

**Worklist: 2105**

*B. Wylee*

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>	
C2017-2544	1	104084	AM 28 Blood Multi-Drug Quant	
C2017-2577	1	104085	AM 28 Blood Multi-Drug Quant	
C2017-2578	1	104086	AM 28 Blood Multi-Drug Quant	
C2017-2586	1	104087	AM 28 Blood Multi-Drug Quant	
C2017-2587	1	104088	AM 28 Blood Multi-Drug Quant	
C2017-2588	1	104089	AM 28 Blood Multi-Drug Quant	
C2017-2589	1	104090	AM 28 Blood Multi-Drug Quant	
C2017-2591	1	104091	AM 28 Blood Multi-Drug Quant	
C2017-2620	1	104092	AM 28 Blood Multi-Drug Quant	
C2017-2622	1	104093	AM 28 Blood Multi-Drug Quant	
C2017-2623	1	104094	AM 28 Blood Multi-Drug Quant	
C2017-2634	1	104095	AM 28 Blood Multi-Drug Quant	
M2017-5510	1	104096	AM 28 Blood Multi-Drug Quant	
M2017-5557	2	104097	AM 28 Blood Multi-Drug Quant	
M2017-5914	2	104098	AM 28 Blood Multi-Drug Quant	



# Multi-Drug Quantitation in Blood by LC-MS/M

Extraction Date: 1-3-18  
Plate lot#: 0507680

Analyst: Anne Nord  
Plate Expiration: 5/31/2018 6/5/2018 amn

**Mobile phase A:** 5mM Amm Form + 0.01% FA  
0.5M Ammonium Hydroxide  
20% Methanol in Water

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

**Blank Blood Lot:** 321632-1      **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: 2609543** <sup>390993 amn</sup> in wells of analytical (standards) plate.
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes. *Shaker ID: 66759*
- 4. Pipette **250µL 00.5M ammonium hydroxide** in wells of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 6. Transfer **300µL of blood+base** mixture to corresponding wells of SLE+ plate.
- 7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent).  
*(Load at 85-100 PSI- Selector to the right) Manifold ID: 66792*
- 8. Wait 5 minutes.
- 9. Add **900uL ethyl acetate**.
- 10. Wait 5 minutes.
- 11. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left).*
- 12. Add **900uL ethyl acetate**.
- 13. Wait 5 minutes.
- 14. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left).*
- 15. Remove plate containing eluate. Place on SPE Dry and evaporate to dryness at approx. 35°C.  
*SPE Dry ID: 66819*
- 16. Reconstitute in **100µL 20% MeOH** and heat seal plate with foil. Place in autosampler and run worklist.

## Post-Analytic

- 1. Create batch and process data.  
Worklist path: 01032018 mda      Batch Name: 01032018 mda pla <sup>01032018 mda pla</sup>
- 2. Make necessary changes to integration limits
- 3. Integration linear and  $r^2$  values  $\geq 0.98$  for each analyte.
- 4. For unknown samples and controls: response ratio within 20% of average of controls and standards, RT within +/- 5%, S/N for primary and secondary transitions  $> 10$ .
- 5. Did all QCs pass for each analyte? Y/N \_\_\_\_\_
- 6. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

COMMENTS: Curve range: Lorazepam 10-100  
Nabupropfen - 2.5-100  
Norfentanyl - 2.5-100

Toxicology AM method 28 panel 1 external prep information

working solution 10000 ng/ml in meoh morphine, dextromethorphan, lorazepam, oxazepam  
Stock solution 1mg/ml 100 ul each in 9600 ul meOH lot (Fisher 168427)

Ppd 8/17/17 Exp: 2/17/18 lot 21718 by AMN

Drug	lot	expiration
Morphine	fe08141515	11/1/2020
dextromethorphan	fn07231501	7/1/2020
Lorazepam	fe04231401	5/1/2019
Oxazepam	fe08141401	10/1/2018

AM 28 control 50 ul working solution lot (21717) in 9950 ul blood lot (321632)  
ppd 8/17/17 Exp 2/17/18 by AMN Concentration 50 ng/ml each

# ISP FORENSICS - Cd'A Instrument # 62340

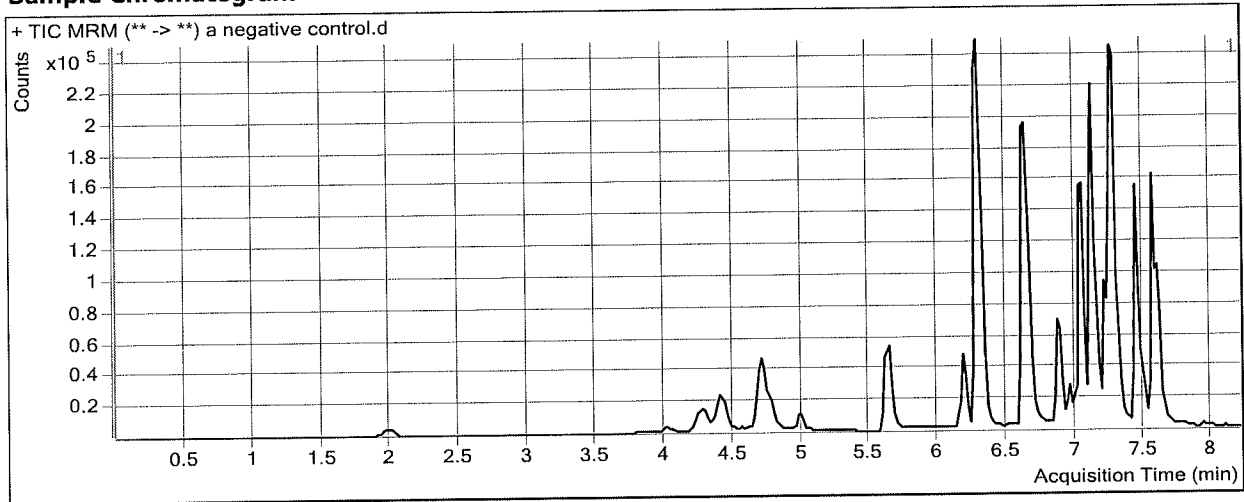
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1a.batch.bin  
**Analysis Time** 1/4/2018 7:34 AM **Analyst Name** ISP Tox  
**Report Time** 1/4/2018 7:39 AM **Reporter Name** ISP Tox  
**Last Calib Update** 1/4/2018 7:34 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-01-03 16:44 **Data File** a negative control.d  
**Sample Type** Sample **Sample Name** a negative control  
**Dilution** 1 **Acq Method** Quant Panel 1a 10-17.m  
**Position** P1-E2 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28 Panel 1

### Sample Chromatogram



# ISP FORENSICS - Cd'A Instrument # 62340

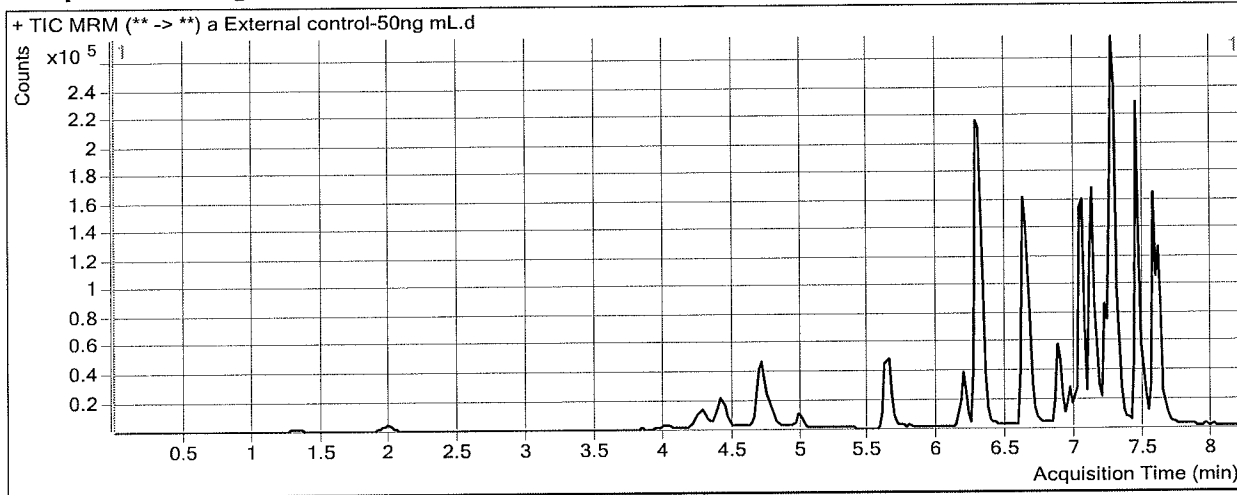
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1a.batch.bin  
**Analysis Time** 1/4/2018 7:34 AM **Analyst Name** ISP Tox  
**Report Time** 1/4/2018 7:39 AM **Reporter Name** ISP Tox  
**Last Calib Update** 1/4/2018 7:34 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-01-03 17:10 **Data File** a External control-50ng mL.d  
**Sample Type** Sample **Sample Name** a External control-50ng mL  
**Dilution** 1 **Acq Method** Quant Panel 1a 10-17.m  
**Position** P1-F2 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28; lot 21718 50 ng morphine, dextromethorphan lorazepam

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.328	6211	2058	3.0177	31.5439
Dextromethorphan	Dextromethorphan-D3	7.268	49510	61671	0.8028	38.7594
Lorazepam	Alprazolam-D5	7.602	44017	201138	0.2188	52.0629

# ISP FORENSICS - Cd'A Instrument # 62340

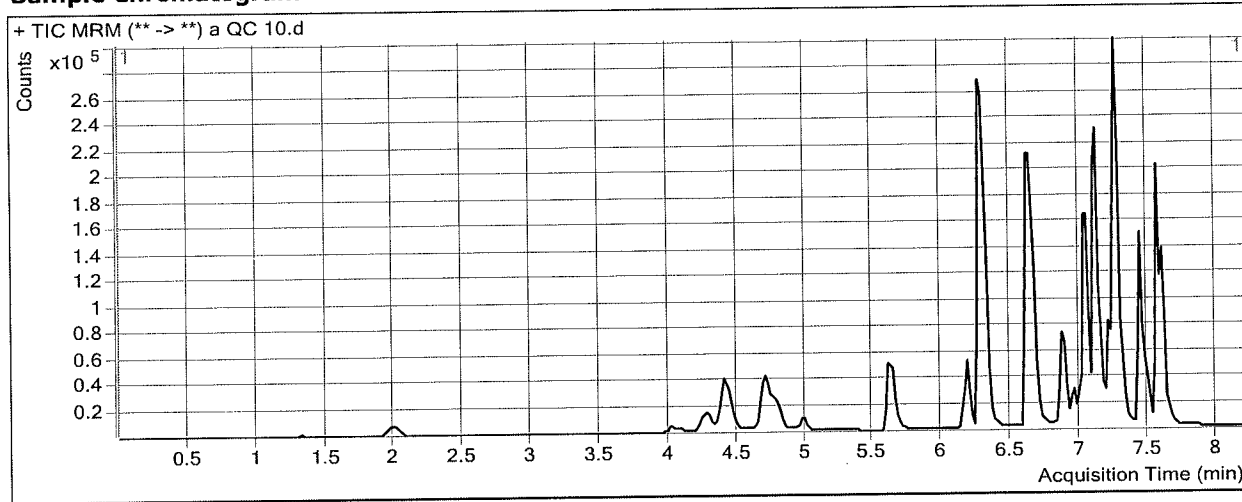
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1a.batch.bin  
**Analysis Time** 1/4/2018 7:34 AM **Analyst Name** ISP Tox  
**Report Time** 1/4/2018 7:39 AM **Reporter Name** ISP Tox  
**Last Calib Update** 1/4/2018 7:34 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-01-03 17:35 **Data File** a QC 10.d  
**Sample Type** QC **Sample Name** a QC 10  
**Dilution** 1 **Acq Method** Quant Panel 1a 10-17.m  
**Position** P1-A2 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28 Panel 1

### Sample Chromatogram




### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.328	1645	1842	0.8931	10.4125
Hydromorphone	Hydromorphone-D6	2.009	8491	27608	0.3076	9.8930
Codeine	Codeine-D6	4.095	3757	16451	0.2284	9.7927
Amphetamine	Amphetamine-D11	4.423	59900	61247	0.9780	9.9413
Oxycodone	Oxycodone-D6	4.469	18921	80883	0.2339	9.8986
Hydrocodone	Hydrocodone-D6	4.774	14083	79321	0.1775	9.6262
Norhydrocodone	Norhydrocodone-D3	4.799	1185	28206	0.0420	9.5649
Methamphetamine	Methamphetamine-D11	4.821	31569	115570	0.2732	9.6693
6-MAM	6-MAM-D6	5.008	625	28229	0.0221	0.9327
Phentermine	Phentermine-D5	5.686	11927	188769	0.0632	9.7865
Dextrophan	Dextrophan-D3	6.183	13453	117121	0.1149	9.6614
7-aminoclonazepam	7-Aminoclonazepam-D4	6.292	20604	95132	0.2166	9.2144
Tramadol	Tramadol-13C-D3	6.302	128569	663471	0.1938	9.8663
Doxylamine	Doxylamine-D5	6.641	119779	622286	0.1925	9.4451
Bupropion	Bupropion-D9	6.890	40526	203574	0.1991	9.6401
Meprobamate	Meprobamate-D7	6.992	8239	57973	0.1421	10.1489
Zolpidem	Zolpidem-D6	7.041	89067	462290	0.1927	9.5758
Venlafaxine	Venlafaxine-D6	7.125	114487	545782	0.2098	10.1492
Citalopram	Citalopram-D6	7.237	49536	231226	0.2142	9.9914
Dextromethorphan	Dextromethorphan-D3	7.268	10728	51389	0.2088	11.5106
Trazodone	Trazodone-D6	7.235	42572	208972	0.2037	9.8752
Diphenhydramine	Diphenhydramine-D3	7.291	79998	415606	0.1925	10.0025
Promethazine	Promethazine-D3	7.446	48173	257147	0.1873	11.3332

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

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Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.482	23054	36344	0.6343	8.9683
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.560	6949	35094	0.1980	10.2167
Carisoprodol	Carisoprodol-D7	7.572	52244	282071	0.1852	10.0938
Lorazepam	Alprazolam-D5	7.602	14285	181804	0.0786	8.8545
Alprazolam	Alprazolam-D5	7.626	42194	181804	0.2321	9.4891



# ISP FORENSICS - Cd'A Instrument # 62340

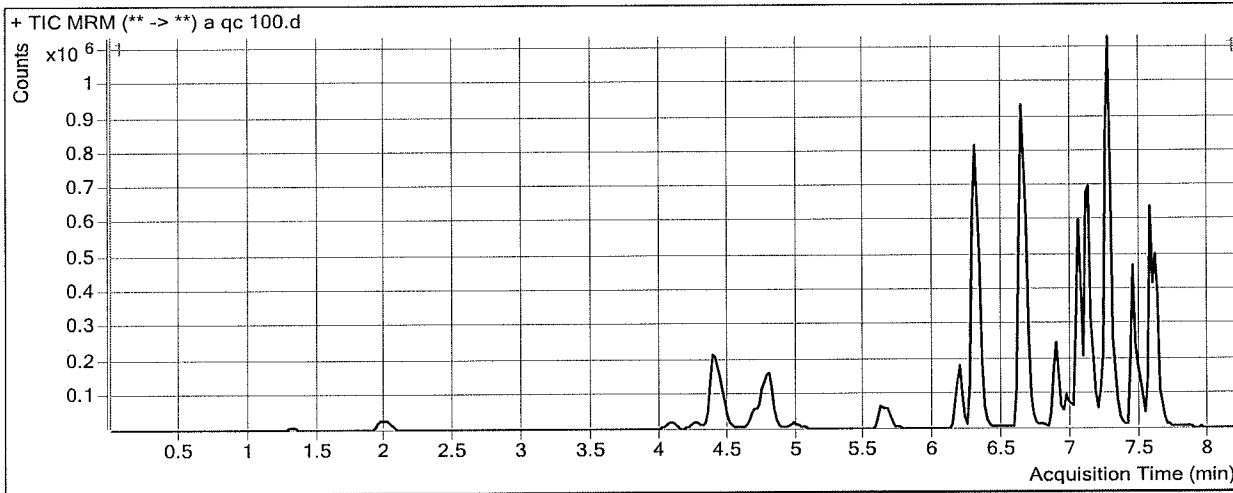
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1a.batch.bin  
**Analysis Time** 1/4/2018 7:34 AM **Analyst Name** ISP Tox  
**Report Time** 1/4/2018 7:39 AM **Reporter Name** ISP Tox  
**Last Calib Update** 1/4/2018 7:34 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-01-03 21:11 **Data File** a qc 100.d  
**Sample Type** QC **Sample Name** a qc 100  
**Dilution** 1 **Acq Method** Quant Panel 1a 10-17.m  
**Position** P1-B2 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28 Panel 1

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.328	17902	2051	8.7299	88.3563
Hydromorphone	Hydromorphone-D6	1.989	91142	30464	2.9918	97.9575
Codeine	Codeine-D6	4.076	40992	18094	2.2655	88.8497
Amphetamine	Amphetamine-D11	4.403	547754	70061	7.8182	97.9498
Oxycodone	Oxycodone-D6	4.449	225867	95998	2.3528	98.0721
Hydrocodone	Hydrocodone-D6	4.754	165547	91239	1.8144	103.3067
Norhydrocodone	Norhydrocodone-D3	4.799	13223	30065	0.4398	97.0298
Methamphetamine	Methamphetamine-D11	4.802	393368	143332	2.7445	102.8589
6-MAM	6-MAM-D6	4.988	7577	32248	0.2350	9.1414
Phentermine	Phentermine-D5	5.666	133860	212022	0.6313	104.1520
Dextropran	Dextropran-D3	6.183	163052	139983	1.1648	93.7061
7-aminoclonazepam	7-Aminoclonazepam-D4	6.292	225067	100509	2.2393	107.6326
Tramadol	Tramadol-13C-D3	6.302	1420755	761749	1.8651	96.8415
Doxylamine	Doxylamine-D5	6.641	1401036	725486	1.9312	95.2171
Bupropion	Bupropion-D9	6.890	411502	205757	1.9999	96.3003
Meprobamate	Meprobamate-D7	6.972	98610	62613	1.5749	103.4560
Zolpidem	Zolpidem-D6	7.041	1010907	522159	1.9360	97.8992
Venlafaxine	Venlafaxine-D6	7.125	1281223	594672	2.1545	96.9238
Citalopram	Citalopram-D6	7.237	547777	268566	2.0396	95.2728
Dextromethorphan	Dextromethorphan-D3	7.268	117616	60392	1.9475	91.2666
Trazodone	Trazodone-D6	7.235	543714	261211	2.0815	106.3305
Diphenhydramine	Diphenhydramine-D3	7.271	888836	472911	1.8795	94.7837
Promethazine	Promethazine-D3	7.446	628968	323721	1.9429	109.8749



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

a QC 100

<b>Compound</b>	<b>ISTD Compound</b>	<b>RT</b>	<b>Response</b>	<b>ISTD Resp</b>	<b>Resp Ratio</b>	<b>Final Conc</b>
Clonazepam	Clonazepam-D4	7.482	197486	30379	6.5009	90.6095
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.540	65609	32819	1.9991	90.3545
Carisoprodol	Carisoprodol-D7	7.572	511892	288710	1.7730	94.8805
Lorazepam	Alprazolam-D5	7.602	72723	184040	0.3951	106.3746
Alprazolam	Alprazolam-D5	7.626	441775	184040	2.4004	96.1021

# ISP FORENSICS - Cd'A Instrument # 62340

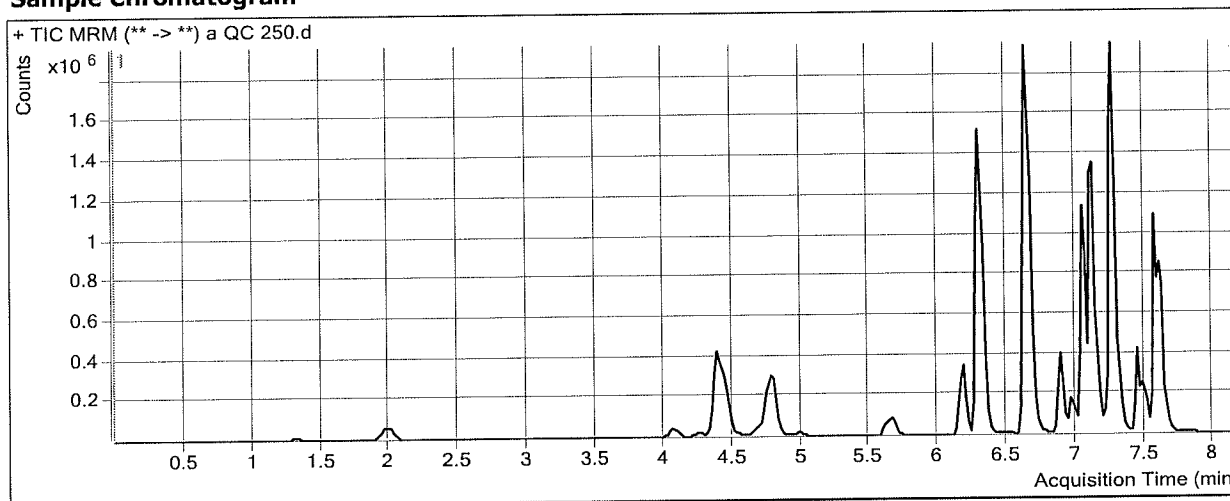
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1a.batch.bin  
**Analysis Time** 1/4/2018 7:34 AM **Analyst Name** ISP Tox  
**Report Time** 1/4/2018 7:39 AM **Reporter Name** ISP Tox  
**Last Calib Update** 1/4/2018 7:34 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-01-03 23:55 **Data File** a QC 250.d  
**Sample Type** QC **Sample Name** a QC 250  
**Dilution** 1 **Acq Method** Quant Panel 1a 10-17.m  
**Position** P1-C2 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28 Panel 1

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.328	42327	1949	21.7139	217.4920
Hydromorphone	Hydromorphone-D6	1.989	211645	28065	7.5413	247.2227
Codeine	Codeine-D6	4.076	94287	15853	5.9478	231.7498
Amphetamine	Amphetamine-D11	4.403	1140825	60201	18.9502	241.1773
Oxycodone	Oxycodone-D6	4.449	541141	91004	5.9464	247.6087
Hydrocodone	Hydrocodone-D6	4.754	380372	86662	4.3891	250.6594
Norhydrocodone	Norhydrocodone-D3	4.799	29441	29174	1.0091	222.2109
Methamphetamine	Methamphetamine-D11	4.802	686097	105489	6.5040	244.6253
6-MAM	6-MAM-D6	4.988	17978	31165	0.5768	22.3260
Phentermine	Phentermine-D5	5.666	275352	181733	1.5151	250.9388
Dextroprphan	Dextroprphan-D3	6.183	386583	128293	3.0133	241.6743
7-aminoclonazepam	7-Aminoclonazepam-D4	6.292	466171	87023	5.3568	259.3251
Tramadol	Tramadol-13C-D3	6.302	3183006	695453	4.5769	237.9592
Doxylamine	Doxylamine-D5	6.641	3357197	682737	4.9173	242.5253
Bupropion	Bupropion-D9	6.890	770162	153911	5.0039	240.8559
Meprobamate	Meprobamate-D7	6.972	225652	57057	3.9549	258.4449
Zolpidem	Zolpidem-D6	7.041	2294066	465850	4.9245	249.3038
Venlafaxine	Venlafaxine-D6	7.125	2959297	557748	5.3058	237.5354
Citalopram	Citalopram-D6	7.237	1089223	196700	5.5375	258.6900
Dextromethorphan	Dextromethorphan-D3	7.268	197152	39784	4.9555	229.2405
Trazodone	Trazodone-D6	7.235	1220083	242255	5.0364	258.1105
Diphenhydramine	Diphenhydramine-D3	7.291	1742556	381556	4.5670	229.8430
Promethazine	Promethazine-D3	7.446	620948	138059	4.4977	253.2744

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

a QC 250

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.482	377984	19980	18.9180	263.4119
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.540	127587	24710	5.1634	231.1436
Carisoprodol	Carisoprodol-D7	7.572	1067197	221999	4.8072	256.9017
<del>Lorazepam</del>	<del>Alprazolam-D5</del>	<del>7.602</del>	<del>99394</del>	<del>146825</del>	<del>0.6770</del>	<del>193.1854</del>
Alprazolam	Alprazolam-D5	7.626	905312	146825	6.1659	246.5133

outside  
curve range  
A

# ISP FORENSICS - Cd'A Instrument # 62340

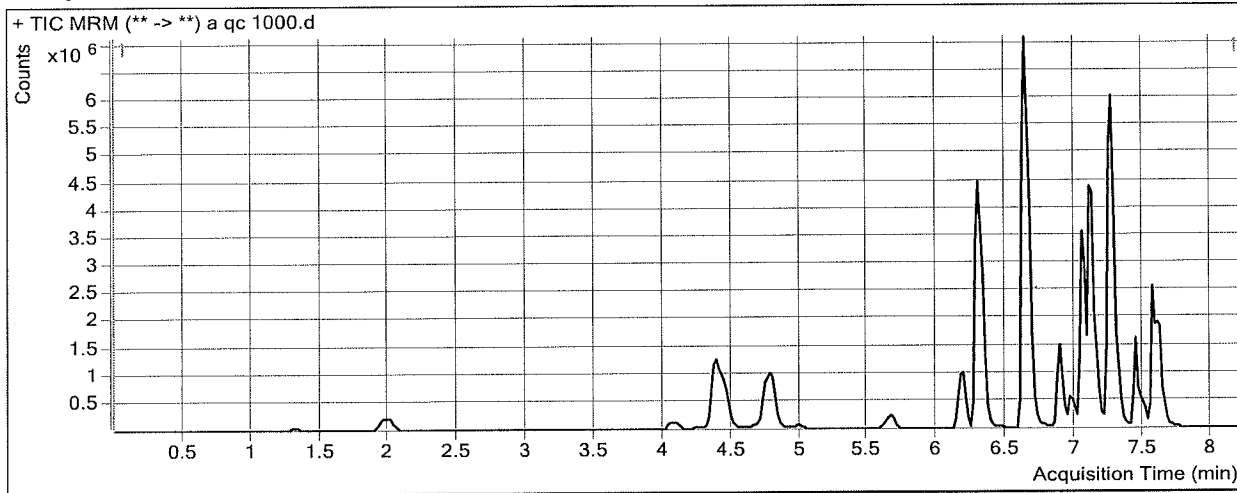
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1a.batch.bin		
<b>Analysis Time</b>	1/4/2018 7:34 AM	<b>Analyst Name</b>	ISP Tox
<b>Report Time</b>	1/4/2018 7:39 AM	<b>Reporter Name</b>	ISP Tox
<b>Last Calib Update</b>	1/4/2018 7:34 AM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2018-01-04 00:21	<b>Data File</b>	a qc 1000.d
<b>Sample Type</b>	QC	<b>Sample Name</b>	a qc 1000
<b>Dilution</b>	1	<b>Acq Method</b>	Quant Panel 1a 10-17.m
<b>Position</b>	P1-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
Morphine	Morphine-D6	1.328	155435	1697	91.6140	912.7026
Hydromorphone	Hydromorphone-D6	1.989	823972	25979	31.7168	1040.3843
Codeine	Codeine-D6	4.076	336432	12890	26.1007	1013.8469
Amphetamine	Amphetamine-D11	4.403	3668768	55370	66.2596	849.8736
Oxycodone	Oxycodone-D6	4.449	2175808	90647	24.0032	999.0035
Hydrocodone	Hydrocodone-D6	4.754	1367655	79604	17.1808	982.7352
Norhydrocodone	Norhydrocodone-D3	4.799	99193	19114	5.1896	1141.3962
Methamphetamine	Methamphetamine-D11	4.802	2522388	108942	23.1535	872.4560
6-MAM	6-MAM-D6	4.988	70646	27362	2.5819	99.6553
Phentermine	Phentermine-D5	5.666	975969	166183	5.8729	974.7034
Dextrorphan	Dextrorphan-D3	6.183	1374519	104711	13.1268	1051.2405
7-aminoclonazepam	7-Aminoclonazepam-D4	6.292	1304633	67863	19.2246	934.0920
Tramadol	Tramadol-13C-D3	6.302	12073624	619749	19.4815	1013.5822
Doxylamine	Doxylamine-D5	6.641	13302751	688422	19.3235	953.2071
Bupropion	Bupropion-D9	6.890	3090910	154502	20.0056	962.7522
Meprobamate	Meprobamate-D7	6.992	803104	49457	16.2385	1058.3822
Zolpidem	Zolpidem-D6	7.041	8200352	429010	19.1146	968.2186
Venlafaxine	Venlafaxine-D6	7.125	10649270	509670	20.8944	933.1050
Citalopram	Citalopram-D6	7.237	3124119	143997	21.6957	1013.5918
Dextromethorphan	Dextromethorphan-D3	7.268	756668	34040	22.2288	1021.5581
Trazodone	Trazodone-D6	7.235	4623355	312576	14.7911	759.1768
Diphenhydramine	Diphenhydramine-D3	7.291	6605827	348027	18.9808	954.2104
Promethazine	Promethazine-D3	7.446	2639152	140665	18.7620	1053.9302

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

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Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.482	729496	9333	78.1638	1087.9038
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.560	349589	17071	20.4784	912.5648
Carisoprodol	Carisoprodol-D7	7.572	2676971	150230	17.8192	951.7194
<del>Lorazepam</del>	<del>Alprazolam-D5</del>	<del>7.602</del>	<del>310100</del>	<del>92177</del>	<del>3.3642</del>	<del>1020.9847</del>
Alprazolam	Alprazolam-D5	7.626	2400339	92177	26.0406	1040.3966

