	Bupropion-D9	6.930	291682	248033	1.1760	49.5867
Meprobamate	Meprobamate-D7	7.012	65351	84203	0.7761	50.2340
Zolpidem	Zolpidem-D6	7.021	320876	356186	0.9009	50.4589
Venlafaxine	Venlafaxine-D6	7.165	526558	463680	1.1356	50.8554
Trazodone	Trazodone-D6	7.215	309167	272108	1.1362	50.5587
Citalopram	Citalopram-D6	7.278	370307	346303	1.0693	49.4686
Dextromethorphan	Dextromethorphan-D3	7.309	93673	90342	1.0369	46.5947
Diphenhydramine	Diphenhydramine-D3	7.312	699981	658070	1.0637	49.4035

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

*Placal 4*

<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	7.467	565042	646343	0.8742	49.6365
Clonazepam	Clonazepam-D4	7.523	73181	22959	3.1874	48.0147
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.581	20245	18632	1.0866	46.6849
Carisoprodol	Carisoprodol-D7	7.612	146301	163003	0.8975	52.9130
Lorazepam	a-hydroxyalprazolam-D5	7.623	36148	18632	1.9401	51.8913
Alprazolam	Alprazolam-D5	7.647	128130	103622	1.2365	48.4702



# ISP FORENSICS - Cd'A Instrument # 62340

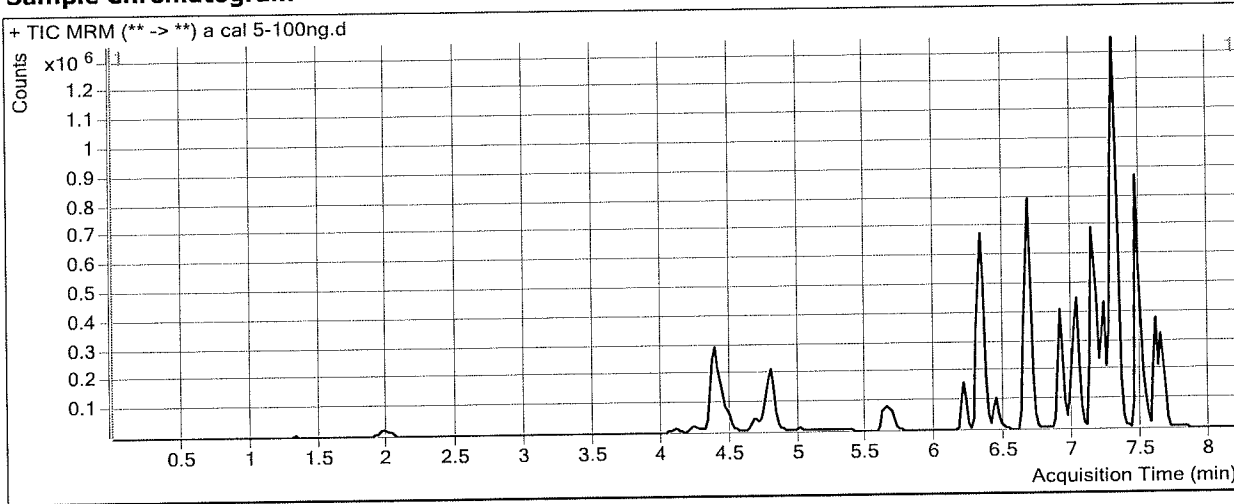
## Multi-Drug Confirmatory Analysis Report

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<b>Analysis Time</b>	9/21/2018 8:42 AM	<b>Reporter Name</b>	ISP Tox
<b>Report Time</b>	9/21/2018 8:53 AM	<b>Batch State</b>	Processed
<b>Last Calib Update</b>	9/21/2018 8:42 AM		

### Analysis Info

<b>Acq Time</b>	2018-09-20 13:45	<b>Data File</b>	a cal 5-100ng.d
<b>Sample Type</b>	Calibration	<b>Sample Name</b>	a cal 5-100ng
<b>Dilution</b>	1	<b>Acq Method</b>	a1 mdq 618.m
<b>Position</b>	P2-E1	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	AM 28 Panel 1

### Sample Chromatogram



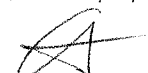
### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.328	14338	1338	10.7196	91.7856
Hydromorphone	Hydromorphone-D6	1.989	68486	23352	2.9327	99.0135
Codeine	Codeine-D6	4.095	34127	12156	2.8074	96.9466
Amphetamine	Amphetamine-D11	4.403	764932	94024	8.1355	110.1930
Oxycodone	Oxycodone-D6	4.469	190365	87899	2.1657	98.9932
Norhydrocodone	Norhydrocodone-D3	4.818	9682	25446	0.3805	94.2875
Hydrocodone	Hydrocodone-D6	4.794	125307	67301	1.8619	107.7276
Methamphetamine	Methamphetamine-D11	4.802	458448	167030	2.7447	105.2439
6-MAM	6-MAM-D6	5.008	4354	15658	0.2781	9.5027
Phentermine	Phentermine-D5	5.686	183622	276095	0.6651	104.8245
Dextropropfan	Dextropropfan-D3	6.204	145093	106593	1.3612	98.3031
7-aminoclonazepam	7-Aminoclonazepam-D4	6.331	187774	74094	2.5343	105.5050
Tramadol	Tramadol-13C-D3	6.323	1171133	517219	2.2643	111.3055
Doxylamine	Doxylamine-D5	6.662	1098941	535784	2.0511	104.1670
Metoprolol	Oxycodone-D6	6.437	151720	87899	1.7261	101.9793
Bupropion	Bupropion-D9	6.910	672292	273503	2.4581	103.1132
Meprobamate	Meprobamate-D7	7.012	116797	75429	1.5484	100.0472
Zolpidem	Zolpidem-D6	7.021	652402	362209	1.8012	100.5289
Venlafaxine	Venlafaxine-D6	7.145	1101954	483544	2.2789	101.6862
Trazodone	Trazodone-D6	7.215	627435	288275	2.1765	96.4123
Citalopram	Citalopram-D6	7.278	766707	347409	2.2069	101.7371
Dextromethorphan	Dextromethorphan-D3	7.288	191026	88845	2.1501	94.9657
Diphenhydramine	Diphenhydramine-D3	7.312	1431148	640525	2.2343	103.3963

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

*Plu cal 5*

<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	7.467	1112957	629679	1.7675	99.7476
Clonazepam	Clonazepam-D4	7.523	149185	21252	7.0200	105.3235
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.581	38624	15844	2.4377	103.7135
Carisoprodol	Carisoprodol-D7	7.612	295607	177083	1.6693	97.7517
Lorazepam	a-hydroxyalprazolam-D5	7.623	55819	15844	3.5229	96.4041
Alprazolam	Alprazolam-D5	7.647	256749	99973	2.5682	100.0964



# ISP FORENSICS - Cd'A Instrument # 62340

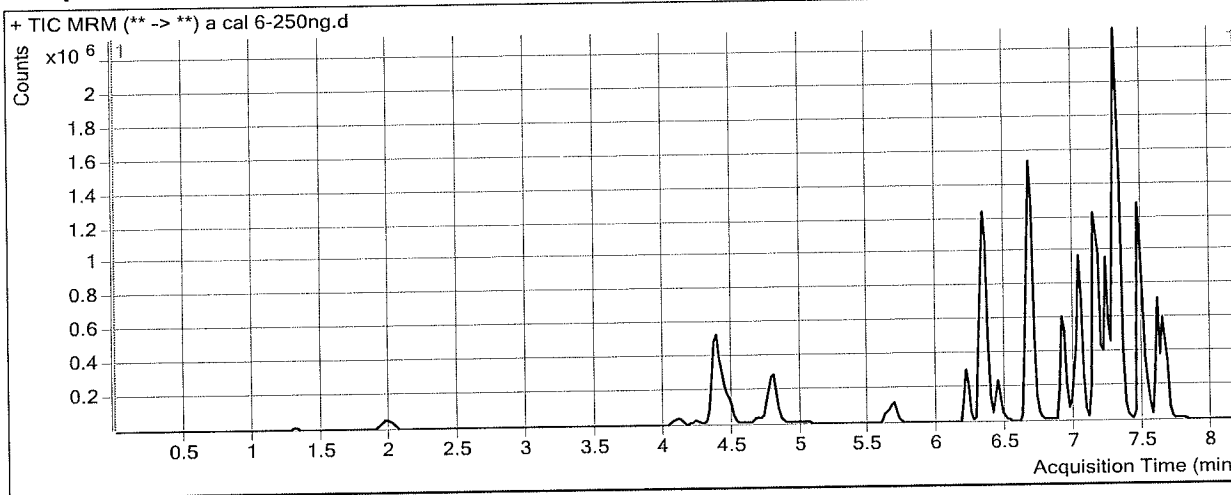
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2018 Data\092018 mdq\QuantResults\mdq p1a.batch.bin  
**Analysis Time** 9/21/2018 8:42 AM **Analyst Name** ISP Tox  
**Report Time** 9/21/2018 8:53 AM **Reporter Name** ISP Tox  
**Last Calib Update** 9/21/2018 8:42 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-09-20 14:11 **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	32236	1111	29.0081	244.6096
Hydromorphone	Hydromorphone-D6	1.989	155396	20100	7.7313	260.2056
Codeine	Codeine-D6	4.095	81260	12060	6.7381	229.5862
Amphetamine	Amphetamine-D11	4.403	1504736	80695	18.6473	258.4106
Oxycodone	Oxycodone-D6	4.469	428204	74514	5.7466	261.5163
Norhydrocodone	Norhydrocodone-D3	4.799	22030	20917	1.0532	248.9499
Hydrocodone	Hydrocodone-D6	4.774	282614	62498	4.5220	261.7922
Methamphetamine	Methamphetamine-D11	4.802	546337	80724	6.7679	262.3732
6-MAM	6-MAM-D6	5.008	10584	15692	0.6745	23.0849
Phentermine	Phentermine-D5	5.686	360525	225324	1.6000	252.0478
Dextrorphan	Dextrorphan-D3	6.204	318501	90123	3.5341	254.1807
7-aminoclonazepam	7-Aminoclonazepam-D4	6.331	376212	59775	6.2938	261.9215
Tramadol	Tramadol-13C-D3	6.323	2725045	500049	5.4496	268.1386
Doxylamine	Doxylamine-D5	6.662	2549073	505829	5.0394	256.1237
Metoprolol	Oxycodone-D6	6.437	345517	74514	4.6369	273.3737
Bupropion	Bupropion-D9	6.910	1212114	196092	6.1814	258.5572
Meprobamate	Meprobamate-D7	7.012	326929	72163	4.5305	292.3792
Zolpidem	Zolpidem-D6	7.021	1541137	333063	4.6272	257.6939
Venlafaxine	Venlafaxine-D6	7.145	2521781	445406	5.6618	252.0859
Trazodone	Trazodone-D6	7.215	1368645	232942	5.8755	259.4488
Citalopram	Citalopram-D6	7.278	1429961	240857	5.9370	273.1168
Dextromethorphan	Dextromethorphan-D3	7.288	395892	68276	5.7984	253.4876
Diphenhydramine	Diphenhydramine-D3	7.312	2902150	524132	5.5371	255.7252

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

*pla 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>
Promethazine	Promethazine-D3	7.467	2222266	504427	4.4055	247.7335
Clonazepam	Clonazepam-D4	7.523	279215	16140	17.2994	259.0345
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.581	78565	12917	6.0821	257.5322
Carisoprodol	Carisoprodol-D7	7.612	591764	123956	4.7740	278.1260
Lorazepam	a-hydroxyalprazolam-D5	7.623	87459	12917	6.7706	187.7339
Alprazolam	Alprazolam-D5	7.647	550687	80591	6.8331	265.4422

*GA*

# ISP FORENSICS - Cd'A Instrument # 62340

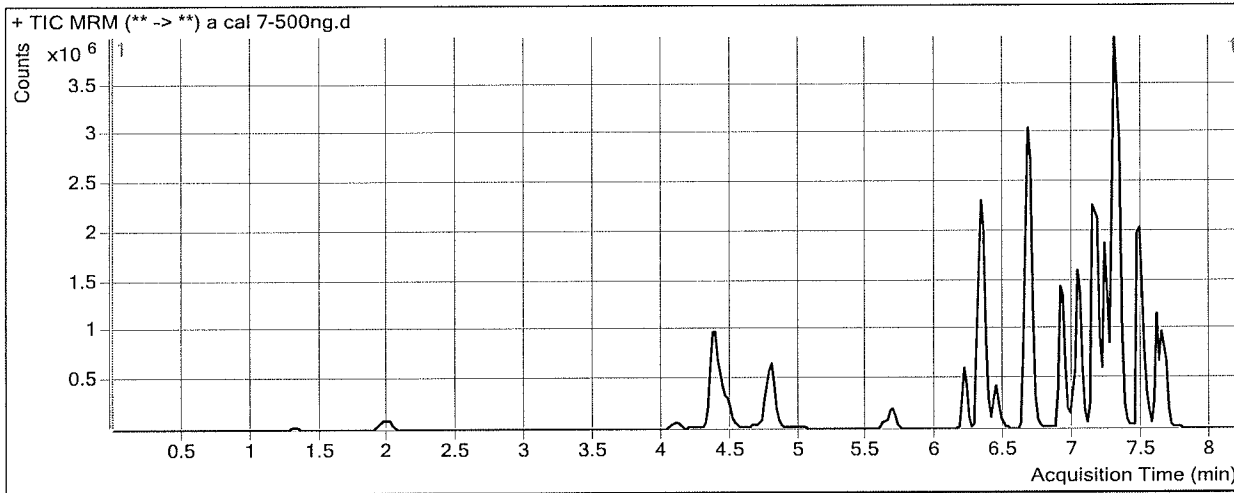
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	D:\2018 Data\092018 mdq\QuantResults\mdq p1a.batch.bin		
<b>Analysis Time</b>	9/21/2018 8:42 AM	<b>Analyst Name</b>	ISP Tox
<b>Report Time</b>	9/21/2018 8:53 AM	<b>Reporter Name</b>	ISP Tox
<b>Last Calib Update</b>	9/21/2018 8:42 AM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2018-09-20 14:36	<b>Data File</b>	a cal 7-500ng.d
<b>Sample Type</b>	Calibration	<b>Sample Name</b>	a cal 7-500ng
<b>Dilution</b>	1	<b>Acq Method</b>	a1 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
Morphine	Morphine-D6	1.328	67732	1146	59.1068	496.1224
Hydromorphone	Hydromorphone-D6	1.989	332512	21849	15.2188	511.7279
Codeine	Codeine-D6	4.115	159715	11022	14.4911	491.2131
Amphetamine	Amphetamine-D11	4.383	2789277	83622	33.3556	465.8006
Oxycodone	Oxycodone-D6	4.469	909993	78511	11.5907	526.7614
Norhydrocodone	Norhydrocodone-D3	4.799	48997	21193	2.3119	538.3453
Hydrocodone	Hydrocodone-D6	4.774	569608	64196	8.8730	513.7899
Methamphetamine	Methamphetamine-D11	4.802	1321573	98375	13.4340	522.7210
6-MAM	6-MAM-D6	5.008	23834	16179	1.4731	50.4517
Phentermine	Phentermine-D5	5.686	679959	218967	3.1053	489.0737
Dextroprorphan	Dextroprorphan-D3	6.204	695194	95505	7.2791	522.8433
7-aminoclonazepam	7-Aminoclonazepam-D4	6.331	674488	58369	11.5555	480.8355
Tramadol	Tramadol-13C-D3	6.323	5619929	590592	9.5158	468.3458
Doxylamine	Doxylamine-D5	6.662	5262947	560530	9.3892	477.3140
Metoprolol	Oxycodone-D6	6.437	656703	78511	8.3645	492.8608
Bupropion	Bupropion-D9	6.910	2912452	250337	11.6341	486.2060
Meprobamate	Meprobamate-D7	7.012	428212	66987	6.3925	412.4747
Zolpidem	Zolpidem-D6	7.021	3060695	338654	9.0378	502.9893
Venlafaxine	Venlafaxine-D6	7.145	5414393	478571	11.3137	503.3672
Trazodone	Trazodone-D6	7.215	2852449	250503	11.3869	502.3715
Citalopram	Citalopram-D6	7.278	2595965	251605	10.3176	474.3889
Dextromethorphan	Dextromethorphan-D3	7.309	787111	68171	11.5462	503.2322
Diphenhydramine	Diphenhydramine-D3	7.312	5714181	530330	10.7748	497.2998

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

plc cal 7

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Promethazine	Promethazine-D3	7.487	4421220	490145	9.0202	506.6065
Clonazepam	Clonazepam-D4	7.523	380809	12672	30.0523	449.7320
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.581	131471	10891	12.0712	510.3170
Carisoprodol	Carisoprodol-D7	7.612	985156	121580	8.1030	471.5333
Lorazepam	a-hydroxyalprazolam-D5	7.623	137966	10891	12.6676	353.5666
Alprazolam	Alprazolam-D5	7.647	989540	74596	13.2653	514.8080





# ISP FORENSICS - Cd'A Instrument # 62340

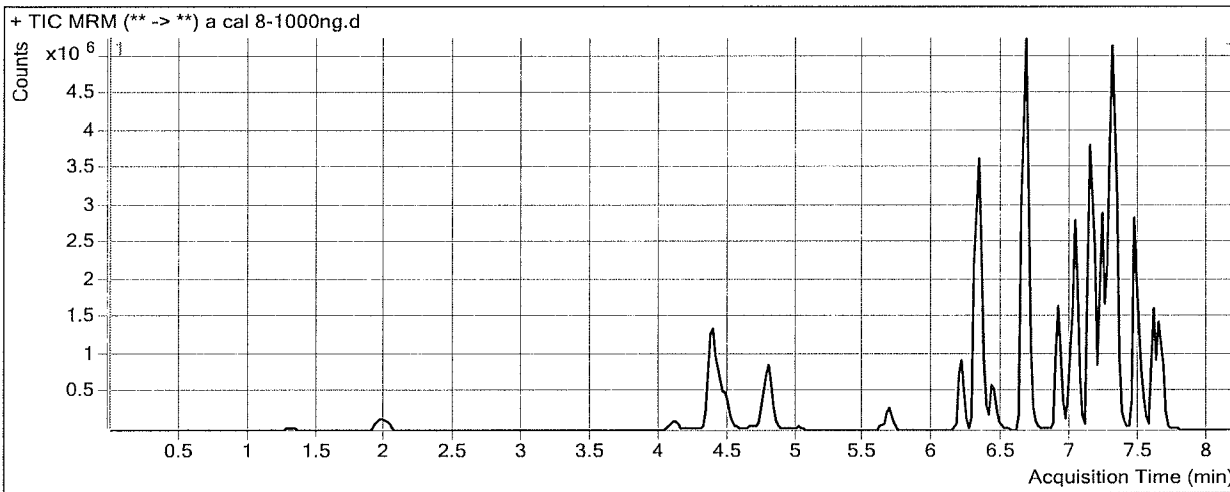
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	D:\2018 Data\092018 mdq\QuantResults\mdq p1a.batch.bin		
<b>Analysis Time</b>	9/21/2018 8:42 AM	<b>Analyst Name</b>	ISP Tox
<b>Report Time</b>	9/21/2018 8:53 AM	<b>Reporter Name</b>	ISP Tox
<b>Last Calib Update</b>	9/21/2018 8:42 AM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2018-09-20 15:01	<b>Data File</b>	a cal 8-1000ng.d
<b>Sample Type</b>	Calibration	<b>Sample Name</b>	a cal 8-1000ng
<b>Dilution</b>	1	<b>Acq Method</b>	a1 mdq 618.m
<b>Position</b>	P2-H1	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	AM 28 Panel 1