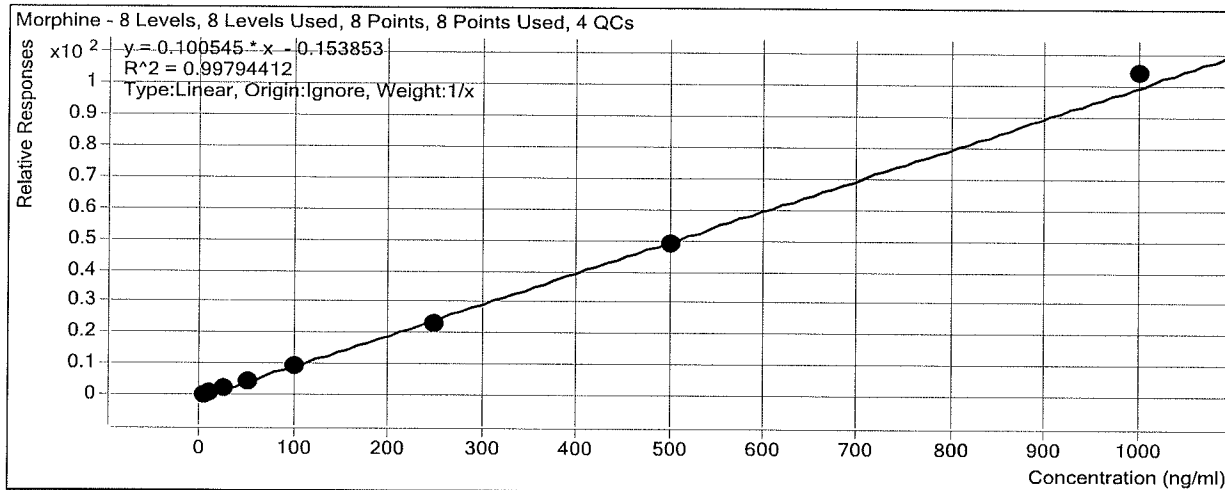
*Outside  
curve range  
A*

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1a.batch.bin

**Last Calib Update** 1/4/2018 7:34 AM **Analyst Name** ISP TOX

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



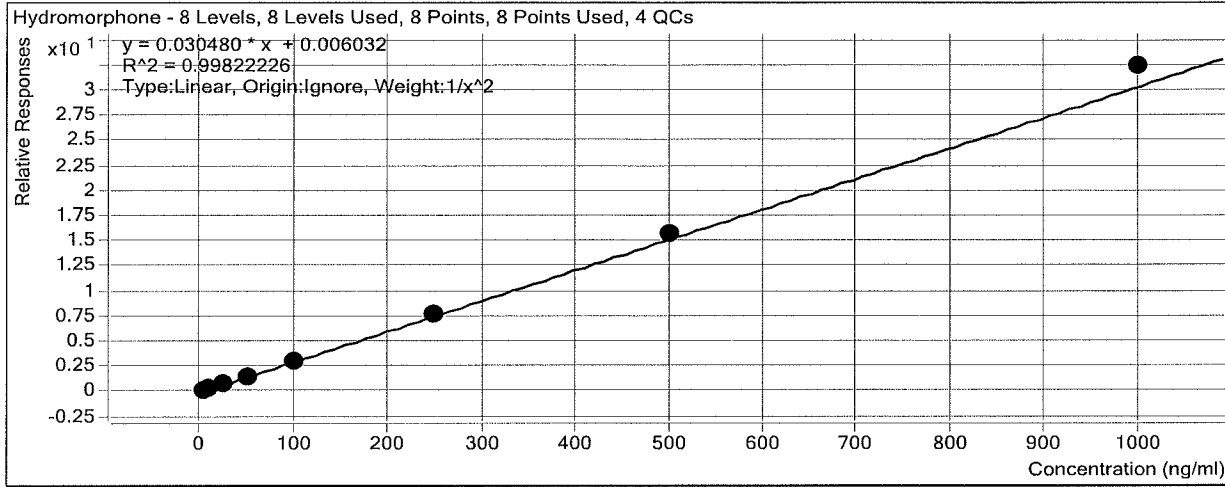
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.9	117.4
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.6	106.2
a QC 10	2	<input checked="" type="checkbox"/>	10	10.4	104.1
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.0	96.2
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.1	92.1
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	92.8	92.8
a qc 100	5	<input checked="" type="checkbox"/>	100	88.4	88.4
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	235.0	94.0
a QC 250	6	<input checked="" type="checkbox"/>	250	217.5	87.0
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	488.2	97.6
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1037.5	103.7
a qc 1000	8	<input checked="" type="checkbox"/>	1000	912.7	91.3

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1a.batch.bin

**Last Calib Update** 1/4/2018 7:34 AM **Analyst Name** ISP TOX

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



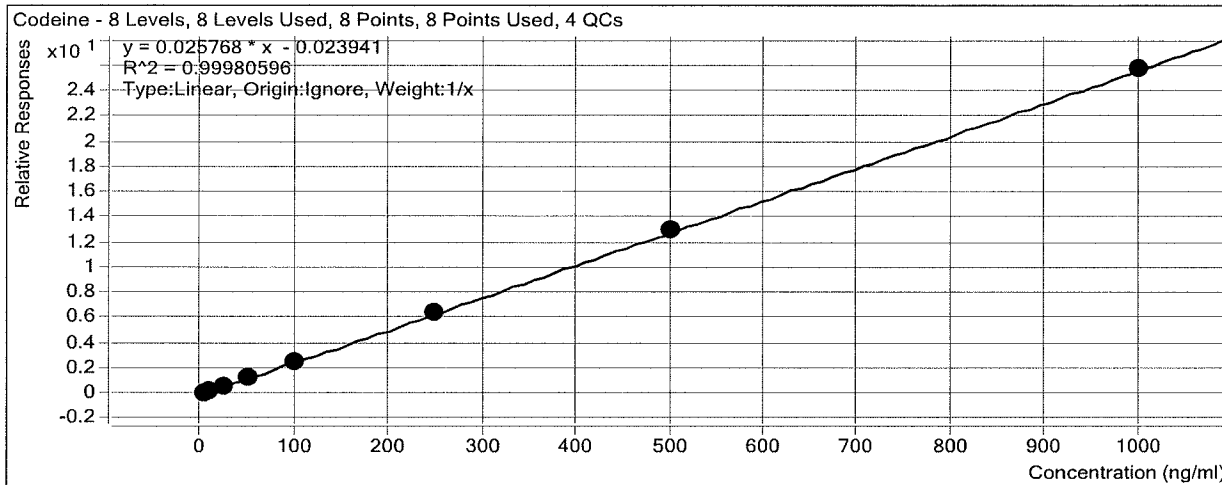
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	101.2
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	100.3
a QC 10	2	<input checked="" type="checkbox"/>	10	9.9	98.9
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.9	95.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.6	95.2
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.1	98.1
a qc 100	5	<input checked="" type="checkbox"/>	100	98.0	98.0
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	251.0	100.4
a QC 250	6	<input checked="" type="checkbox"/>	250	247.2	98.9
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	515.1	103.0
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1060.9	106.1
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1040.4	104.0

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1a.batch.bin

**Last Calib Update** 1/4/2018 7:34 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.4	108.6
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	98.4
a QC 10	2	<input checked="" type="checkbox"/>	10	9.8	97.9
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.9	99.5
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.6	95.2
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.8	97.8
a qc 100	5	<input checked="" type="checkbox"/>	100	88.8	88.8
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	247.5	99.0
a QC 250	6	<input checked="" type="checkbox"/>	250	231.7	92.7
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	507.6	101.5
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	999.3	99.9
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1013.8	101.4



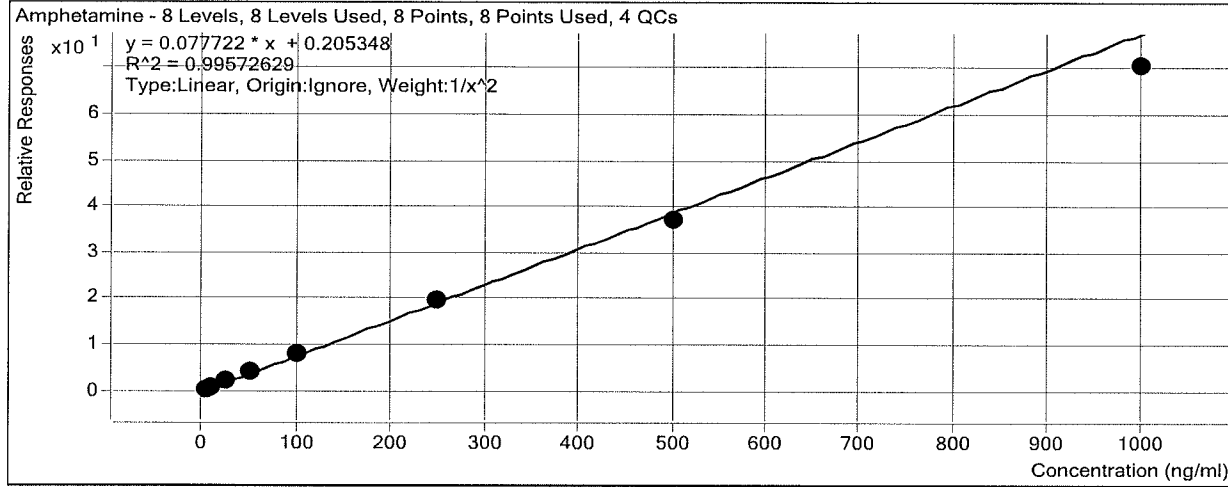
# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1a.batch.bin

**Last Calib Update** 1/4/2018 7:34 AM

**Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.8	95.6
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.6	106.2
a QC 10	2	<input checked="" type="checkbox"/>	10	9.9	99.4
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.0	104.1
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.9	103.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	104.8	104.8
a qc 100	5	<input checked="" type="checkbox"/>	100	97.9	97.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	249.5	99.8
a QC 250	6	<input checked="" type="checkbox"/>	250	241.2	96.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	477.1	95.4
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	903.5	90.4
a qc 1000	8	<input checked="" type="checkbox"/>	1000	849.9	85.0

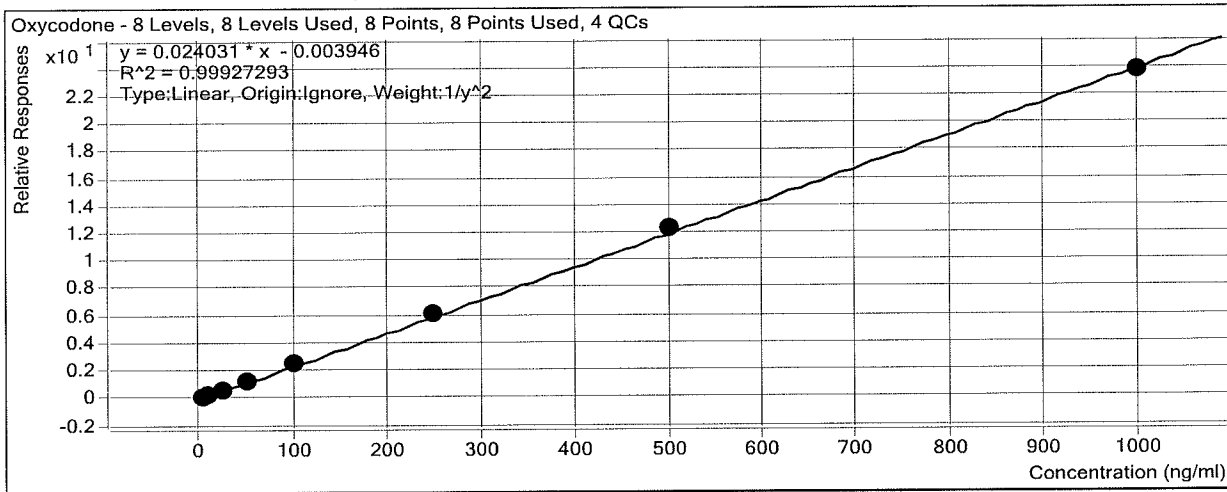
# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1a.batch.bin

**Last Calib Update** 1/4/2018 7:34 AM

**Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.9
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	99.8
a QC 10	2	<input checked="" type="checkbox"/>	10	9.9	99.0
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.1	96.5
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.8	97.7
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.4	102.4
a qc 100	5	<input checked="" type="checkbox"/>	100	98.1	98.1
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	255.5	102.2
a QC 250	6	<input checked="" type="checkbox"/>	250	247.6	99.0
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	512.8	102.6
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	987.7	98.8
a qc 1000	8	<input checked="" type="checkbox"/>	1000	999.0	99.9

# ISP Forensics Calibration Curve Report

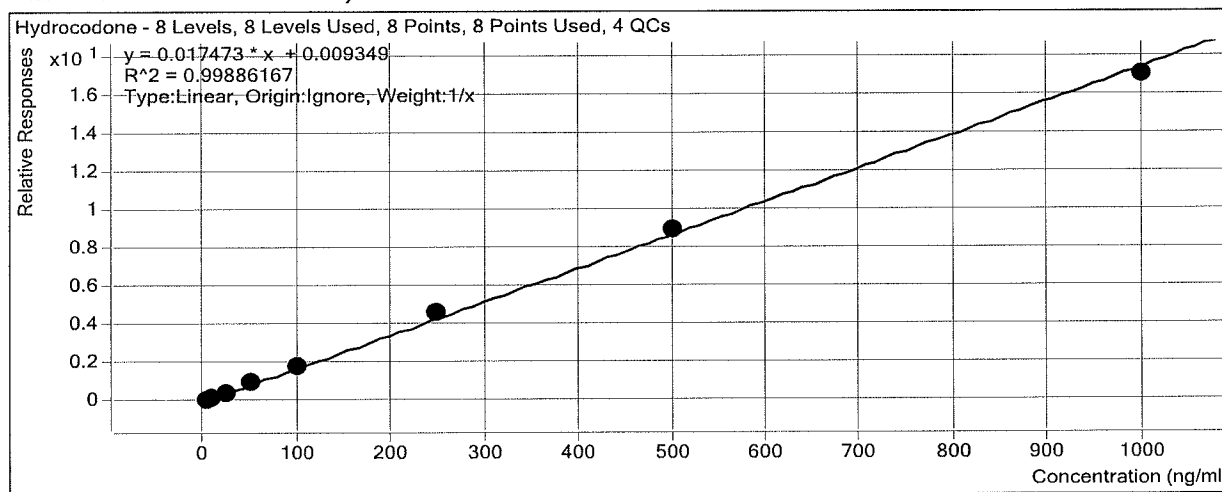
**Batch Data Path** D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1a.batch.bin

**Last Calib Update** 1/4/2018 7:34 AM

**Analyst Name** ISP TOX

**Target Compound** Hydrocodone

**Internal Standard** Hydrocodone-D6



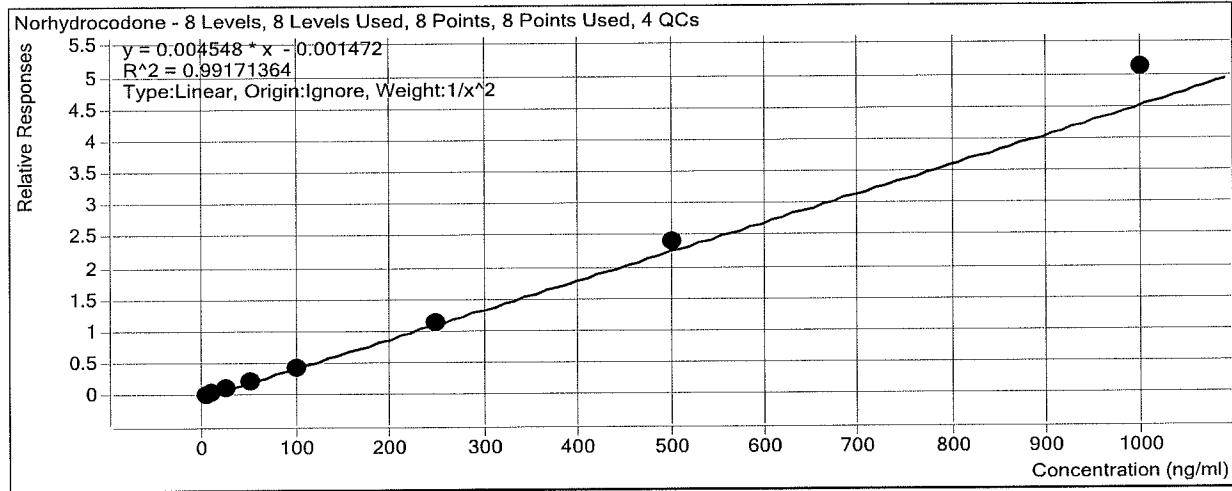
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.5	90.7
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	98.7
a QC 10	2	<input checked="" type="checkbox"/>	10	9.6	96.3
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.4	97.4
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.8	105.5
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.4	103.4
a qc 100	5	<input checked="" type="checkbox"/>	100	103.3	103.3
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	261.7	104.7
a QC 250	6	<input checked="" type="checkbox"/>	250	250.7	100.3
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	512.3	102.5
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	971.1	97.1
a qc 1000	8	<input checked="" type="checkbox"/>	1000	982.7	98.3

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1a.batch.bin

**Last Calib Update** 1/4/2018 7:34 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 checked="" type="checkbox"/>	5	5.3	106.2
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.3	92.8
a QC 10	2	<input type="checkbox"/>	10	9.6	95.6
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.5	90.0
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.0	94.0
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	96.3	96.3
a qc 100	5	<input checked="" type="checkbox"/>	100	97.0	97.0
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	253.6	101.4
a QC 250	6	<input checked="" type="checkbox"/>	250	222.2	88.9
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	533.7	106.7
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1124.2	112.4
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1141.4	114.1

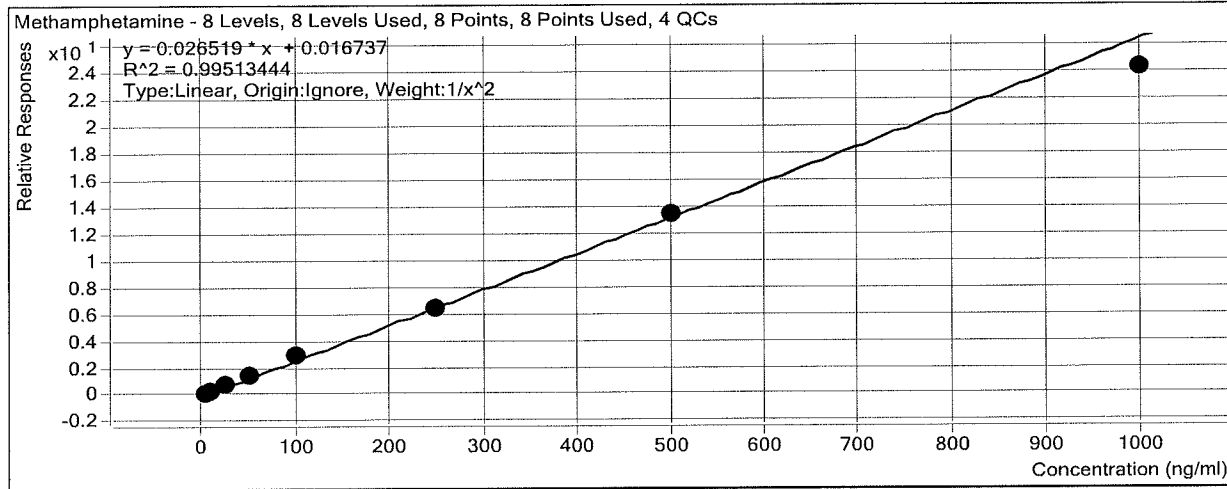
# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1a.batch.bin

**Last Calib Update** 1/4/2018 7:34 AM

**Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.2
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.4	93.7
a QC 10	2	<input checked="" type="checkbox"/>	10	9.7	96.7
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.9	99.7
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	53.5	106.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	108.5	108.5
a qc 100	5	<input checked="" type="checkbox"/>	100	102.9	102.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	240.6	96.2
a QC 250	6	<input checked="" type="checkbox"/>	250	244.6	97.9
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	507.8	101.6
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	912.3	91.2
a qc 1000	8	<input checked="" type="checkbox"/>	1000	872.5	87.2

# ISP Forensics Calibration Curve Report

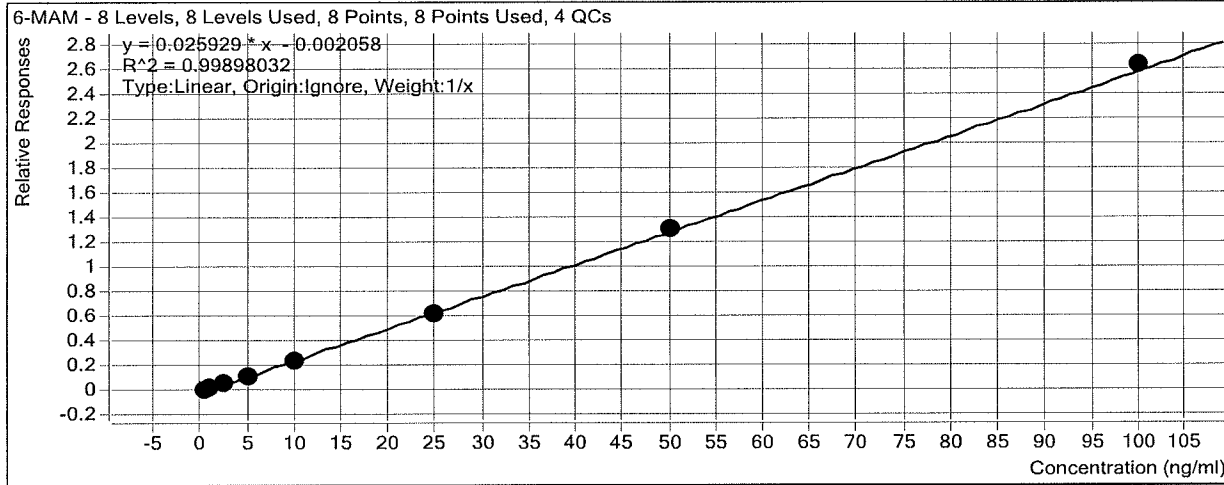
**Batch Data Path** D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1a.batch.bin

**Last Calib Update** 1/4/2018 7:34 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 checked="" type="checkbox"/>	0.5	0.6	125.3
a cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.0	97.5
a QC 10	2	<input checked="" type="checkbox"/>	1	0.9	93.3
a cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.3	90.8
a cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.7	95.0
a cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.2	92.1
a qc 100	5	<input checked="" type="checkbox"/>	10	9.1	91.4
a cal 6-250ng	6	<input checked="" type="checkbox"/>	25	24.2	96.8
a QC 250	6	<input checked="" type="checkbox"/>	25	22.3	89.3
a cal 7-500ng	7	<input checked="" type="checkbox"/>	50	50.6	101.2
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	101.4	101.4
a qc 1000	8	<input checked="" type="checkbox"/>	100	99.7	99.7

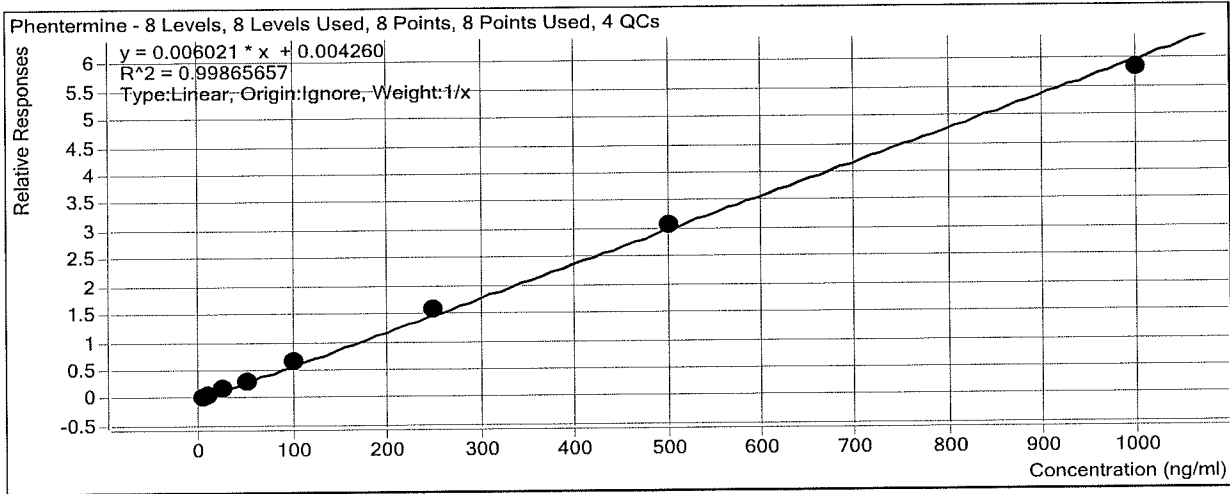
# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1a.batch.bin

**Last Calib Update** 1/4/2018 7:34 AM

**Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.5	89.2
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.4	94.4
a QC 10	2	<input checked="" type="checkbox"/>	10	9.8	97.9
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.6	102.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.7	103.5
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	106.6	106.6
a qc 100	5	<input checked="" type="checkbox"/>	100	104.2	104.2
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	261.1	104.4
a QC 250	6	<input checked="" type="checkbox"/>	250	250.9	100.4
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	512.3	102.5
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	968.7	96.9
a qc 1000	8	<input checked="" type="checkbox"/>	1000	974.7	97.5

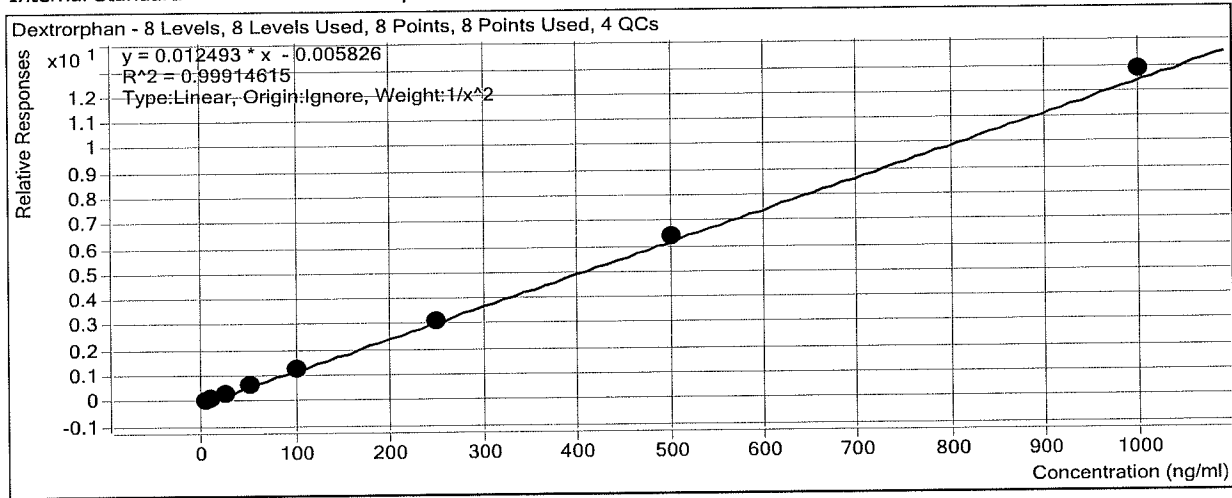
# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1a.batch.bin

**Last Calib Update** 1/4/2018 7:34 AM

**Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.6
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	95.8
a QC 10	2	<input checked="" type="checkbox"/>	10	9.7	96.6
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.5	98.1
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.3	98.6
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.7	98.7
a qc 100	5	<input checked="" type="checkbox"/>	100	93.7	93.7
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	253.8	101.5
a QC 250	6	<input checked="" type="checkbox"/>	250	241.7	96.7
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	509.3	101.9
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1027.6	102.8
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1051.2	105.1

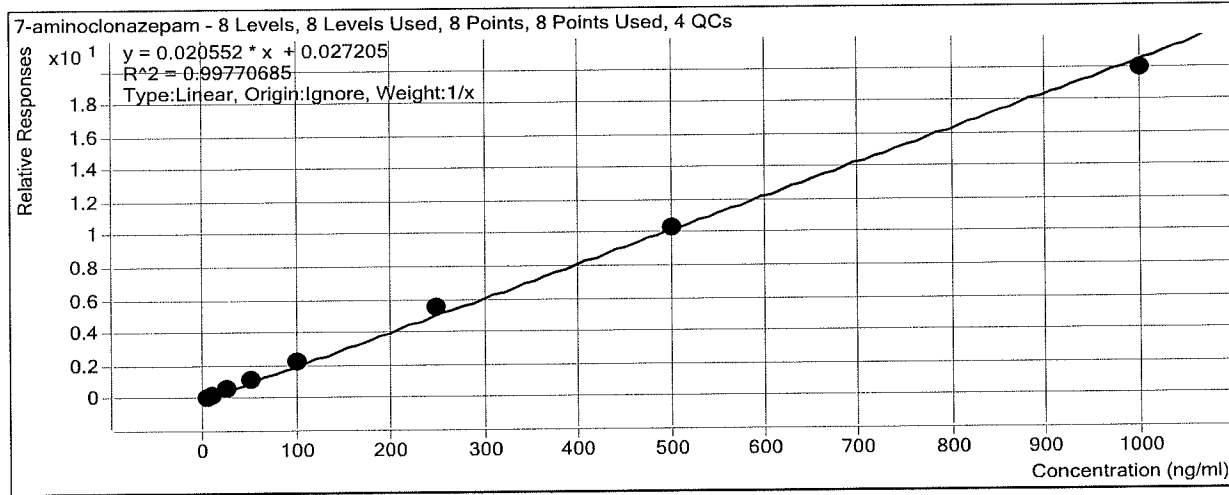


# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1a.batch.bin

**Last Calib Update** 1/4/2018 7:34 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.0	80.5
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.2	92.3
a QC 10	2	<input checked="" type="checkbox"/>	10	9.2	92.1
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.6	102.5
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	55.9	111.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	109.0	109.0
a qc 100	5	<input checked="" type="checkbox"/>	100	107.6	107.6
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	267.0	106.8
a QC 250	6	<input checked="" type="checkbox"/>	250	259.3	103.7
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	502.9	100.6
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	966.4	96.6
a qc 1000	8	<input checked="" type="checkbox"/>	1000	934.1	93.4

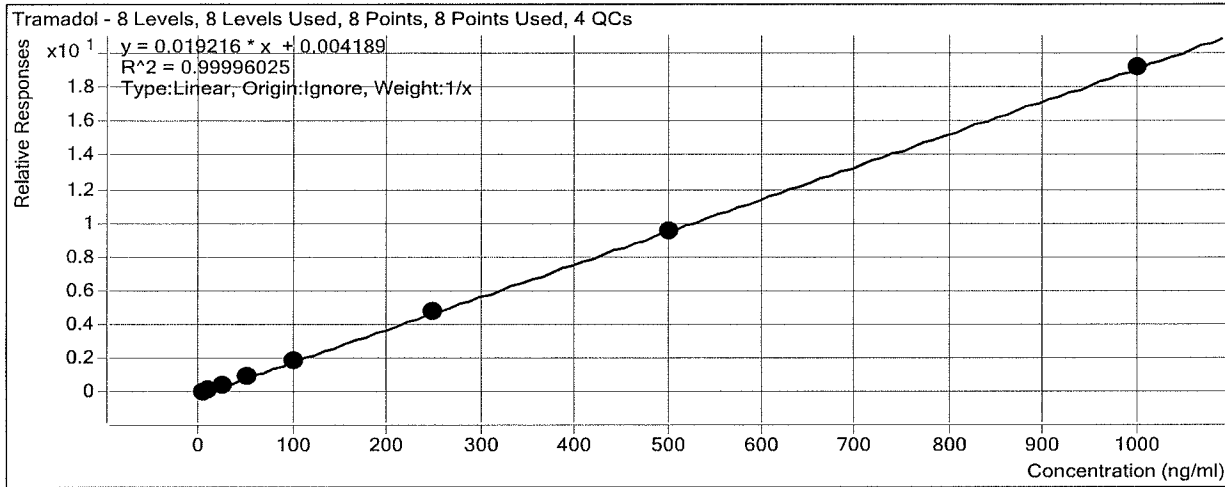
# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1a.batch.bin

**Last Calib Update** 1/4/2018 7:34 AM

**Analyst Name** ISP TOX

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



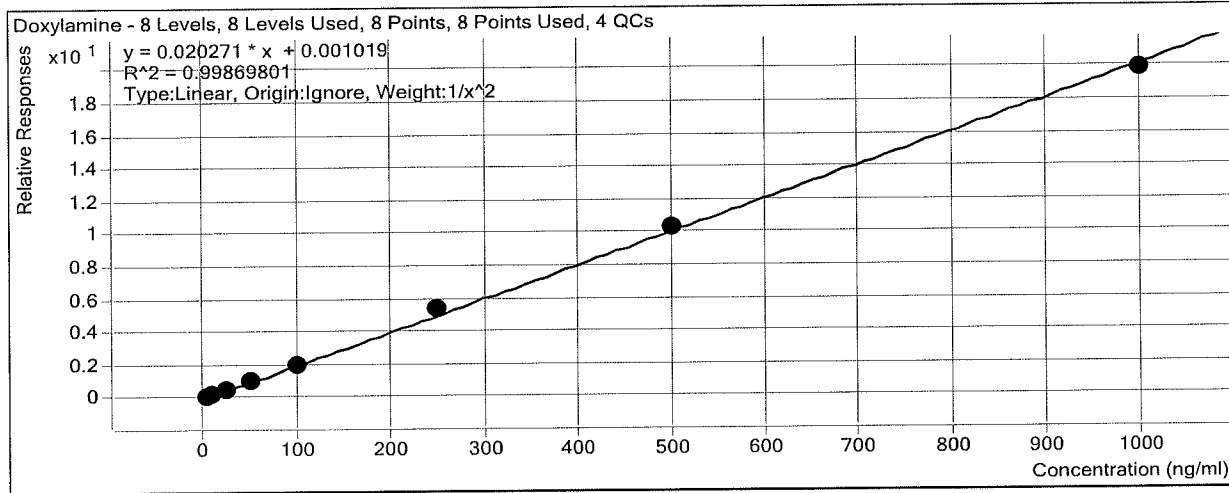
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.7	94.8
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.3	103.3
a QC 10	2	<input checked="" type="checkbox"/>	10	9.9	98.7
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.9	99.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.1	102.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.5	99.5
a qc 100	5	<input checked="" type="checkbox"/>	100	96.8	96.8
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	251.4	100.6
a QC 250	6	<input checked="" type="checkbox"/>	250	238.0	95.2
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	500.8	100.2
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	997.1	99.7
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1013.6	101.4

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1a.batch.bin

**Last Calib Update** 1/4/2018 7:34 AM **Analyst Name** ISP TOX

**Target Compound** Doxylamine  
**Internal Standard** Doxylamine-D5



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	101.6
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	96.5
a QC 10	2	<input checked="" type="checkbox"/>	10	9.4	94.5
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.3	101.0
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.6	101.1
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	95.5	95.5
a qc 100	5	<input checked="" type="checkbox"/>	100	95.2	95.2
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	262.6	105.1
a QC 250	6	<input checked="" type="checkbox"/>	250	242.5	97.0
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	506.5	101.3
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	979.1	97.9
a qc 1000	8	<input checked="" type="checkbox"/>	1000	953.2	95.3

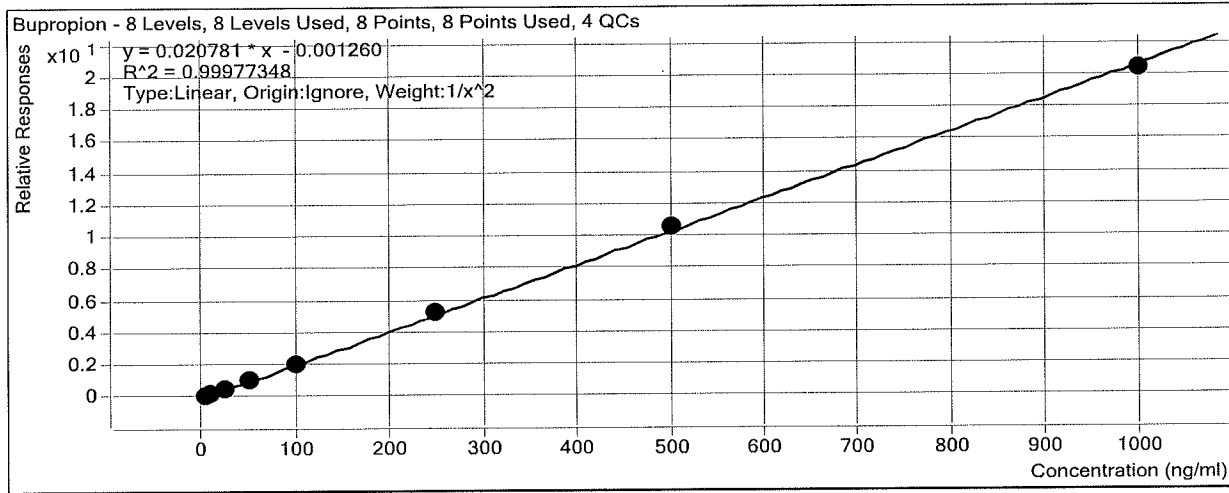
# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1a.batch.bin

**Last Calib Update** 1/4/2018 7:34 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	5.0	100.6
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	98.9
a QC 10	2	<input checked="" type="checkbox"/>	10	9.6	96.4
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.7	98.8
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.7	101.4
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.0	100.0
a qc 100	5	<input checked="" type="checkbox"/>	100	96.3	96.3
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	252.9	101.1
a QC 250	6	<input checked="" type="checkbox"/>	250	240.9	96.3
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	506.0	101.2
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	979.5	98.0
a qc 1000	8	<input checked="" type="checkbox"/>	1000	962.8	96.3

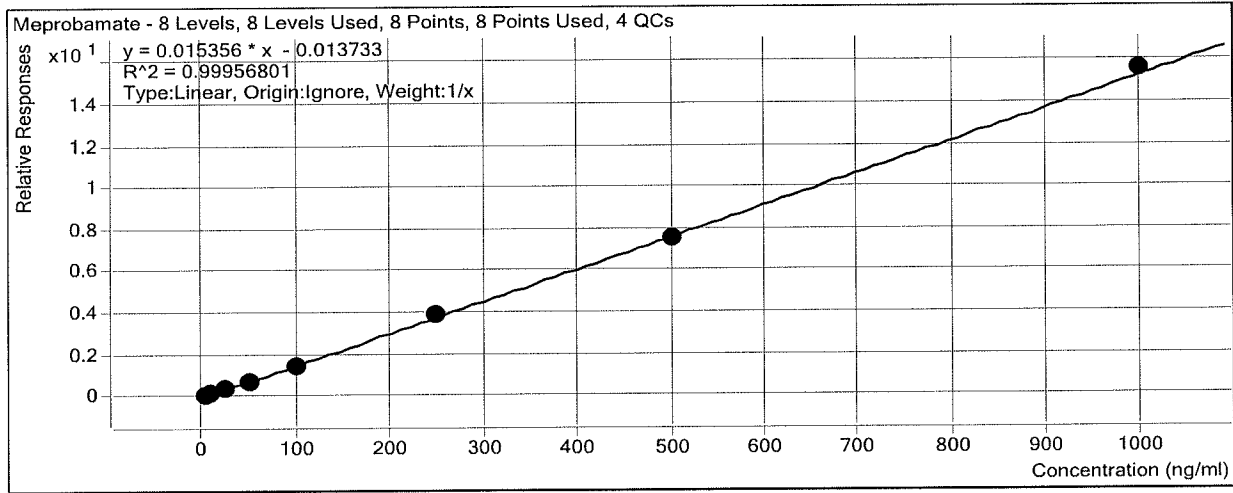
# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1a.batch.bin

**Last Calib Update** 1/4/2018 7:34 AM

**Analyst Name** ISP TOX

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



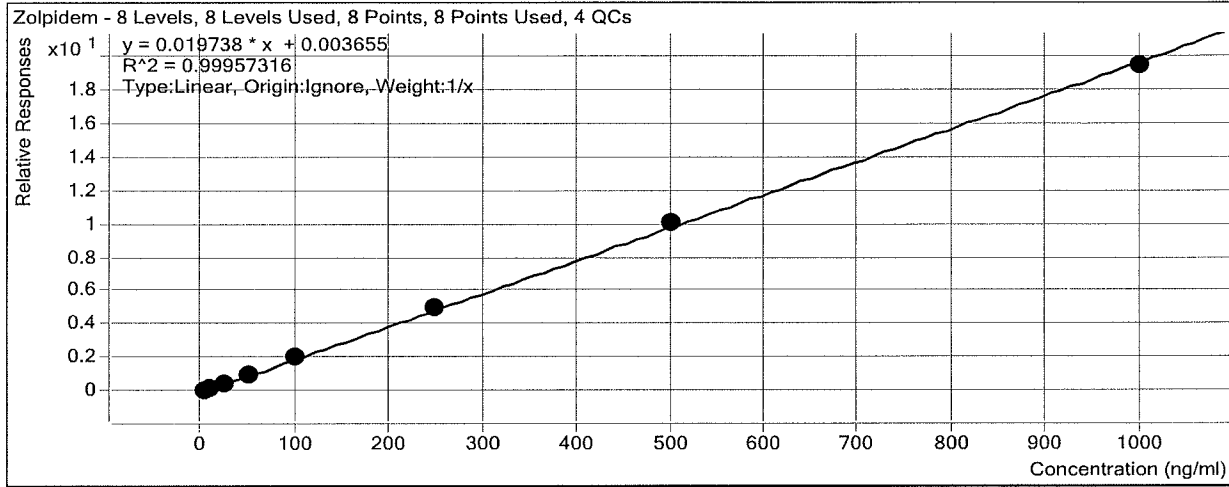
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.9	98.8
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.7	107.4
a QC 10	2	<input checked="" type="checkbox"/>	10	10.1	101.5
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.9	103.4
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.4	94.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	95.8	95.8
a qc 100	5	<input checked="" type="checkbox"/>	100	103.5	103.5
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	250.6	100.2
a QC 250	6	<input checked="" type="checkbox"/>	250	258.4	103.4
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	490.7	98.1
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1014.0	101.4
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1058.4	105.8

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1a.batch.bin

**Last Calib Update** 1/4/2018 7:34 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	4.6	91.1
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	100.3
a QC 10	2	<input checked="" type="checkbox"/>	10	9.6	95.8
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.3	101.1
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.2	104.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.2	102.2
a qc 100	5	<input checked="" type="checkbox"/>	100	97.9	97.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	250.9	100.4
a QC 250	6	<input checked="" type="checkbox"/>	250	249.3	99.7
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	511.9	102.4
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	983.0	98.3
a qc 1000	8	<input checked="" type="checkbox"/>	1000	968.2	96.8

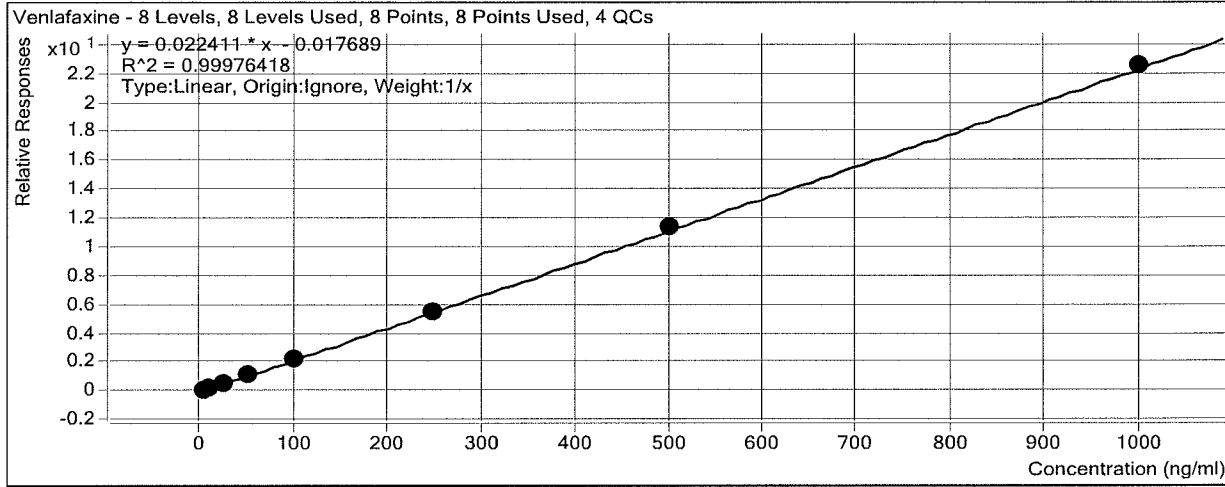
# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1a.batch.bin

**Last Calib Update** 1/4/2018 7:34 AM

**Analyst Name** ISP TOX

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



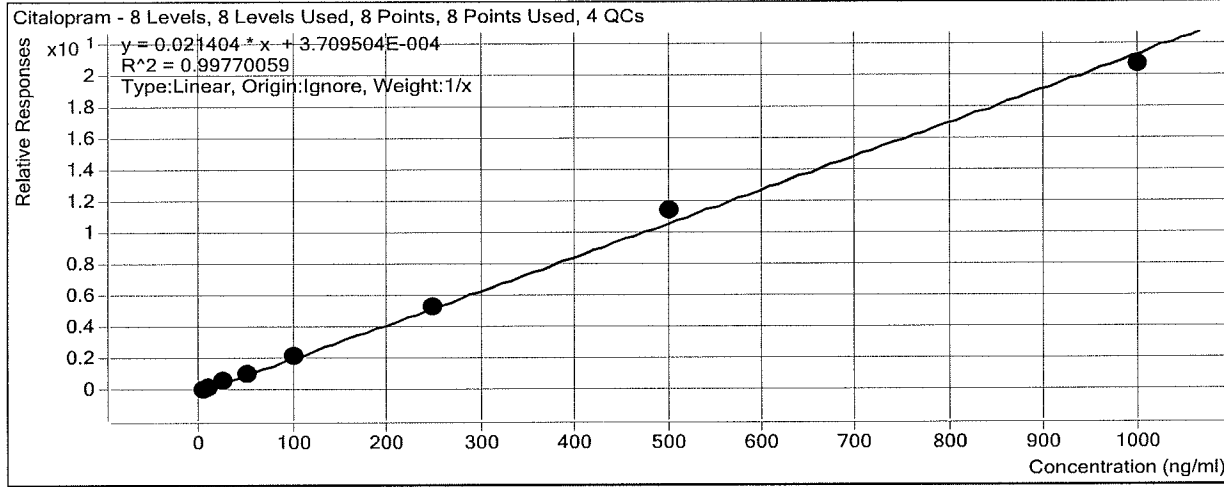
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.3	106.7
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	99.2
a QC 10	2	<input checked="" type="checkbox"/>	10	10.1	101.5
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.8	99.2
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.7	99.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	96.9	96.9
a qc 100	5	<input checked="" type="checkbox"/>	100	96.9	96.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	242.8	97.1
a QC 250	6	<input checked="" type="checkbox"/>	250	237.5	95.0
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	505.6	101.1
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1005.0	100.5
a qc 1000	8	<input checked="" type="checkbox"/>	1000	933.1	93.3

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1a.batch.bin

**Last Calib Update** 1/4/2018 7:34 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	4.7	94.9
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	99.7
a QC 10	2	<input checked="" type="checkbox"/>	10	10.0	99.9
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.5	101.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.1	100.2
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.5	99.5
a qc 100	5	<input checked="" type="checkbox"/>	100	95.3	95.3
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	250.3	100.1
a QC 250	6	<input checked="" type="checkbox"/>	250	258.7	103.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	536.7	107.3
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	963.2	96.3
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1013.6	101.4

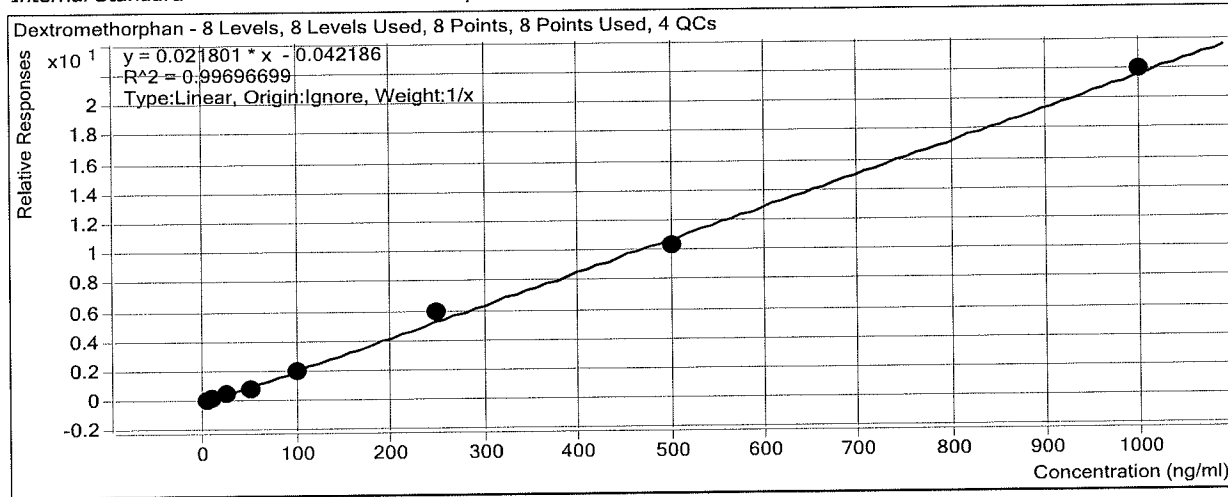


# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1a.batch.bin

**Last Calib Update** 1/4/2018 7:34 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	6.2	124.5
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.3	93.3
a QC 10	2	<input checked="" type="checkbox"/>	10	11.5	115.1
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.1	96.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	41.5	82.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	96.1	96.1
a qc 100	5	<input checked="" type="checkbox"/>	100	91.3	91.3
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	274.7	109.9
a QC 250	6	<input checked="" type="checkbox"/>	250	229.2	91.7
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	479.2	95.8
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1008.9	100.9
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1021.6	102.2

# ISP Forensics Calibration Curve Report

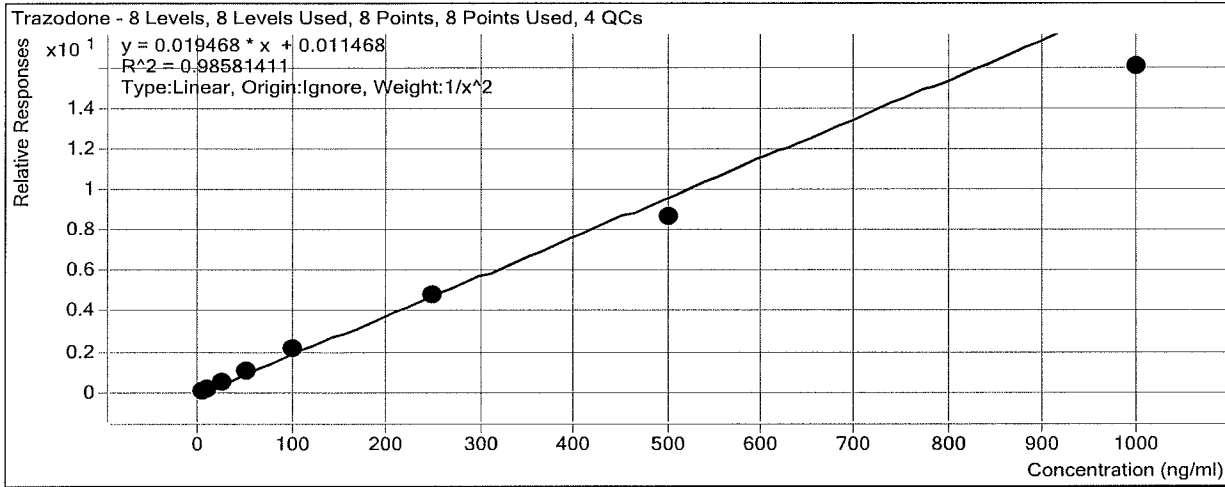
**Batch Data Path** D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1a.batch.bin

**Last Calib Update** 1/4/2018 7:34 AM

**Analyst Name** ISP TOX

**Target Compound** Trazodone

**Internal Standard** Trazodone-D6



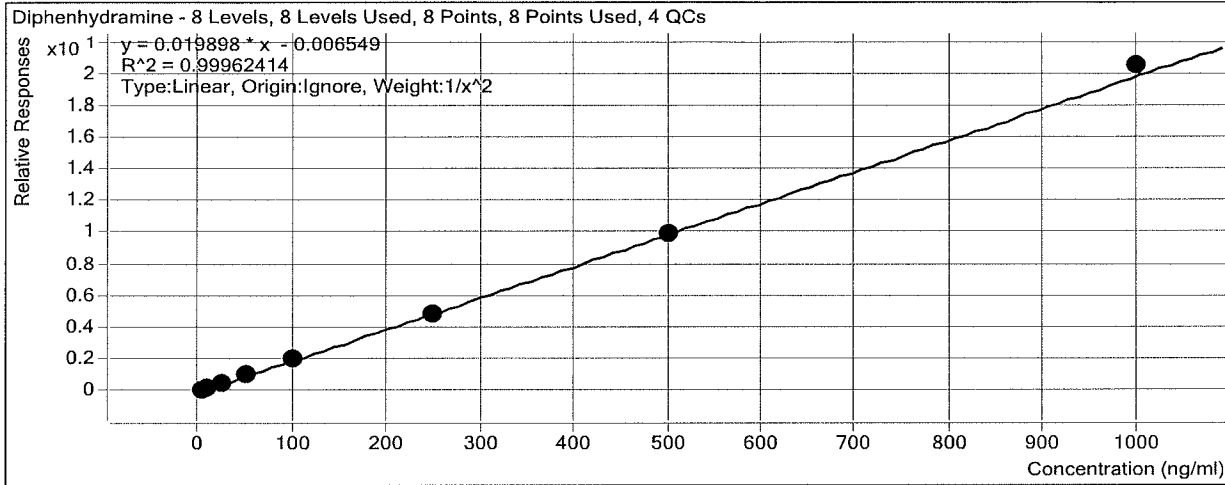
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.8	96.2
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	100.4
a QC 10	2	<input checked="" type="checkbox"/>	10	9.9	98.8
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	27.7	110.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	56.1	112.2
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	108.8	108.8
a qc 100	5	<input checked="" type="checkbox"/>	100	106.3	106.3
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	248.2	99.3
a QC 250	6	<input checked="" type="checkbox"/>	250	258.1	103.2
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	448.9	89.8
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	826.9	82.7
a qc 1000	8	<input checked="" type="checkbox"/>	1000	759.2	75.9

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1a.batch.bin

**Last Calib Update** 1/4/2018 7:34 AM **Analyst Name** ISP TOX

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



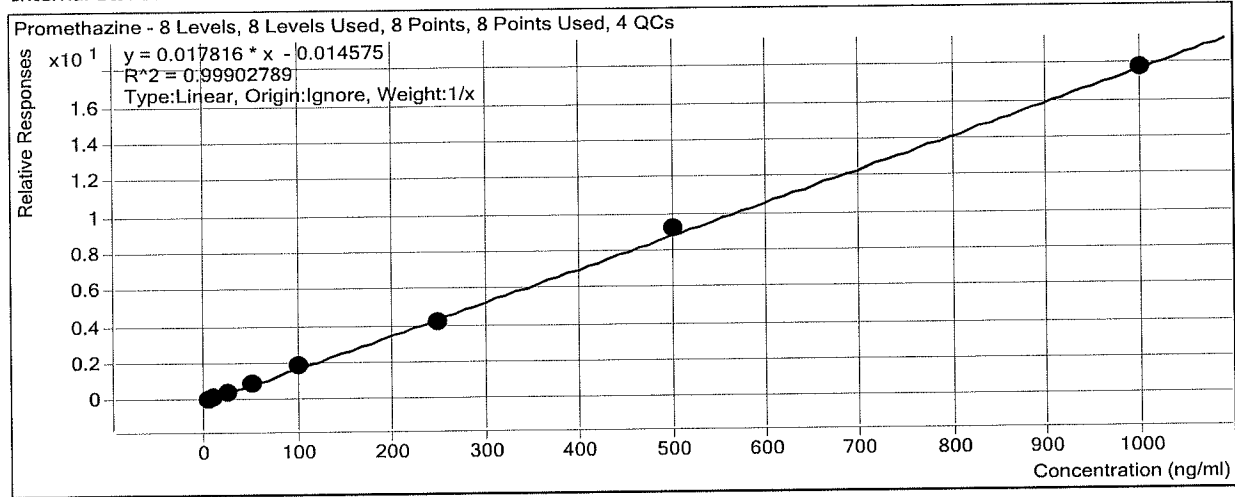
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	99.8
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	101.2
a QC 10	2	<input checked="" type="checkbox"/>	10	10.0	100.0
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.5	98.1
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.4	100.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.1	99.1
a qc 100	5	<input checked="" type="checkbox"/>	100	94.8	94.8
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	244.4	97.8
a QC 250	6	<input checked="" type="checkbox"/>	250	229.8	91.9
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	502.1	100.4
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1028.7	102.9
a qc 1000	8	<input checked="" type="checkbox"/>	1000	954.2	95.4

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1a.batch.bin

**Last Calib Update** 1/4/2018 7:34 AM **Analyst Name** ISP TOX

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



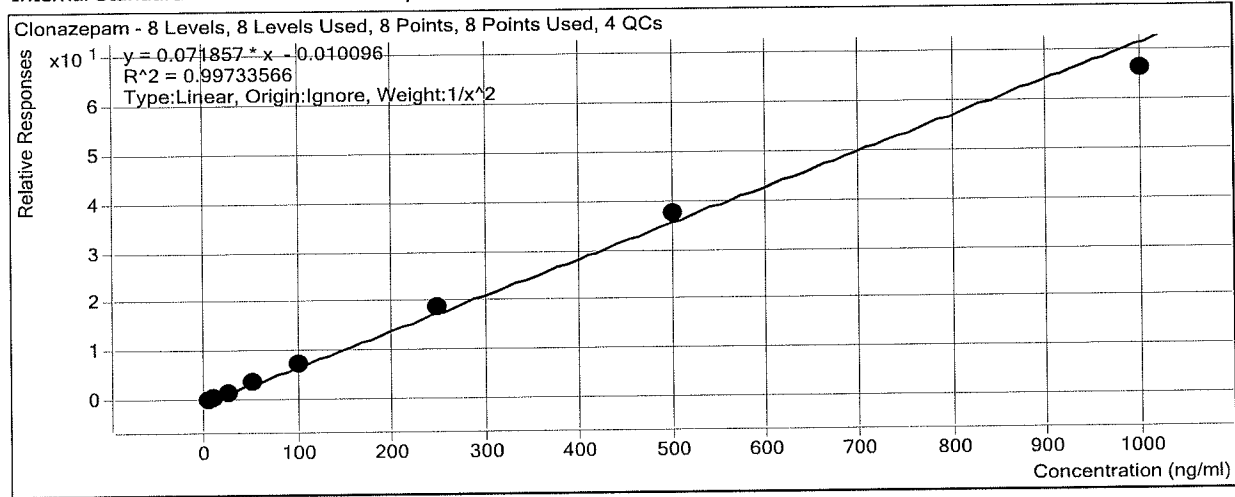
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.2
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	99.7
a QC 10	2	<input checked="" type="checkbox"/>	10	11.3	113.3
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.6	98.4
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.1	100.2
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.0	103.0
a qc 100	5	<input checked="" type="checkbox"/>	100	109.9	109.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	233.8	93.5
a QC 250	6	<input checked="" type="checkbox"/>	250	253.3	101.3
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	516.7	103.3
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	996.7	99.7
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1053.9	105.4

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1a.batch.bin

**Last Calib Update** 1/4/2018 7:34 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.0
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	96.4
a QC 10	2	<input checked="" type="checkbox"/>	10	9.0	89.7
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.1	96.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.6	103.1
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.4	101.4
a qc 100	5	<input checked="" type="checkbox"/>	100	90.6	90.6
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	259.9	104.0
a QC 250	6	<input checked="" type="checkbox"/>	250	263.4	105.4
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	522.4	104.5
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	919.6	92.0
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1087.9	108.8

# ISP Forensics Calibration Curve Report

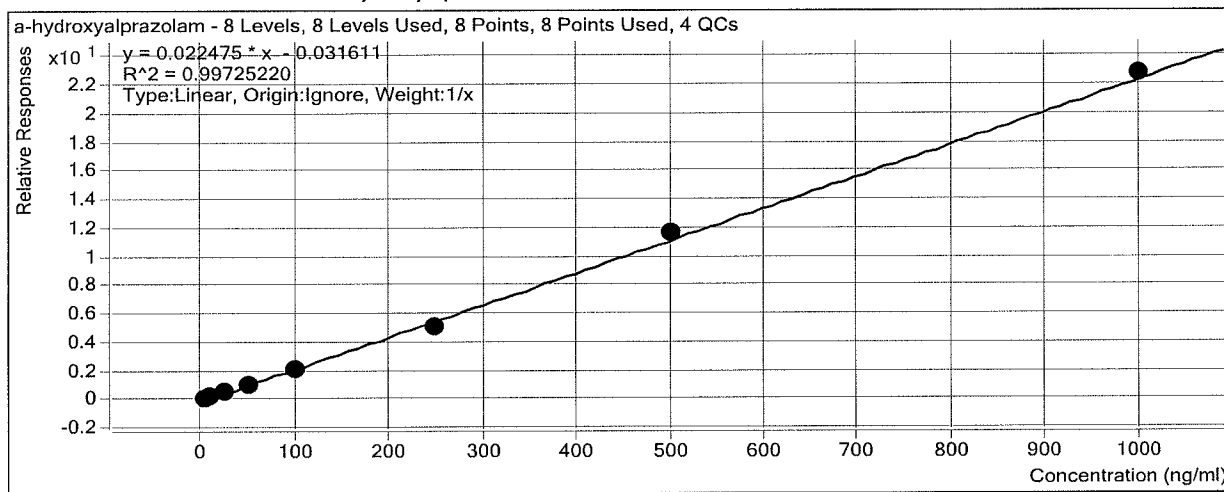
**Batch Data Path** D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1a.batch.bin

**Last Calib Update** 1/4/2018 7:34 AM

**Analyst Name** ISP TOX

**Target Compound** *a-hydroxyalprazolam*

**Internal Standard** *a-hydroxyalprazolam-D5*



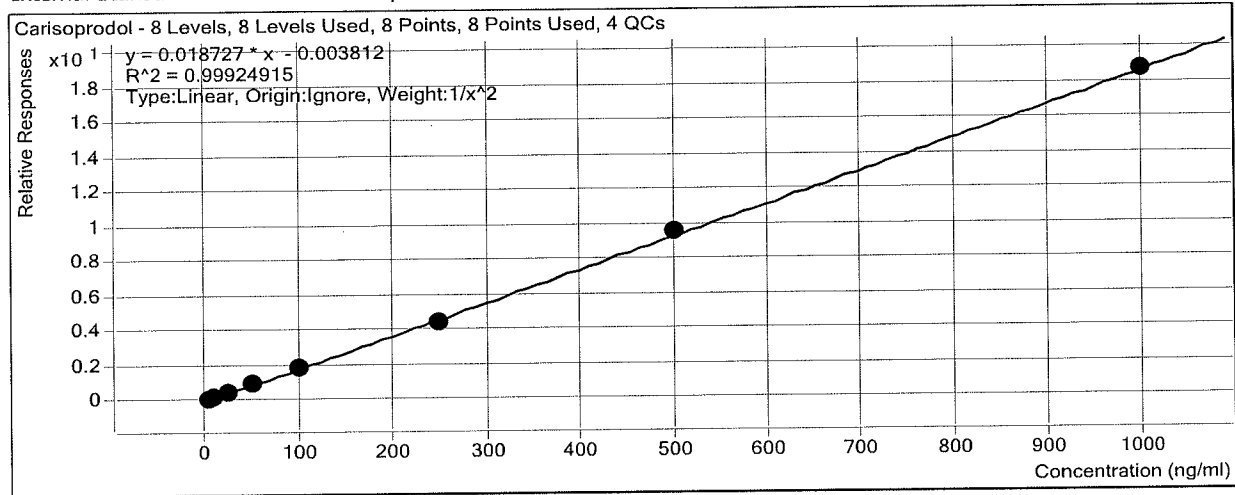
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	6.3	125.8
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.4	103.7
a QC 10	2	<input checked="" type="checkbox"/>	10	10.2	102.2
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.2	88.8
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	45.9	91.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	93.6	93.6
a qc 100	5	<input checked="" type="checkbox"/>	100	90.4	90.4
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	226.2	90.5
a QC 250	6	<input checked="" type="checkbox"/>	250	231.1	92.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	522.7	104.5
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1012.9	101.3
a qc 1000	8	<input checked="" type="checkbox"/>	1000	912.6	91.3