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.328	109257	896	121.9883	1021.5770
Hydromorphone	Hydromorphone-D6	1.989	556322	17809	31.2385	1049.8610
Codeine	Codeine-D6	4.115	263406	8583	30.6885	1037.7956
Amphetamine	Amphetamine-D11	4.403	3678192	59842	61.4651	862.1483
Oxycodone	Oxycodone-D6	4.469	1500854	65240	23.0050	1044.8174
Norhydrocodone	Norhydrocodone-D3	4.818	89102	15714	5.6702	1310.4351
Hydrocodone	Hydrocodone-D6	4.774	943227	56422	16.7174	968.1145
Methamphetamine	Methamphetamine-D11	4.802	1473663	63329	23.2700	906.8724
6-MAM	6-MAM-D6	5.008	40415	13660	2.9586	101.3514
Phentermine	Phentermine-D5	5.686	1007792	167857	6.0039	945.4925
Dextrophan	Dextrophan-D3	6.204	1156499	79646	14.5206	1042.3323
7-aminoclonazepam	7-Aminoclonazepam-D4	6.312	963837	45175	21.3358	887.7442
Tramadol	Tramadol-13C-D3	6.323	9015563	530287	17.0013	836.9111
Doxylamine	Doxylamine-D5	6.662	9183665	473613	19.3907	985.8901
Metoprolol	Oxycodone-D6	6.417	986124	65240	15.1152	890.3529
Bupropion	Bupropion-D9	6.910	3260761	133172	24.4853	1022.7286
Meprobamate	Meprobamate-D7	7.012	839644	51054	16.4463	1060.9212
Zolpidem	Zolpidem-D6	7.021	5305000	298237	17.7878	989.6142
Venlafaxine	Venlafaxine-D6	7.145	9062670	405761	22.3350	993.3697
Trazodone	Trazodone-D6	7.215	4589630	200390	22.9035	1009.9822
Citalopram	Citalopram-D6	7.257	3868659	180619	21.4189	984.4461
Dextromethorphan	Dextromethorphan-D3	7.288	1063050	46131	23.0443	1002.8316
Diphenhydramine	Diphenhydramine-D3	7.312	8498253	394138	21.5616	994.8131

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

*Placal 8*

<b>Compound</b>	<b>ISTD Compound</b>	<b>RT</b>	<b>Response</b>	<b>ISTD Resp</b>	<b>Resp Ratio</b>	<b>Final Conc</b>
Promethazine	Promethazine-D3	7.467	5328206	291358	18.2875	1026.4756
Clonazepam	Clonazepam-D4	7.523	571013	8925	63.9806	957.0727
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.581	200641	8622	23.2718	983.0660
Carisoprodol	Carisoprodol-D7	7.612	1533649	99169	15.4650	899.2506
Lorazepam	a-hydroxyalprazolam-D5	7.623	213749	8622	24.7922	694.5343
Alprazolam	Alprazolam-D5	7.647	1492307	57120	26.1260	1013.3971



# ISP FORENSICS - Cd'A Instrument # 62340

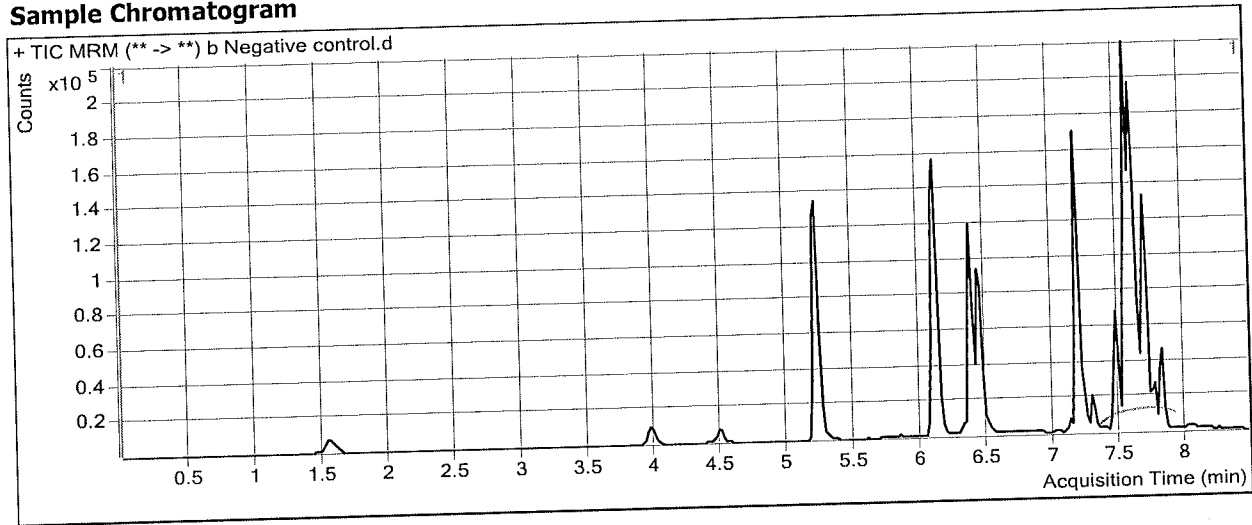
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2018 Data\092018 mdq\QuantResults\mdq p1b.batch.bin  
**Analysis Time** 9/21/2018 8:47 AM **Analyst Name** ISP Tox  
**Report Time** 9/21/2018 8:50 AM **Reporter Name** ISP Tox  
**Last Calib Update** 9/21/2018 8:47 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-09-20 15:52 **Data File** b Negative control.d  
**Sample Type** Sample **Sample Name** b Negative control  
**Dilution** 1 **Acq Method** b1 mdq 618.m  
**Position** P2-E2 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28 Panel 1, negative

### Sample Chromatogram



# ISP FORENSICS - Cd'A Instrument # 62340

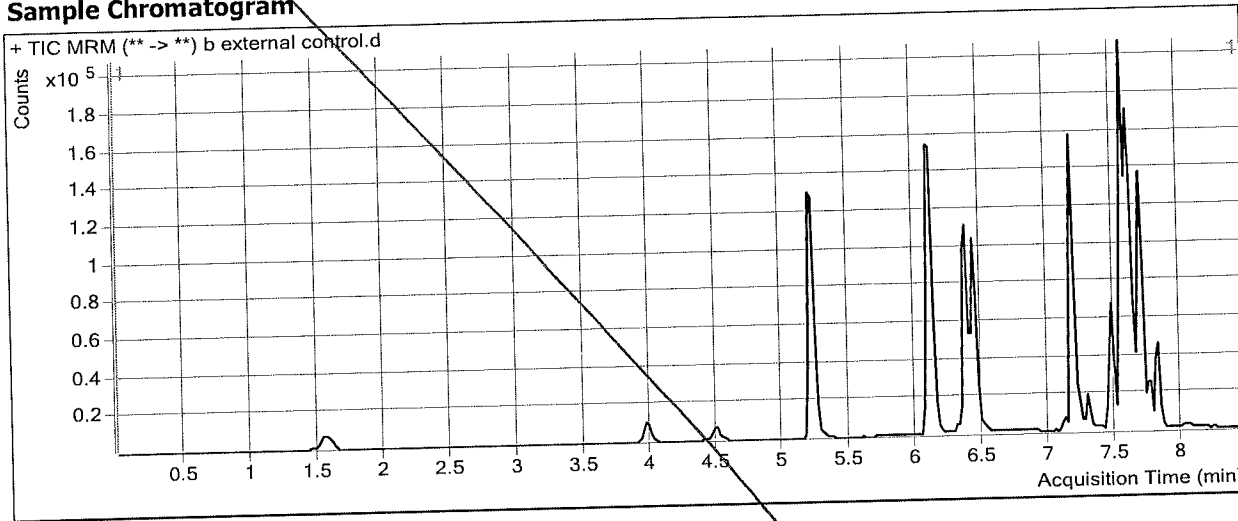
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	D:\2018 Data\092018 mdq\QuantResults\mdq p1b.batch.bin	<b>Analyst Name</b>	ISP Tox
<b>Analysis Time</b>	9/21/2018 8:47 AM	<b>Reporter Name</b>	ISP Tox
<b>Report Time</b>	9/21/2018 8:50 AM	<b>Batch State</b>	Processed
<b>Last Calib Update</b>	9/21/2018 8:47 AM		

### Analysis Info

<b>Acq Time</b>	2018-09-20 16:18	<b>Data File</b>	b external control.d
<b>Sample Type</b>	Sample	<b>Sample Name</b>	b external control
<b>Dilution</b>	1	<b>Acq Method</b>	b1 mdq 618.m
<b>Position</b>	P2-F2	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	AM 28: external control p1

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Sertraline	Sertraline-D3	7.683	197	32686	0.0060	2.8895

*Not evaluated*



# ISP FORENSICS - Cd'A Instrument # 62340

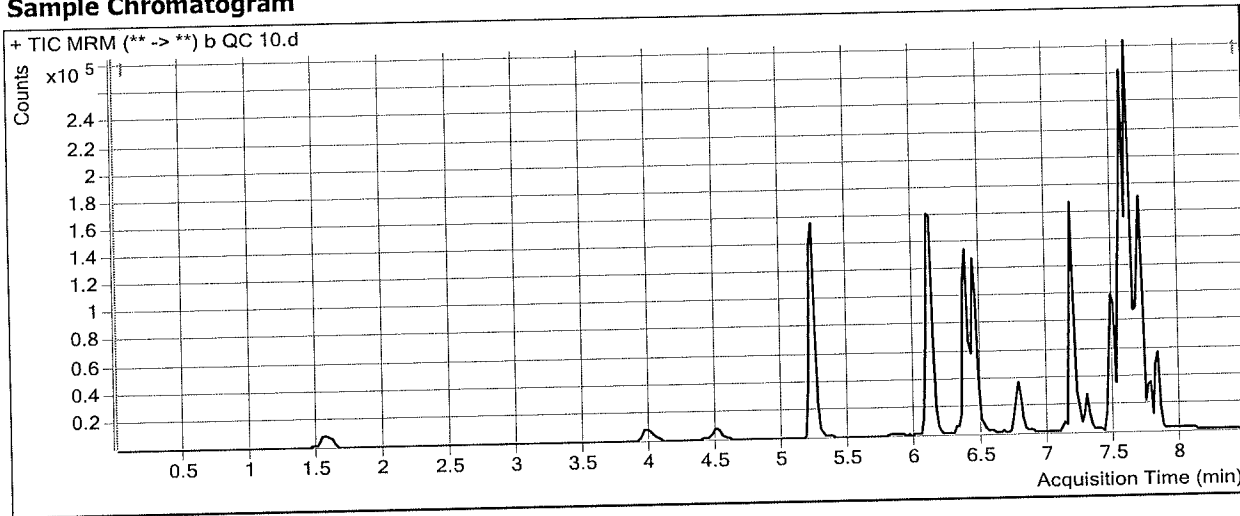
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2018 Data\092018 mdq\QuantResults\mdq p1b.batch.bin  
**Analysis Time** 9/21/2018 8:47 AM **Analyst Name** ISP Tox  
**Report Time** 9/21/2018 8:50 AM **Reporter Name** ISP Tox  
**Last Calib Update** 9/21/2018 8:47 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-09-20 16:43 **Data File** b QC 10.d  
**Sample Type** QC **Sample Name** b QC 10  
**Dilution** 1 **Acq Method** b1 mdq 618.m  
**Position** P2-A2 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28 Panel 1

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.568	8534	42877	0.1990	10.0050
Dihydrocodeine	Dihydrocodeine-D6	4.030	8523	42290	0.2015	10.1596
Noroxycodone	Noroxycodone-D3	4.538	7759	23786	0.3262	13.3447
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.239	91894	441613	0.2081	10.5334
Benzoylcegonine	Benzoylcegonine-d8	5.848	439	3113	0.1411	9.9532
Ketamine	Ketamine-D4	6.101	39692	162995	0.2435	10.1777
Norfentanyl	Norfentanyl-D5	6.144	6824	361959	0.0189	<del>1.4397</del> * *
Cocaine	Cocaine-d3	6.369	59277	328504	0.1804	9.5620
alpha-PVP	alpha-PVP-d8	6.445	61092	289397	0.2111	9.1246
Mirtazapine	alpha-PVP-d8	6.760	58787	289397	0.2031	9.7803
Norbuprenorphine	Norbuprenorphine-D3	7.113	450	15233	0.0295	1.2891
Fentanyl	Fentanyl-D5	7.196	8512	425740	0.0200	1.0608
Mitragynine	Dihydrocodeine-D6	7.274	18610	42290	0.4401	10.1844
EDDP	EDDP-D3	7.287	5211	24519	0.2125	11.4295
Quetiapine	Quetiapine-D8	7.477	94533	136482	0.6926	10.0916
Cyclobenzaprine	Cyclobenzaprine-D3	7.529	39553	195762	0.2020	10.0563
Methadone	Methadone-D9	7.560	63676	392796	0.1621	9.8810
Buprenorphine	Buprenorphine-D4	7.614	2455	107289	0.0229	0.9896
Fluoxetine	Fluoxetine-D6	7.602	87181	434124	0.2008	10.3502
Sertraline	Sertraline-D3	7.663	16916	82810	0.2043	10.5738
Temazepam	Temazepam-D5	7.685	49078	243385	0.2016	9.7803
Oxazepam	Oxazepam-D5	7.646	20875	105929	0.1971	10.3193
Nordiazepam	Nordiazepam-D5	7.773	19148	56820	0.3370	9.7729

\* outside curve range

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

P15 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	7.829	21281	100818	0.2111	9.3618



# ISP FORENSICS - Cd'A Instrument # 62340

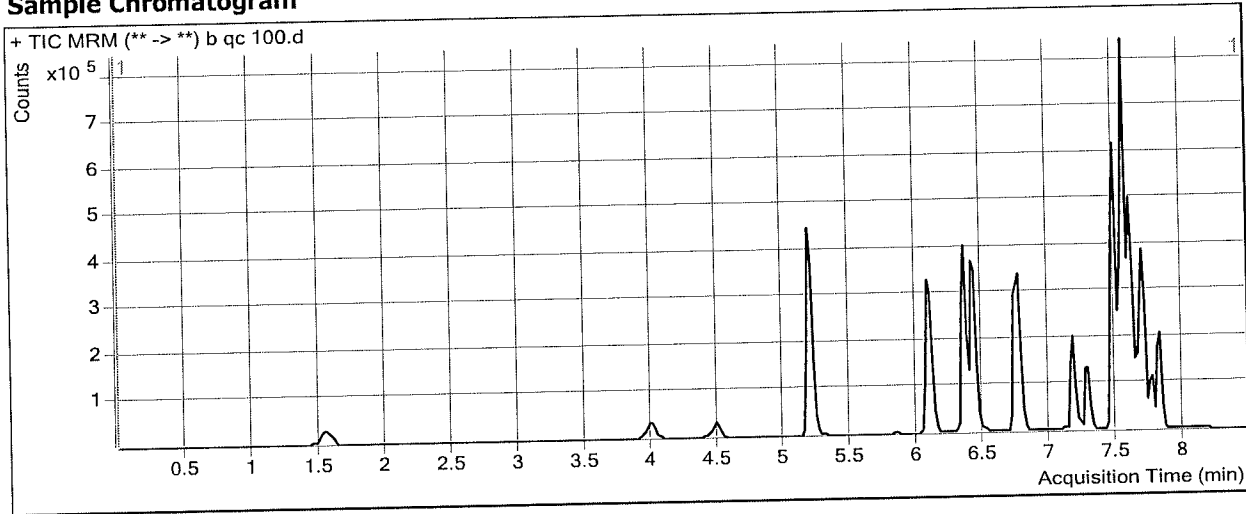
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	D:\2018 Data\092018 mdq\QuantResults\mdq p1b.batch.bin		
<b>Analysis Time</b>	9/21/2018 8:47 AM	<b>Analyst Name</b>	ISP Tox
<b>Report Time</b>	9/21/2018 8:50 AM	<b>Reporter Name</b>	ISP Tox
<b>Last Calib Update</b>	9/21/2018 8:47 AM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2018-09-20 20:43	<b>Data File</b>	b qc 100.d
<b>Sample Type</b>	QC	<b>Sample Name</b>	b qc 100
<b>Dilution</b>	1	<b>Acq Method</b>	b1 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
Oxymorphone	Oxymorphone-D3	1.568	92219	44462	2.0741	88.4747
Dihydrocodeine	Dihydrocodeine-D6	4.010	92492	44781	2.0654	104.5145
Noroxycodone	Noroxycodone-D3	4.498	79229	30468	2.6004	94.5631
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.199	968743	455731	2.1257	100.3328
Benzoylcegonine	Benzoylcegonine-d8	5.828	3861	2853	1.3532	84.2419
Ketamine	Ketamine-D4	6.081	406346	165835	2.4503	98.6786
Norfentanyl	Norfentanyl-D5	6.124	74452	354410	0.2101	9.4684
Cocaine	Cocaine-d3	6.349	626014	336090	1.8626	95.6620
alpha-PVP	alpha-PVP-d8	6.445	638201	293335	2.1757	90.2456
Mirtazapine	alpha-PVP-d8	6.760	627741	293335	2.1400	92.9162
Norbuprenorphine	Norbuprenorphine-D3	7.113	3055	16239	0.1882	8.7673
Fentanyl	Fentanyl-D5	7.176	83740	417317	0.2007	9.2196
Mitragynine	Dihydrocodeine-D6	7.254	190071	44781	4.2444	96.3598
EDDP	EDDP-D3	7.287	60789	32751	1.8561	75.2161
Quetiapine	Quetiapine-D8	7.477	991710	139392	7.1145	99.9673
Cyclobenzaprine	Cyclobenzaprine-D3	7.529	360166	165400	2.1775	97.5496
Methadone	Methadone-D9	7.560	635396	399352	1.5911	86.0120
Buprenorphine	Buprenorphine-D4	7.614	21820	102586	0.2127	8.7456
Fluoxetine	Fluoxetine-D6	7.602	586192	285665	2.0520	100.9409
Sertraline	Sertraline-D3	7.663	84130	36038	2.3345	93.1498
Temazepam	Temazepam-D5	7.685	462257	214351	2.1565	92.8638
Oxazepam	Oxazepam-D5	7.646	133024	62579	2.1257	104.8592
Nordiazepam	Nordiazepam-D5	7.773	161836	44535	3.6339	103.0370

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

116 Qc 100

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Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Diazepam	Diazepam-D5	7.829	251856	95441	2.6389	101.6986





# ISP FORENSICS - Cd'A Instrument # 62340

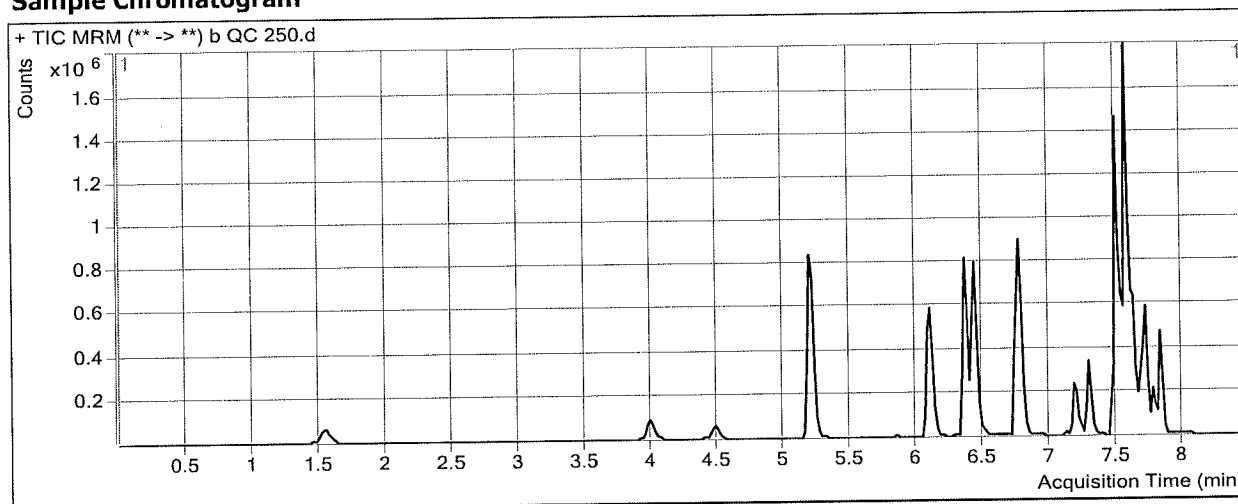
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2018 Data\092018 mdq\QuantResults\mdq p1b.batch.bin  
**Analysis Time** 9/21/2018 8:47 AM **Analyst Name** ISP Tox  
**Report Time** 9/21/2018 8:50 AM **Reporter Name** ISP Tox  
**Last Calib Update** 9/21/2018 8:47 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-09-20 21:09 **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	221799	40357	5.4960	231.6767
Dihydrocodeine	Dihydrocodeine-D6	3.990	229245	44153	5.1921	262.7966
Noroxycodone	Noroxycodone-D3	4.498	174788	25412	6.8782	247.3352
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.199	2338818	434780	5.3793	252.6970
Benzoyllecgonine	Benzoyllecgonine-d8	5.828	9585	2412	3.9745	244.8981
Ketamine	Ketamine-D4	6.101	994715	158201	6.2877	252.5722
Norfentanyl	Norfentanyl-D5	6.124	180388	329681	0.5472	23.6216
Cocaine	Cocaine-d3	6.349	1553559	327746	4.7401	242.9418
alpha-PVP	alpha-PVP-d8	6.445	1553071	268268	5.7892	239.4565
Mirtazapine	alpha-PVP-d8	6.760	1538448	268268	5.7347	247.2107
Norbuprenorphine	Norbuprenorphine-D3	7.113	8012	15247	0.5254	24.6669
Fentanyl	Fentanyl-D5	7.196	196212	375283	0.5228	23.7686
Mitragynine	Dihydrocodeine-D6	7.274	418405	44153	9.4763	214.8712
EDDP	EDDP-D3	7.287	160860	28842	5.5773	219.6362
Quetiapine	Quetiapine-D8	7.477	2115776	137419	15.3966	215.8768
Cyclobenzaprine	Cyclobenzaprine-D3	7.550	798793	140083	5.7023	253.6574
Methadone	Methadone-D9	7.560	1616528	353560	4.5721	244.8358
Buprenorphine	Buprenorphine-D4	7.614	53329	96852	0.5506	22.5534
Fluoxetine	Fluoxetine-D6	7.622	1061938	211238	5.0272	246.5348
Sertraline	Sertraline-D3	7.683	126956	20670	6.1420	240.7416
Temazepam	Temazepam-D5	7.705	927786	174786	5.3081	226.8077
Oxazepam	Oxazepam-D5	7.646	166850	34813	4.7928	235.5971
Nordiazepam	Nordiazepam-D5	7.773	291094	29056	10.0185	283.6435

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

PIB QC 250

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Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Diazepam	Diazepam-D5	7.829	555604	82093	6.7680	258.7410



# ISP FORENSICS - Cd'A Instrument # 62340

## Multi-Drug Confirmatory Analysis Report

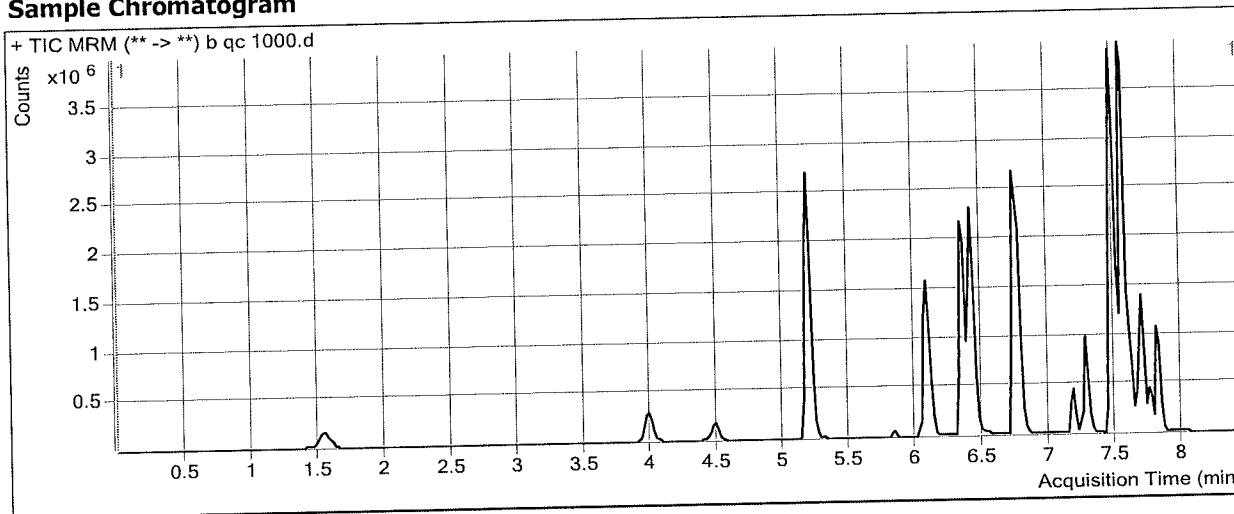
PI b QC 1000

<b>Batch Data Path</b>	D:\2018 Data\092018 mdq\QuantResults\mdq p1b.batch.bin	<b>Analyst Name</b>	ISP Tox
<b>Analysis Time</b>	9/21/2018 8:47 AM	<b>Reporter Name</b>	ISP Tox
<b>Report Time</b>	9/21/2018 8:50 AM	<b>Batch State</b>	Processed
<b>Last Calib Update</b>	9/21/2018 8:47 AM		

### Analysis Info

<b>Acq Time</b>	2018-09-20 21:34	<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	1.548	706143	31105	22.7022	951.7383
Dihydrocodeine	Dihydrocodeine-D6	3.990	801519	42926	18.6722	945.2026
Noroxycodone	Noroxycodone-D3	4.498	541458	18228	29.7046	1062.5354
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.199	8486042	387557	21.8962	1026.1678
Benzoylcegonine	Benzoylcegonine-d8	5.828	73715	2758	26.7280	1639.4084
Ketamine	Ketamine-D4	6.081	3410291	141430	24.1130	967.4392
Norfentanyl	Norfentanyl-D5	6.104	667642	262537	2.5430	107.4222
Cocaine	Cocaine-d3	6.329	5057206	263686	19.1789	981.9634
alpha-PVP	alpha-PVP-d8	6.425	5121308	218020	23.4901	970.3581
Mirtazapine	alpha-PVP-d8	6.740	5017174	218020	23.0125	988.8161
Norbuprenorphine	Norbuprenorphine-D3	7.092	23622	11546	2.0458	96.3397
Fentanyl	Fentanyl-D5	7.176	586414	254269	2.3063	104.3066
Mitragynine	Dihydrocodeine-D6	7.254	1025326	42926	23.8860	541.2752 ★
EDDP	EDDP-D3	7.266	714113	29605	24.1213	939.3184
Quetiapine	Quetiapine-D8	7.456	6961692	107670	64.6578	905.3000
Cyclobenzaprine	Cyclobenzaprine-D3	7.529	1565598	67867	23.0686	1022.7961
Methadone	Methadone-D9	7.560	5125929	284470	18.0192	961.2604
Buprenorphine	Buprenorphine-D4	7.614	126872	62022	2.0456	83.6381
Fluoxetine	Fluoxetine-D6	7.602	1485711	71894	20.6652	1011.7948
Sertraline	Sertraline-D3	7.663	175683	6588	26.6688	1036.4370
Temazepam	Temazepam-D5	7.685	2346053	101956	23.0105	979.1645
Oxazepam	Oxazepam-D5	7.626	352060	8324	42.2940	2073.8834
Nordiazepam	Nordiazepam-D5	7.753	705062	17778	39.6589	1122.1158

★ outside curve range

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

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<b>Compound</b>	<b>ISTD Compound</b>	<b>RT</b>	<b>Response</b>	<b>ISTD Resp</b>	<b>Resp Ratio</b>	<b>Final Conc</b>
Diazepam	Diazepam-D5	7.809	1639089	56146	29.1931	1111.6415



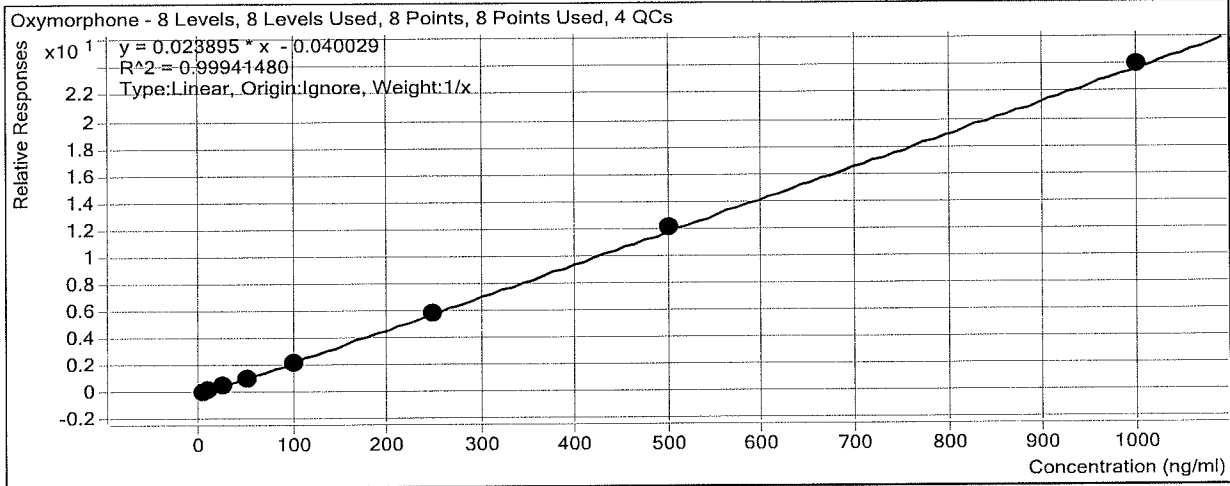
# ISP Forensics Calibration Curve Report

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

D:\2018 Data\092018 mdq\QuantResults\mdq p1b.batch.bin  
9/21/2018 8:47 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	5.8	117.0
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.2	101.7
b QC 10	2	<input checked="" type="checkbox"/>	10	10.0	100.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.2	92.9
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.6	93.2
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	94.9	94.9
b qc 100	5	<input checked="" type="checkbox"/>	100	88.5	88.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	245.0	98.0
b QC 250	6	<input checked="" type="checkbox"/>	250	231.7	92.7
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	508.4	101.7
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1005.8	100.6
b qc 1000	8	<input checked="" type="checkbox"/>	1000	951.7	95.2

# ISP Forensics Calibration Curve Report

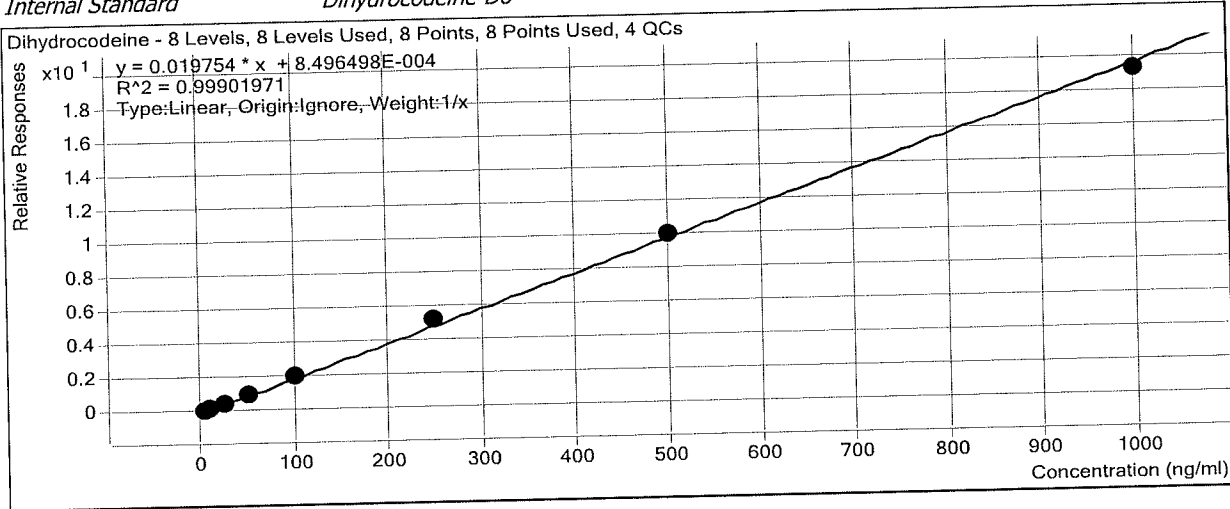
**Batch Data Path**  
**Last Calib Update**

D:\2018 Data\092018 mdq\QuantResults\mdq p1b.batch.bin  
9/21/2018 8:47 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	5.0	99.8
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.5	94.6
b QC 10	2	<input checked="" type="checkbox"/>	10	10.2	101.6
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.9	95.6
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.5	101.1
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	104.4	104.4
b qc 100	5	<input checked="" type="checkbox"/>	100	104.5	104.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	263.5	105.4
b QC 250	6	<input checked="" type="checkbox"/>	250	262.8	105.1
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	507.9	101.6
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	975.3	97.5
b qc 1000	8	<input checked="" type="checkbox"/>	1000	945.2	94.5

# ISP Forensics Calibration Curve Report

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

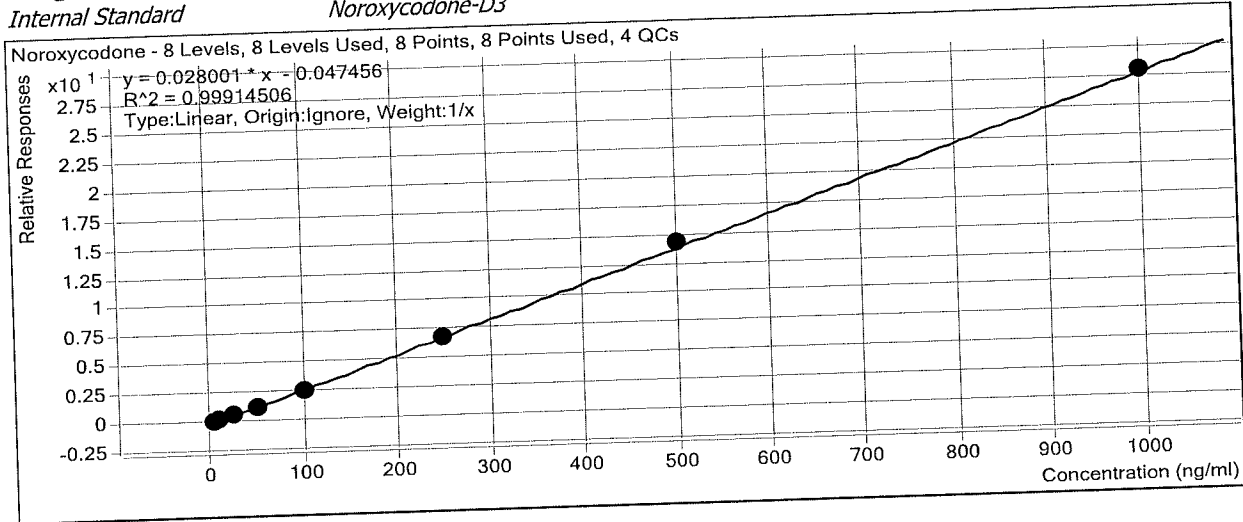
D:\2018 Data\092018 mdq\QuantResults\mdq p1b.batch.bin  
9/21/2018 8:47 AM

**Analyst Name**

ISP TOX

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

*Noroxycodone*  
*Noroxycodone-D3*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	6.0	120.7
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	100.6
b QC 10	2	<input checked="" type="checkbox"/>	10	13.3	133.4
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.4	89.6
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.6	93.1
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	95.4	95.4
b qc 100	5	<input checked="" type="checkbox"/>	100	94.6	94.6
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	243.6	97.4
b QC 250	6	<input checked="" type="checkbox"/>	250	247.3	98.9
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	514.5	102.9
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1001.5	100.1
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1062.5	106.3

# ISP Forensics Calibration Curve Report

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

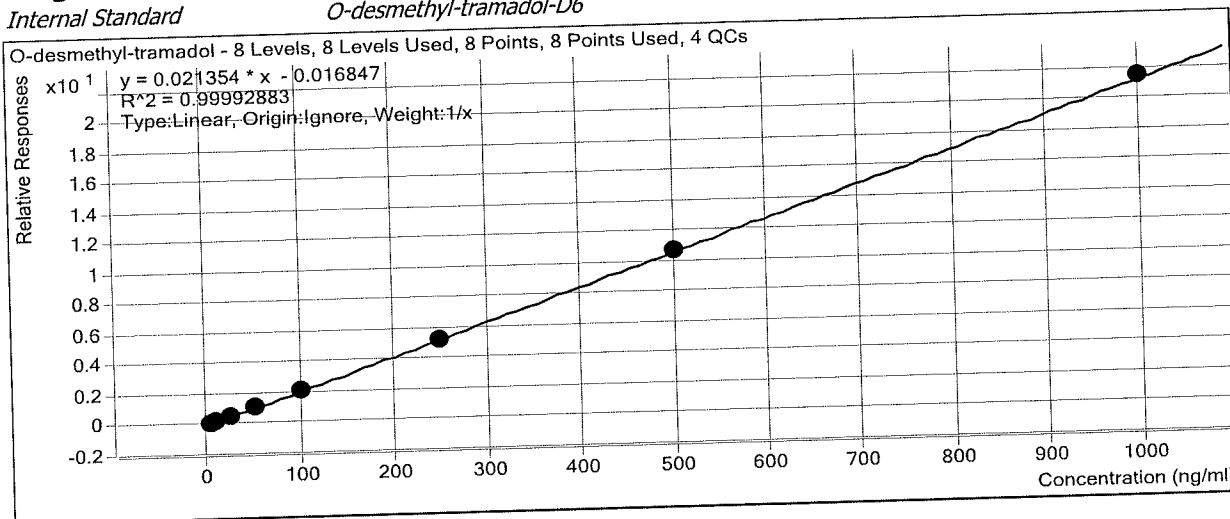
D:\2018 Data\092018 mdq\QuantResults\mdq p1b.batch.bin  
9/21/2018 8:47 AM