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1a.batch.bin

**Last Calib Update** 1/4/2018 7:34 AM **Analyst Name** ISP TOX

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



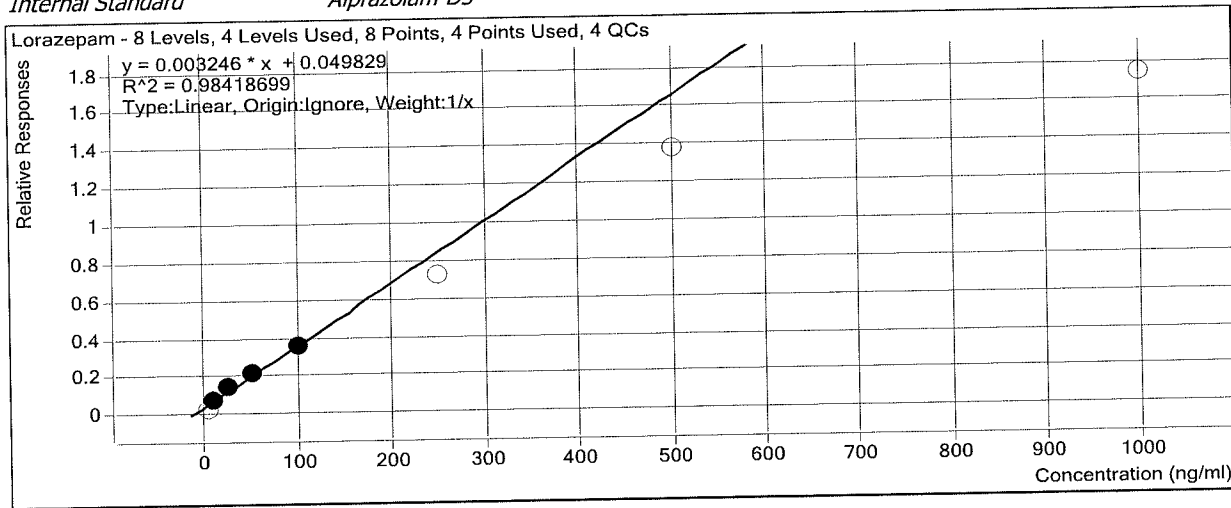
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	99.9
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	99.7
a QC 10	2	<input checked="" type="checkbox"/>	10	10.1	100.9
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.3	101.2
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.0	100.0
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.6	101.6
a qc 100	5	<input checked="" type="checkbox"/>	100	94.9	94.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	237.1	94.8
a QC 250	6	<input checked="" type="checkbox"/>	250	256.9	102.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	514.9	103.0
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	998.1	99.8
a qc 1000	8	<input checked="" type="checkbox"/>	1000	951.7	95.2

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1a.batch.bin

**Last Calib Update** 1/4/2018 7:34 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input type="checkbox"/>	5	0.0	0.0
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	8.3	82.9
a QC 10	2	<input checked="" type="checkbox"/>	10	8.9	88.5
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	29.1	116.4
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	53.1	106.2
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	94.5	94.5
a qc 100	5	<input type="checkbox"/>	100	106.4	106.4
a cal 6-250ng	6	<input type="checkbox"/>	250	207.4	82.9
a QC 250	6	<input type="checkbox"/>	250	193.2	77.3
a cal 7-500ng	7	<input type="checkbox"/>	500	408.1	81.6
a cal 8-1000ng	8	<input type="checkbox"/>	1000	521.5	52.2
a qc 1000	8	<input type="checkbox"/>	1000	1021.0	102.1

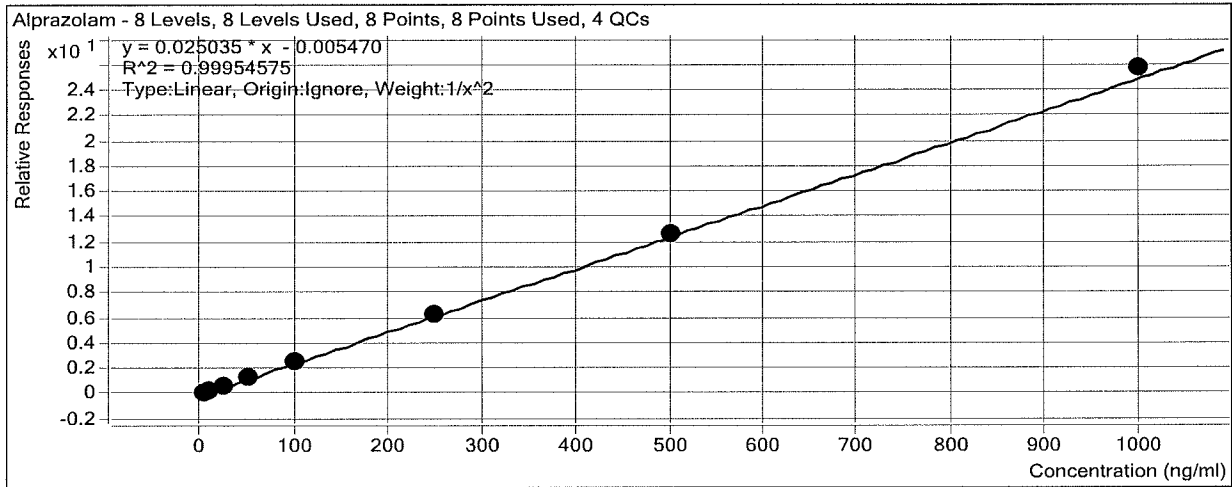


# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1a.batch.bin

**Last Calib Update** 1/4/2018 7:34 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	101.5
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	98.0
a QC 10	2	<input checked="" type="checkbox"/>	10	9.5	94.9
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.4	97.7
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.9	99.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.6	98.6
a qc 100	5	<input checked="" type="checkbox"/>	100	96.1	96.1
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	249.4	99.8
a QC 250	6	<input checked="" type="checkbox"/>	250	246.5	98.6
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	508.2	101.6
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1028.4	102.8
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1040.4	104.0

# ISP FORENSICS - Cd'A Instrument # 62340

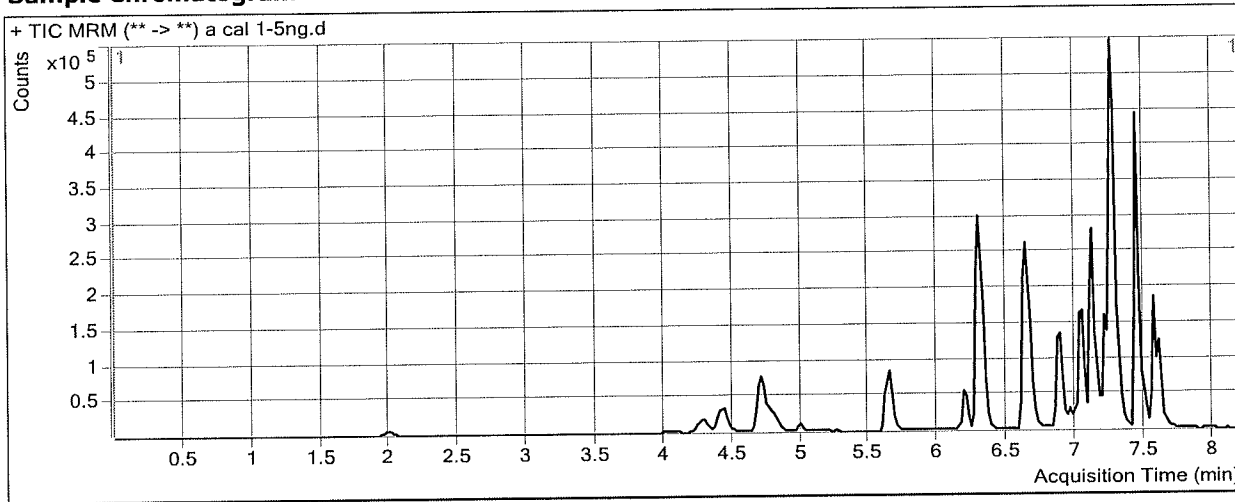
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1a.batch.bin		
<b>Analysis Time</b>	1/4/2018 7:34 AM	<b>Analyst Name</b>	ISP Tox
<b>Report Time</b>	1/4/2018 7:39 AM	<b>Reporter Name</b>	ISP Tox
<b>Last Calib Update</b>	1/4/2018 7:34 AM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2018-01-03 13:09	<b>Data File</b>	a cal 1-5ng.d
<b>Sample Type</b>	Calibration	<b>Sample Name</b>	a cal 1-5ng
<b>Dilution</b>	1	<b>Acq Method</b>	Quant Panel 1a 10-17.m
<b>Position</b>	P1-A1	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	AM 28 Panel 1

### Sample Chromatogram



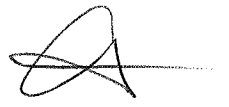
### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.348	821	1882	0.4364	5.8709
Hydromorphone	Hydromorphone-D6	2.009	4614	28782	0.1603	5.0615
Codeine	Codeine-D6	4.115	2003	17259	0.1160	5.4321
Amphetamine	Amphetamine-D11	4.423	50989	88412	0.5767	4.7782
Oxycodone	Oxycodone-D6	4.469	10205	87008	0.1173	5.0447
Hydrocodone	Hydrocodone-D6	4.774	7901	89169	0.0886	4.5360
Norhydrocodone	Norhydrocodone-D3	4.818	734	32362	0.0227	5.3105
Methamphetamine	Methamphetamine-D11	4.821	39774	261234	0.1523	5.1102
6-MAM	6-MAM-D6	5.008	442	31132	0.0142	0.6263
Phentermine	Phentermine-D5	5.686	9282	298307	0.0311	4.4603
Dextrorphan	Dextrorphan-D3	6.183	9040	155126	0.0583	5.1312
7-aminoclonazepam	7-Aminoclonazepam-D4	6.312	11261	102467	0.1099	4.0235
Tramadol	Tramadol-13C-D3	6.322	71790	753290	0.0953	4.7414
Doxylamine	Doxylamine-D5	6.662	79125	761194	0.1039	5.0776
Bupropion	Bupropion-D9	6.890	44718	432835	0.1033	5.0322
Meprobamate	Meprobamate-D7	6.992	3620	58270	0.0621	4.9400
Zolpidem	Zolpidem-D6	7.041	47647	509451	0.0935	4.5531
Venlafaxine	Venlafaxine-D6	7.125	71202	699105	0.1018	5.3338
Citalopram	Citalopram-D6	7.237	51029	500360	0.1020	4.7473
Dextromethorphan	Dextromethorphan-D3	7.268	12638	135137	0.0935	6.2246
Trazodone	Trazodone-D6	7.235	45607	433900	0.1051	4.8100
Diphenhydramine	Diphenhydramine-D3	7.291	84367	910038	0.0927	4.9881
Promethazine	Promethazine-D3	7.446	72673	950943	0.0764	5.1076

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

a 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>
Clonazepam	Clonazepam-D4	7.482	11445	32114	0.3564	5.1001
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.560	3729	33963	0.1098	6.2922
Carisoprodol	Carisoprodol-D7	7.572	26813	298841	0.0897	4.9947
Lorazepam	Alprazolam-D5	7.602	6057	190751	0.0318	0.0000
Alprazolam	Alprazolam-D5	7.626	23190	190751	0.1216	5.0747



# ISP FORENSICS - Cd'A Instrument # 62340

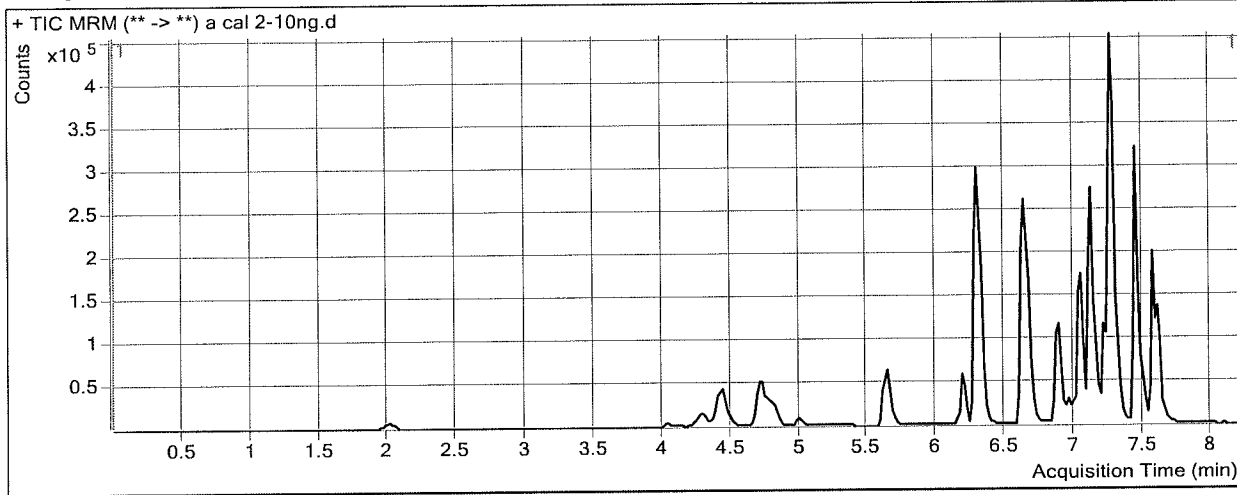
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1a.batch.bin		
<b>Analysis Time</b>	1/4/2018 7:34 AM	<b>Analyst Name</b>	ISP Tox
<b>Report Time</b>	1/4/2018 7:39 AM	<b>Reporter Name</b>	ISP Tox
<b>Last Calib Update</b>	1/4/2018 7:34 AM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2018-01-03 13:34	<b>Data File</b>	a cal 2-10ng.d
<b>Sample Type</b>	Calibration	<b>Sample Name</b>	a cal 2-10ng
<b>Dilution</b>	1	<b>Acq Method</b>	Quant Panel 1a 10-17.m
<b>Position</b>	P1-B1	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	AM 28 Panel 1

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.348	1565	1713	0.9136	10.6163
Hydromorphone	Hydromorphone-D6	2.029	8424	27019	0.3118	10.0314
Codeine	Codeine-D6	4.115	3810	16600	0.2295	9.8371
Amphetamine	Amphetamine-D11	4.443	71300	69181	1.0306	10.6183
Oxycodone	Oxycodone-D6	4.469	19389	82178	0.2359	9.9821
Hydrocodone	Hydrocodone-D6	4.774	15262	83962	0.1818	9.8679
Norhydrocodone	Norhydrocodone-D3	4.818	1204	29550	0.0407	9.2813
Methamphetamine	Methamphetamine-D11	4.821	43857	165374	0.2652	9.3692
6-MAM	6-MAM-D6	5.008	687	29585	0.0232	0.9746
Phentermine	Phentermine-D5	5.686	13602	222741	0.0611	9.4351
Dextroprphan	Dextroprphan-D3	6.183	15400	135274	0.1138	9.5794
7-aminoclonazepam	7-Aminoclonazepam-D4	6.312	20498	94532	0.2168	9.2269
Tramadol	Tramadol-13C-D3	6.302	137945	680619	0.2027	10.3291
Doxylamine	Doxylamine-D5	6.662	133937	681183	0.1966	9.6495
Bupropion	Bupropion-D9	6.890	67486	330489	0.2042	9.8870
Meprobamate	Meprobamate-D7	6.992	8679	57400	0.1512	10.7406
Zolpidem	Zolpidem-D6	7.041	93436	463195	0.2017	10.0347
Venlafaxine	Venlafaxine-D6	7.125	127553	623486	0.2046	9.9178
Citalopram	Citalopram-D6	7.237	77507	362608	0.2138	9.9689
Dextromethorphan	Dextromethorphan-D3	7.268	15457	95821	0.1613	9.3344
Trazodone	Trazodone-D6	7.235	65839	318088	0.2070	10.0429
Diphenhydramine	Diphenhydramine-D3	7.291	127178	652715	0.1948	10.1211
Promethazine	Promethazine-D3	7.446	102985	631674	0.1630	9.9692

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

*a cal 2*

<b>Compound</b>	<b>ISTD Compound</b>	<b>RT</b>	<b>Response</b>	<b>ISTD Resp</b>	<b>Resp Ratio</b>	<b>Final Conc</b>
Clonazepam	Clonazepam-D4	7.482	23432	34318	0.6828	9.6424
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.560	7025	34865	0.2015	10.3717
Carisoprodol	Carisoprodol-D7	7.572	52391	286380	0.1829	9.9723
Lorazepam	Alprazolam-D5	7.602	13862	180656	0.0767	8.2882
Alprazolam	Alprazolam-D5	7.626	43351	180656	0.2400	9.8038



# ISP FORENSICS - Cd'A Instrument # 62340

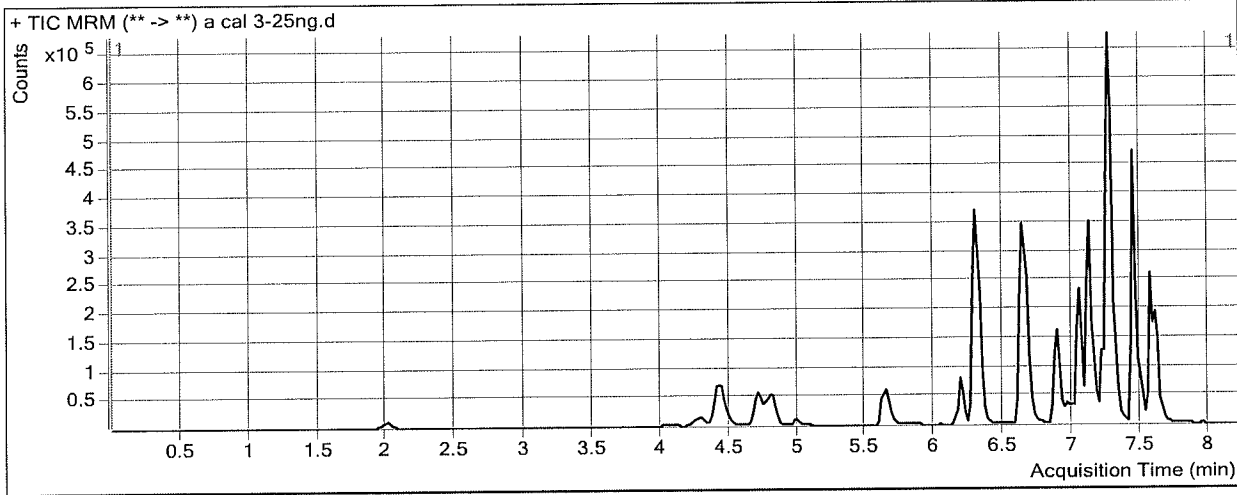
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1a.batch.bin  
**Analysis Time** 1/4/2018 7:34 AM **Analyst Name** ISP Tox  
**Report Time** 1/4/2018 7:39 AM **Reporter Name** ISP Tox  
**Last Calib Update** 1/4/2018 7:34 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-01-03 13:59 **Data File** a cal 3-25ng.d  
**Sample Type** Calibration **Sample Name** a cal 3-25ng  
**Dilution** 1 **Acq Method** Quant Panel 1a 10-17.m  
**Position** P1-C1 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28 Panel 1

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.328	3827	1691	2.2632	24.0396
Hydromorphone	Hydromorphone-D6	2.029	19419	26447	0.7343	23.8931
Codeine	Codeine-D6	4.095	9792	15864	0.6172	24.8830
Amphetamine	Amphetamine-D11	4.423	156267	70139	2.2280	26.0235
Oxycodone	Oxycodone-D6	4.469	46921	81529	0.5755	24.1128
Hydrocodone	Hydrocodone-D6	4.774	36189	83190	0.4350	24.3615
Norhydrocodone	Norhydrocodone-D3	4.818	2828	28030	0.1009	22.5053
Methamphetamine	Methamphetamine-D11	4.821	122311	180495	0.6776	24.9218
6-MAM	6-MAM-D6	5.008	1689	29722	0.0568	2.2706
Phentermine	Phentermine-D5	5.686	35546	224015	0.1587	25.6470
Dextroprphan	Dextroprphan-D3	6.183	40763	135657	0.3005	24.5197
7-aminoclonazepam	7-Aminoclonazepam-D4	6.292	52272	94380	0.5538	25.6248
Tramadol	Tramadol-13C-D3	6.302	327507	678384	0.4828	24.9052
Doxylamine	Doxylamine-D5	6.662	332902	648839	0.5131	25.2604
Bupropion	Bupropion-D9	6.890	166968	326136	0.5120	24.6967
Meprobamate	Meprobamate-D7	6.992	22027	57472	0.3833	25.8540
Zolpidem	Zolpidem-D6	7.041	231433	460714	0.5023	25.2647
Venlafaxine	Venlafaxine-D6	7.125	319361	593465	0.5381	24.8008
Citalopram	Citalopram-D6	7.237	208520	382001	0.5459	25.4849
Dextromethorphan	Dextromethorphan-D3	7.268	50358	104007	0.4842	24.1442
Trazodone	Trazodone-D6	7.235	187971	341792	0.5500	27.6602
Diphenhydramine	Diphenhydramine-D3	7.291	344616	715427	0.4817	24.5366
Promethazine	Promethazine-D3	7.446	305897	722138	0.4236	24.5947

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

a cal 3

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.482	56315	32648	1.7249	24.1453
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.560	16167	34588	0.4674	22.2030
Carisoprodol	Carisoprodol-D7	7.572	128532	273434	0.4701	25.3043
Lorazepam	Alprazolam-D5	7.602	25491	176658	0.1443	29.1006
Alprazolam	Alprazolam-D5	7.626	107075	176658	0.6061	24.4295



# ISP FORENSICS - Cd'A Instrument # 62340

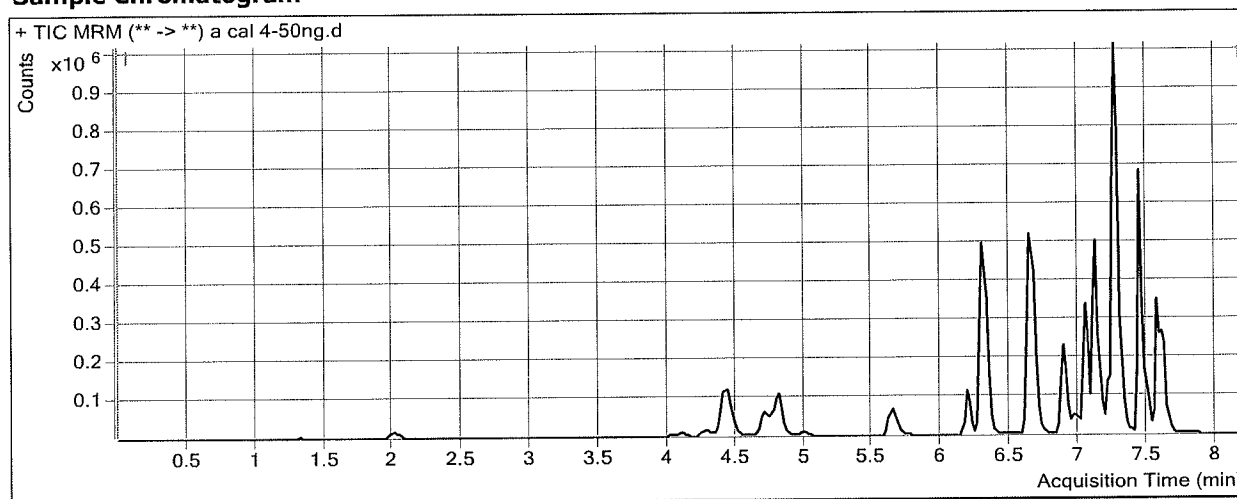
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1a.batch.bin  
**Analysis Time** 1/4/2018 7:34 AM **Analyst Name** ISP Tox  
**Report Time** 1/4/2018 7:39 AM **Reporter Name** ISP Tox  
**Last Calib Update** 1/4/2018 7:34 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-01-03 14:25 **Data File** a cal 4-50ng.d  
**Sample Type** Calibration **Sample Name** a cal 4-50ng  
**Dilution** 1 **Acq Method** Quant Panel 1a 10-17.m  
**Position** P1-D1 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28 Panel 1

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.328	7635	1705	4.4776	46.0635
Hydromorphone	Hydromorphone-D6	2.029	39084	26822	1.4572	47.6092
Codeine	Codeine-D6	4.115	19274	16035	1.2020	47.5750
Amphetamine	Amphetamine-D11	4.423	301979	71200	4.2413	51.9274
Oxycodone	Oxycodone-D6	4.469	93879	80276	1.1694	48.8281
Hydrocodone	Hydrocodone-D6	4.774	74447	79954	0.9311	52.7544
Norhydrocodone	Norhydrocodone-D3	4.818	6053	28497	0.2124	47.0231
Methamphetamine	Methamphetamine-D11	4.821	267826	186682	1.4347	53.4681
6-MAM	6-MAM-D6	5.008	3602	29748	0.1211	4.7487
Phentermine	Phentermine-D5	5.686	73324	232235	0.3157	51.7317
Dextrophan	Dextrophan-D3	6.183	82906	135847	0.6103	49.3193
7-aminoclonazepam	7-Aminoclonazepam-D4	6.292	107053	91060	1.1756	55.8789
Tramadol	Tramadol-13C-D3	6.302	660242	668951	0.9870	51.1437
Doxylamine	Doxylamine-D5	6.641	674527	657535	1.0258	50.5560
Bupropion	Bupropion-D9	6.890	339954	323152	1.0520	50.6838
Meprobamate	Meprobamate-D7	6.992	40435	56612	0.7142	47.4077
Zolpidem	Zolpidem-D6	7.041	475898	460602	1.0332	52.1604
Venlafaxine	Venlafaxine-D6	7.125	667781	609690	1.0953	49.6610
Citalopram	Citalopram-D6	7.237	422620	394033	1.0725	50.0913
Dextromethorphan	Dextromethorphan-D3	7.268	90991	105608	0.8616	41.4556
Trazodone	Trazodone-D6	7.235	383495	347367	1.1040	56.1196
Diphenhydramine	Diphenhydramine-D3	7.291	709767	712603	0.9960	50.3842
Promethazine	Promethazine-D3	7.446	623013	709434	0.8782	50.1105



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

*a cal 4*

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.482	108908	29471	3.6954	51.5669
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.560	31675	31689	0.9996	45.8808
Carisoprodol	Carisoprodol-D7	7.572	246105	264009	0.9322	49.9807
Lorazepam	Alprazolam-D5	7.602	36917	166130	0.2222	53.1047
Alprazolam	Alprazolam-D5	7.626	206750	166130	1.2445	49.9295



# ISP FORENSICS - Cd'A Instrument # 62340

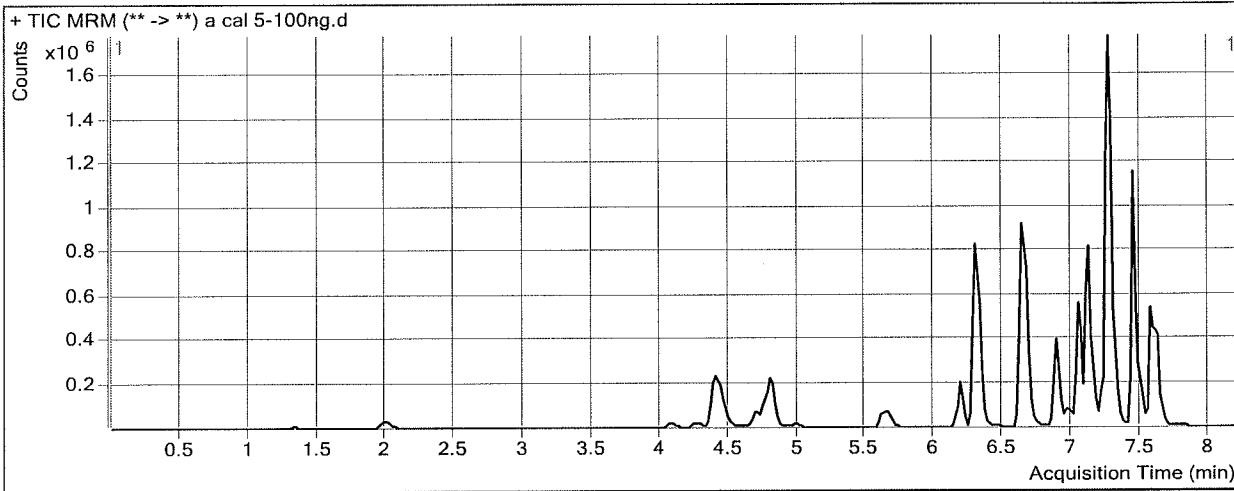
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1a.batch.bin		
<b>Analysis Time</b>	1/4/2018 7:34 AM	<b>Analyst Name</b>	ISP Tox
<b>Report Time</b>	1/4/2018 7:39 AM	<b>Reporter Name</b>	ISP Tox
<b>Last Calib Update</b>	1/4/2018 7:34 AM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2018-01-03 14:50	<b>Data File</b>	a cal 5-100ng.d
<b>Sample Type</b>	Calibration	<b>Sample Name</b>	a cal 5-100ng
<b>Dilution</b>	1	<b>Acq Method</b>	Quant Panel 1a 10-17.m
<b>Position</b>	P1-E1	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	AM 28 Panel 1

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.328	15892	1733	9.1722	92.7546
Hydromorphone	Hydromorphone-D6	2.009	81853	27306	2.9976	98.1493
Codeine	Codeine-D6	4.095	38739	15512	2.4973	97.8450
Amphetamine	Amphetamine-D11	4.423	628365	75279	8.3472	104.7554
Oxycodone	Oxycodone-D6	4.469	207763	84562	2.4569	102.4044
Hydrocodone	Hydrocodone-D6	4.774	154397	85025	1.8159	103.3907
Norhydrocodone	Norhydrocodone-D3	4.799	12484	28596	0.4366	96.3115
Methamphetamine	Methamphetamine-D11	4.802	569082	196721	2.8928	108.4540
6-MAM	6-MAM-D6	4.988	7292	30791	0.2368	9.2131
Phentermine	Phentermine-D5	5.686	156802	242652	0.6462	106.6185
Dextrophan	Dextrophan-D3	6.183	179531	146241	1.2276	98.7361
7-aminoclonazepam	7-Aminoclonazepam-D4	6.292	215014	94840	2.2671	108.9883
Tramadol	Tramadol-13C-D3	6.302	1411792	736521	1.9168	99.5327
Doxylamine	Doxylamine-D5	6.641	1445870	746298	1.9374	95.5239
Bupropion	Bupropion-D9	6.890	672633	323731	2.0778	100.0445
Meprobamate	Meprobamate-D7	6.992	83054	56996	1.4572	95.7900
Zolpidem	Zolpidem-D6	7.041	978456	484324	2.0203	102.1670
Venlafaxine	Venlafaxine-D6	7.125	1411668	655505	2.1536	96.8816
Citalopram	Citalopram-D6	7.237	926260	435045	2.1291	99.4532
Dextromethorphan	Dextromethorphan-D3	7.268	230647	112407	2.0519	96.0542
Trazodone	Trazodone-D6	7.235	821828	386079	2.1287	108.7520
Diphenhydramine	Diphenhydramine-D3	7.291	1501401	764258	1.9645	99.0564
Promethazine	Promethazine-D3	7.446	1448060	795159	1.8211	103.0361

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

*a 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>
Clonazepam	Clonazepam-D4	7.482	189731	26065	7.2791	101.4397
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.560	61149	29516	2.0718	93.5866
Carisoprodol	Carisoprodol-D7	7.572	479342	252482	1.8985	101.5816
Lorazepam	Alprazolam-D5	7.602	59944	168090	0.3566	94.5065
Alprazolam	Alprazolam-D5	7.626	414147	168090	2.4638	98.6349



# ISP FORENSICS - Cd'A Instrument # 62340

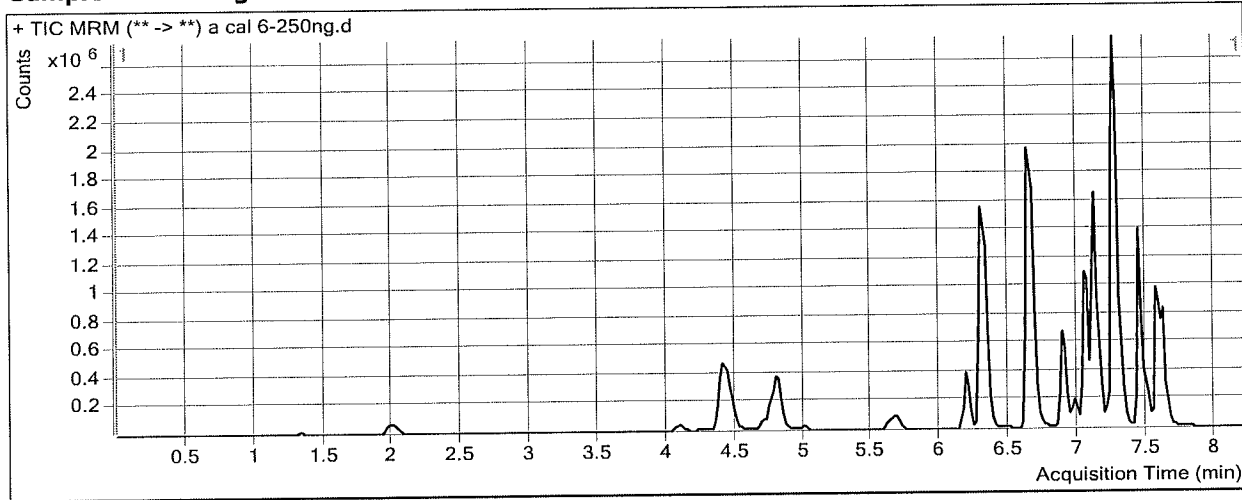
## Multi-Drug Confirmatory Analysis Report

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<b>Analysis Time</b>	1/4/2018 7:34 AM	<b>Analyst Name</b>	ISP Tox
<b>Report Time</b>	1/4/2018 7:39 AM	<b>Reporter Name</b>	ISP Tox
<b>Last Calib Update</b>	1/4/2018 7:34 AM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2018-01-03 15:16	<b>Data File</b>	a cal 6-250ng.d
<b>Sample Type</b>	Calibration	<b>Sample Name</b>	a cal 6-250ng
<b>Dilution</b>	1	<b>Acq Method</b>	Quant Panel 1a 10-17.m
<b>Position</b>	P1-F1	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	AM 28 Panel 1

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.328	40744	1736	23.4725	234.9823
Hydromorphone	Hydromorphone-D6	2.009	214120	27965	7.6568	251.0116
Codeine	Codeine-D6	4.095	99873	15717	6.3546	247.5395
Amphetamine	Amphetamine-D11	4.423	1280243	65339	19.5940	249.4602
Oxycodone	Oxycodone-D6	4.469	564685	92017	6.1368	255.5312
Hydrocodone	Hydrocodone-D6	4.774	396262	86476	4.5823	261.7158
Norhydrocodone	Norhydrocodone-D3	4.818	29889	25948	1.1519	253.5937
Methamphetamine	Methamphetamine-D11	4.821	953363	149039	6.3967	240.5809
6-MAM	6-MAM-D6	5.008	19114	30577	0.6251	24.1881
Phentermine	Phentermine-D5	5.686	317062	201139	1.5763	261.1017
Dextroprphan	Dextroprphan-D3	6.183	424871	134269	3.1643	253.7641
7-aminoclonazepam	7-Aminoclonazepam-D4	6.292	494483	89668	5.5146	267.0003
Tramadol	Tramadol-13C-D3	6.302	3406805	704530	4.8356	251.4212
Doxylamine	Doxylamine-D5	6.641	3559395	668412	5.3251	262.6470
Bupropion	Bupropion-D9	6.890	1359887	258862	5.2533	252.8566
Meprobamate	Meprobamate-D7	6.992	212544	55436	3.8340	250.5758
Zolpidem	Zolpidem-D6	7.061	2388548	481911	4.9564	250.9216
Venlafaxine	Venlafaxine-D6	7.125	3316471	611428	5.4241	242.8158
Citalopram	Citalopram-D6	7.237	1611601	300795	5.3578	250.2952
Dextromethorphan	Dextromethorphan-D3	7.268	390788	65705	5.9476	274.7494
Trazodone	Trazodone-D6	7.235	1562170	322575	4.8428	248.1688
Diphenhydramine	Diphenhydramine-D3	7.291	2770959	570489	4.8572	244.4264
Promethazine	Promethazine-D3	7.446	2180344	525347	4.1503	233.7740

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

*a 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>
Clonazepam	Clonazepam-D4	7.482	362953	19443	18.6677	259.9293
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.560	127352	25212	5.0512	226.1529
Carisoprodol	Carisoprodol-D7	7.592	1047761	236178	4.4363	237.0965
Lorazepam	Alprazolam-D5	7.602	104691	144803	0.7230	207.3667
Alprazolam	Alprazolam-D5	7.626	903480	144803	6.2394	249.4463

*A*

# ISP FORENSICS - Cd'A Instrument # 62340

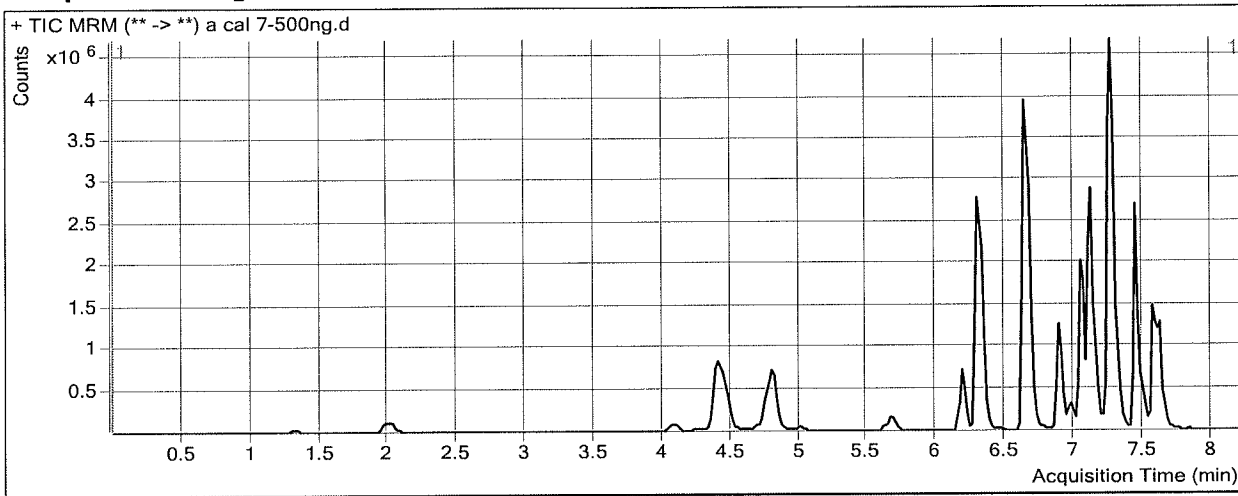
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1a.batch.bin		
<b>Analysis Time</b>	1/4/2018 7:34 AM	<b>Analyst Name</b>	ISP Tox
<b>Report Time</b>	1/4/2018 7:39 AM	<b>Reporter Name</b>	ISP Tox
<b>Last Calib Update</b>	1/4/2018 7:34 AM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2018-01-03 15:41	<b>Data File</b>	a cal 7-500ng.d
<b>Sample Type</b>	Calibration	<b>Sample Name</b>	a cal 7-500ng
<b>Dilution</b>	1	<b>Acq Method</b>	Quant Panel 1a 10-17.m
<b>Position</b>	P1-G1	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	AM 28 Panel 1

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.328	78198	1598	48.9318	488.1949
Hydromorphone	Hydromorphone-D6	2.009	415549	26459	15.7056	515.0809
Codeine	Codeine-D6	4.095	189400	14508	13.0548	507.5598
Amphetamine	Amphetamine-D11	4.423	2401889	64422	37.2835	477.0593
Oxycodone	Oxycodone-D6	4.469	1143622	92839	12.3183	512.7642
Hydrocodone	Hydrocodone-D6	4.774	755627	84324	8.9610	512.3116
Norhydrocodone	Norhydrocodone-D3	4.799	55650	22940	2.4258	533.7047
Methamphetamine	Methamphetamine-D11	4.821	1906905	141427	13.4833	507.8073
6-MAM	6-MAM-D6	5.008	38796	29606	1.3104	50.6162
Phentermine	Phentermine-D5	5.686	604334	195650	3.0889	512.3138
Dextroprphan	Dextroprphan-D3	6.183	821717	129263	6.3570	509.3285
7-aminoclonazepam	7-Aminoclonazepam-D4	6.292	833981	80481	10.3625	502.8857
Tramadol	Tramadol-13C-D3	6.302	6652537	691003	9.6274	500.7824
Doxylamine	Doxylamine-D5	6.641	7200336	701150	10.2693	506.5500
Bupropion	Bupropion-D9	6.890	2613714	248620	10.5129	505.9534
Meprobamate	Meprobamate-D7	6.992	385966	51314	7.5216	490.7217
Zolpidem	Zolpidem-D6	7.041	4521836	447398	10.1070	511.8642
Venlafaxine	Venlafaxine-D6	7.125	6539842	578114	11.3124	505.5509
Citalopram	Citalopram-D6	7.237	2900007	252413	11.4892	536.7473
Dextromethorphan	Dextromethorphan-D3	7.268	739249	71052	10.4043	479.1742
Trazodone	Trazodone-D6	7.235	2775201	317144	8.7506	448.8980
Diphenhydramine	Diphenhydramine-D3	7.291	5279421	528794	9.9839	502.0706
Promethazine	Promethazine-D3	7.446	4409669	479797	9.1907	516.6915

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

a cal 7

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.482	523443	13947	37.5299	522.4238
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.560	209666	17897	11.7151	522.6506
Carisoprodol	Carisoprodol-D7	7.572	1627439	168845	9.6387	514.8936
Lorazepam	Alprazolam-D5	7.602	163367	118836	1.3747	408.1340
Alprazolam	Alprazolam-D5	7.626	1511293	118836	12.7175	508.2123



# ISP FORENSICS - Cd'A Instrument # 62340

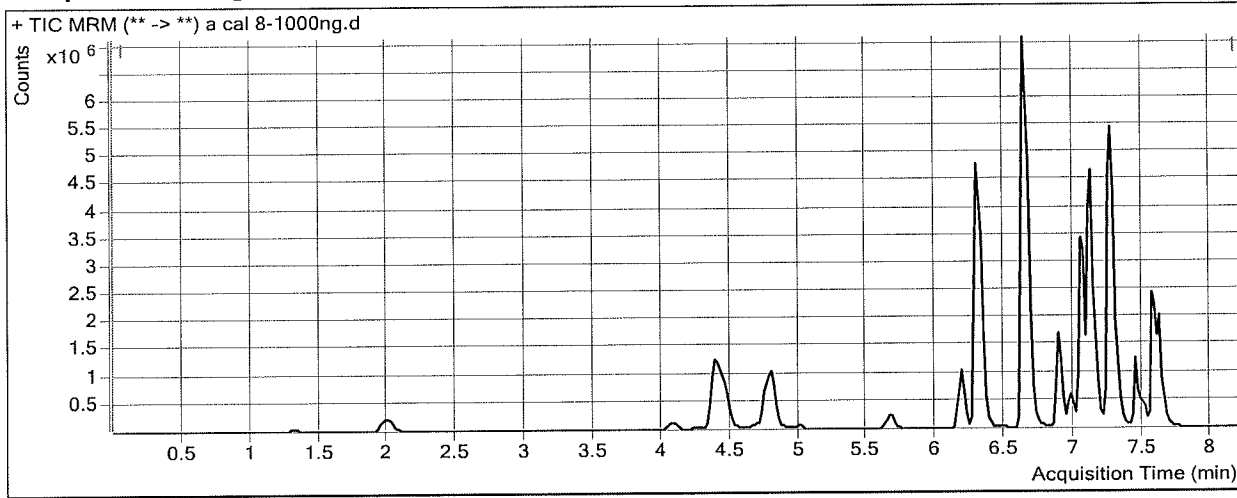
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1a.batch.bin  
**Analysis Time** 1/4/2018 7:34 AM **Analyst Name** ISP Tox  
**Report Time** 1/4/2018 7:39 AM **Reporter Name** ISP Tox  
**Last Calib Update** 1/4/2018 7:34 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-01-03 16:06 **Data File** a cal 8-1000ng.d  
**Sample Type** Calibration **Sample Name** a cal 8-1000ng  
**Dilution** 1 **Acq Method** Quant Panel 1a 10-17.m  
**Position** P1-H1 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28 Panel 1

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.328	149692	1437	104.1596	1037.4781
Hydromorphone	Hydromorphone-D6	2.009	811083	25077	32.3435	1060.9453
Codeine	Codeine-D6	4.076	342327	13306	25.7266	999.3286
Amphetamine	Amphetamine-D11	4.403	3630410	51547	70.4290	903.5183
Oxycodone	Oxycodone-D6	4.449	2186412	92131	23.7317	987.7033
Hydrocodone	Hydrocodone-D6	4.754	1341615	79026	16.9768	971.0620
Norhydrocodone	Norhydrocodone-D3	4.799	95616	18707	5.1114	1124.1900
Methamphetamine	Methamphetamine-D11	4.802	2590513	106998	24.2108	912.3269
6-MAM	6-MAM-D6	4.988	73589	28021	2.6262	101.3624
Phentermine	Phentermine-D5	5.666	985841	168905	5.8367	968.6918
Dextrophan	Dextrophan-D3	6.183	1313430	102363	12.8311	1027.5708
7-aminoclonazepam	7-Aminoclonazepam-D4	6.292	1331494	66950	19.8880	966.3715
Tramadol	Tramadol-13C-D3	6.302	12197048	636403	19.1656	997.1442
Doxylamine	Doxylamine-D5	6.641	13207422	665444	19.8475	979.0573
Bupropion	Bupropion-D9	6.890	3569013	175343	20.3544	979.5381
Meprobamate	Meprobamate-D7	6.992	759375	48814	15.5565	1013.9700
Zolpidem	Zolpidem-D6	7.041	8308747	428131	19.4070	983.0343
Venlafaxine	Venlafaxine-D6	7.125	11532463	512404	22.5066	1005.0385
Citalopram	Citalopram-D6	7.237	3016955	146331	20.6174	963.2118
Dextromethorphan	Dextromethorphan-D3	7.268	633299	28849	21.9521	1008.8634
Trazodone	Trazodone-D6	7.235	4565150	283373	16.1100	826.9246
Diphenhydramine	Diphenhydramine-D3	7.291	6134202	299766	20.4633	1028.7159
Promethazine	Promethazine-D3	7.446	2061622	116195	17.7427	996.7165



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

*a cal 8*

<b>Compound</b>	<b>ISTD Compound</b>	<b>RT</b>	<b>Response</b>	<b>ISTD Resp</b>	<b>Resp Ratio</b>	<b>Final Conc</b>
Clonazepam	Clonazepam-D4	7.482	759813	11500	66.0719	919.6278
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.560	365809	16092	22.7326	1012.8621
Carisoprodol	Carisoprodol-D7	7.592	2780637	148802	18.6868	998.0523
Lorazepam	Alprazolam-D5	7.582	168642	96760	1.7429	521.5453
Alprazolam	Alprazolam-D5	7.626	2490529	96760	25.7393	1028.3599

# ISP FORENSICS - Cd'A Instrument # 62340

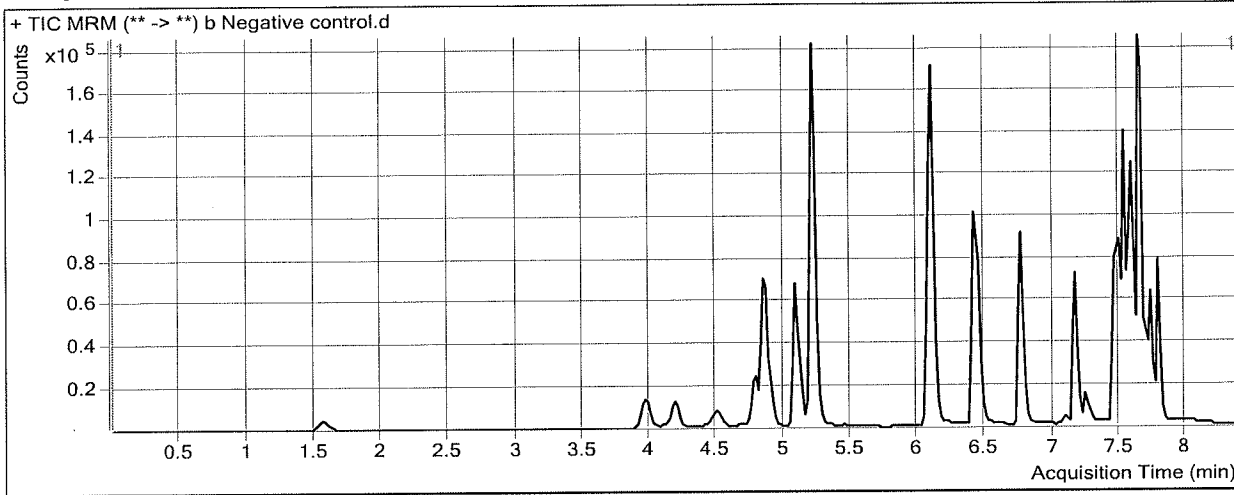
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1b.batch.bin  
**Analysis Time** 1/4/2018 7:51 AM **Analyst Name** ISP Tox  
**Report Time** 1/4/2018 7:53 AM **Reporter Name** ISP Tox  
**Last Calib Update** 1/4/2018 7:51 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-01-03 16:57 **Data File** b Negative control.d  
**Sample Type** Sample **Sample Name** b Negative control  
**Dilution** 1 **Acq Method** Quant Panel 1b 10-2017.m  
**Position** P1-E2 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28 Panel 1

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.584	3847	209949	0.0183	0.8040 <i>25</i>

# ISP FORENSICS - Cd'A Instrument # 62340

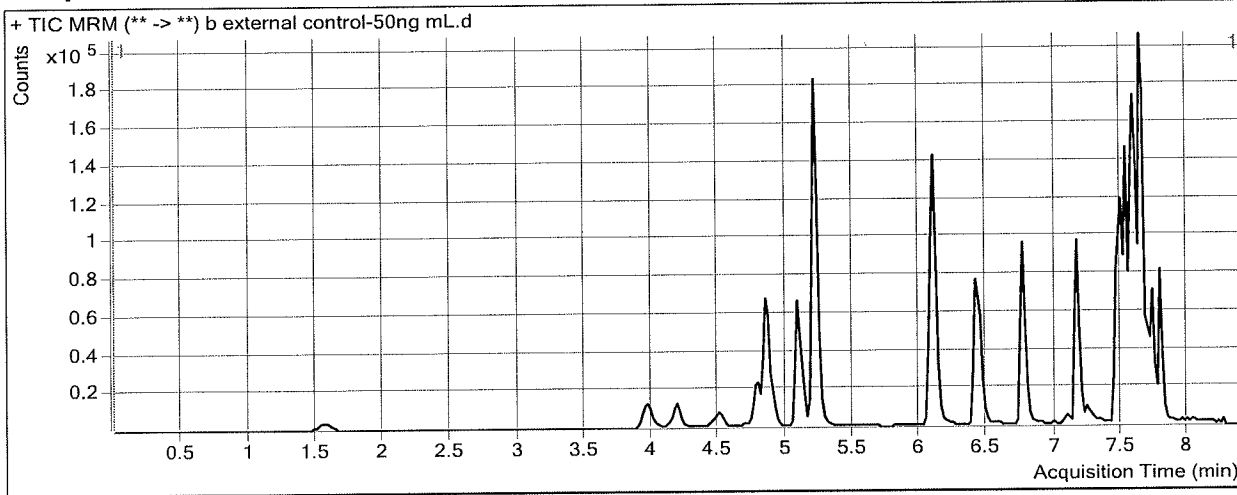
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1b.batch.bin  
**Analysis Time** 1/4/2018 7:51 AM **Analyst Name** ISP Tox  
**Report Time** 1/4/2018 7:53 AM **Reporter Name** ISP Tox  
**Last Calib Update** 1/4/2018 7:51 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-01-03 17:23 **Data File** b external control-50ng mL.d  
**Sample Type** Sample **Sample Name** b external control-50ng mL  
**Dilution** 1 **Acq Method** Quant Panel 1b 10-2017.m  
**Position** P1-F2 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28: lot 21718 50 ng oxazepam

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxazepam	Oxazepam-D5	7.609	96070	142310	0.6751	34.7017

# ISP FORENSICS - Cd'A Instrument # 62340

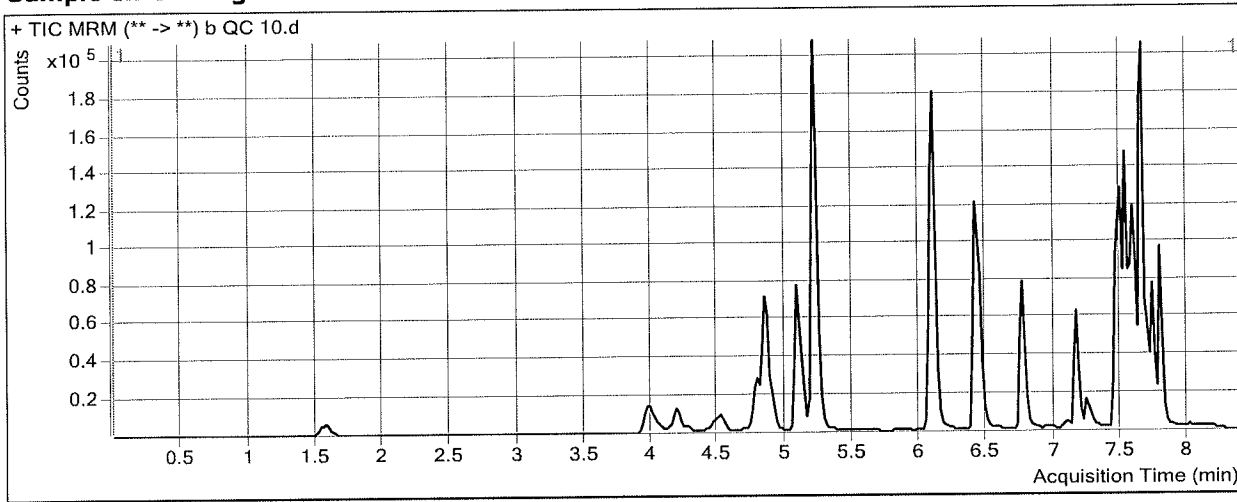
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1b.batch.bin  
**Analysis Time** 1/4/2018 7:51 AM **Analyst Name** ISP Tox  
**Report Time** 1/4/2018 7:53 AM **Reporter Name** ISP Tox  
**Last Calib Update** 1/4/2018 7:51 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-01-03 17:48 **Data File** b QC 10.d  
**Sample Type** QC **Sample Name** b QC 10  
**Dilution** 1 **Acq Method** Quant Panel 1b 10-2017.m  
**Position** P1-A2 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28 Panel 1

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.588	5967	27306	0.2185	10.1458
Dihydrocodeine	Dihydrocodeine-D6	4.035	11946	65940	0.1812	9.1908
Naloxone	Naloxone-D5	4.246	7439	58470	0.1272	9.4883
Noroxycodone	Noroxycodone-D3	4.537	7643	33957	0.2251	10.2298
Naltrexone	Naltrexone-D3	4.810	16903	82506	0.2049	9.6730
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.924	5039	255460	0.0197	0.9352
Naltrexol	Naltrexol-D3	5.110	44351	185871	0.2386	9.1232
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.219	112073	564832	0.1984	9.8490
Ketamine	Ketamine-D4	6.075	43512	184672	0.2356	9.6634
Norfentanyl	Norfentanyl-D5	6.120	6836	389816	0.0175	1.4133 <i>outside curve range</i>
alpha-PVP	alpha-PVP-d8	6.427	67466	286790	0.2352	9.8443
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.780	4644	235984	0.0197	1.0405
Norbuprenorphine	Norbuprenorphine-D3	7.093	77	8554	0.0090	0.5136 <i>outside curve range</i>
Fentanyl	Fentanyl-D5	7.158	3205	166812	0.0192	0.9666
EDDP	EDDP-D3	7.249	5864	27851	0.2106	10.8661
Quetiapine	Quetiapine-D8	7.479	80692	109942	0.7340	10.3027
Sufentanil	Sufentanil-D5	7.478	2613	93159	0.0280	1.3360
Cyclobenzaprine	Cyclobenzaprine-D3	7.512	14542	63086	0.2305	10.8592
Methadone	Methadone-D9	7.522	35309	210587	0.1677	10.3666
Fluoxetine	Fluoxetine-D6	7.584	35332	162156	0.2179	10.7876
Oxazepam	Oxazepam-D5	7.609	26415	141317	0.1869	9.9446
Sertraline	Sertraline-D3	7.645	8676	37034	0.2343	11.6607
Temazepam	Temazepam-D5	7.667	76468	401909	0.1903	10.1129

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

b 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>
Nordiazepam	Nordiazepam-D5	7.735	25313	78068	0.3242	9.8838
Buprenorphine	Buprenorphine-D4	7.776	1160	49559	0.0234	1.0211
Diazepam	Diazepam-D5	7.790	36142	143234	0.2523	10.4006



# ISP FORENSICS - Cd'A Instrument # 62340

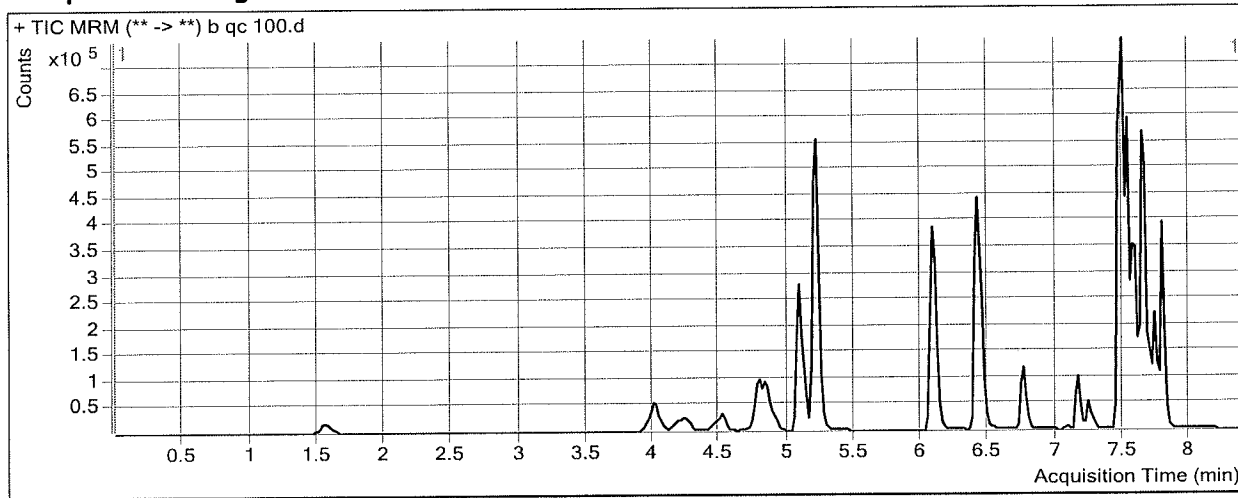
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1b.batch.bin	<b>Analyst Name</b>	ISP Tox
<b>Analysis Time</b>	1/4/2018 7:51 AM	<b>Reporter Name</b>	ISP Tox
<b>Report Time</b>	1/4/2018 7:53 AM	<b>Batch State</b>	Processed
<b>Last Calib Update</b>	1/4/2018 7:51 AM		

### Analysis Info

<b>Acq Time</b>	2018-01-03 21:23	<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>	Quant Panel 1b 10-2017.m
<b>Position</b>	P1-B2	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	AM 28 Panel 1

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.588	67342	29918	2.2509	96.4448
Dihydrocodeine	Dihydrocodeine-D6	4.035	134058	73509	1.8237	100.4373
Naloxone	Naloxone-D5	4.246	93236	65945	1.4138	99.3278
Noroxycodone	Noroxycodone-D3	4.517	85354	38750	2.2027	91.7768
Naltrexone	Naltrexone-D3	4.790	182228	85518	2.1309	100.3335
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.904	58273	290600	0.2005	8.9173
Naltrexol	Naltrexol-D3	5.089	513625	205998	2.4934	100.8044
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.219	1254341	624135	2.0097	96.2198
Ketamine	Ketamine-D4	6.075	503660	208144	2.4198	97.3822
Norfentanyl	Norfentanyl-D5	6.120	84406	432624	0.1951	9.4132
alpha-PVP	alpha-PVP-d8	6.427	817180	326438	2.5033	101.6113
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.760	54206	292423	0.1854	8.9596
Norbuprenorphine	Norbuprenorphine-D3	7.073	1772	9687	0.1830	8.6394
Fentanyl	Fentanyl-D5	7.158	43998	216708	0.2030	8.8861
EDDP	EDDP-D3	7.249	72083	33081	2.1790	96.1202
Quetiapine	Quetiapine-D8	7.479	982830	137855	7.1295	98.5474
Sufentanil	Sufentanil-D5	7.478	29376	137308	0.2139	10.4859
Cyclobenzaprine	Cyclobenzaprine-D3	7.492	200337	90463	2.2146	94.3455
Methadone	Methadone-D9	7.522	410023	249044	1.6464	95.1517
Fluoxetine	Fluoxetine-D6	7.564	487138	236806	2.0571	102.7983
Oxazepam	Oxazepam-D5	7.609	166277	77848	2.1359	108.7871
Sertraline	Sertraline-D3	7.625	130255	63848	2.0401	95.7930
Temazepam	Temazepam-D5	7.667	737091	374020	1.9707	94.2981

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

b QC 100

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<b>Compound</b>	<b>ISTD Compound</b>	<b>RT</b>	<b>Response</b>	<b>ISTD Resp</b>	<b>Resp Ratio</b>	<b>Final Conc</b>
Nordiazepam	Nordiazepam-D5	7.735	246427	78460	3.1408	95.9592
Buprenorphine	Buprenorphine-D4	7.776	13843	60569	0.2285	10.1391
Diazepam	Diazepam-D5	7.790	401752	158588	2.5333	91.4412