**Analyst Name**

ISP TOX

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

*O-desmethyl-tramadol*  
*O-desmethyl-tramadol-D6*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.3	106.3
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	98.8
b QC 10	2	<input checked="" type="checkbox"/>	10	10.5	105.3
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.5	97.9
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.5	99.0
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.7	98.7
b qc 100	5	<input checked="" type="checkbox"/>	100	100.3	100.3
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	246.8	98.7
b QC 250	6	<input checked="" type="checkbox"/>	250	252.7	101.1
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	499.7	99.9
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1005.6	100.6
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1026.2	102.6



# ISP Forensics Calibration Curve Report

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

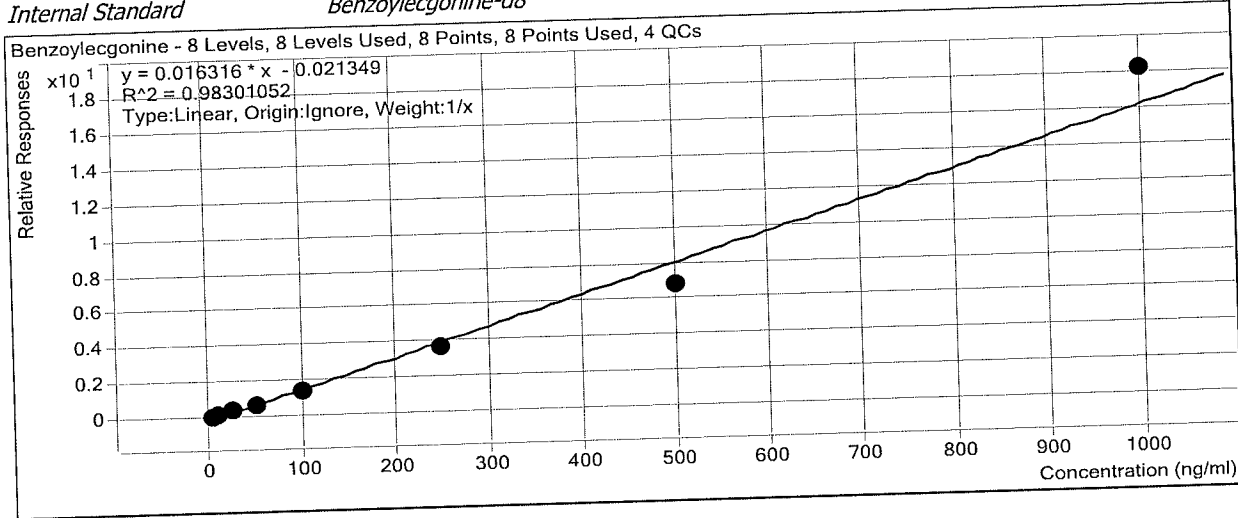
D:\2018 Data\092018 mdq\QuantResults\mdq p1b.batch.bin  
9/21/2018 8:47 AM

**Analyst Name**

ISP TOX

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

*Benzoyllecgonine*  
*Benzoyllecgonine-d8*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	6.1	122.8
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	11.6	115.6
b QC 10	2	<input checked="" type="checkbox"/>	10	10.0	99.5
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.1	96.4
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	44.2	88.3
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	90.3	90.3
b qc 100	5	<input checked="" type="checkbox"/>	100	84.2	84.2
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	227.2	90.9
b QC 250	6	<input checked="" type="checkbox"/>	250	244.9	98.0
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	420.0	84.0
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1116.5	111.6
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1639.4	163.9

# ISP Forensics Calibration Curve Report

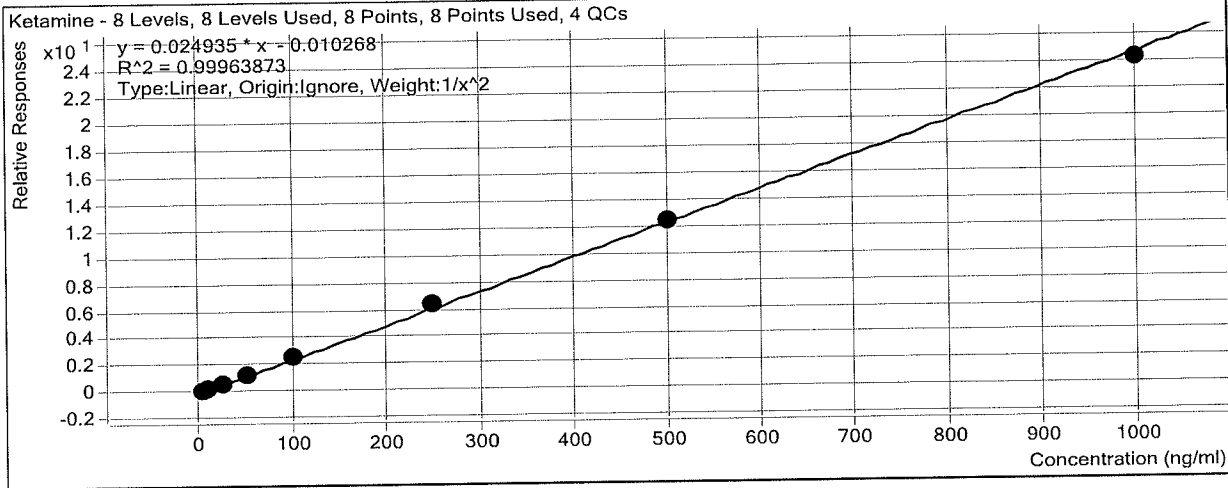
**Batch Data Path**  
**Last Calib Update**

D:\2018 Data\092018 mdq\QuantResults\mdq p1b.batch.bin  
9/21/2018 8:47 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	100.7
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	98.9
b QC 10	2	<input checked="" type="checkbox"/>	10	10.2	101.8
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.5	98.0
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.5	100.9
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.3	101.3
b qc 100	5	<input checked="" type="checkbox"/>	100	98.7	98.7
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	255.5	102.2
b QC 250	6	<input checked="" type="checkbox"/>	250	252.6	101.0
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	501.9	100.4
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	975.5	97.5
b qc 1000	8	<input checked="" type="checkbox"/>	1000	967.4	96.7

# ISP Forensics Calibration Curve Report

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

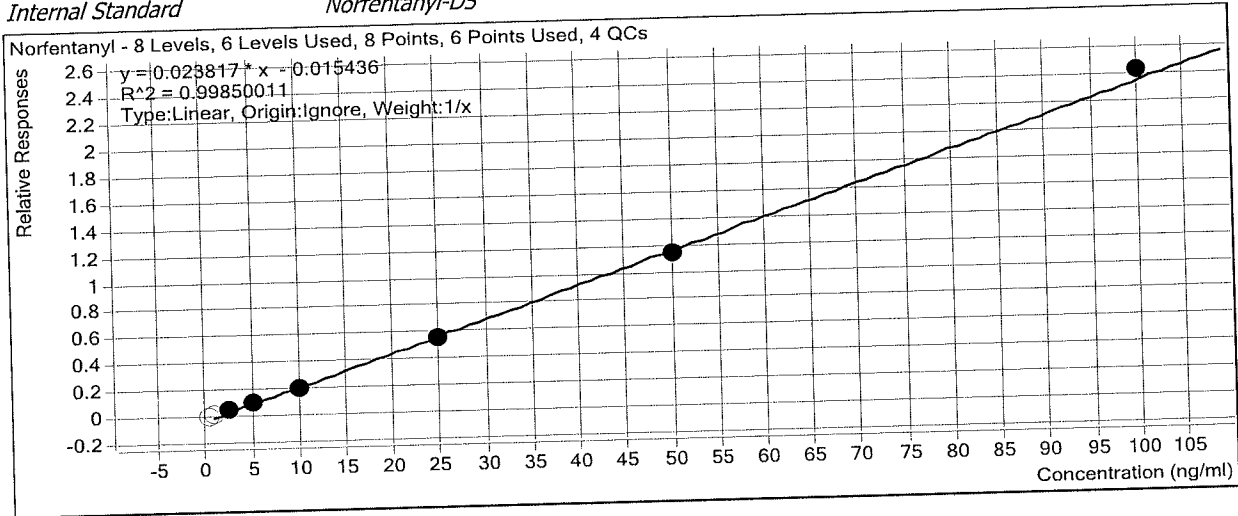
D:\2018 Data\092018 mdq\QuantResults\mdq p1b.batch.bin  
9/21/2018 8:47 AM

**Analyst Name**

ISP TOX

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

*Norfentanyl*  
*Norfentanyl-D5*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input type="checkbox"/>	0.5	1.0	207.4
b cal 2-10ng	2	<input type="checkbox"/>	1	1.4	143.0
b QC 10	2	<input type="checkbox"/>	1	1.4	144.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.8	111.3
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	5.0	99.3
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.3	93.2
b qc 100	5	<input checked="" type="checkbox"/>	10	9.5	94.7
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	24.0	95.8
b QC 250	6	<input checked="" type="checkbox"/>	25	23.6	94.5
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	48.8	97.6
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	102.6	102.6
b qc 1000	8	<input checked="" type="checkbox"/>	100	107.4	107.4

# ISP Forensics Calibration Curve Report

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

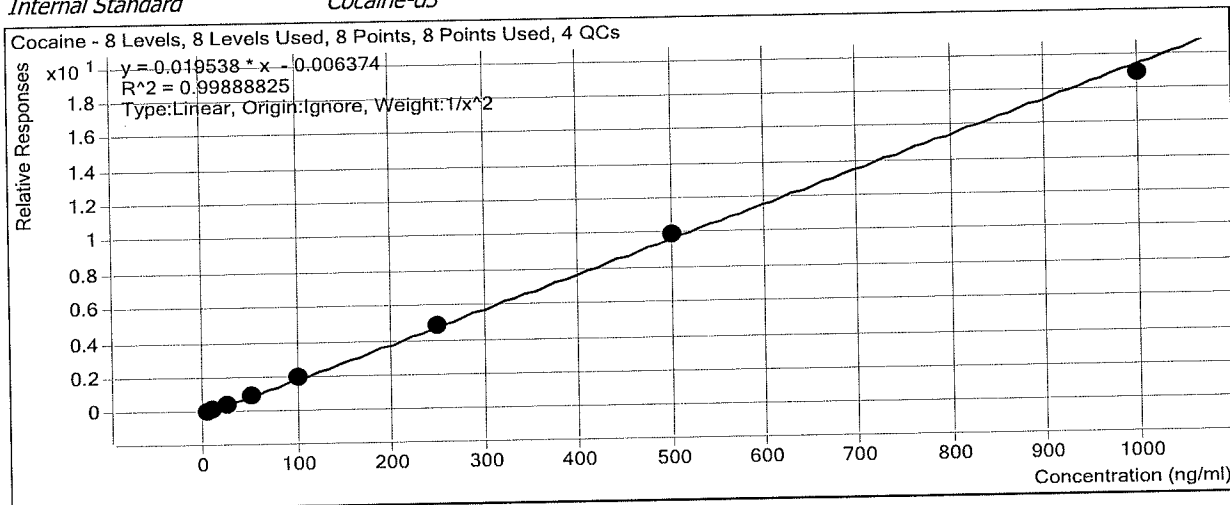
D:\2018 Data\092018 mdq\QuantResults\mdq p1b.batch.bin  
9/21/2018 8:47 AM

**Analyst Name**

ISP TOX

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

*Cocaine*  
*Cocaine-d3*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	101.9
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	96.3
b QC 10	2	<input checked="" type="checkbox"/>	10	9.6	95.6
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.4	97.7
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.9	101.7
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	104.1	104.1
b qc 100	5	<input checked="" type="checkbox"/>	100	95.7	95.7
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	249.1	99.6
b QC 250	6	<input checked="" type="checkbox"/>	250	242.9	97.2
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	510.6	102.1
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	965.7	96.6
b qc 1000	8	<input checked="" type="checkbox"/>	1000	982.0	98.2

# ISP Forensics Calibration Curve Report

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

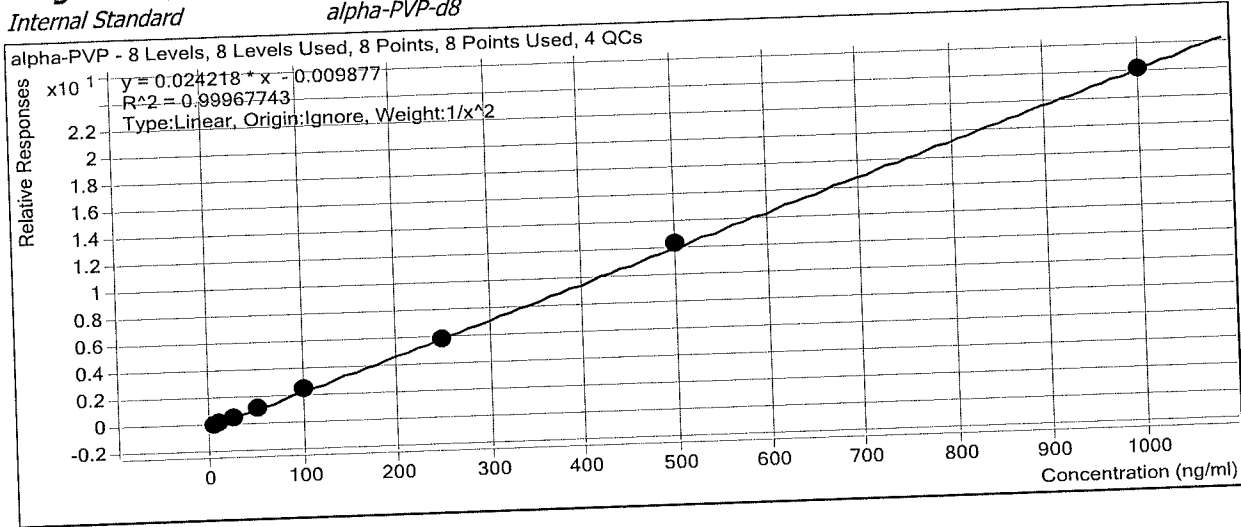
D:\2018 Data\092018 mdq\QuantResults\mdq p1b.batch.bin  
9/21/2018 8:47 AM

**Analyst Name**

ISP TOX

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

*alpha-PVP*  
*alpha-PVP-d8*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.1
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	99.6
b QC 10	2	<input checked="" type="checkbox"/>	10	9.1	91.2
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.9	99.7
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.5	101.0
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.1	102.1
b qc 100	5	<input checked="" type="checkbox"/>	100	90.2	90.2
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	242.3	96.9
b QC 250	6	<input checked="" type="checkbox"/>	250	239.5	95.8
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	506.1	101.2
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	993.3	99.3
b qc 1000	8	<input checked="" type="checkbox"/>	1000	970.4	97.0

# ISP Forensics Calibration Curve Report

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

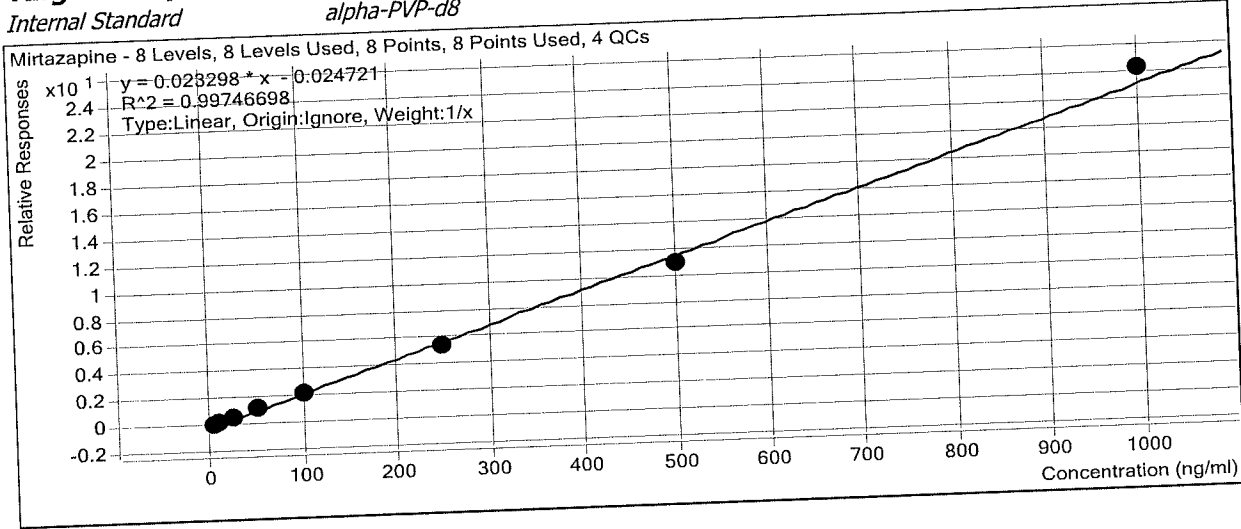
D:\2018 Data\092018 mdq\QuantResults\mdq p1b.batch.bin  
9/21/2018 8:47 AM

**Analyst Name**

ISP TOX

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

*Mirtazapine*  
*alpha-PVP-d8*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.7	114.4
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	97.9
b QC 10	2	<input checked="" type="checkbox"/>	10	9.8	97.8
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.2	96.8
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.8	99.5
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.2	98.2
b qc 100	5	<input checked="" type="checkbox"/>	100	92.9	92.9
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	235.9	94.3
b QC 250	6	<input checked="" type="checkbox"/>	250	247.2	98.9
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	472.1	94.4
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1044.4	104.4
b qc 1000	8	<input checked="" type="checkbox"/>	1000	988.8	98.9