# ISP FORENSICS - Cd'A Instrument # 62340

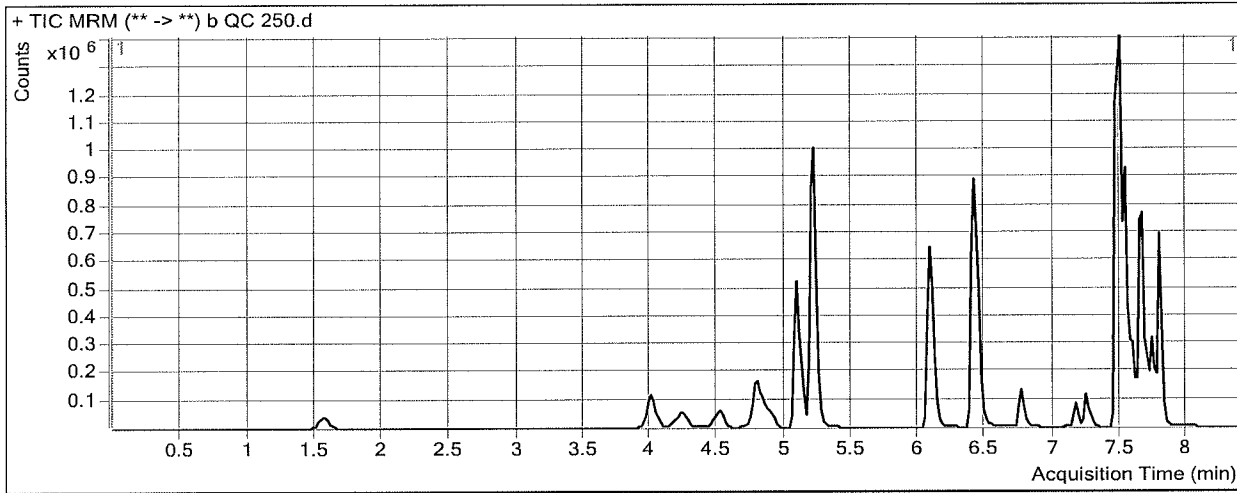
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1b.batch.bin		
<b>Analysis Time</b>	1/4/2018 7:51 AM	<b>Analyst Name</b>	ISP Tox
<b>Report Time</b>	1/4/2018 7:53 AM	<b>Reporter Name</b>	ISP Tox
<b>Last Calib Update</b>	1/4/2018 7:51 AM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2018-01-04 00:08	<b>Data File</b>	b QC 250.d
<b>Sample Type</b>	QC	<b>Sample Name</b>	b QC 250
<b>Dilution</b>	1	<b>Acq Method</b>	Quant Panel 1b 10-2017.m
<b>Position</b>	P1-C2	<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	161890	27968	5.7884	246.6551
Dihydrocodeine	Dihydrocodeine-D6	4.015	306023	67651	4.5235	250.4190
Naloxone	Naloxone-D5	4.246	220384	60987	3.6136	252.9293
Noroxycodone	Noroxycodone-D3	4.517	186734	33743	5.5341	229.1445
Naltrexone	Naltrexone-D3	4.790	376053	71148	5.2855	248.8286
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.904	141213	260305	0.5425	24.0145
Naltrexol	Naltrexol-D3	5.089	1115633	183783	6.0704	246.2522
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.219	2809801	568413	4.9432	236.1018
Ketamine	Ketamine-D4	6.075	1159453	192777	6.0145	241.7506
Norfentanyl	Norfentanyl-D5	6.120	195936	387941	0.5051	23.3783
alpha-PVP	alpha-PVP-d8	6.427	1885212	304880	6.1835	250.5101
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.760	109498	237402	0.4612	22.1449
Norbuprenorphine	Norbuprenorphine-D3	7.073	3772	7918	0.4764	22.3459
Fentanyl	Fentanyl-D5	7.158	66082	131043	0.5043	21.8650
EDDP	EDDP-D3	7.249	195899	33322	5.8790	256.3721
Quetiapine	Quetiapine-D8	7.479	2268295	125193	18.1184	250.1718
Sufentanil	Sufentanil-D5	7.478	34271	64189	0.5339	26.2346
Cyclobenzaprine	Cyclobenzaprine-D3	7.492	224101	40557	5.5256	233.6676
Methadone	Methadone-D9	7.522	803558	187422	4.2874	246.5807
Fluoxetine	Fluoxetine-D6	7.564	421157	84880	4.9618	248.1107
Oxazepam	Oxazepam-D5	7.609	192515	44061	4.3693	222.0524
Sertraline	Sertraline-D3	7.625	106160	20647	5.1418	240.3004
Temazepam	Temazepam-D5	7.667	1392302	272104	5.1168	243.0523



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

b QC 250

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<b>Compound</b>	<b>ISTD Compound</b>	<b>RT</b>	<b>Response</b>	<b>ISTD Resp</b>	<b>Resp Ratio</b>	<b>Final Conc</b>
Nordiazepam	Nordiazepam-D5	7.735	445291	58241	7.6457	233.6298
Buprenorphine	Buprenorphine-D4	7.776	24998	46308	0.5398	23.9741
Diazepam	Diazepam-D5	7.790	847471	134321	6.3093	225.5979



# ISP FORENSICS - Cd'A Instrument # 62340

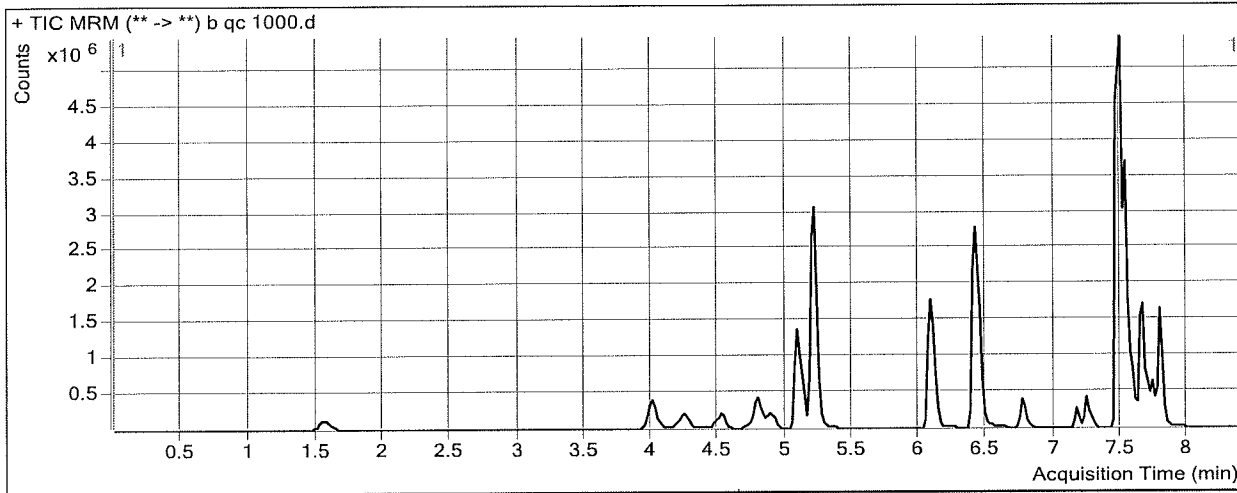
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1b.batch.bin  
**Analysis Time** 1/4/2018 7:51 AM **Analyst Name** ISP Tox  
**Report Time** 1/4/2018 7:53 AM **Reporter Name** ISP Tox  
**Last Calib Update** 1/4/2018 7:51 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-01-04 00:33 **Data File** b qc 1000.d  
**Sample Type** QC **Sample Name** b qc 1000  
**Dilution** 1 **Acq Method** Quant Panel 1b 10-2017.m  
**Position** P1-D2 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28 Panel 1

### Sample Chromatogram



### Results

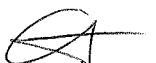
Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.588	650813	26801	24.2836	1031.9915
Dihydrocodeine	Dihydrocodeine-D6	4.015	1080543	64615	16.7229	928.1222
Naloxone	Naloxone-D5	4.247	820702	54618	15.0261	1049.8194
Noroxycodone	Noroxycodone-D3	4.517	690772	28076	24.6036	1015.4737
Naltrexone	Naltrexone-D3	4.790	1067277	50230	21.2478	1000.2026
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.904	574112	239804	2.3941	105.7593
Naltrexol	Naltrexol-D3	5.089	3536220	148871	23.7536	965.2812
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.219	10235954	493638	20.7358	989.1550
Ketamine	Ketamine-D4	6.075	4086011	173615	23.5349	945.3941
Norfentanyl	Norfentanyl-D5	6.120	729606	318129	2.2934	103.9507
alpha-PVP	alpha-PVP-d8	6.427	6675374	279754	23.8616	965.7710
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.760	583572	288874	2.0202	96.6548
Norbuprenorphine	Norbuprenorphine-D3	7.073	12274	5965	2.0576	96.2005
Fentanyl	Fentanyl-D5	7.158	331083	148523	2.2292	96.1797
EDDP	EDDP-D3	7.249	866980	36758	23.5860	1023.2818
Quetiapine	Quetiapine-D8	7.479	9228099	135791	67.9583	937.8583
Sufentanil	Sufentanil-D5	7.478	164866	76815	2.1463	105.5944
Cyclobenzaprine	Cyclobenzaprine-D3	7.492	891062	40238	22.1445	932.9633
Methadone	Methadone-D9	7.522	3616858	198616	18.2103	1044.8743
Fluoxetine	Fluoxetine-D6	7.564	1357395	65773	20.6377	1032.3250
Oxazepam	Oxazepam-D5	7.609	452372	20056	22.5552	1144.3447
Sertraline	Sertraline-D3	7.645	314901	14757	21.3397	994.9575
Temazepam	Temazepam-D5	7.667	3422067	160834	21.2769	1007.1466

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

b QC 1000

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<b>Compound</b>	<b>ISTD Compound</b>	<b>RT</b>	<b>Response</b>	<b>ISTD Resp</b>	<b>Resp Ratio</b>	<b>Final Conc</b>
Nordiazepam	Nordiazepam-D5	7.735	966533	31391	30.7901	940.9336
Buprenorphine	Buprenorphine-D4	7.776	86832	40304	2.1544	95.7391
Diazepam	Diazepam-D5	7.790	2488599	91517	27.1927	967.5632

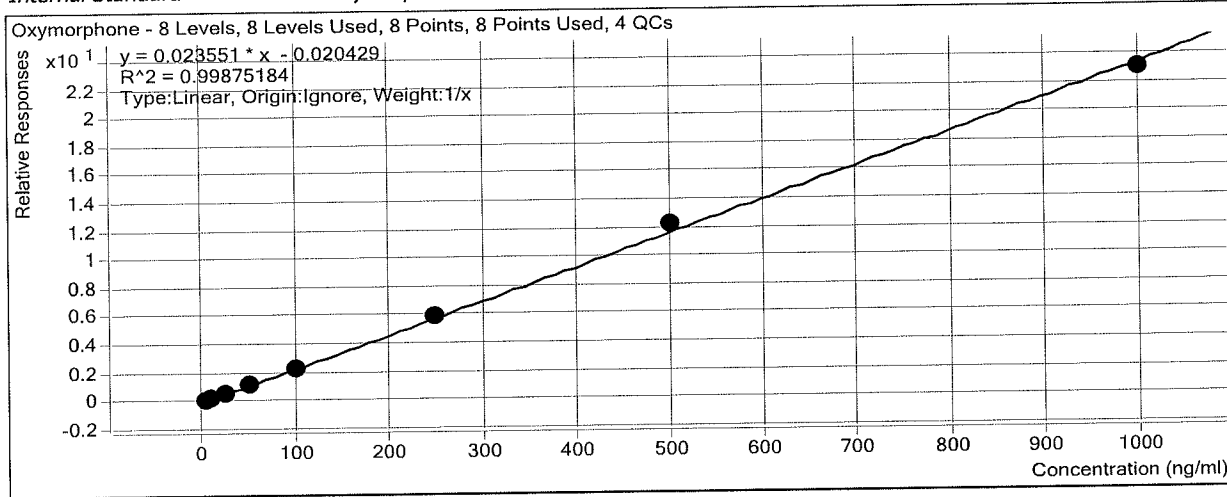


# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1b.batch.bin

**Last Calib Update** 1/4/2018 7:51 AM **Analyst Name** ISP TOX

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



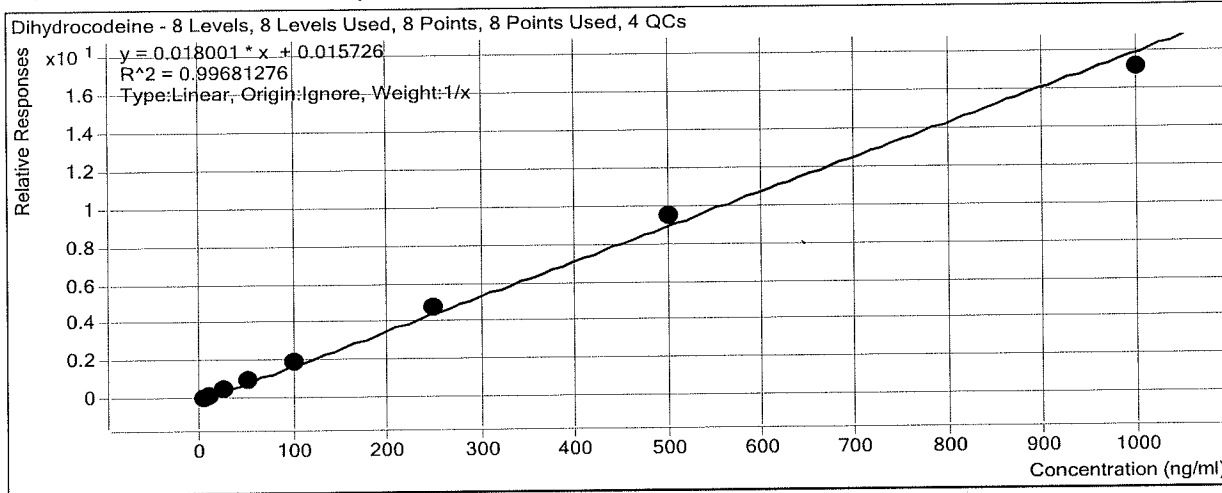
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b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	101.2
b QC 10	2	<input checked="" type="checkbox"/>	10	10.1	101.5
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.8	95.3
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.2	96.4
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	95.5	95.5
b qc 100	5	<input checked="" type="checkbox"/>	100	96.4	96.4
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	255.2	102.1
b QC 250	6	<input checked="" type="checkbox"/>	250	246.7	98.7
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	524.8	105.0
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	977.0	97.7
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1032.0	103.2

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1b.batch.bin

**Last Calib Update** 1/4/2018 7:51 AM **Analyst Name** ISP TOX

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



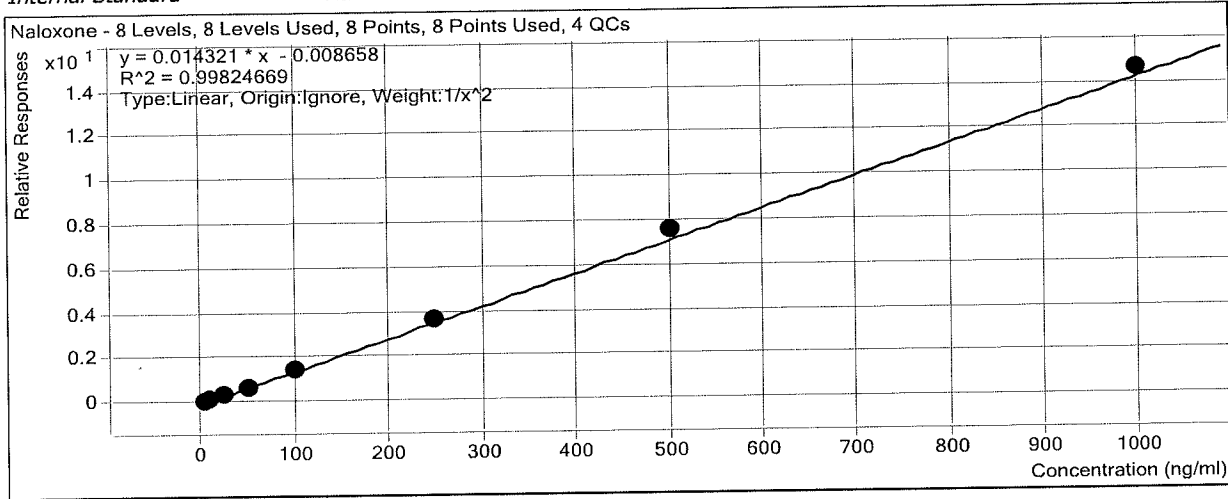
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.3	86.3
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	96.3
b QC 10	2	<input checked="" type="checkbox"/>	10	9.2	91.9
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.0	100.0
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.7	103.3
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	107.6	107.6
b qc 100	5	<input checked="" type="checkbox"/>	100	100.4	100.4
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	265.5	106.2
b QC 250	6	<input checked="" type="checkbox"/>	250	250.4	100.2
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	526.6	105.3
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	949.6	95.0
b qc 1000	8	<input checked="" type="checkbox"/>	1000	928.1	92.8

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1b.batch.bin

**Last Calib Update** 1/4/2018 7:51 AM **Analyst Name** ISP TOX

**Target Compound** *Naloxone*  
**Internal Standard** *Naloxone-D5*



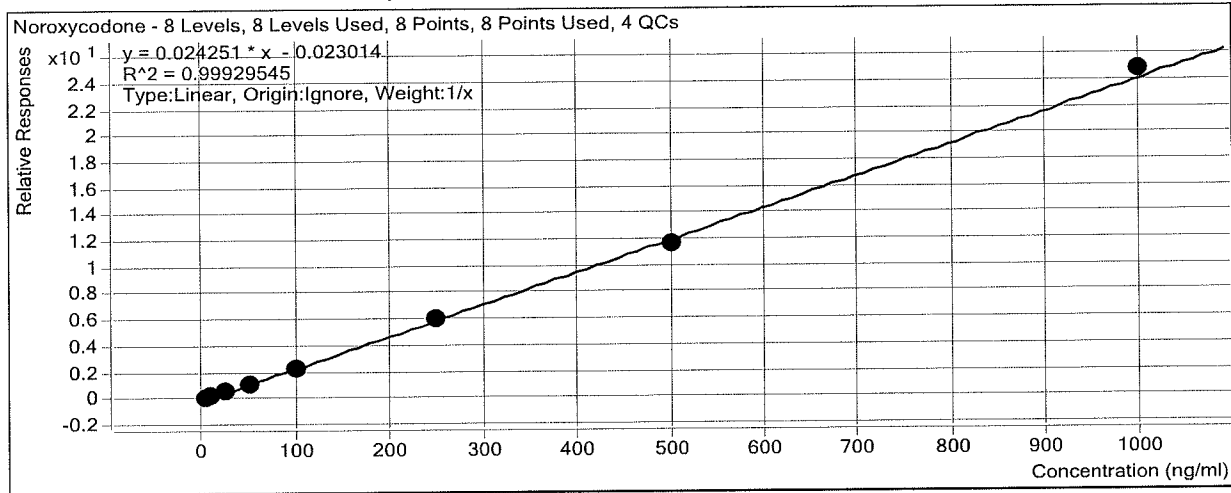
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.2
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.2	102.1
b QC 10	2	<input checked="" type="checkbox"/>	10	9.5	94.9
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.2	96.8
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.0	94.0
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.9	97.9
b qc 100	5	<input checked="" type="checkbox"/>	100	99.3	99.3
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	253.1	101.2
b QC 250	6	<input checked="" type="checkbox"/>	250	252.9	101.2
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	528.2	105.6
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1021.2	102.1
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1049.8	105.0

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1b.batch.bin

**Last Calib Update** 1/4/2018 7:51 AM **Analyst Name** ISP TOX

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



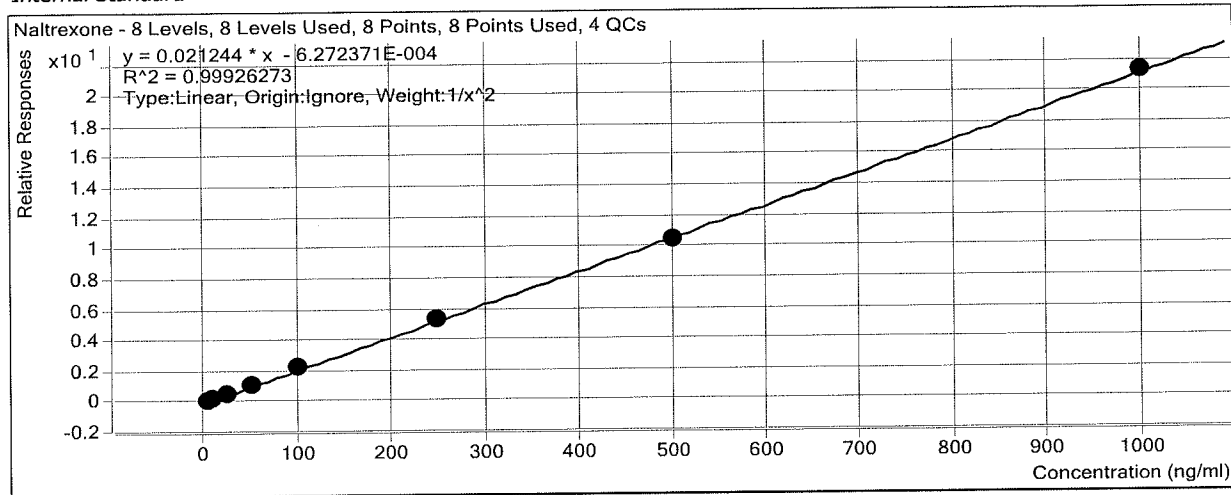
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.5	109.6
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	99.4
b QC 10	2	<input checked="" type="checkbox"/>	10	10.2	102.3
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.8	99.2
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.4	96.8
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.1	97.1
b qc 100	5	<input checked="" type="checkbox"/>	100	91.8	91.8
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	246.9	98.8
b QC 250	6	<input checked="" type="checkbox"/>	250	229.1	91.7
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	484.3	96.9
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1023.1	102.3
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1015.5	101.5

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1b.batch.bin

**Last Calib Update** 1/4/2018 7:51 AM **Analyst Name** ISP TOX

**Target Compound** *Naltrexone*  
**Internal Standard** *Naltrexone-D3*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	101.5
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	97.7
b QC 10	2	<input checked="" type="checkbox"/>	10	9.7	96.7
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.4	97.6
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.3	98.6
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	104.2	104.2
b qc 100	5	<input checked="" type="checkbox"/>	100	100.3	100.3
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	254.2	101.7
b QC 250	6	<input checked="" type="checkbox"/>	250	248.8	99.5
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	491.7	98.3
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1002.9	100.3
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1000.2	100.0

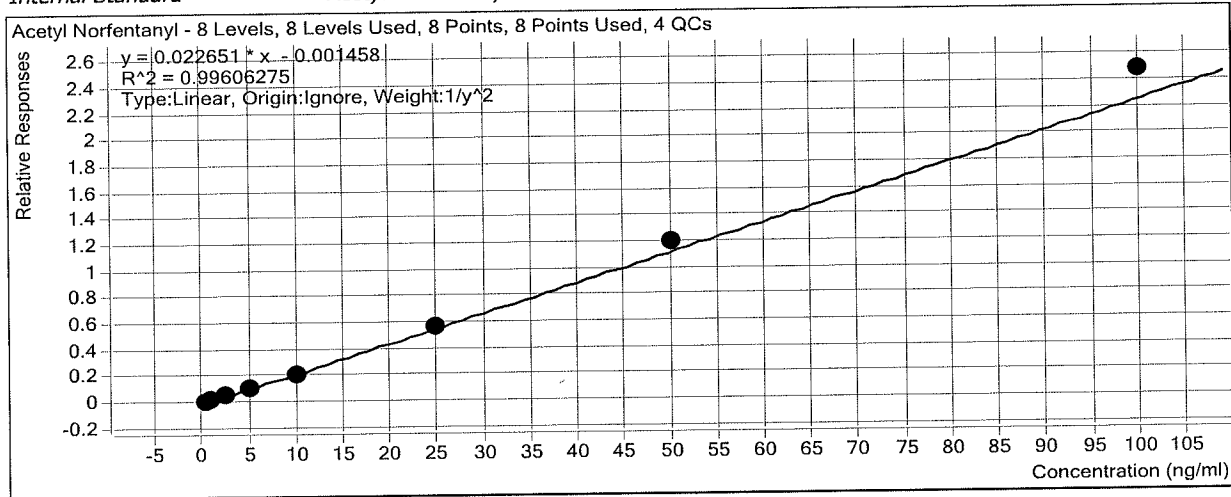


# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1b.batch.bin

**Last Calib Update** 1/4/2018 7:51 AM **Analyst Name** ISP TOX

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



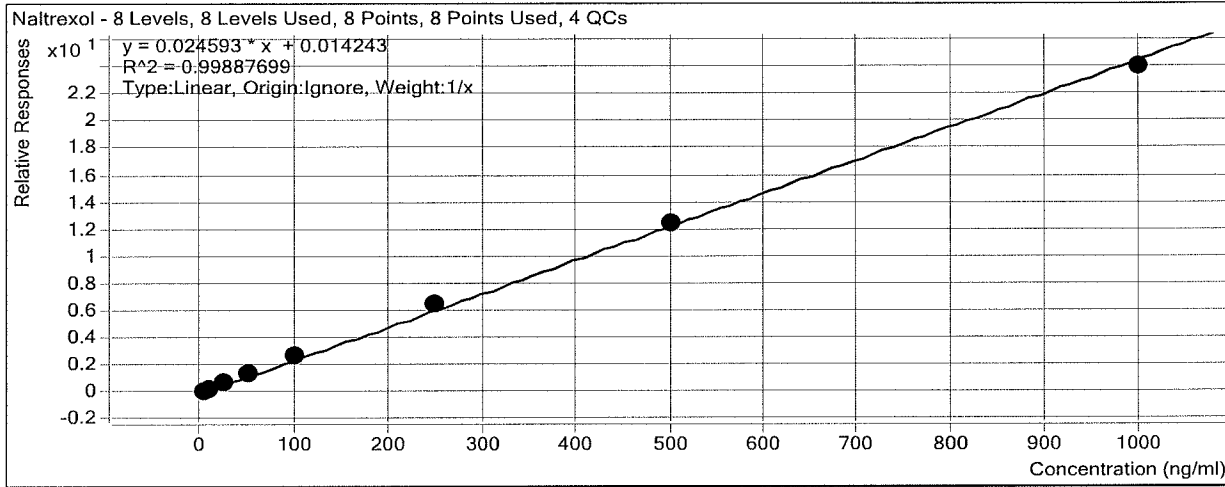
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	0.5	0.5	100.7
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.0	102.3
b QC 10	2	<input checked="" type="checkbox"/>	1	0.9	93.5
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.3	93.9
b cal 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	8.9	89.2
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	25.0	100.2
b QC 250	6	<input checked="" type="checkbox"/>	25	24.0	96.1
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	53.4	106.8
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	109.4	109.4
b qc 1000	8	<input checked="" type="checkbox"/>	100	105.8	105.8

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1b.batch.bin

**Last Calib Update** 1/4/2018 7:51 AM      **Analyst Name** ISP TOX

**Target Compound** *Naltrexol*  
**Internal Standard** *Naltrexol-D3*



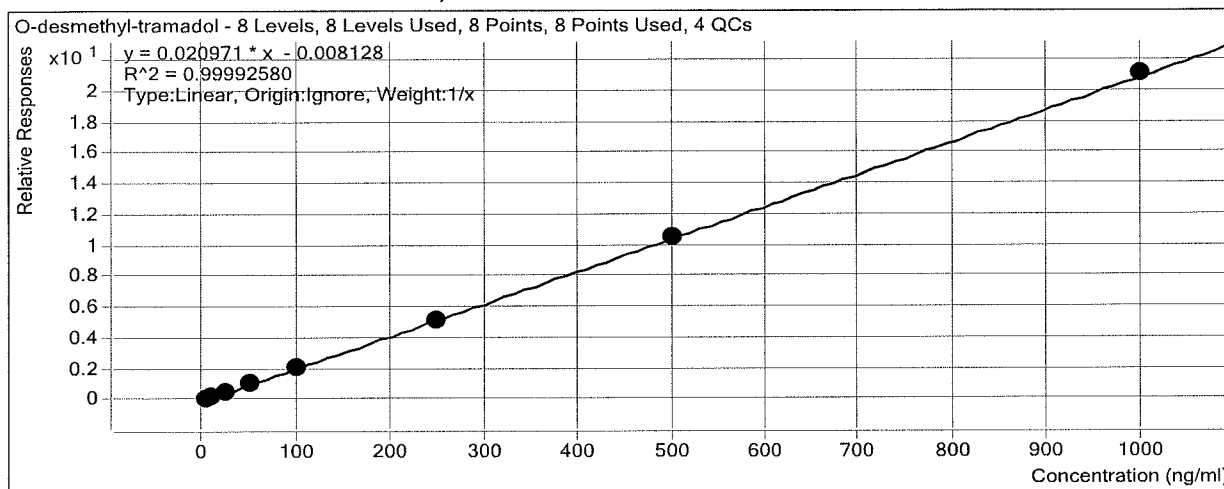
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.5	89.8
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.3	92.5
b QC 10	2	<input checked="" type="checkbox"/>	10	9.1	91.2
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.7	102.9
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.6	105.2
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	106.4	106.4
b qc 100	5	<input checked="" type="checkbox"/>	100	100.8	100.8
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	261.3	104.5
b QC 250	6	<input checked="" type="checkbox"/>	250	246.3	98.5
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	507.0	101.4
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	973.3	97.3
b qc 1000	8	<input checked="" type="checkbox"/>	1000	965.3	96.5

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1b.batch.bin

**Last Calib Update** 1/4/2018 7:51 AM      **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.4
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.2	101.8
b QC 10	2	<input checked="" type="checkbox"/>	10	9.8	98.5
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.9	99.7
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.4	98.8
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.1	98.1
b qc 100	5	<input checked="" type="checkbox"/>	100	96.2	96.2
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	246.5	98.6
b QC 250	6	<input checked="" type="checkbox"/>	250	236.1	94.4
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	500.0	100.0
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1005.7	100.6
b qc 1000	8	<input checked="" type="checkbox"/>	1000	989.2	98.9

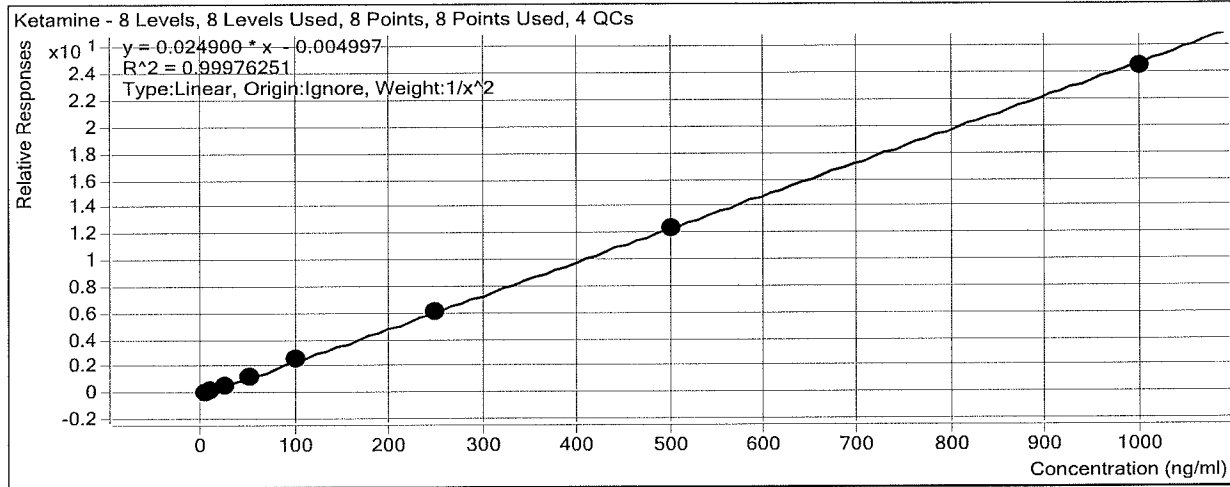
# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1b.batch.bin