# ISP Forensics Calibration Curve Report

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

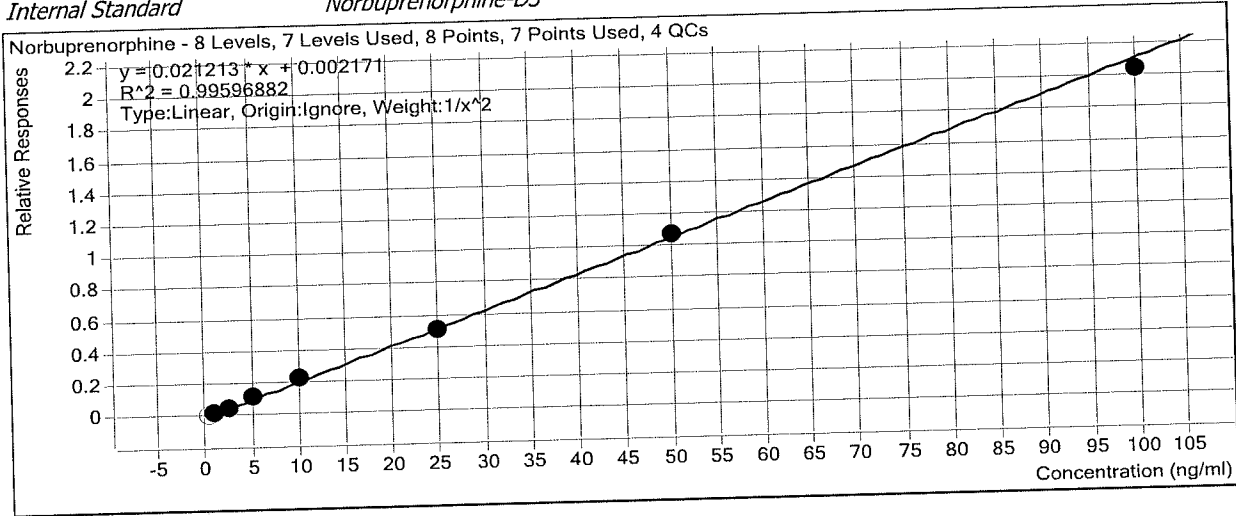
D:\2018 Data\092018 mdq\QuantResults\mdq p1b.batch.bin  
9/21/2018 8:47 AM

**Analyst Name**

ISP TOX

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

*Norbuprenorphine*  
*Norbuprenorphine-D3*

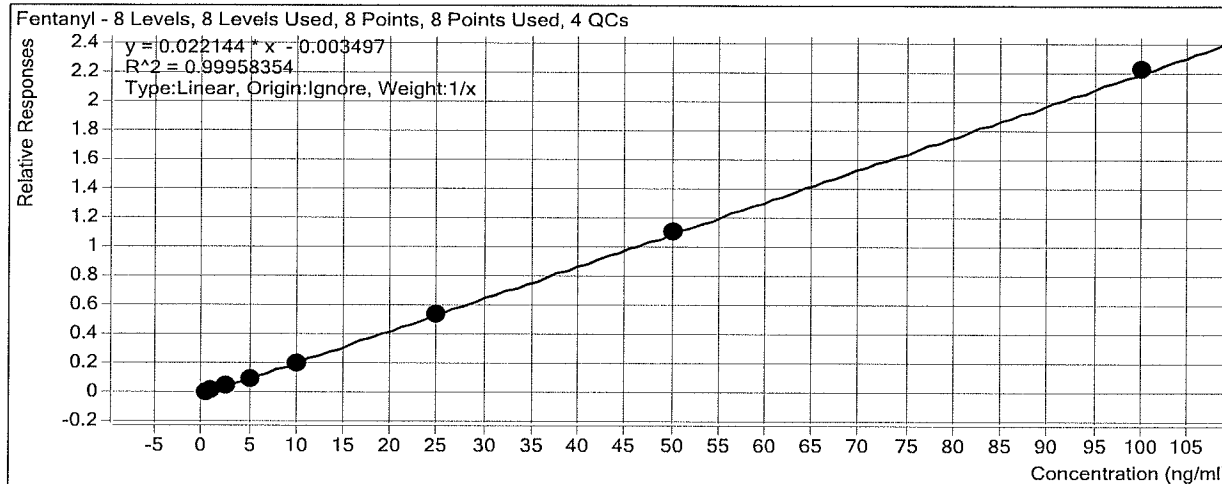


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input type="checkbox"/>	0.5	0.4	85.9
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.0	100.9
b QC 10	2	<input checked="" type="checkbox"/>	1	1.3	128.9
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.4	94.6
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	5.1	102.6
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	11.0	109.9
b qc 100	5	<input checked="" type="checkbox"/>	10	8.8	87.7
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	23.7	94.9
b QC 250	6	<input checked="" type="checkbox"/>	25	24.7	98.7
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	50.6	101.2
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	96.0	96.0
b qc 1000	8	<input checked="" type="checkbox"/>	100	96.3	96.3

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2018 Data\092018 mdq\QuantResults\mdq p1b.batch.bin  
**Last Calib Update** 9/21/2018 8:47 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	0.5	0.6	113.9
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.0	103.8
b QC 10	2	<input checked="" type="checkbox"/>	1	1.1	106.1
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.3	91.1
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.7	94.8
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.6	96.2
b qc 100	5	<input checked="" type="checkbox"/>	10	9.2	92.2
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	24.6	98.5
b QC 250	6	<input checked="" type="checkbox"/>	25	23.8	95.1
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	50.5	101.1
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	100.6	100.6
b qc 1000	8	<input checked="" type="checkbox"/>	100	104.3	104.3



# ISP Forensics Calibration Curve Report

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

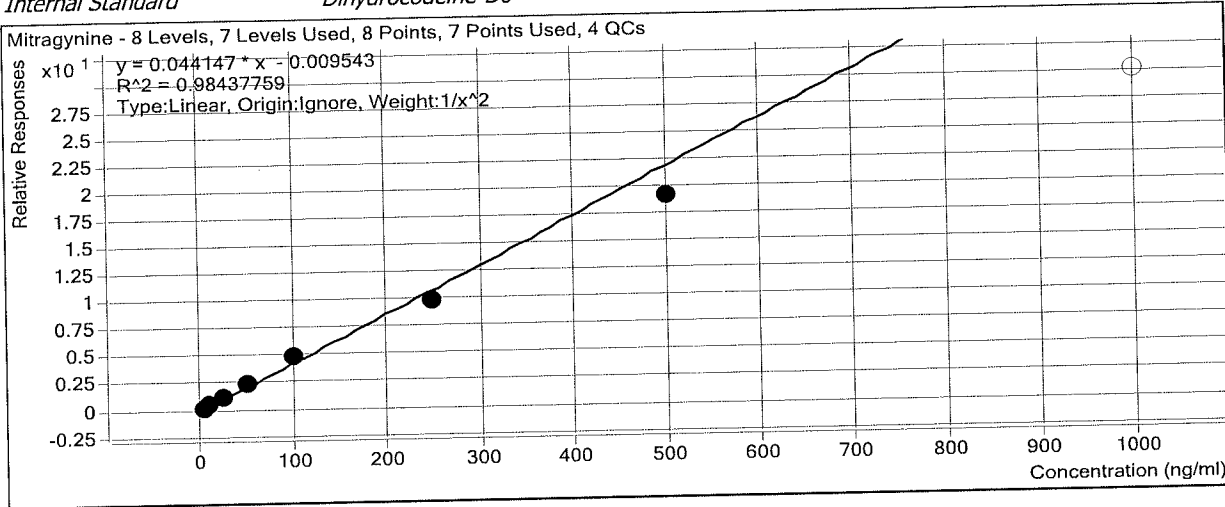
D:\2018 Data\092018 mdq\QuantResults\mdq p1b.batch.bin  
9/21/2018 8:47 AM

**Analyst Name**

ISP TOX

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

*Mitragynine*  
*Dihydrocodeine-D6*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.6	92.5
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	11.2	112.4
b QC 10	2	<input checked="" type="checkbox"/>	10	10.2	101.8
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.7	102.6
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	53.1	106.2
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	111.0	111.0
b qc 100	5	<input checked="" type="checkbox"/>	100	96.4	96.4
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	221.3	88.5
b QC 250	6	<input checked="" type="checkbox"/>	250	214.9	85.9
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	434.2	86.8
b cal 8-1000ng	8	<input type="checkbox"/>	1000	680.9	68.1
b qc 1000	8	<input type="checkbox"/>	1000	541.3	54.1

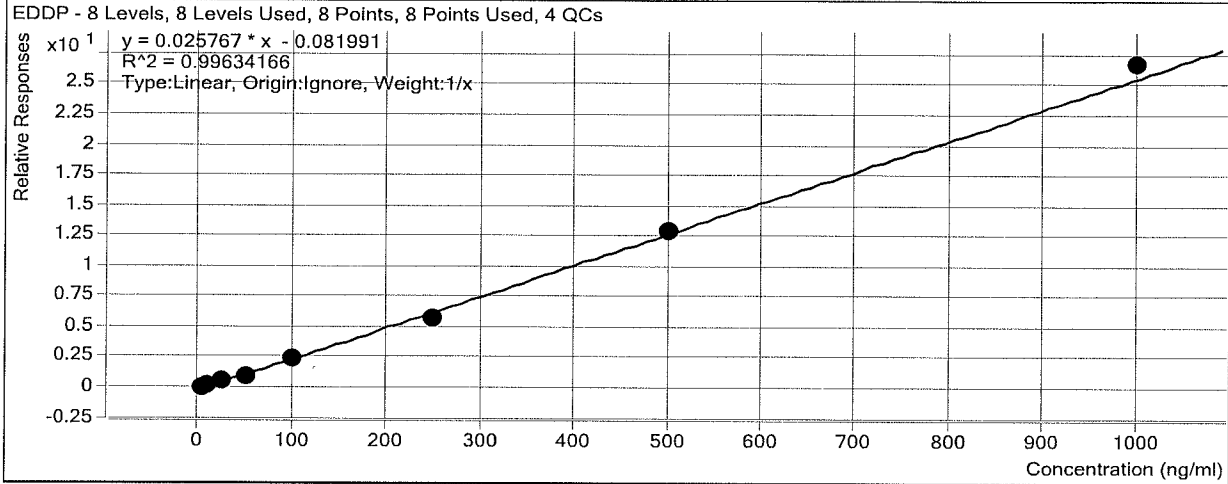
# ISP Forensics Calibration Curve Report

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

D:\2018 Data\092018 mdq\QuantResults\mdq p1b.batch.bin  
9/21/2018 8:47 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	6.5	129.7
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.8	107.6
b QC 10	2	<input checked="" type="checkbox"/>	10	11.4	114.3
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.8	91.4
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	41.8	83.7
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	93.7	93.7
b qc 100	5	<input checked="" type="checkbox"/>	100	75.2	75.2
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	224.3	89.7
b QC 250	6	<input checked="" type="checkbox"/>	250	219.6	87.9
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	502.0	100.4
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1038.0	103.8
b qc 1000	8	<input checked="" type="checkbox"/>	1000	939.3	93.9

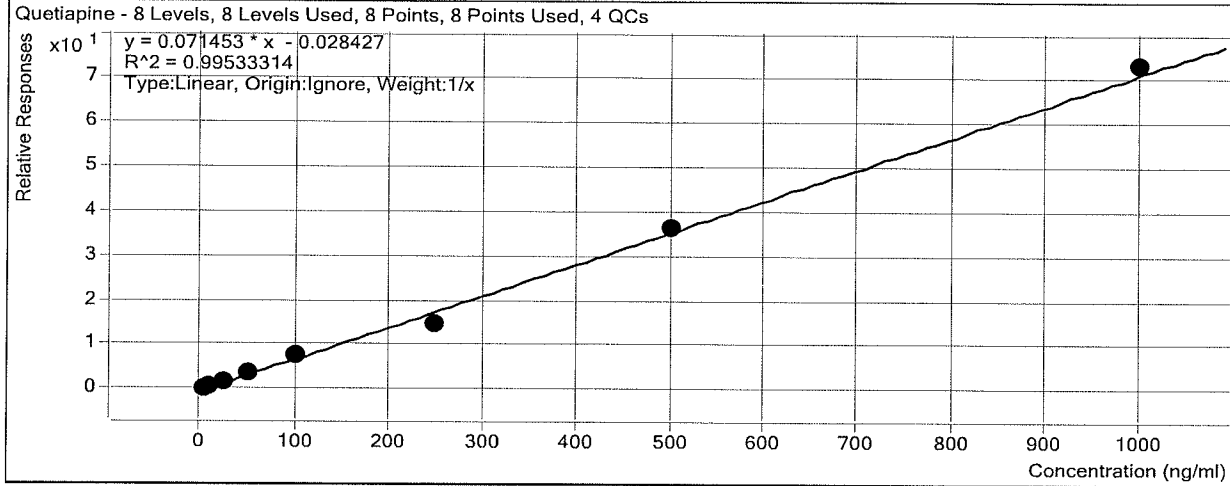
# ISP Forensics Calibration Curve Report

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

D:\2018 Data\092018 mdq\QuantResults\mdq p1b.batch.bin  
9/21/2018 8:47 AM

**Analyst Name**                      ISP TOX

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

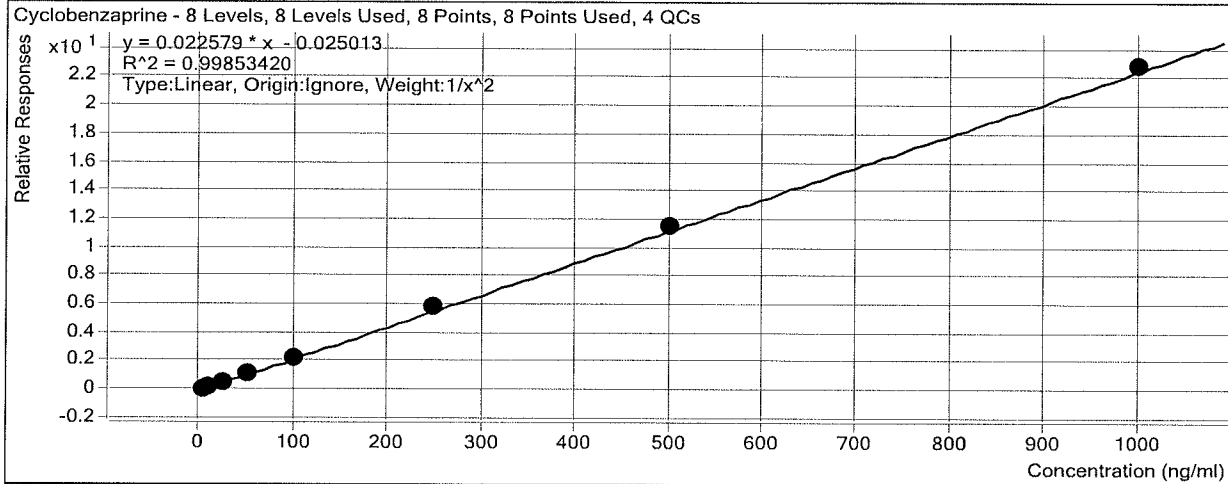


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.4	107.6
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	98.5
b QC 10	2	<input checked="" type="checkbox"/>	10	10.1	100.9
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.1	100.4
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.2	98.3
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	107.0	107.0
b qc 100	5	<input checked="" type="checkbox"/>	100	100.0	100.0
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	208.4	83.3
b QC 250	6	<input checked="" type="checkbox"/>	250	215.9	86.4
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	512.9	102.6
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1022.2	102.2
b qc 1000	8	<input checked="" type="checkbox"/>	1000	905.3	90.5

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2018 Data\092018 mdq\QuantResults\mdq p1b.batch.bin  
**Last Calib Update** 9/21/2018 8:47 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.3
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	98.0
b QC 10	2	<input checked="" type="checkbox"/>	10	10.1	100.6
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.2	92.9
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.6	99.1
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.9	101.9
b qc 100	5	<input checked="" type="checkbox"/>	100	97.5	97.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	257.3	102.9
b QC 250	6	<input checked="" type="checkbox"/>	250	253.7	101.5
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	509.0	101.8
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1010.2	101.0
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1022.8	102.3

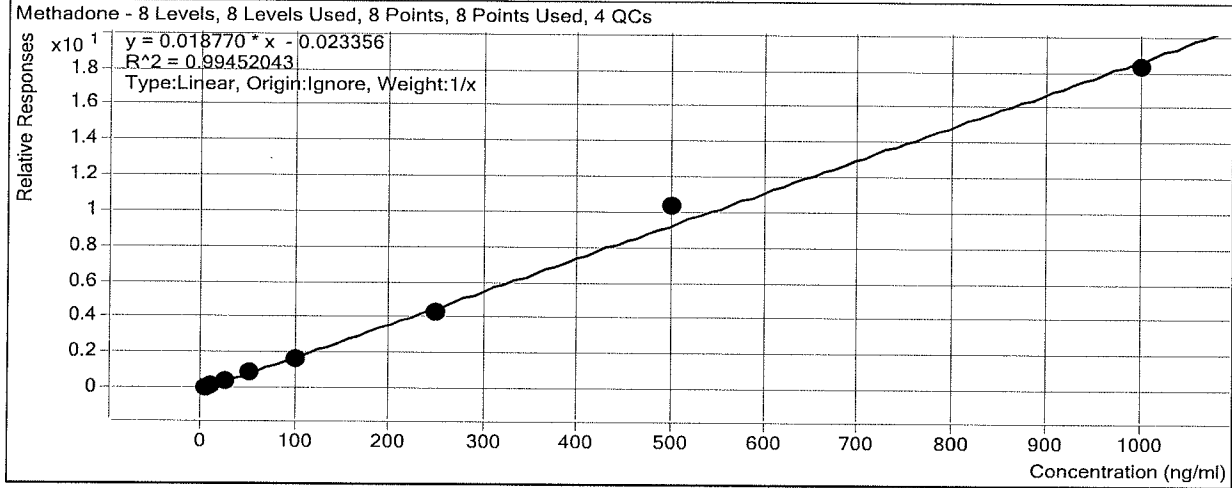
# ISP Forensics Calibration Curve Report

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

D:\2018 Data\092018 mdq\QuantResults\mdq p1b.batch.bin  
9/21/2018 8:47 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	5.2	104.9
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.6	105.7
b QC 10	2	<input checked="" type="checkbox"/>	10	9.9	98.8
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.3	97.0
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.1	102.2
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	90.4	90.4
b qc 100	5	<input checked="" type="checkbox"/>	100	86.0	86.0
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	228.1	91.2
b QC 250	6	<input checked="" type="checkbox"/>	250	244.8	97.9
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	555.6	111.1
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	974.8	97.5
b qc 1000	8	<input checked="" type="checkbox"/>	1000	961.3	96.1

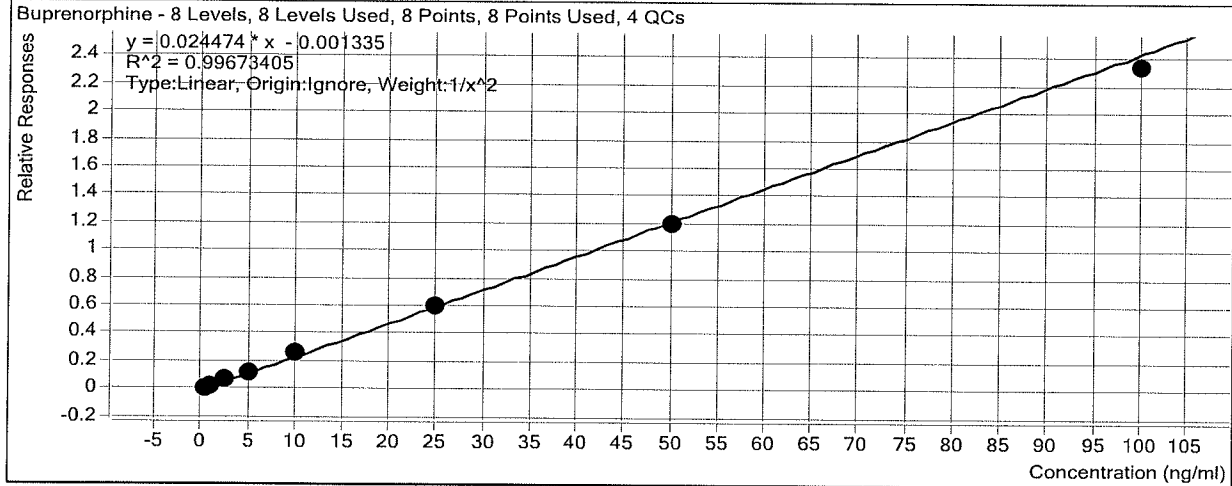
# ISP Forensics Calibration Curve Report

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

D:\2018 Data\092018 mdq\QuantResults\mdq p1b.batch.bin  
9/21/2018 8:47 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	96.0
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.1	106.0
b QC 10	2	<input checked="" type="checkbox"/>	1	1.0	99.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.7	106.5
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.8	95.2
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	10.5	105.2
b qc 100	5	<input checked="" type="checkbox"/>	10	8.7	87.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	24.5	97.8
b QC 250	6	<input checked="" type="checkbox"/>	25	22.6	90.2
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	48.9	97.9
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	95.4	95.4
b qc 1000	8	<input checked="" type="checkbox"/>	100	83.6	83.6

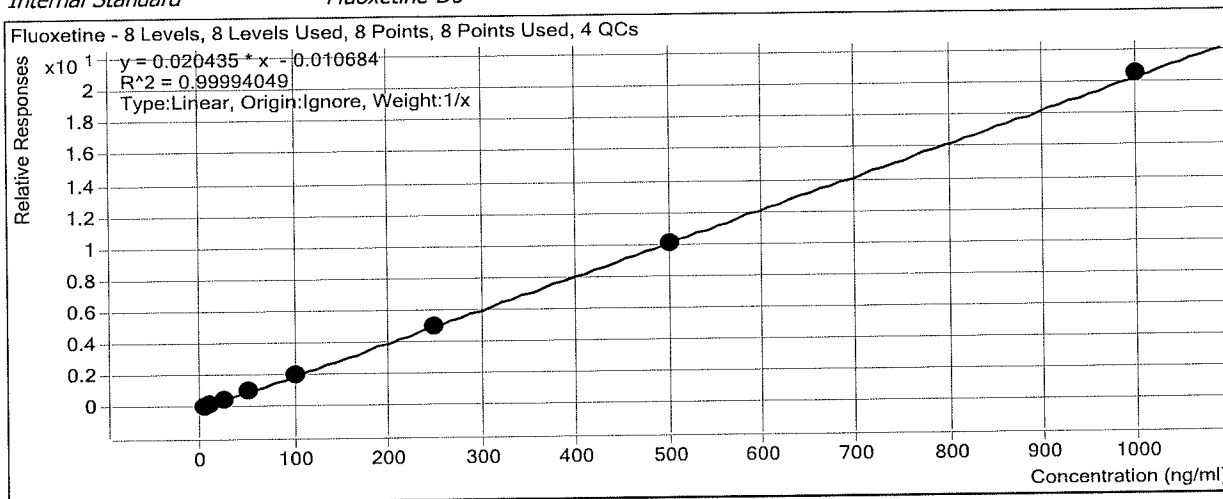
# ISP Forensics Calibration Curve Report

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

D:\2018 Data\092018 mdq\QuantResults\mdq p1b.batch.bin  
9/21/2018 8:47 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	5.1	101.4
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	100.6
b QC 10	2	<input checked="" type="checkbox"/>	10	10.4	103.5
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.9	99.7
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.6	99.1
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.5	100.5
b qc 100	5	<input checked="" type="checkbox"/>	100	100.9	100.9
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	247.0	98.8
b QC 250	6	<input checked="" type="checkbox"/>	250	246.5	98.6
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	496.7	99.3
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1006.2	100.6
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1011.8	101.2

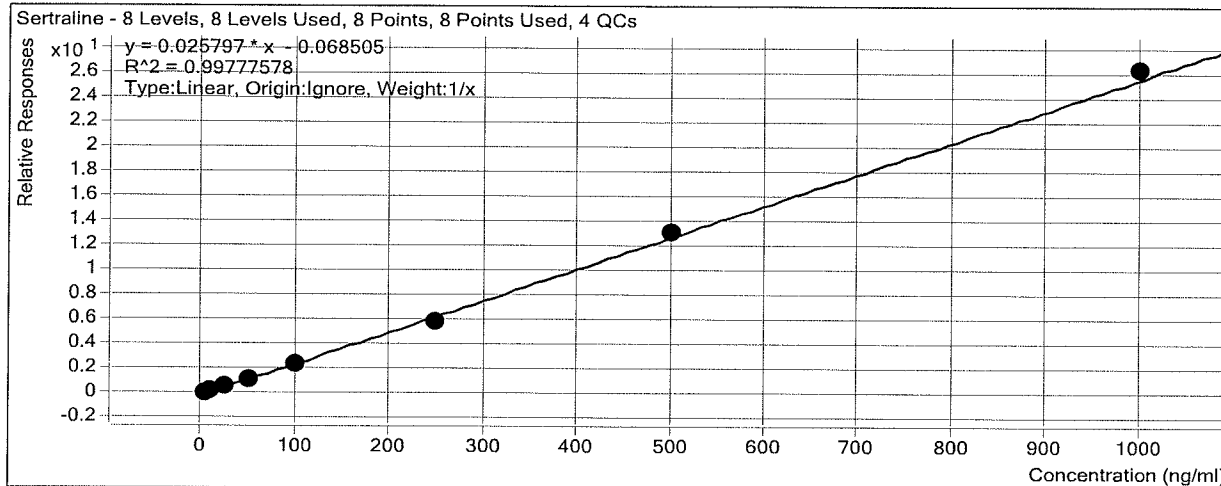
# ISP Forensics Calibration Curve Report

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

D:\2018 Data\092018 mdq\QuantResults\mdq p1b.batch.bin  
9/21/2018 8:47 AM

**Analyst Name**                      ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	6.3	126.8
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.7	106.5
b QC 10	2	<input checked="" type="checkbox"/>	10	10.6	105.7
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.3	89.1
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	44.3	88.6
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	91.9	91.9
b qc 100	5	<input checked="" type="checkbox"/>	100	93.1	93.1
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	232.4	92.9
b QC 250	6	<input checked="" type="checkbox"/>	250	240.7	96.3
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	509.3	101.9
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1022.8	102.3
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1036.4	103.6



# ISP Forensics Calibration Curve Report

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

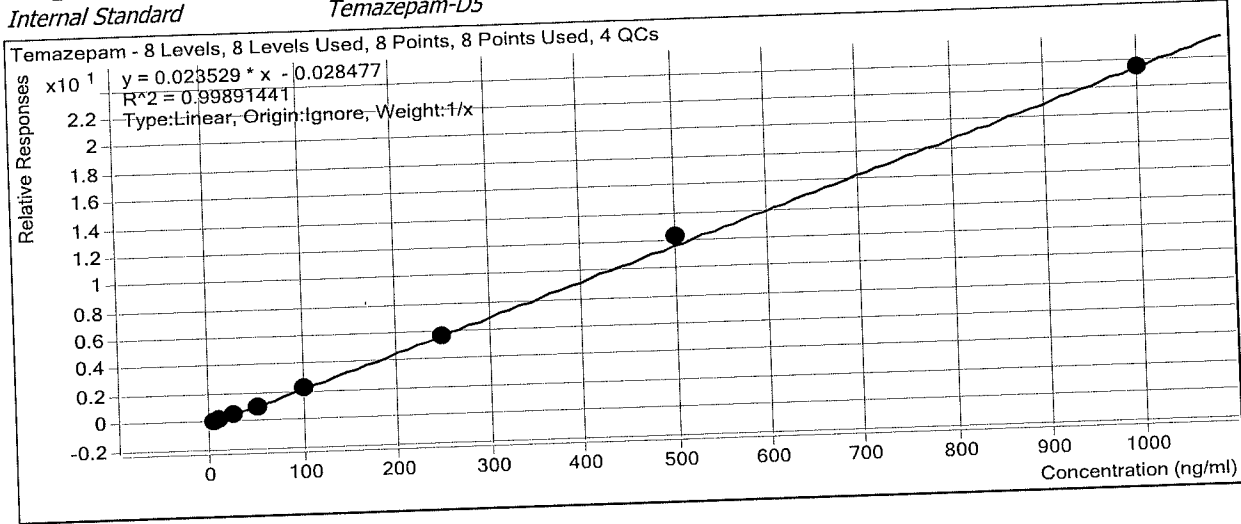
D:\2018 Data\092018 mdq\QuantResults\mdq p1b.batch.bin  
9/21/2018 8:47 AM

**Analyst Name**

ISP TOX

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

*Temazepam*  
*Temazepam-D5*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.9	117.8
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	98.6
b QC 10	2	<input checked="" type="checkbox"/>	10	9.8	97.8
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.6	94.4
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.1	92.2
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	96.9	96.9
b qc 100	5	<input checked="" type="checkbox"/>	100	92.9	92.9
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	241.0	96.4
b QC 250	6	<input checked="" type="checkbox"/>	250	226.8	90.7
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	521.6	104.3
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	995.1	99.5
b qc 1000	8	<input checked="" type="checkbox"/>	1000	979.2	97.9

# ISP Forensics Calibration Curve Report

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

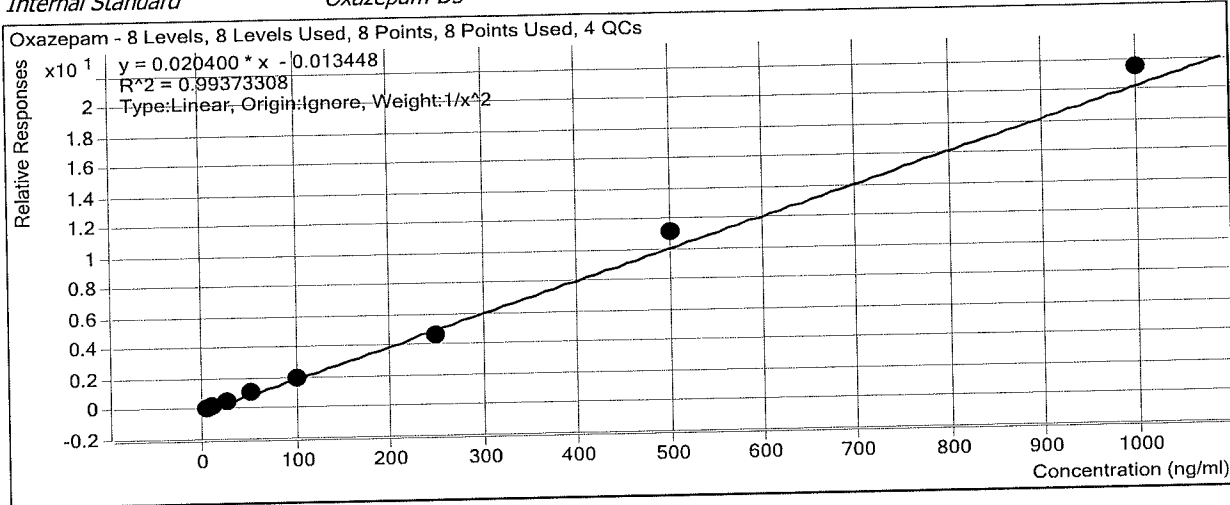
D:\2018 Data\092018 mdq\QuantResults\mdq p1b.batch.bin  
9/21/2018 8:47 AM

**Analyst Name**

ISP TOX

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

*Oxazepam*  
*Oxazepam-D5*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	104.7
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.3	92.6
b QC 10	2	<input checked="" type="checkbox"/>	10	10.3	103.2
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.6	94.3
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.9	101.8
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.3	100.3
b qc 100	5	<input checked="" type="checkbox"/>	100	104.9	104.9
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	226.9	90.8
b QC 250	6	<input checked="" type="checkbox"/>	250	235.6	94.2
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	551.1	110.2
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1053.9	105.4
b qc 1000	8	<input checked="" type="checkbox"/>	1000	2073.9	207.4

# ISP Forensics Calibration Curve Report

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

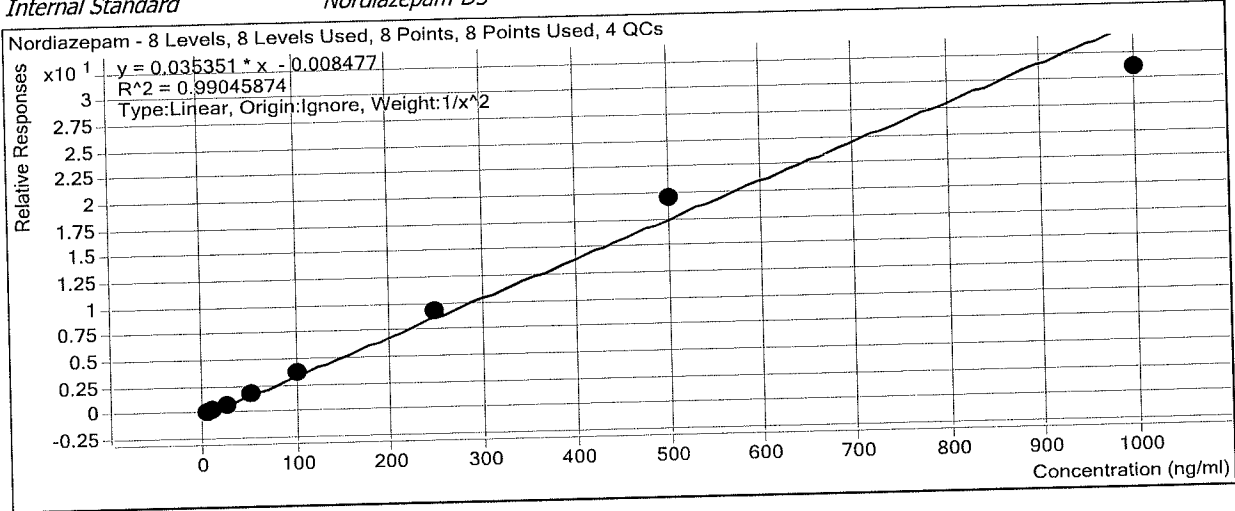
D:\2018 Data\092018 mdq\QuantResults\mdq p1b.batch.bin  
9/21/2018 8:47 AM

**Analyst Name**

ISP TOX

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

*Nordiazepam*  
*Nordiazepam-D5*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	103.0
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	97.9
b QC 10	2	<input checked="" type="checkbox"/>	10	9.8	97.7
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.0	87.9
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.8	99.6
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	107.7	107.7
b qc 100	5	<input checked="" type="checkbox"/>	100	103.0	103.0
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	263.8	105.5
b QC 250	6	<input checked="" type="checkbox"/>	250	283.6	113.5
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	552.7	110.5
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	878.8	87.9
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1122.1	112.2

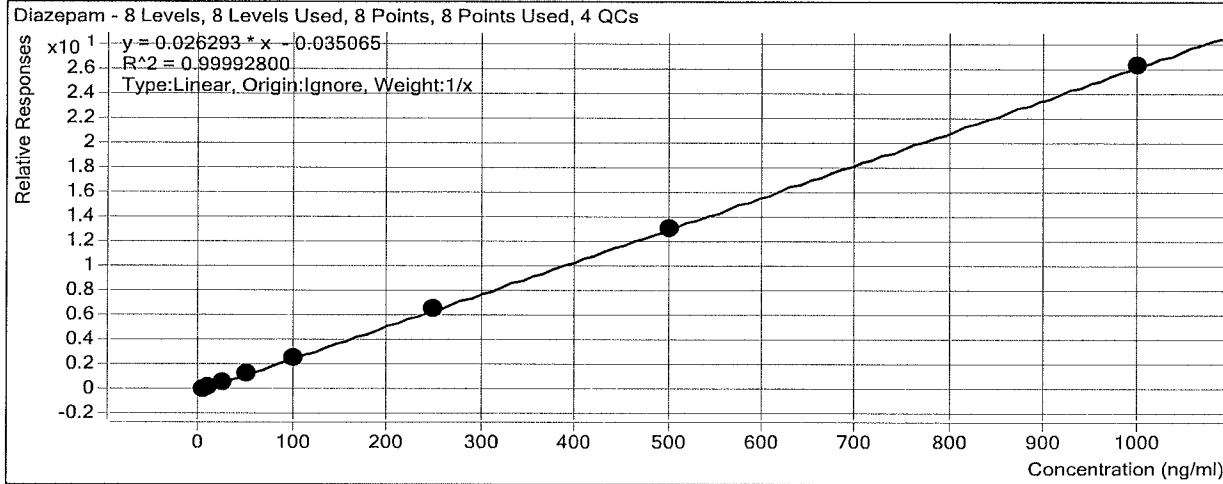
# ISP Forensics Calibration Curve Report

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

D:\2018 Data\092018 mdq\QuantResults\mdq p1b.batch.bin  
9/21/2018 8:47 AM

**Analyst Name**                      ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	103.5
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	101.5
b QC 10	2	<input checked="" type="checkbox"/>	10	9.4	93.6
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.5	94.0
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.6	101.3
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.9	99.9
b qc 100	5	<input checked="" type="checkbox"/>	100	101.7	101.7
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	248.4	99.4
b QC 250	6	<input checked="" type="checkbox"/>	250	258.7	103.5
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	502.3	100.5
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	999.9	100.0
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1111.6	111.2

# ISP FORENSICS - Cd'A Instrument # 62340

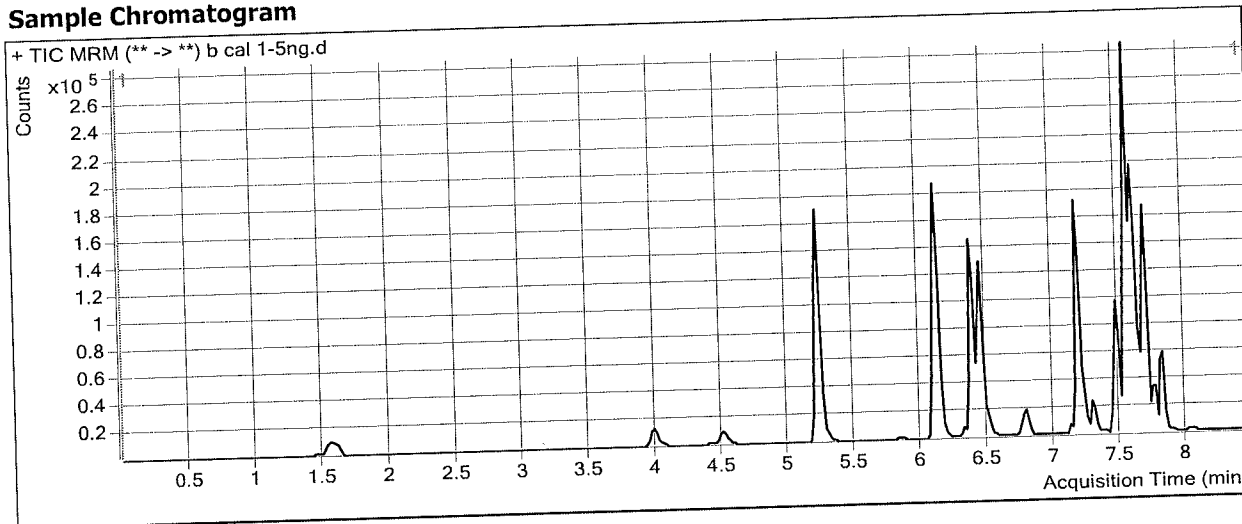
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	D:\2018 Data\092018 mdq\QuantResults\mdq p1b.batch.bin	<b>Analyst Name</b>	ISP Tox
<b>Analysis Time</b>	9/21/2018 8:47 AM	<b>Reporter Name</b>	ISP Tox
<b>Report Time</b>	9/21/2018 8:50 AM	<b>Batch State</b>	Processed
<b>Last Calib Update</b>	9/21/2018 8:47 AM		