**Last Calib Update** 1/4/2018 7:51 AM

**Analyst Name** ISP TOX

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



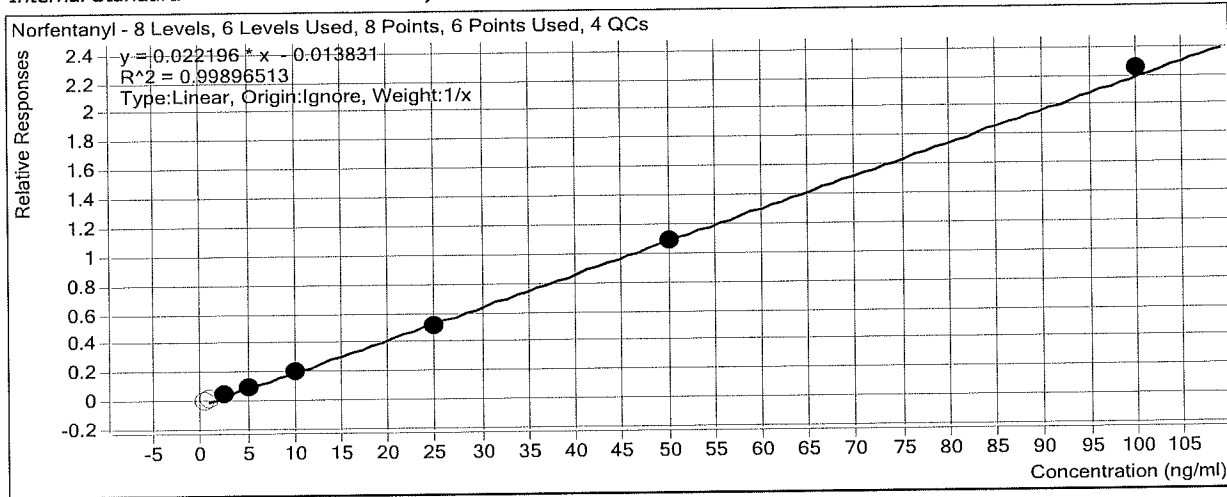
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	99.9
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	99.2
b QC 10	2	<input checked="" type="checkbox"/>	10	9.7	96.6
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.5	102.0
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.0	100.0
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.0	102.0
b qc 100	5	<input checked="" type="checkbox"/>	100	97.4	97.4
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	248.3	99.3
b QC 250	6	<input checked="" type="checkbox"/>	250	241.8	96.7
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	496.2	99.2
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	983.1	98.3
b qc 1000	8	<input checked="" type="checkbox"/>	1000	945.4	94.5

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1b.batch.bin

**Last Calib Update** 1/4/2018 7:51 AM **Analyst Name** ISP TOX

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



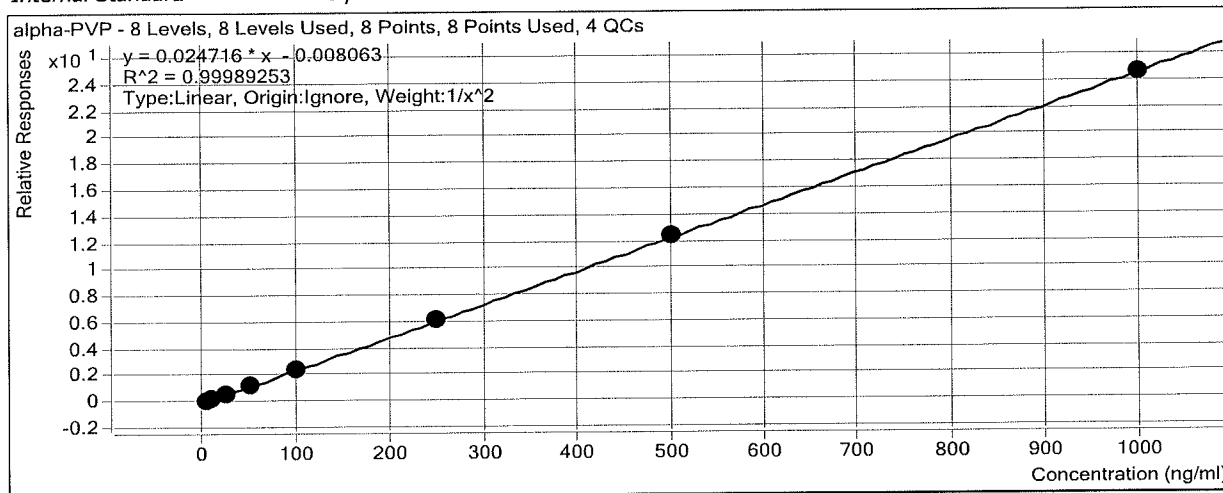
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input type="checkbox"/>	0.5	1.0	205.9
b cal 2-10ng	2	<input type="checkbox"/>	1	1.5	146.1
b QC 10	2	<input type="checkbox"/>	1	1.4	141.3
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.7	108.8
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.9	98.8
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.7	96.9
b qc 100	5	<input checked="" type="checkbox"/>	10	9.4	94.1
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	23.6	94.4
b QC 250	6	<input checked="" type="checkbox"/>	25	23.4	93.5
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	49.6	99.2
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	102.0	102.0
b qc 1000	8	<input checked="" type="checkbox"/>	100	104.0	104.0

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1b.batch.bin

**Last Calib Update** 1/4/2018 7:51 AM      **Analyst Name** ISP TOX

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



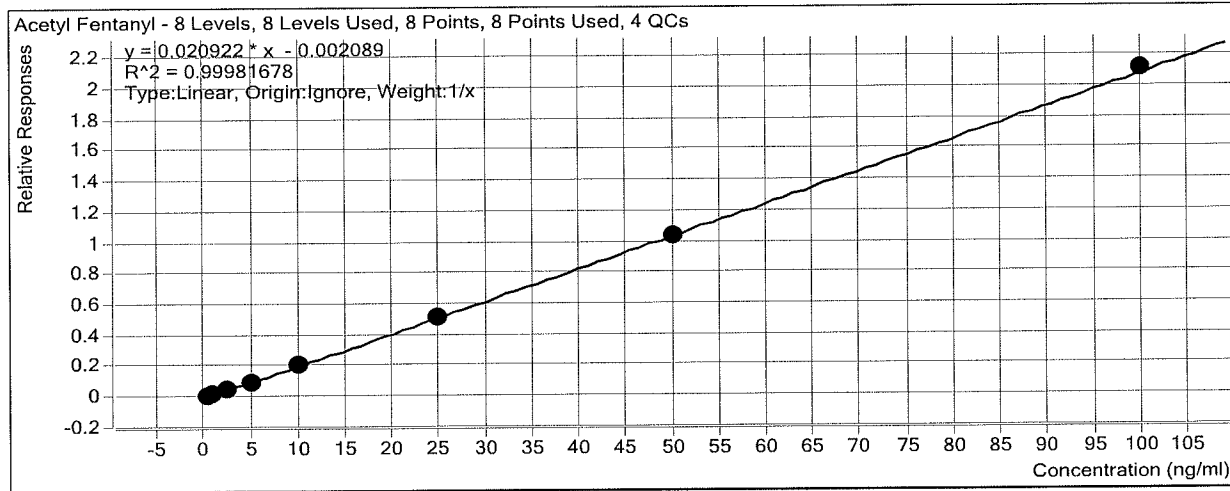
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.6
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	99.4
b QC 10	2	<input checked="" type="checkbox"/>	10	9.8	98.4
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.6	98.4
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.8	99.7
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.6	100.6
b qc 100	5	<input checked="" type="checkbox"/>	100	101.6	101.6
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	251.7	100.7
b QC 250	6	<input checked="" type="checkbox"/>	250	250.5	100.2
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	505.6	101.1
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	995.4	99.5
b qc 1000	8	<input checked="" type="checkbox"/>	1000	965.8	96.6

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1b.batch.bin

**Last Calib Update** 1/4/2018 7:51 AM **Analyst Name** ISP TOX

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



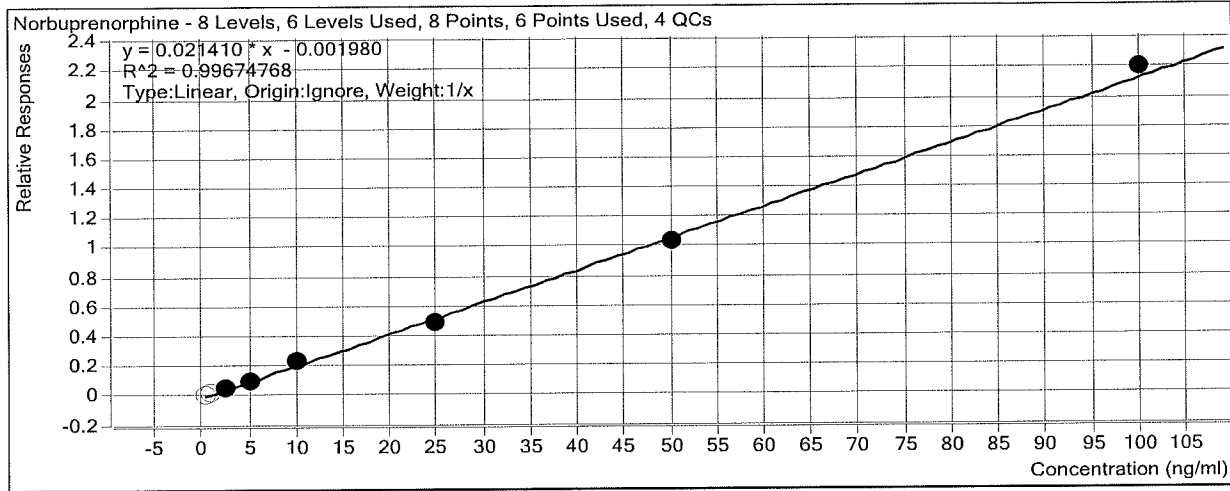
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	0.5	0.5	108.6
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.0	101.9
b QC 10	2	<input checked="" type="checkbox"/>	1	1.0	104.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.4	96.6
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.8	95.3
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.8	97.7
b qc 100	5	<input checked="" type="checkbox"/>	10	9.0	89.6
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	24.9	99.6
b QC 250	6	<input checked="" type="checkbox"/>	25	22.1	88.6
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	49.7	99.5
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	100.9	100.9
b qc 1000	8	<input checked="" type="checkbox"/>	100	96.7	96.7

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1b.batch.bin

**Last Calib Update** 1/4/2018 7:51 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input type="checkbox"/>	0.5	0.6	125.2
b cal 2-10ng	2	<input type="checkbox"/>	1	1.3	134.7
b QC 10	2	<input checked="" type="checkbox"/>	1	0.5	51.4
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.6	103.6
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.7	93.9
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	11.2	111.6
b qc 100	5	<input checked="" type="checkbox"/>	10	8.6	86.4
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	22.8	91.3
b QC 250	6	<input checked="" type="checkbox"/>	25	22.3	89.4
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	48.4	96.8
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	102.8	102.8
b qc 1000	8	<input checked="" type="checkbox"/>	100	96.2	96.2

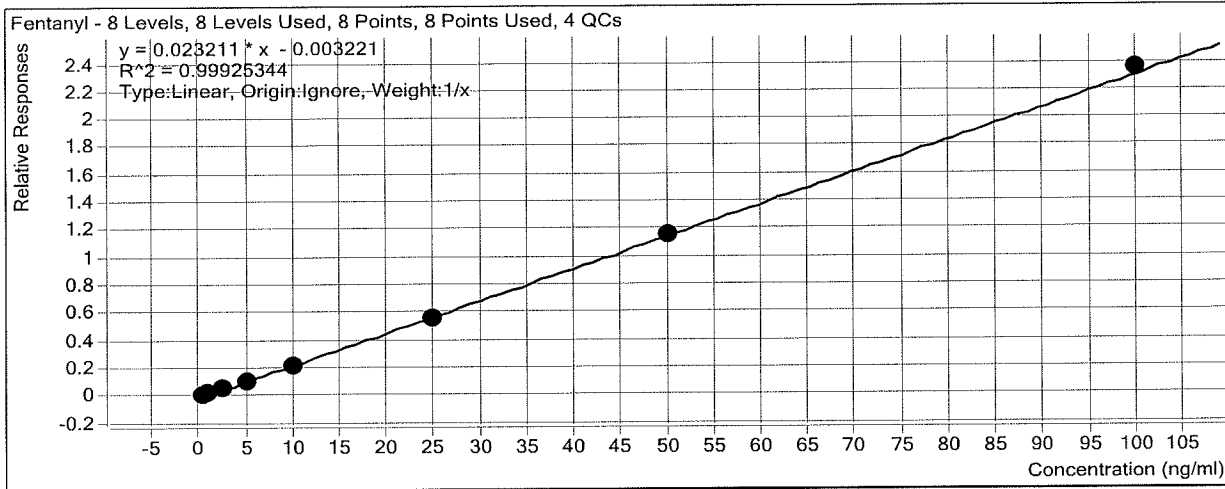


# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1b.batch.bin

**Last Calib Update** 1/4/2018 7:51 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	120.1
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.0	103.5
b QC 10	2	<input checked="" type="checkbox"/>	1	1.0	96.7
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.2	87.9
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.6	92.3
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.7	97.0
b qc 100	5	<input checked="" type="checkbox"/>	10	8.9	88.9
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	24.5	97.9
b QC 250	6	<input checked="" type="checkbox"/>	25	21.9	87.5
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	49.8	99.7
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	101.5	101.5
b qc 1000	8	<input checked="" type="checkbox"/>	100	96.2	96.2

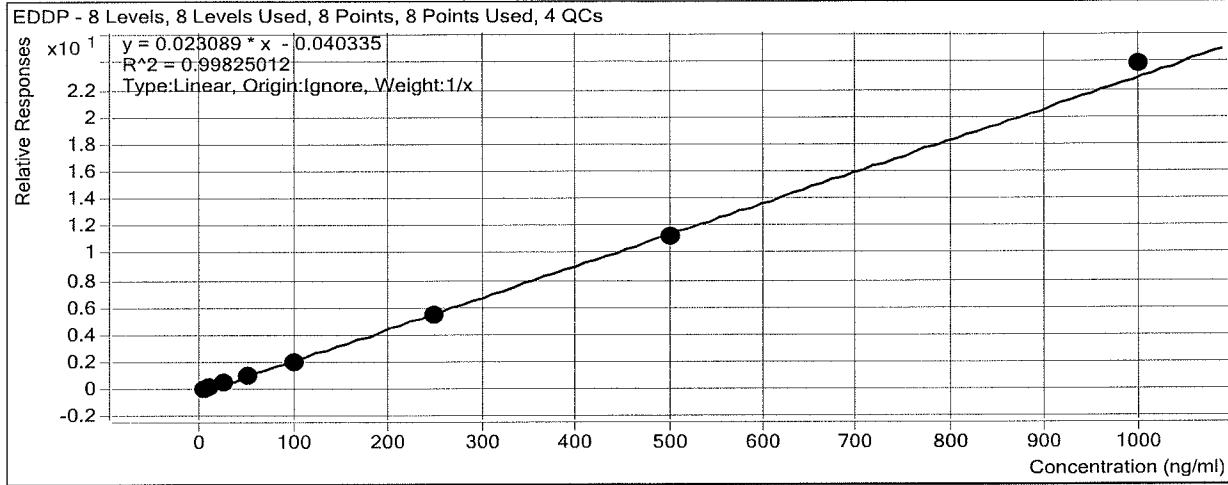
# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1b.batch.bin

**Last Calib Update** 1/4/2018 7:51 AM

**Analyst Name** ISP TOX

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



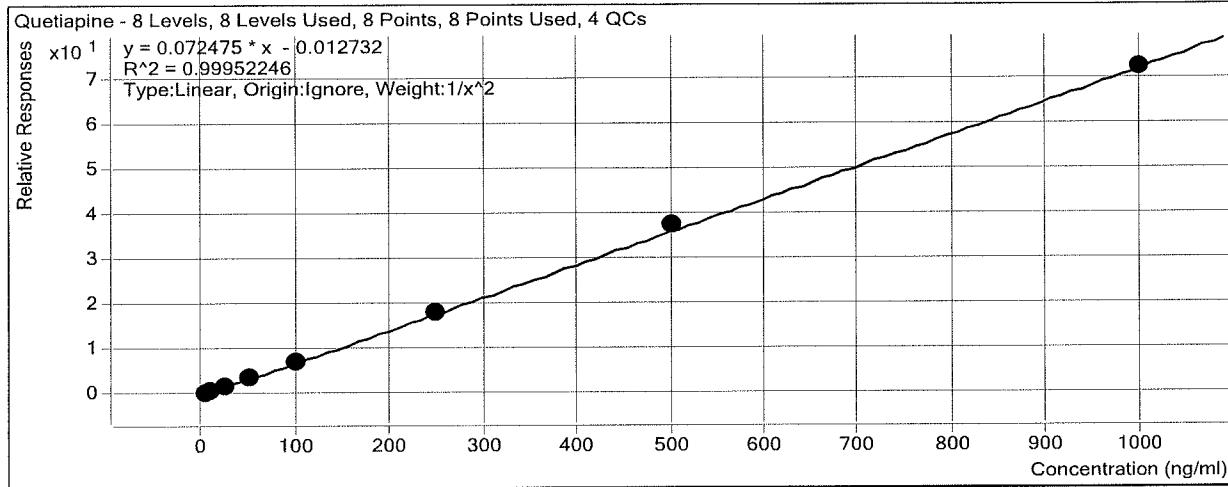
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.9	118.1
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.4	103.6
b QC 10	2	<input checked="" type="checkbox"/>	10	10.9	108.7
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.3	97.0
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.6	93.2
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	91.4	91.4
b qc 100	5	<input checked="" type="checkbox"/>	100	96.1	96.1
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	239.3	95.7
b QC 250	6	<input checked="" type="checkbox"/>	250	256.4	102.5
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	487.8	97.6
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1034.4	103.4
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1023.3	102.3

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1b.batch.bin

**Last Calib Update** 1/4/2018 7:51 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.2
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	100.8
b QC 10	2	<input checked="" type="checkbox"/>	10	10.3	103.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.4	97.7
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.6	97.3
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.3	101.3
b qc 100	5	<input checked="" type="checkbox"/>	100	98.5	98.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	249.2	99.7
b QC 250	6	<input checked="" type="checkbox"/>	250	250.2	100.1
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	515.9	103.2
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	997.5	99.8
b qc 1000	8	<input checked="" type="checkbox"/>	1000	937.9	93.8

# ISP Forensics Calibration Curve Report

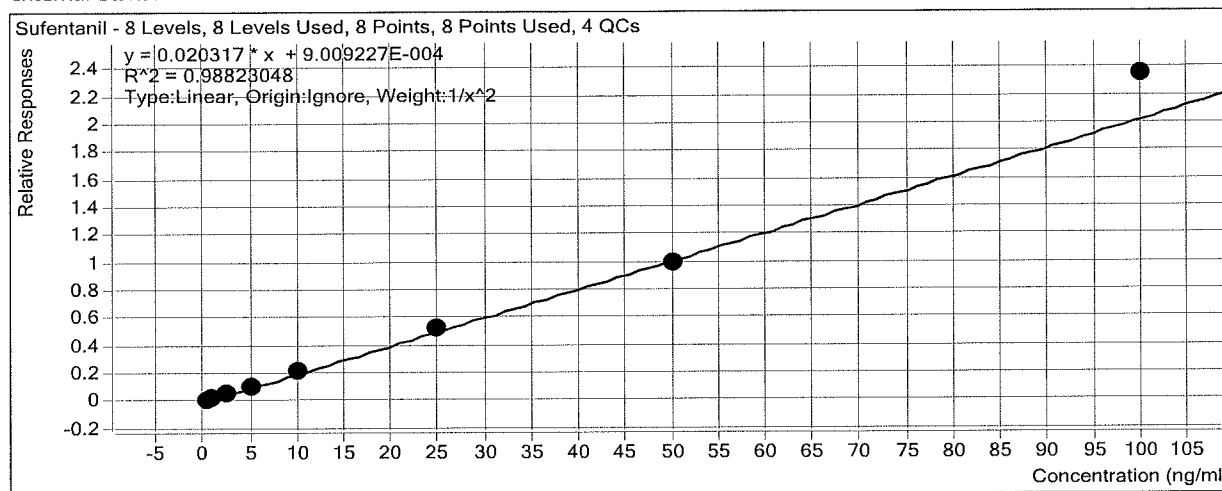
**Batch Data Path** D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1b.batch.bin

**Last Calib Update** 1/4/2018 7:51 AM

**Analyst Name** ISP TOX

**Target Compound** Sufentanil

**Internal Standard** Sufentanil-D5



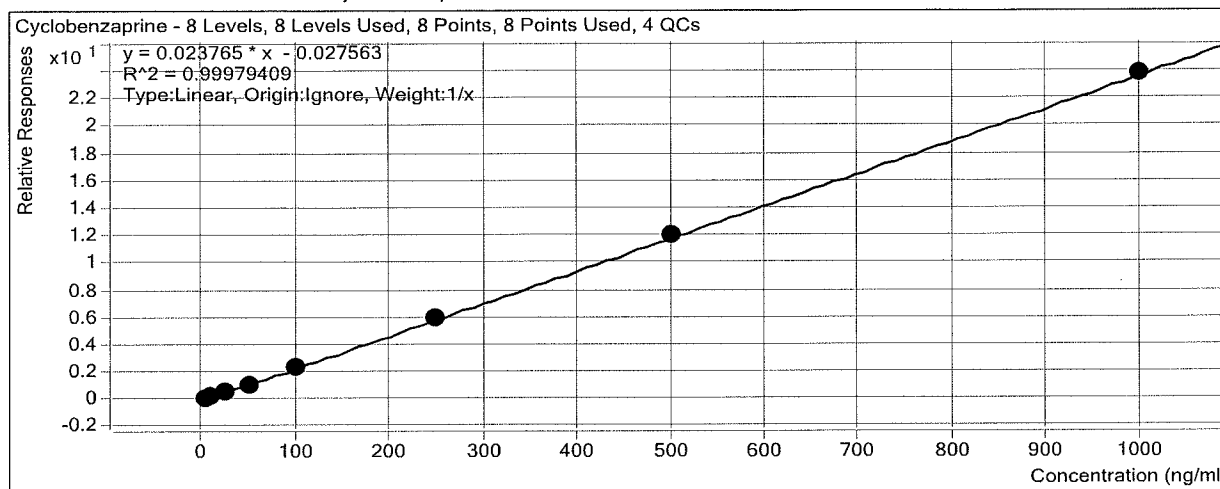
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	0.5	0.5	108.5
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	0.9	87.3
b QC 10	2	<input checked="" type="checkbox"/>	1	1.3	133.6
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.3	90.8
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.7	93.5
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	10.4	104.1
b qc 100	5	<input checked="" type="checkbox"/>	10	10.5	104.9
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	25.5	101.9
b QC 250	6	<input checked="" type="checkbox"/>	25	26.2	104.9
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	49.1	98.3
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	115.6	115.6
b qc 1000	8	<input checked="" type="checkbox"/>	100	105.6	105.6

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1b.batch.bin

**Last Calib Update** 1/4/2018 7:51 AM      **Analyst Name** ISP TOX

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



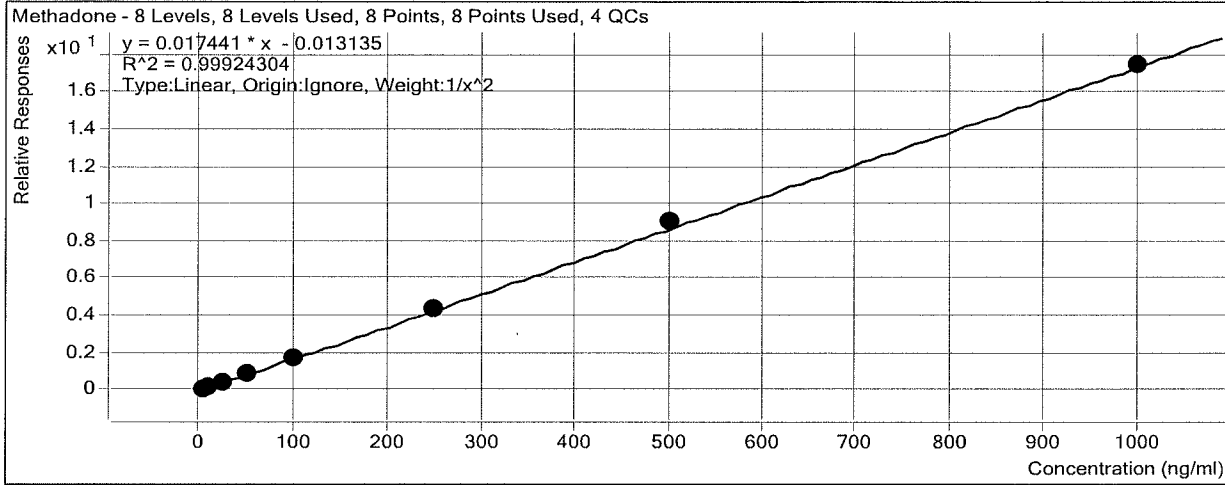
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.5	111.0
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	99.3
b QC 10	2	<input checked="" type="checkbox"/>	10	10.9	108.6
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.3	97.0
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.6	95.1
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	96.8	96.8
b qc 100	5	<input checked="" type="checkbox"/>	100	94.3	94.3
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	248.9	99.6
b QC 250	6	<input checked="" type="checkbox"/>	250	233.7	93.5
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	505.0	101.0
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1002.0	100.2
b qc 1000	8	<input checked="" type="checkbox"/>	1000	933.0	93.3

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1b.batch.bin

**Last Calib Update** 1/4/2018 7:51 AM **Analyst Name** ISP TOX

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

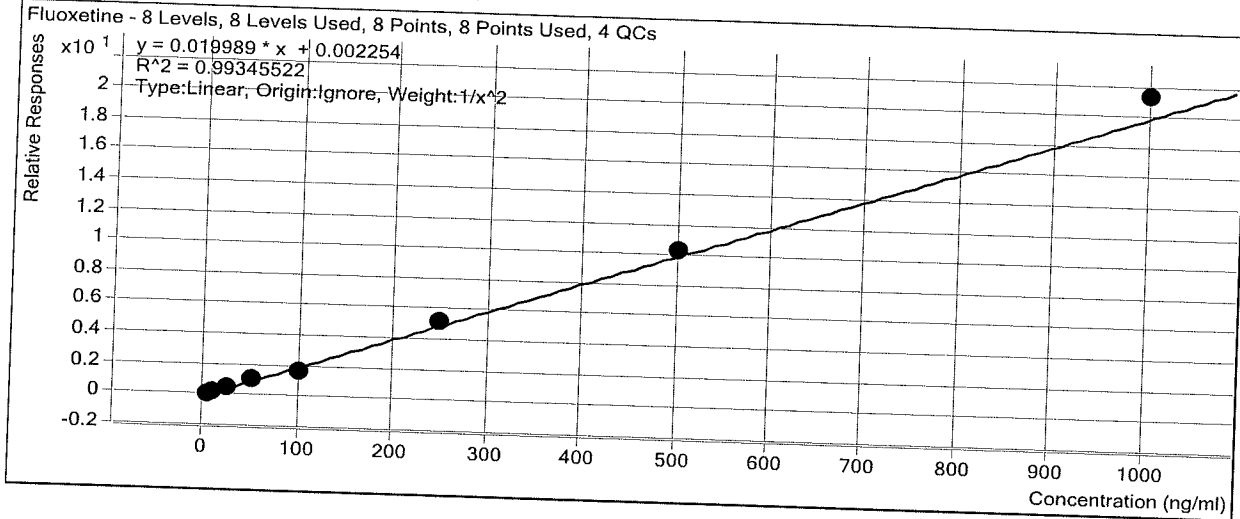


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.5
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	100.5
b QC 10	2	<input checked="" type="checkbox"/>	10	10.4	103.7
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.0	95.9
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.7	101.5
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.2	97.2
b qc 100	5	<input checked="" type="checkbox"/>	100	95.2	95.2
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	252.6	101.0
b QC 250	6	<input checked="" type="checkbox"/>	250	246.6	98.6
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	517.0	103.4
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1000.1	100.0
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1044.9	104.5

# ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1b.batch.bin  
 Last Calib Update 1/4/2018 7:51 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	101.9
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	96.0
b QC 10	2	<input checked="" type="checkbox"/>	10	10.8	107.9
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.5	102.2
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.8	103.6
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	84.1	84.1
b qc 100	5	<input checked="" type="checkbox"/>	100	102.8	102.8
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	257.1	102.8
b QC 250	6	<input checked="" type="checkbox"/>	250	248.1	99.2
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	514.2	102.8
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1065.1	106.5
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1032.3	103.2

# ISP Forensics Calibration Curve Report

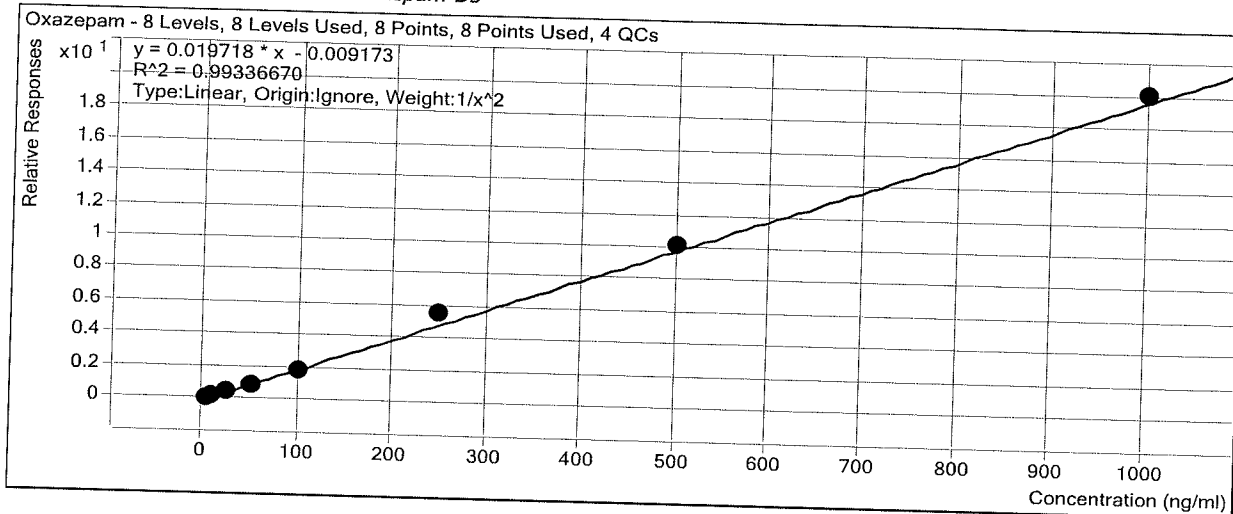
**Batch Data Path** D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1b.batch.bin

**Last Calib Update** 1/4/2018 7:51 AM

**Analyst Name** ISP TOX

**Target Compound** Oxazepam

**Internal Standard** Oxazepam-D5



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	101.1
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.3	102.6
b QC 10	2	<input checked="" type="checkbox"/>	10	9.9	99.4
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.8	91.2
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.7	93.4
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	93.9	93.9
b qc 100	5	<input checked="" type="checkbox"/>	100	108.8	108.8
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	282.9	113.2
b QC 250	6	<input checked="" type="checkbox"/>	250	222.1	88.8
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	514.2	102.8
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1018.1	101.8
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1144.3	114.4