### Analysis Info

<b>Acq Time</b>	2018-09-20 12:16	<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	1.568	5531	55456	0.0997	5.8489
Dihydrocodeine	Dihydrocodeine-D6	4.050	5291	53205	0.0995	4.9915
Noroxycodone	Noroxycodone-D3	4.558	4816	39618	0.1216	6.0361
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.239	48577	502437	0.0967	5.3165
Benzoyllecgonine	Benzoyllecgonine-d8	5.868	217	2755	0.0788	6.1408
Ketamine	Ketamine-D4	6.120	21927	190120	0.1153	5.0370
Norfentanyl	Norfentanyl-D5	6.144	3885	419361	0.0093	1.0371
Cocaine	Cocaine-d3	6.369	36744	394220	0.0932	5.0969
alpha-PVP	alpha-PVP-d8	6.465	36398	326924	0.1113	5.0050
Mirtazapine	alpha-PVP-d8	6.779	35478	326924	0.1085	5.7191
Norbuprenorphine	Norbuprenorphine-D3	7.133	201	17794	0.0113	0.4294
Fentanyl	Fentanyl-D5	7.196	4176	458148	0.0091	0.5695
Mitragynine	Dihydrocodeine-D6	7.274	10355	53205	0.1946	4.6245
EDDP	EDDP-D3	7.287	3177	37336	0.0851	6.4847
Quetiapine	Quetiapine-D8	7.477	56050	157374	0.3562	5.3824
Cyclobenzaprine	Cyclobenzaprine-D3	7.529	18837	208143	0.0905	5.1160
Methadone	Methadone-D9	7.560	35403	471240	0.0751	5.2469
Buprenorphine	Buprenorphine-D4	7.614	1237	118733	0.0104	0.4801
Fluoxetine	Fluoxetine-D6	7.602	29217	314523	0.0929	5.0687
Sertraline	Sertraline-D3	7.663	4271	44949	0.0950	6.3388
Temazepam	Temazepam-D5	7.685	31723	288240	0.1101	5.8877
Oxazepam	Oxazepam-D5	7.646	12580	134717	0.0934	5.2365
Nordiazepam	Nordiazepam-D5	7.773	11653	67147	0.1735	5.1491

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

Plb cal 1

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Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Diazepam	Diazepam-D5	7.829	12494	123712	0.1010	5.1749

# ISP FORENSICS - Cd'A Instrument # 62340

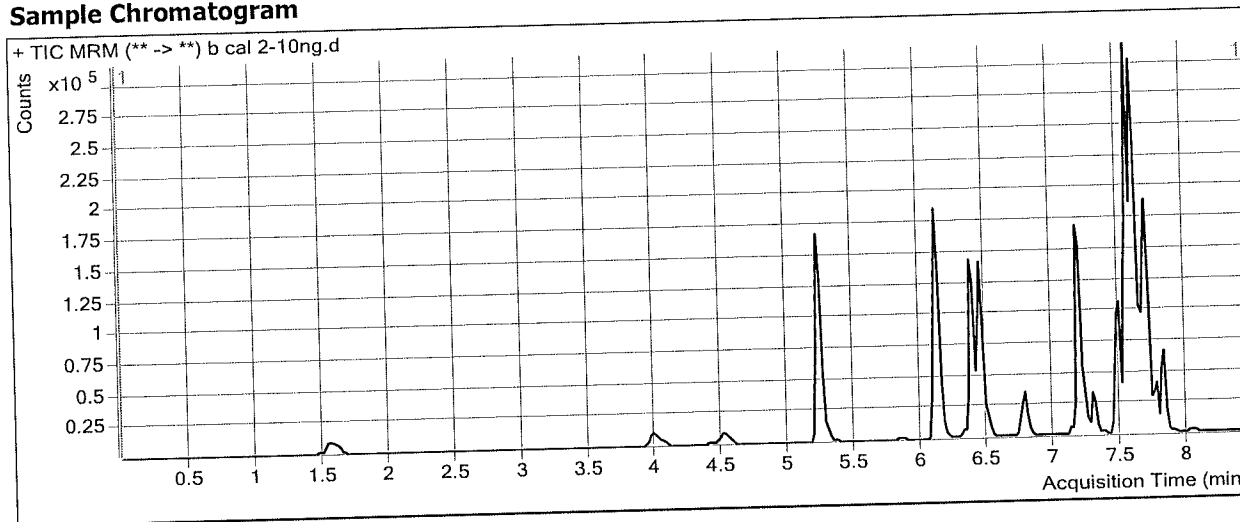
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	D:\2018 Data\092018 mdq\QuantResults\mdq p1b.batch.bin	<b>Analyst Name</b>	ISP Tox
<b>Analysis Time</b>	9/21/2018 8:47 AM	<b>Reporter Name</b>	ISP Tox
<b>Report Time</b>	9/21/2018 8:50 AM	<b>Batch State</b>	Processed
<b>Last Calib Update</b>	9/21/2018 8:47 AM		

### Analysis Info

<b>Acq Time</b>	2018-09-20 12:42	<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	1.588	9884	48677	0.2030	10.1726
Dihydrocodeine	Dihydrocodeine-D6	4.050	8832	47064	0.1877	9.4568
Noroxycodone	Noroxycodone-D3	4.558	8611	36746	0.2343	10.0635
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.259	88795	457188	0.1942	9.8841
Benzoylcegonine	Benzoylcegonine-d8	5.868	461	2756	0.1673	11.5609
Ketamine	Ketamine-D4	6.120	40869	172866	0.2364	9.8931
Norfentanyl	Norfentanyl-D5	6.144	7301	391977	0.0186	1.4301
Cocaine	Cocaine-d3	6.369	65671	361208	0.1818	9.6318
alpha-PVP	alpha-PVP-d8	6.465	72453	313157	0.2314	9.9612
Mirtazapine	alpha-PVP-d8	6.779	63683	313157	0.2034	9.7898
Norbuprenorphine	Norbuprenorphine-D3	7.133	409	17359	0.0236	1.0087
Fentanyl	Fentanyl-D5	7.196	9220	473041	0.0195	1.0381
Mitragynine	Dihydrocodeine-D6	7.274	22897	47064	0.4865	11.2362
EDDP	EDDP-D3	7.306	7790	39886	0.1953	10.7623
Quetiapine	Quetiapine-D8	7.477	101427	150237	0.6751	9.8463
Cyclobenzaprine	Cyclobenzaprine-D3	7.529	44340	225840	0.1963	9.8033
Methadone	Methadone-D9	7.560	72274	412989	0.1750	10.5680
Buprenorphine	Buprenorphine-D4	7.594	2895	117715	0.0246	1.0596
Fluoxetine	Fluoxetine-D6	7.602	95289	489125	0.1948	10.0564
Sertraline	Sertraline-D3	7.663	20669	100168	0.2063	10.6540
Temazepam	Temazepam-D5	7.705	54991	270239	0.2035	9.8586
Oxazepam	Oxazepam-D5	7.646	20705	118060	0.1754	9.2561
Nordiazepam	Nordiazepam-D5	7.773	20761	61509	0.3375	9.7878

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

*Plb cal 2*

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<b>Compound</b>	<b>ISTD Compound</b>	<b>RT</b>	<b>Response</b>	<b>ISTD Resp</b>	<b>Resp Ratio</b>	<b>Final Conc</b>
Diazepam	Diazepam-D5	7.829	26545	114543	0.2317	10.1477





# ISP FORENSICS - Cd'A Instrument # 62340

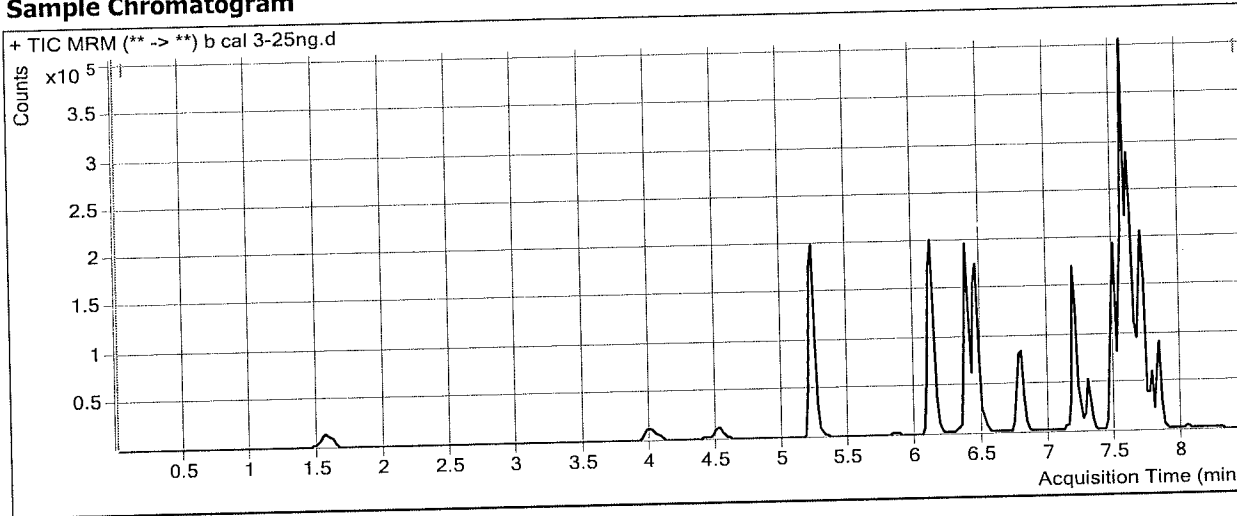
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	D:\2018 Data\092018 mdq\QuantResults\mdq p1b.batch.bin	<b>Analyst Name</b>	ISP Tox
<b>Analysis Time</b>	9/21/2018 8:47 AM	<b>Reporter Name</b>	ISP Tox
<b>Report Time</b>	9/21/2018 8:50 AM	<b>Batch State</b>	Processed
<b>Last Calib Update</b>	9/21/2018 8:47 AM		

### Analysis Info

<b>Acq Time</b>	2018-09-20 13:07	<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	1.568	24190	46988	0.5148	23.2194
Dihydrocodeine	Dihydrocodeine-D6	4.030	21963	46427	0.4731	23.9056
Noroxycodone	Noroxycodone-D3	4.538	19844	34215	0.5800	22.4074
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.239	227459	449712	0.5058	24.4745
Benzoylcegonine	Benzoylcegonine-d8	5.848	972	2614	0.3719	24.1000
Ketamine	Ketamine-D4	6.101	100101	166616	0.6008	24.5057
Norfentanyl	Norfentanyl-D5	6.144	19559	384671	0.0508	2.7830
Cocaine	Cocaine-d3	6.369	166075	352885	0.4706	24.4140
alpha-PVP	alpha-PVP-d8	6.465	178598	300748	0.5938	24.9289
Mirtazapine	alpha-PVP-d8	6.779	162181	300748	0.5393	24.2074
Norbuprenorphine	Norbuprenorphine-D3	7.133	811	15497	0.0524	2.3655
Fentanyl	Fentanyl-D5	7.196	20278	432039	0.0469	2.2775
Mitragynine	Dihydrocodeine-D6	7.274	52130	46427	1.1228	25.6504
EDDP	EDDP-D3	7.287	17605	34752	0.5066	22.8423
Quetiapine	Quetiapine-D8	7.477	249929	141583	1.7652	25.1029
Cyclobenzaprine	Cyclobenzaprine-D3	7.529	101306	202945	0.4992	23.2162
Methadone	Methadone-D9	7.560	184527	427292	0.4319	24.2522
Buprenorphine	Buprenorphine-D4	7.594	6811	106716	0.0638	2.6624
Fluoxetine	Fluoxetine-D6	7.602	176795	354629	0.4985	24.9191
Sertraline	Sertraline-D3	7.663	31091	61434	0.5061	22.2736
Temazepam	Temazepam-D5	7.705	135934	258165	0.5265	23.5884
Oxazepam	Oxazepam-D5	7.646	48789	104397	0.4673	23.5678
Nordiazepam	Nordiazepam-D5	7.773	42578	55429	0.7682	21.9697

Printed at: 8:52 AM on: 9/21/2018

ISP FORENSICS - Cd'A Instrument # 62340 *P1b cal 3*  
Multi-Drug Confirmatory Analysis Report

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Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Diazepam	Diazepam-D5	7.829	62312	106941	0.5827	23.4946



# ISP FORENSICS - Cd'A Instrument # 62340

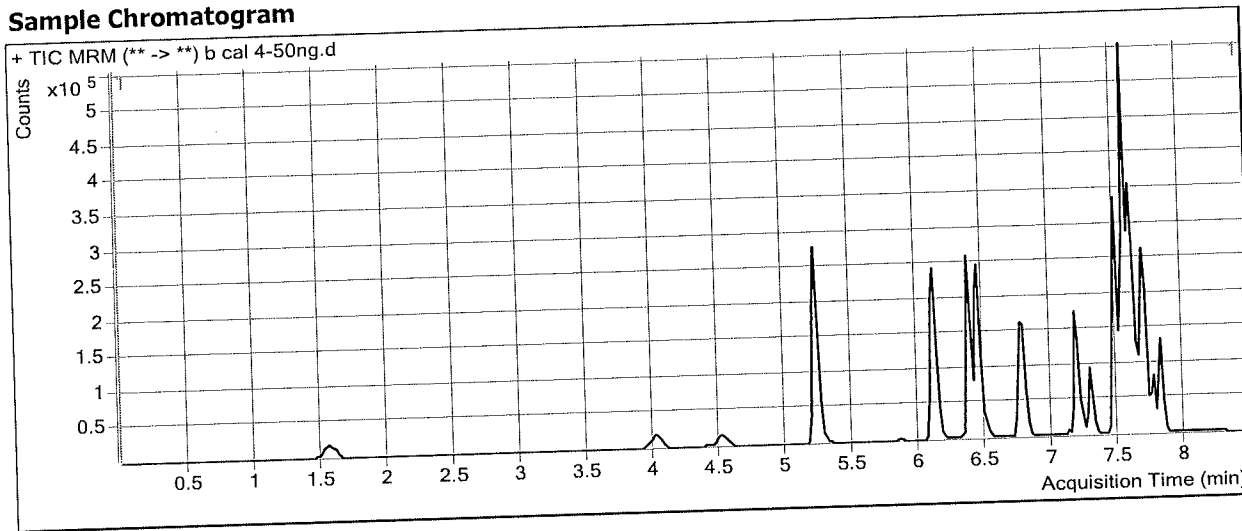
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2018 Data\092018 mdq\QuantResults\mdq p1b.batch.bin  
**Analysis Time** 9/21/2018 8:47 AM **Analyst Name** ISP Tox  
**Report Time** 9/21/2018 8:50 AM **Reporter Name** ISP Tox  
**Last Calib Update** 9/21/2018 8:47 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-09-20 13:32 **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

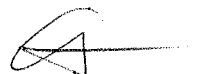
Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.568	48204	44884	1.0740	46.6196
Dihydrocodeine	Dihydrocodeine-D6	4.030	43823	43850	0.9994	50.5485
Noroxycodone	Noroxycodone-D3	4.538	40028	31868	1.2560	46.5518
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.239	449335	432124	1.0398	49.4831
Benzoylcegonine	Benzoylcegonine-d8	5.868	1687	2412	0.6993	44.1685
Ketamine	Ketamine-D4	6.101	200945	161031	1.2479	50.4563
Norfentanyl	Norfentanyl-D5	6.144	37411	363827	0.1028	4.9654
Cocaine	Cocaine-d3	6.369	321554	325674	0.9873	50.8620
alpha-PVP	alpha-PVP-d8	6.465	342218	282223	1.2126	50.4776
Mirtazapine	alpha-PVP-d8	6.760	320148	282223	1.1344	49.7517
Norbuprenorphine	Norbuprenorphine-D3	7.113	1776	16004	0.1110	5.1294
Fentanyl	Fentanyl-D5	7.196	42015	414074	0.1015	4.7400
Mitragynine	Dihydrocodeine-D6	7.274	102366	43850	2.3344	53.0953
EDDP	EDDP-D3	7.287	38388	38546	0.9959	41.8317
Quetiapine	Quetiapine-D8	7.477	483861	138894	3.4837	49.1528
Cyclobenzaprine	Cyclobenzaprine-D3	7.529	200648	183382	1.0942	49.5669
Methadone	Methadone-D9	7.560	333865	356850	0.9356	51.0899
Buprenorphine	Buprenorphine-D4	7.594	11799	102404	0.1152	4.7625
Fluoxetine	Fluoxetine-D6	7.602	320249	319541	1.0022	49.5673
Sertraline	Sertraline-D3	7.663	46591	43360	1.0745	44.3076
Temazepam	Temazepam-D5	7.705	249431	236215	1.0560	46.0885
Oxazepam	Oxazepam-D5	7.646	86839	84762	1.0245	50.8799
Nordiazepam	Nordiazepam-D5	7.773	89738	51198	1.7528	49.8224

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

*plb caly*

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<b>Compound</b>	<b>ISTD Compound</b>	<b>RT</b>	<b>Response</b>	<b>ISTD Resp</b>	<b>Resp Ratio</b>	<b>Final Conc</b>
Diazepam	Diazepam-D5	7.829	125620	96886	1.2966	50.6467



# ISP FORENSICS - Cd'A Instrument # 62340

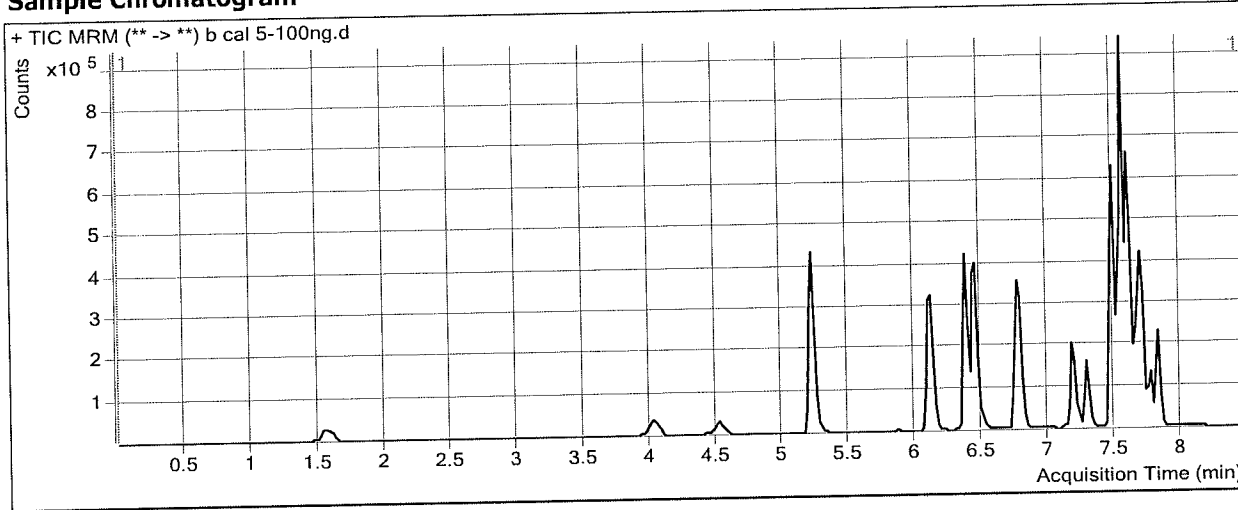
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	D:\2018 Data\092018 mdq\QuantResults\mdq p1b.batch.bin		
<b>Analysis Time</b>	9/21/2018 8:47 AM	<b>Analyst Name</b>	ISP Tox
<b>Report Time</b>	9/21/2018 8:50 AM	<b>Reporter Name</b>	ISP Tox
<b>Last Calib Update</b>	9/21/2018 8:47 AM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2018-09-20 13:58	<b>Data File</b>	b cal 5-100ng.d
<b>Sample Type</b>	Calibration	<b>Sample Name</b>	b cal 5-100ng
<b>Dilution</b>	1	<b>Acq Method</b>	b1 mdq 618.m
<b>Position</b>	P2-E1	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	AM 28 Panel 1

### Sample Chromatogram



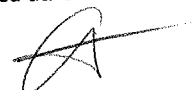
### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.588	96348	43240	2.2282	94.9246
Dihydrocodeine	Dihydrocodeine-D6	4.030	91634	44426	2.0626	104.3737
Noroxycodone	Noroxycodone-D3	4.538	78849	30038	2.6249	95.4386
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.239	925302	442349	2.0918	98.7454
Benzoyllecgonine	Benzoyllecgonine-d8	5.848	3761	2590	1.4519	90.2923
Ketamine	Ketamine-D4	6.101	416705	165701	2.5148	101.2656
Norfentanyl	Norfentanyl-D5	6.144	75341	364574	0.2067	9.3248
Cocaine	Cocaine-d3	6.369	674980	333029	2.0268	104.0639
alpha-PVP	alpha-PVP-d8	6.465	717252	291136	2.4636	102.1357
Mirtazapine	alpha-PVP-d8	6.760	658779	291136	2.2628	98.1857
Norbuprenorphine	Norbuprenorphine-D3	7.133	3607	15330	0.2353	10.9911
Fentanyl	Fentanyl-D5	7.196	90551	432180	0.2095	9.6196
Mitragynine	Dihydrocodeine-D6	7.274	217276	44426	4.8908	111.0007
EDDP	EDDP-D3	7.287	64172	27512	2.3326	93.7073
Quetiapine	Quetiapine-D8	7.477	1010493	132637	7.6185	107.0204
Cyclobenzaprine	Cyclobenzaprine-D3	7.529	438837	192834	2.2757	101.8979
Methadone	Methadone-D9	7.560	678010	405318	1.6728	90.3658
Buprenorphine	Buprenorphine-D4	7.594	27338	106780	0.2560	10.5156
Fluoxetine	Fluoxetine-D6	7.602	841653	411962	2.0430	100.5007
Sertraline	Sertraline-D3	7.663	164194	71341	2.3015	91.8711
Temazepam	Temazepam-D5	7.705	484380	215101	2.2519	96.9156
Oxazepam	Oxazepam-D5	7.646	131110	64506	2.0325	100.2918
Nordiazepam	Nordiazepam-D5	7.773	173319	45639	3.7977	107.6682

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

*PIB cal 5*

<b>Compound</b>	<b>ISTD Compound</b>	<b>RT</b>	<b>Response</b>	<b>ISTD Resp</b>	<b>Resp Ratio</b>	<b>Final Conc</b>
Diazepam	Diazepam-D5	7.829	258008	99519	2.5926	99.9370



# ISP FORENSICS - Cd'A Instrument # 62340

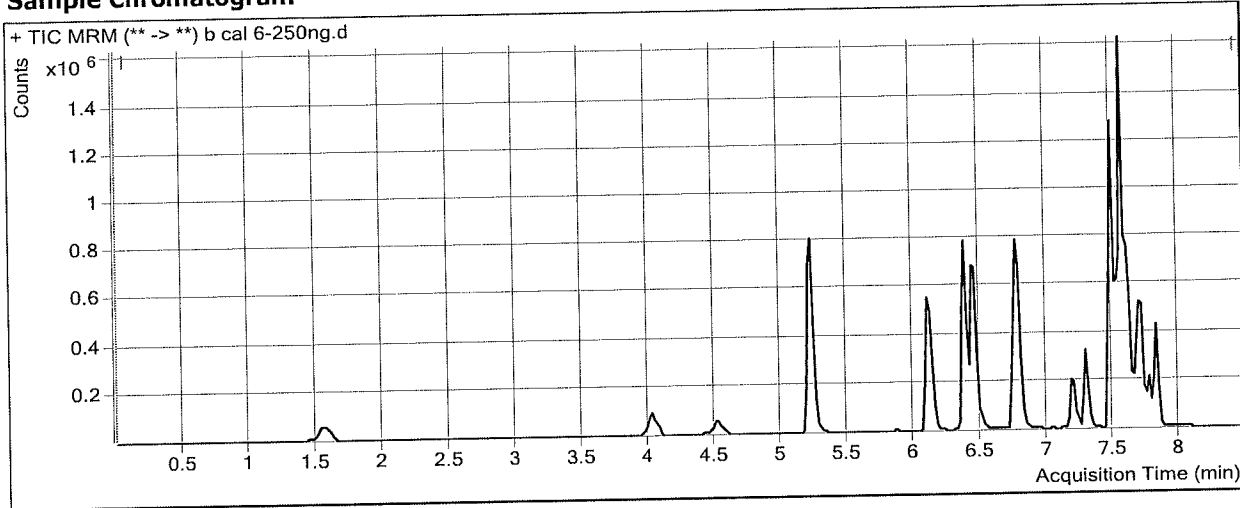
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2018 Data\092018 mdq\QuantResults\mdq p1b.batch.bin  
**Analysis Time** 9/21/2018 8:47 AM **Analyst Name** ISP Tox  
**Report Time** 9/21/2018 8:50 AM **Reporter Name** ISP Tox  
**Last Calib Update** 9/21/2018 8:47 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-09-20 14:23 **Data File** b cal 6-250ng.d  
**Sample Type** Calibration **Sample Name** b cal 6-250ng  
**Dilution** 1 **Acq Method** b1 mdq 618.m  
**Position** P2-F1 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28 Panel 1

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.568	217128	37347	5.8138	244.9750
Dihydrocodeine	Dihydrocodeine-D6	4.030	221946	42637	5.2055	263.4756
Noroxycodone	Noroxycodone-D3	4.538	169461	25019	6.7732	243.5844
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.239	2235729	425578	5.2534	246.8002
Benzoylcegonine	Benzoylcegonine-d8	5.848	8165	2215	3.6863	227.2340
Ketamine	Ketamine-D4	6.101	952719	149776	6.3609	255.5109
Norfentanyl	Norfentanyl-D5	6.144	179672	323638	0.5552	23.9577
Cocaine	Cocaine-d3	6.369	1498187	308297	4.8596	249.0540
alpha-PVP	alpha-PVP-d8	6.465	1454900	248315	5.8591	242.3401
Mirtazapine	alpha-PVP-d8	6.760	1358332	248315	5.4702	235.8558
Norbuprenorphine	Norbuprenorphine-D3	7.113	6697	13255	0.5052	23.7150
Fentanyl	Fentanyl-D5	7.196	182132	336106	0.5419	24.6289
Mitragynine	Dihydrocodeine-D6	7.274	416109	42637	9.7594	221.2829
EDDP	EDDP-D3	7.287	159956	28069	5.6987	224.3450
Quetiapine	Quetiapine-D8	7.477	1841151	123901	14.8599	208.3655
Cyclobenzaprine	Cyclobenzaprine-D3	7.529	782755	135292	5.7857	257.3498
Methadone	Methadone-D9	7.560	1401205	329114	4.2575	228.0726
Buprenorphine	Buprenorphine-D4	7.614	48928	81947	0.5971	24.4511
Fluoxetine	Fluoxetine-D6	7.602	1116440	221667	5.0366	246.9918
Sertraline	Sertraline-D3	7.663	151227	25519	5.9261	232.3743
Temazepam	Temazepam-D5	7.705	892315	158182	5.6411	240.9574
Oxazepam	Oxazepam-D5	7.646	156115	33822	4.6158	226.9226
Nordiazepam	Nordiazepam-D5	7.773	317470	34072	9.3177	263.8204

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

*PI b 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	7.829	530320	81626	6.4970	248.4337





# ISP FORENSICS - Cd'A Instrument # 62340

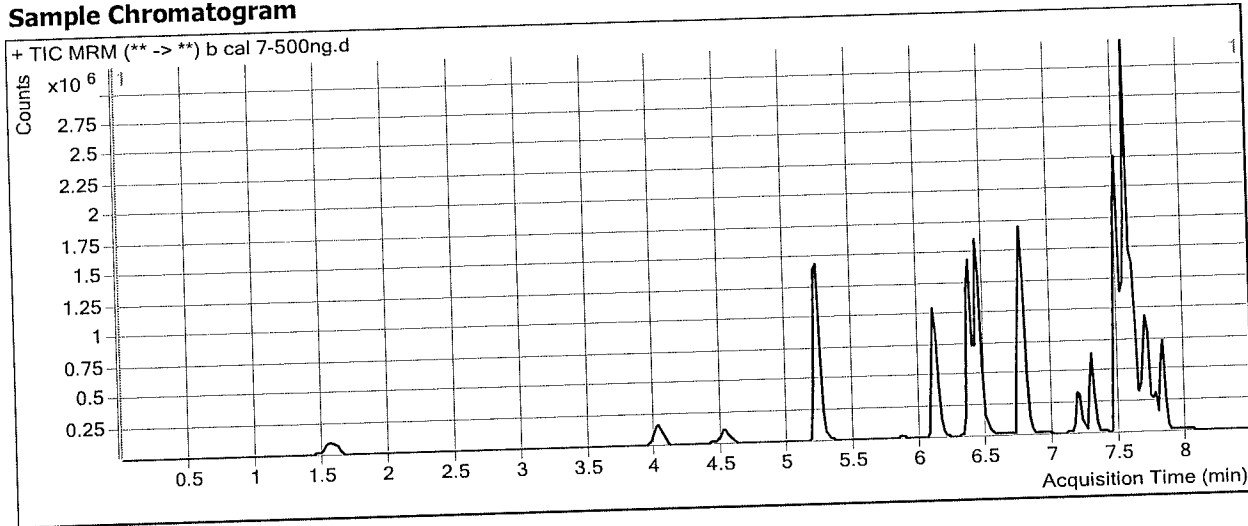
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	D:\2018 Data\092018 mdq\QuantResults\mdq p1b.batch.bin	<b>Analyst Name</b>	ISP Tox
<b>Analysis Time</b>	9/21/2018 8:47 AM	<b>Reporter Name</b>	ISP Tox
<b>Report Time</b>	9/21/2018 8:50 AM	<b>Batch State</b>	Processed
<b>Last Calib Update</b>	9/21/2018 8:47 AM		

### Analysis Info

<b>Acq Time</b>	2018-09-20 14:49	<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	1.568	424265	35038	12.1087	508.4120
Dihydrocodeine	Dihydrocodeine-D6	4.030	446149	44461	10.0346	507.9422
Noroxycodone	Noroxycodone-D3	4.538	331586	23094	14.3579	514.4594
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.239	4623749	433999	10.6538	499.6972
Benzoyllecgonine	Benzoyllecgonine-d8	5.848	21708	3177	6.8319	420.0178
Ketamine	Ketamine-D4	6.101	2037254	162923	12.5044	501.8890
Norfentanyl	Norfentanyl-D5	6.144	354562	309013	1.1474	48.8240
Cocaine	Cocaine-d3	6.369	3213526	322359	9.9688	510.5615
alpha-PVP	alpha-PVP-d8	6.445	3444918	281316	12.2457	506.0565
Mirtazapine	alpha-PVP-d8	6.760	3087179	281316	10.9741	472.0962
Norbuprenorphine	Norbuprenorphine-D3	7.113	14517	13499	1.0754	50.5931
Fentanyl	Fentanyl-D5	7.196	398212	356886	1.1158	50.5459
Mitragynine	Dihydrocodeine-D6	7.274	851832	44461	19.1591	434.2035
EDDP	EDDP-D3	7.287	341233	26547	12.8539	502.0356
Quetiapine	Quetiapine-D8	7.477	4231116	115535	36.6221	512.9329
Cyclobenzaprine	Cyclobenzaprine-D3	7.529	1513063	131954	11.4666	508.9557
Methadone	Methadone-D9	7.560	3373288	324208	10.4047	555.5782
Buprenorphine	Buprenorphine-D4	7.594	101433	84797	1.1962	48.9311
Fluoxetine	Fluoxetine-D6	7.602	2071817	204355	10.1383	496.6530
Sertraline	Sertraline-D3	7.663	302453	23139	13.0713	509.3476
Temazepam	Temazepam-D5	7.705	1583143	129298	12.2442	521.5919
Oxazepam	Oxazepam-D5	7.646	247973	22082	11.2296	551.1266
Nordiazepam	Nordiazepam-D5	7.773	497724	25484	19.5304	552.7195

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

81 b cal 7

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<b>Compound</b>	<b>ISTD Compound</b>	<b>RT</b>	<b>Response</b>	<b>ISTD Resp</b>	<b>Resp Ratio</b>	<b>Final Conc</b>
Diazepam	Diazepam-D5	7.829	1076268	81715	13.1710	502.2686



# ISP FORENSICS - Cd'A Instrument # 62340

## Multi-Drug Confirmatory Analysis Report

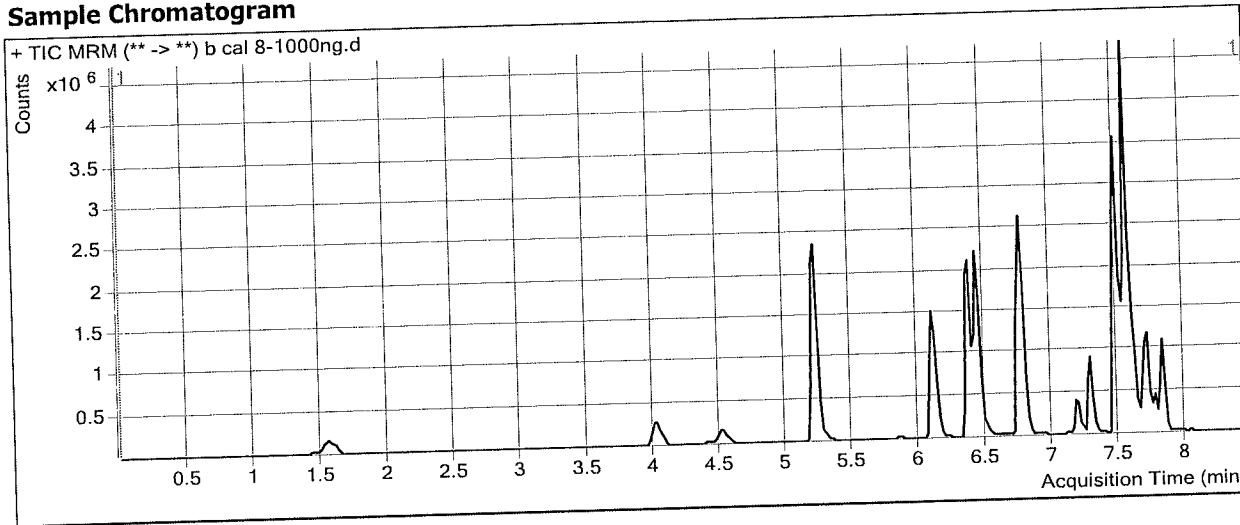


**Batch Data Path** D:\2018 Data\092018 mdq\QuantResults\mdq p1b.batch.bin  
**Analysis Time** 9/21/2018 8:47 AM **Analyst Name** ISP Tox  
**Report Time** 9/21/2018 8:50 AM **Reporter Name** ISP Tox  
**Last Calib Update** 9/21/2018 8:47 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-09-20 15:14 **Data File** b cal 8-1000ng.d  
**Sample Type** Calibration **Sample Name** b cal 8-1000ng  
**Dilution** 1 **Acq Method** b1 mdq 618.m  
**Position** P2-H1 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28 Panel 1

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.568	691669	28826	23.9947	1005.8279
Dihydrocodeine	Dihydrocodeine-D6	4.030	744777	38656	19.2669	975.3061
Noroxycodone	Noroxycodone-D3	4.518	515349	18409	27.9944	1001.4588
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.239	7846049	365664	21.4570	1005.5990
Benzoylcegonine	Benzoylcegonine-d8	5.848	37846	2080	18.1958	1116.4857
Ketamine	Ketamine-D4	6.101	3204734	131812	24.3129	975.4576
Norfentanyl	Norfentanyl-D5	6.144	607699	250158	2.4293	102.6451
Cocaine	Cocaine-d3	6.369	4853232	257324	18.8604	965.6639
alpha-PVP	alpha-PVP-d8	6.445	4846663	201554	24.0464	993.3301
Mirtazapine	alpha-PVP-d8	6.760	4899244	201554	24.3073	1044.3942
Norbuprenorphine	Norbuprenorphine-D3	7.113	24084	11817	2.0380	95.9691
Fentanyl	Fentanyl-D5	7.196	564135	253685	2.2238	100.5804
Mitragynine	Dihydrocodeine-D6	7.254	1161549	38656	30.0485	680.8663
EDDP	EDDP-D3	7.287	674187	25285	26.6638	1037.9912
Quetiapine	Quetiapine-D8	7.477	6696174	91715	73.0105	1022.1970
Cyclobenzaprine	Cyclobenzaprine-D3	7.529	1759675	77233	22.7839	1010.1890
Methadone	Methadone-D9	7.560	5215844	285426	18.2739	974.8264
Buprenorphine	Buprenorphine-D4	7.614	147872	63340	2.3346	95.4457
Fluoxetine	Fluoxetine-D6	7.602	1920801	93462	20.5517	1006.2431
Sertraline	Sertraline-D3	7.663	213504	8113	26.3179	1022.8328
Temazepam	Temazepam-D5	7.705	2363229	101054	23.3858	995.1119
Oxazepam	Oxazepam-D5	7.646	329016	15313	21.4865	1053.9153
Nordiazepam	Nordiazepam-D5	7.773	609456	19624	31.0563	878.7629



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

pl b 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	7.829	1628263	62017	26.2550	999.8969