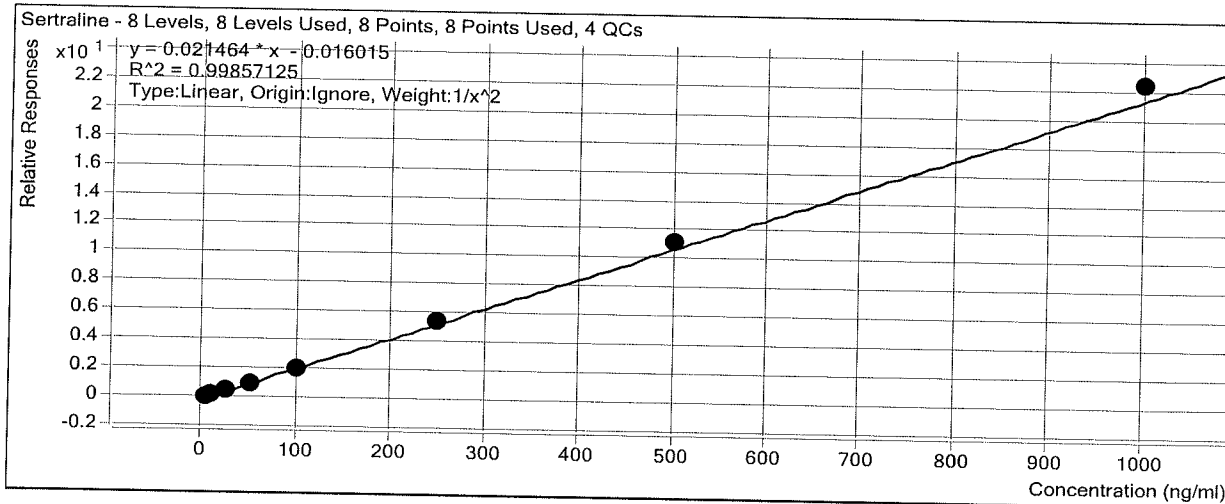
# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1b.batch.bin

**Last Calib Update** 1/4/2018 7:51 AM

**Analyst Name** ISP TOX

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



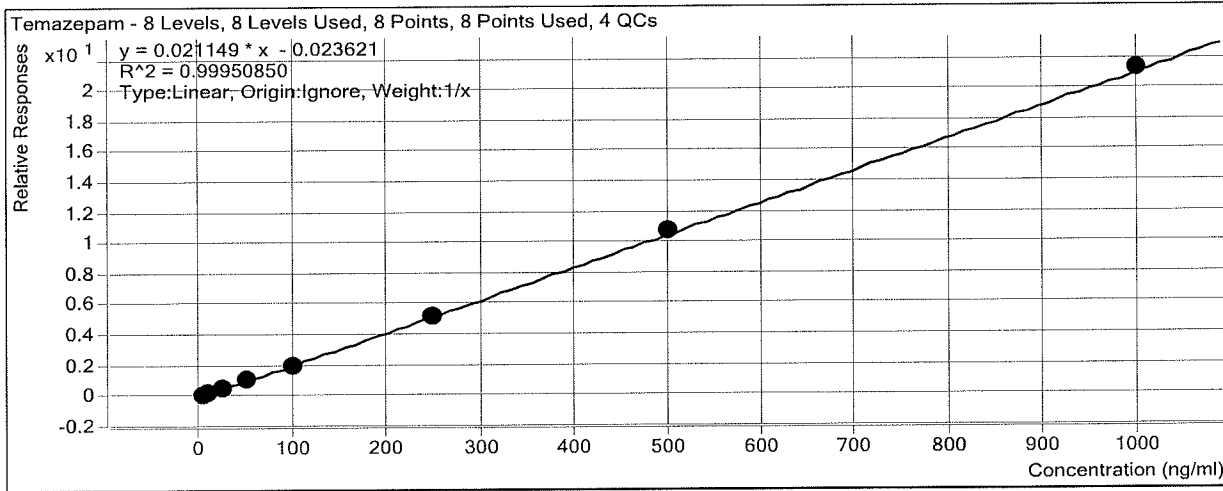
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	101.0
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	100.3
b QC 10	2	<input checked="" type="checkbox"/>	10	11.7	116.6
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.2	96.6
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.5	95.0
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.8	97.8
b qc 100	5	<input checked="" type="checkbox"/>	100	95.8	95.8
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	253.3	101.3
b QC 250	6	<input checked="" type="checkbox"/>	250	240.3	96.1
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	518.4	103.7
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1042.0	104.2
b qc 1000	8	<input checked="" type="checkbox"/>	1000	995.0	99.5

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1b.batch.bin

**Last Calib Update** 1/4/2018 7:51 AM **Analyst Name** ISP TOX

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



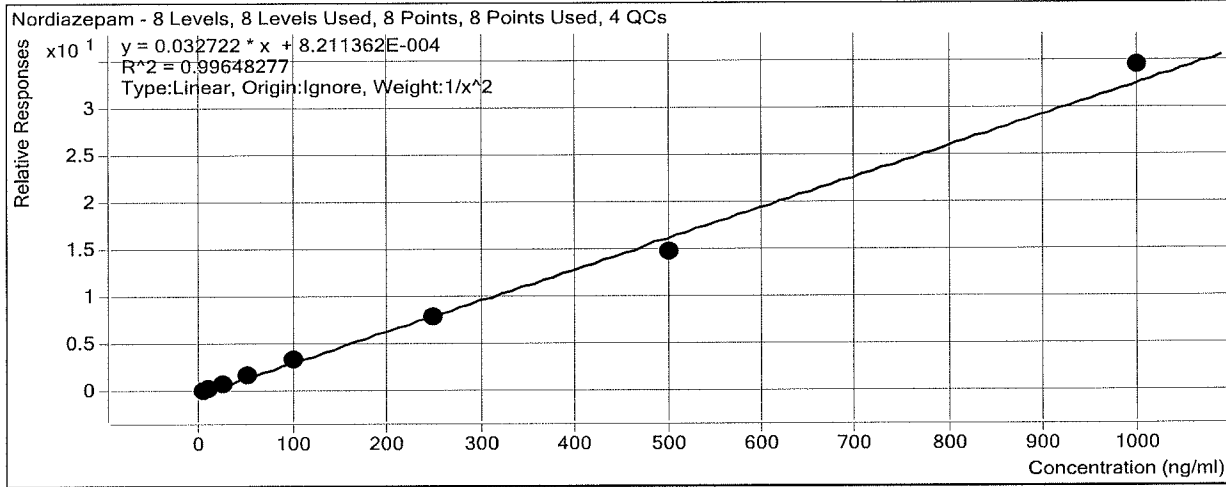
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.6	112.5
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.2	102.1
b QC 10	2	<input checked="" type="checkbox"/>	10	10.1	101.1
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.8	95.1
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.3	96.5
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	94.3	94.3
b qc 100	5	<input checked="" type="checkbox"/>	100	94.3	94.3
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	243.3	97.3
b QC 250	6	<input checked="" type="checkbox"/>	250	243.1	97.2
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	507.1	101.4
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1007.4	100.7
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1007.1	100.7

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1b.batch.bin

**Last Calib Update** 1/4/2018 7:51 AM **Analyst Name** ISP TOX

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



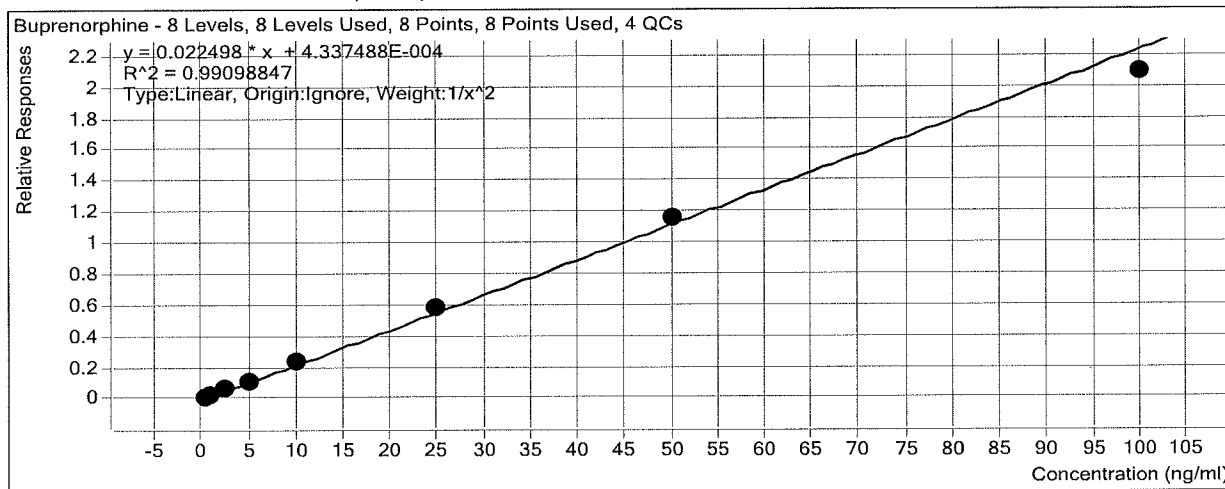
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.9	98.0
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.2	101.8
b QC 10	2	<input checked="" type="checkbox"/>	10	9.9	98.8
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.3	105.3
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.7	99.3
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	104.3	104.3
b qc 100	5	<input checked="" type="checkbox"/>	100	96.0	96.0
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	239.7	95.9
b QC 250	6	<input checked="" type="checkbox"/>	250	233.6	93.5
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	452.4	90.5
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1049.3	104.9
b qc 1000	8	<input checked="" type="checkbox"/>	1000	940.9	94.1

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1b.batch.bin

**Last Calib Update** 1/4/2018 7:51 AM **Analyst Name** ISP TOX

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



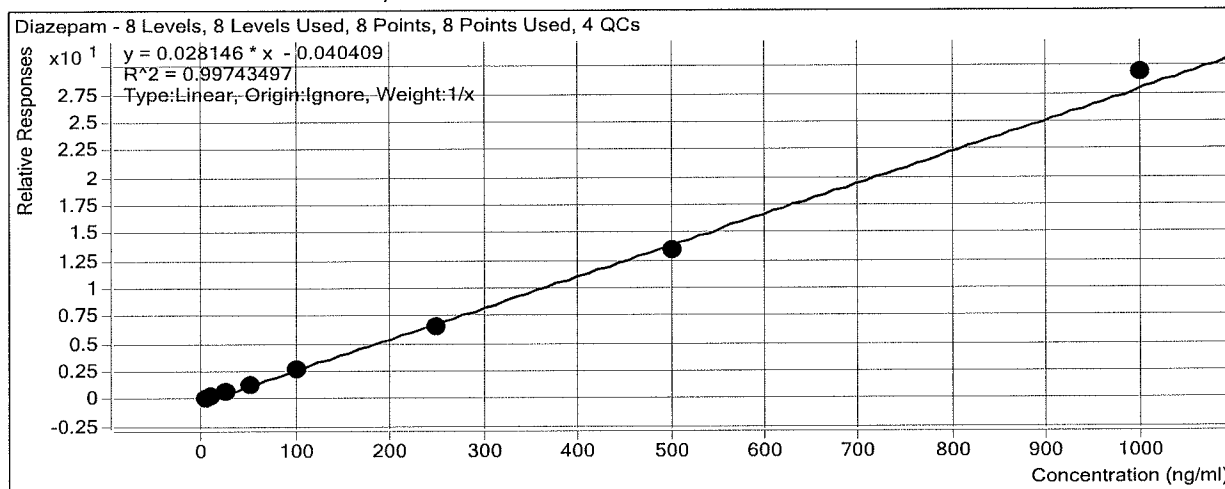
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	0.5	0.5	107.6
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	0.8	82.5
b QC 10	2	<input type="checkbox"/>	1	1.0	102.1
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.6	103.4
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	5.1	101.5
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	10.4	104.3
b qc 100	5	<input checked="" type="checkbox"/>	10	10.1	101.4
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	26.2	104.8
b QC 250	6	<input checked="" type="checkbox"/>	25	24.0	95.9
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	51.5	103.0
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	92.9	92.9
b qc 1000	8	<input checked="" type="checkbox"/>	100	95.7	95.7

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1b.batch.bin

**Last Calib Update** 1/4/2018 7:51 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	5.8	116.4
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.5	104.5
b QC 10	2	<input checked="" type="checkbox"/>	10	10.4	104.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.6	94.4
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.3	96.6
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	94.5	94.5
b qc 100	5	<input checked="" type="checkbox"/>	100	91.4	91.4
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	232.8	93.1
b QC 250	6	<input checked="" type="checkbox"/>	250	225.6	90.2
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	480.0	96.0
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1044.5	104.4
b qc 1000	8	<input checked="" type="checkbox"/>	1000	967.6	96.8

# ISP FORENSICS - Cd'A Instrument # 62340

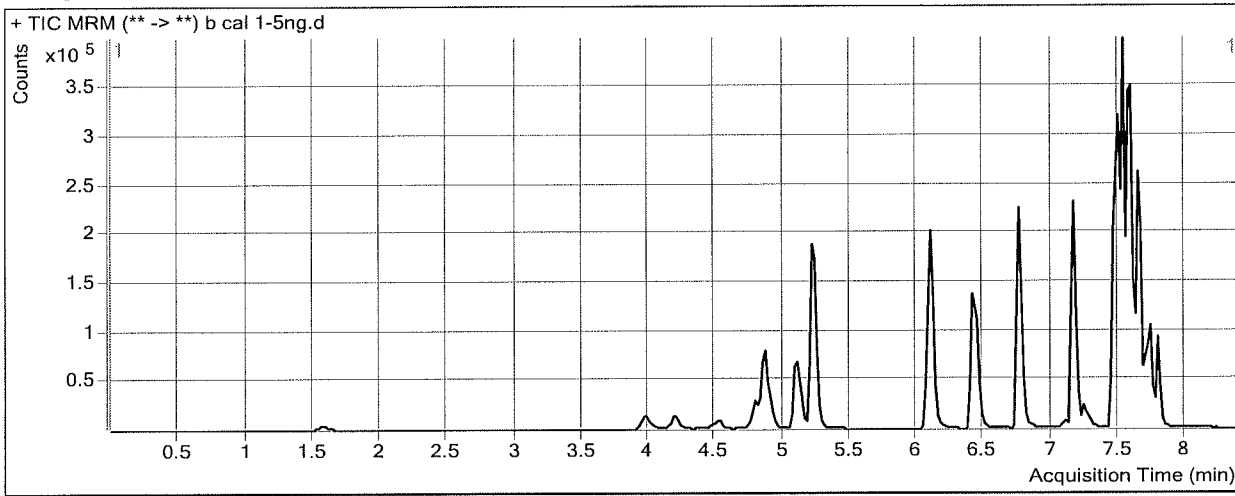
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1b.batch.bin  
**Analysis Time** 1/4/2018 7:51 AM **Analyst Name** ISP Tox  
**Report Time** 1/4/2018 7:53 AM **Reporter Name** ISP Tox  
**Last Calib Update** 1/4/2018 7:51 AM **Batch State** Processed

### Analysis Info

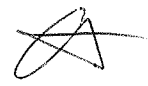
**Acq Time** 2018-01-03 13:21 **Data File** b cal 1-5ng.d  
**Sample Type** Calibration **Sample Name** b cal 1-5ng  
**Dilution** 1 **Acq Method** Quant Panel 1b 10-2017.m  
**Position** P1-A1 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28 Panel 1

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.608	3069	29138	0.1053	5.3394
Dihydrocodeine	Dihydrocodeine-D6	4.035	6442	69001	0.0934	4.3126
Naloxone	Naloxone-D5	4.266	4147	65717	0.0631	5.0111
Noroxycodone	Noroxycodone-D3	4.537	4142	37707	0.1099	5.4787
Naltrexone	Naltrexone-D3	4.810	10202	95153	0.1072	5.0763
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.924	2859	287455	0.0099	0.5035
Naltrexol	Naltrexol-D3	5.110	24895	199746	0.1246	4.4886
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.239	59558	600238	0.0992	5.1190
Ketamine	Ketamine-D4	6.075	24599	205964	0.1194	4.9972
Norfentanyl	Norfentanyl-D5	6.120	4108	455522	0.0090	1.0295
alpha-PVP	alpha-PVP-d8	6.427	44179	379989	0.1163	5.0302
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.780	6192	667846	0.0093	0.5430
Norbuprenorphine	Norbuprenorphine-D3	7.093	223	19536	0.0114	0.6261
Fentanyl	Fentanyl-D5	7.158	6868	640737	0.0107	0.6006
EDDP	EDDP-D3	7.249	4388	45714	0.0960	5.9041
Quetiapine	Quetiapine-D8	7.479	67311	192044	0.3505	5.0118
Sufentanil	Sufentanil-D5	7.478	4896	410517	0.0119	0.5427
Cyclobenzaprine	Cyclobenzaprine-D3	7.512	29400	281854	0.1043	5.5490
Methadone	Methadone-D9	7.522	47981	644046	0.0745	5.0246
Fluoxetine	Fluoxetine-D6	7.584	78510	754296	0.1041	5.0942
Oxazepam	Oxazepam-D5	7.609	13951	154124	0.0905	5.0559
Sertraline	Sertraline-D3	7.645	18183	196745	0.0924	5.0519
Temazepam	Temazepam-D5	7.667	39917	418485	0.0954	5.6269

*outside curve range*  
*outside curve range*  


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

b cal 1

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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>
Nordiazepam	Nordiazepam-D5	7.735	13892	86160	0.1612	4.9024
Buprenorphine	Buprenorphine-D4	7.776	1911	152363	0.0125	0.5381
Diazepam	Diazepam-D5	7.790	19334	156759	0.1233	5.8177



# ISP FORENSICS - Cd'A Instrument # 62340

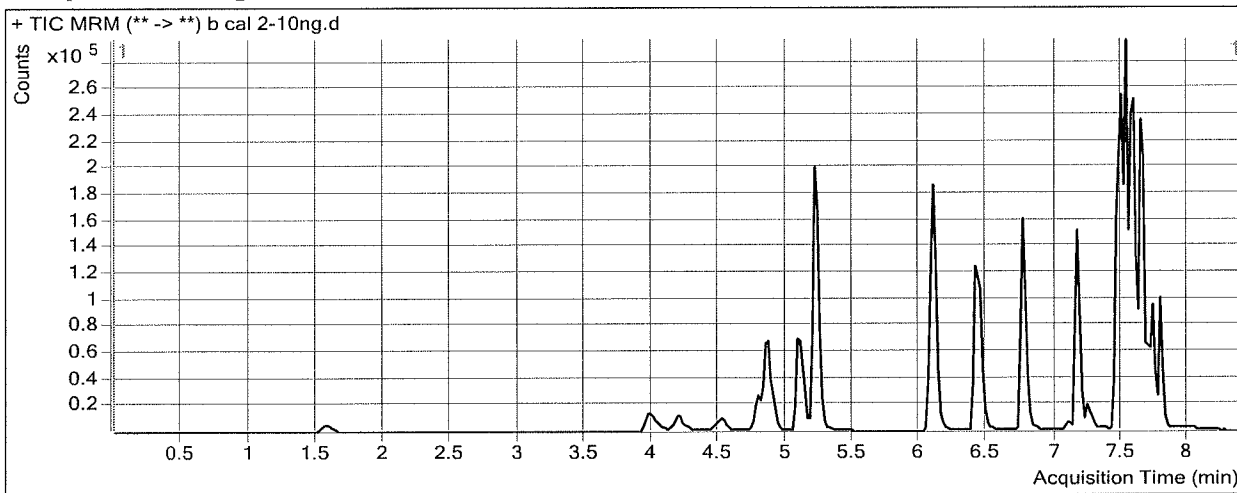
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1b.batch.bin  
**Analysis Time** 1/4/2018 7:51 AM **Analyst Name** ISP Tox  
**Report Time** 1/4/2018 7:53 AM **Reporter Name** ISP Tox  
**Last Calib Update** 1/4/2018 7:51 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-01-03 13:47 **Data File** b cal 2-10ng.d  
**Sample Type** Calibration **Sample Name** b cal 2-10ng  
**Dilution** 1 **Acq Method** Quant Panel 1b 10-2017.m  
**Position** P1-B1 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28 Panel 1

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.588	5840	26804	0.2179	10.1194
Dihydrocodeine	Dihydrocodeine-D6	4.035	12193	64476	0.1891	9.6321
Naloxone	Naloxone-D5	4.266	8136	59173	0.1375	10.2053
Noroxycodone	Noroxycodone-D3	4.537	7839	35935	0.2181	9.9442
Naltrexone	Naltrexone-D3	4.810	16664	80502	0.2070	9.7734
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.924	5571	256525	0.0217	1.0231
Naltrexol	Naltrexol-D3	5.110	44789	185282	0.2417	9.2500
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.239	113947	554820	0.2054	10.1808
Ketamine	Ketamine-D4	6.075	44704	184759	0.2420	9.9180
Norfentanyl	Norfentanyl-D5	6.120	7501	403155	0.0186	1.4615
alpha-PVP	alpha-PVP-d8	6.427	74588	313938	0.2376	9.9391
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.780	8936	464492	0.0192	1.0193
Norbuprenorphine	Norbuprenorphine-D3	7.093	403	15023	0.0268	1.3466
Fentanyl	Fentanyl-D5	7.158	8731	419563	0.0208	1.0353
EDDP	EDDP-D3	7.249	6639	33398	0.1988	10.3565
Quetiapine	Quetiapine-D8	7.479	107403	149629	0.7178	10.0797
Sufentanil	Sufentanil-D5	7.478	4828	259037	0.0186	0.8730
Cyclobenzaprine	Cyclobenzaprine-D3	7.512	37188	178341	0.2085	9.9342
Methadone	Methadone-D9	7.522	67668	417225	0.1622	10.0524
Fluoxetine	Fluoxetine-D6	7.584	92868	478380	0.1941	9.5989
Oxazepam	Oxazepam-D5	7.609	27329	141462	0.1932	10.2627
Sertraline	Sertraline-D3	7.645	22869	114738	0.1993	10.0321
Temazepam	Temazepam-D5	7.667	76147	395906	0.1923	10.2111



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

*b 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>
Nordiazepam	Nordiazepam-D5	7.735	25747	77103	0.3339	10.1799
Buprenorphine	Buprenorphine-D4	7.776	1857	97755	0.0190	0.8250
Diazepam	Diazepam-D5	7.790	35145	138497	0.2538	10.4514

*A*

# ISP FORENSICS - Cd'A Instrument # 62340

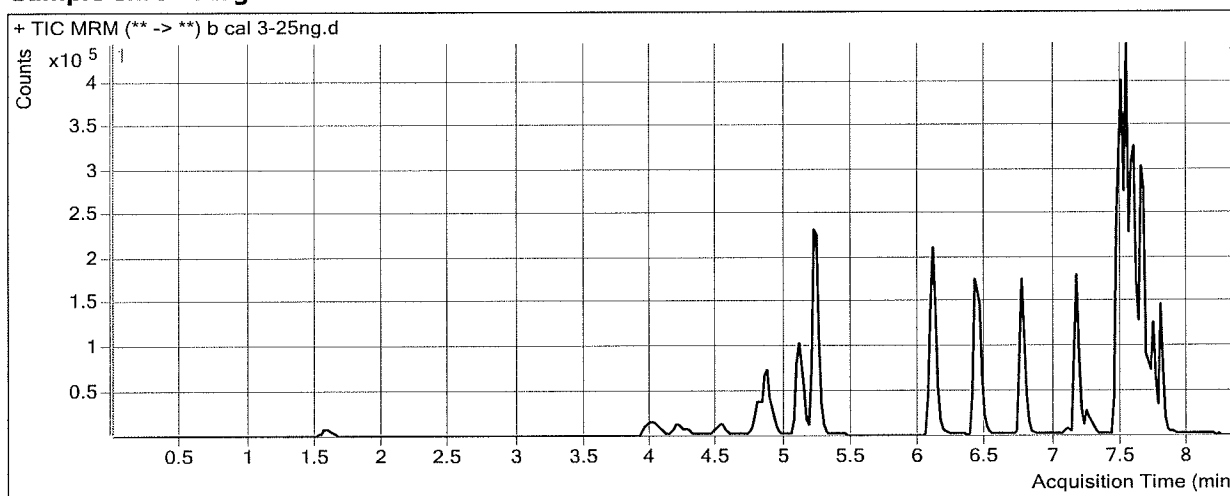
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1b.batch.bin  
**Analysis Time** 1/4/2018 7:51 AM **Analyst Name** ISP Tox  
**Report Time** 1/4/2018 7:53 AM **Reporter Name** ISP Tox  
**Last Calib Update** 1/4/2018 7:51 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-01-03 14:12 **Data File** b cal 3-25ng.d  
**Sample Type** Calibration **Sample Name** b cal 3-25ng  
**Dilution** 1 **Acq Method** Quant Panel 1b 10-2017.m  
**Position** P1-C1 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28 Panel 1

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.588	13963	25813	0.5409	23.8354
Dihydrocodeine	Dihydrocodeine-D6	4.035	29952	64324	0.4656	24.9941
Naloxone	Naloxone-D5	4.266	19809	58603	0.3380	24.2066
Noroxycodone	Noroxycodone-D3	4.537	19590	33874	0.5783	24.7957
Naltrexone	Naltrexone-D3	4.810	42093	81336	0.5175	24.3901
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.924	13324	257663	0.0517	2.3472
Naltrexol	Naltrexol-D3	5.110	116721	180413	0.6470	25.7276
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.239	282342	548525	0.5147	24.9320
Ketamine	Ketamine-D4	6.075	114293	181505	0.6297	25.4901
Norfentanyl	Norfentanyl-D5	6.120	18646	400628	0.0465	2.7201
alpha-PVP	alpha-PVP-d8	6.427	190929	318230	0.6000	24.6013
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.780	23748	490339	0.0484	2.4147
Norbuprenorphine	Norbuprenorphine-D3	7.093	855	15987	0.0535	2.5894
Fentanyl	Fentanyl-D5	7.158	22105	462558	0.0478	2.1977
EDDP	EDDP-D3	7.249	18919	36410	0.5196	24.2511
Quetiapine	Quetiapine-D8	7.479	278043	158161	1.7580	24.4320
Sufentanil	Sufentanil-D5	7.478	13119	278917	0.0470	2.2708
Cyclobenzaprine	Cyclobenzaprine-D3	7.512	103695	188933	0.5488	24.2544
Methadone	Methadone-D9	7.522	183137	452057	0.4051	23.9813
Fluoxetine	Fluoxetine-D6	7.584	252518	492450	0.5128	25.5400
Oxazepam	Oxazepam-D5	7.609	57056	129595	0.4403	22.7929
Sertraline	Sertraline-D3	7.645	64524	128389	0.5026	24.1607
Temazepam	Temazepam-D5	7.667	184410	385020	0.4790	23.7635

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

b cal 3

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<b>Compound</b>	<b>ISTD Compound</b>	<b>RT</b>	<b>Response</b>	<b>ISTD Resp</b>	<b>Resp Ratio</b>	<b>Final Conc</b>
Nordiazepam	Nordiazepam-D5	7.735	67144	77872	0.8622	26.3252
Buprenorphine	Buprenorphine-D4	7.776	6193	105717	0.0586	2.5844
Diazepam	Diazepam-D5	7.790	89414	143346	0.6238	23.5973



# ISP FORENSICS - Cd'A Instrument # 62340

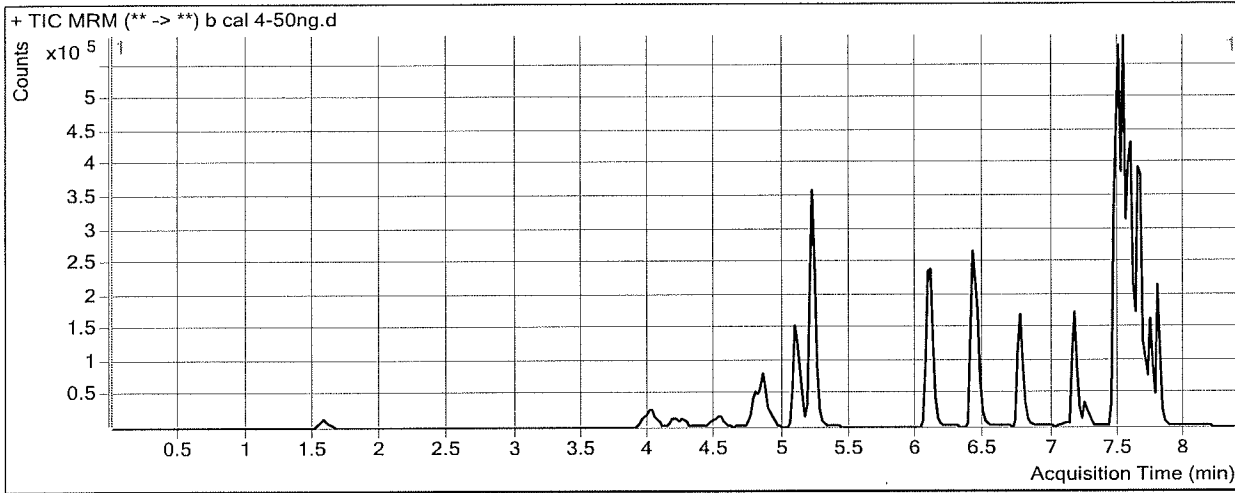
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1b.batch.bin		
<b>Analysis Time</b>	1/4/2018 7:51 AM	<b>Analyst Name</b>	ISP Tox
<b>Report Time</b>	1/4/2018 7:53 AM	<b>Reporter Name</b>	ISP Tox
<b>Last Calib Update</b>	1/4/2018 7:51 AM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2018-01-03 14:38	<b>Data File</b>	b cal 4-50ng.d
<b>Sample Type</b>	Calibration	<b>Sample Name</b>	b cal 4-50ng
<b>Dilution</b>	1	<b>Acq Method</b>	Quant Panel 1b 10-2017.m
<b>Position</b>	P1-D1	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	AM 28 Panel 1

### Sample Chromatogram



### Results

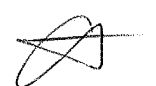
Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.588	28779	25808	1.1151	48.2179
Dihydrocodeine	Dihydrocodeine-D6	4.035	60588	64065	0.9457	51.6638
Naloxone	Naloxone-D5	4.246	38225	57521	0.6645	47.0063
Noroxycodone	Noroxycodone-D3	4.537	38813	33726	1.1508	48.4027
Naltrexone	Naltrexone-D3	4.790	81307	77648	1.0471	49.3192
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.924	27303	257684	0.1060	4.7421
Naltrexol	Naltrexol-D3	5.089	237305	181410	1.3081	52.6108
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.219	576278	560505	1.0281	49.4136
Ketamine	Ketamine-D4	6.075	227220	183215	1.2402	50.0082
Norfentanyl	Norfentanyl-D5	6.120	38257	399257	0.0958	4.9402
alpha-PVP	alpha-PVP-d8	6.427	379473	310131	1.2236	49.8329
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.760	44991	460923	0.0976	4.7652
Norbuprenorphine	Norbuprenorphine-D3	7.073	1362	13822	0.0986	4.6959
Fentanyl	Fentanyl-D5	7.158	44281	426139	0.1039	4.6157
EDDP	EDDP-D3	7.249	37880	36563	1.0360	46.6181
Quetiapine	Quetiapine-D8	7.479	525340	149537	3.5131	48.6491
Sufentanil	Sufentanil-D5	7.478	24758	258268	0.0959	4.6739
Cyclobenzaprine	Cyclobenzaprine-D3	7.512	195806	177601	1.1025	47.5512
Metadone	Metadone-D9	7.522	350983	402602	0.8718	50.7386
Fluoxetine	Fluoxetine-D6	7.584	494687	476564	1.0380	51.8166
Oxazepam	Oxazepam-D5	7.609	97398	106839	0.9116	46.6982
Sertraline	Sertraline-D3	7.645	119119	118738	1.0032	47.4853
Temazepam	Temazepam-D5	7.667	361999	362974	0.9973	48.2724

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

b cal 4

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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>
Nordiazepam	Nordiazepam-D5	7.735	123321	75863	1.6256	49.6536
Buprenorphine	Buprenorphine-D4	7.776	11563	100907	0.1146	5.0741
Diazepam	Diazepam-D5	7.790	181330	137404	1.3197	48.3226



# ISP FORENSICS - Cd'A Instrument # 62340

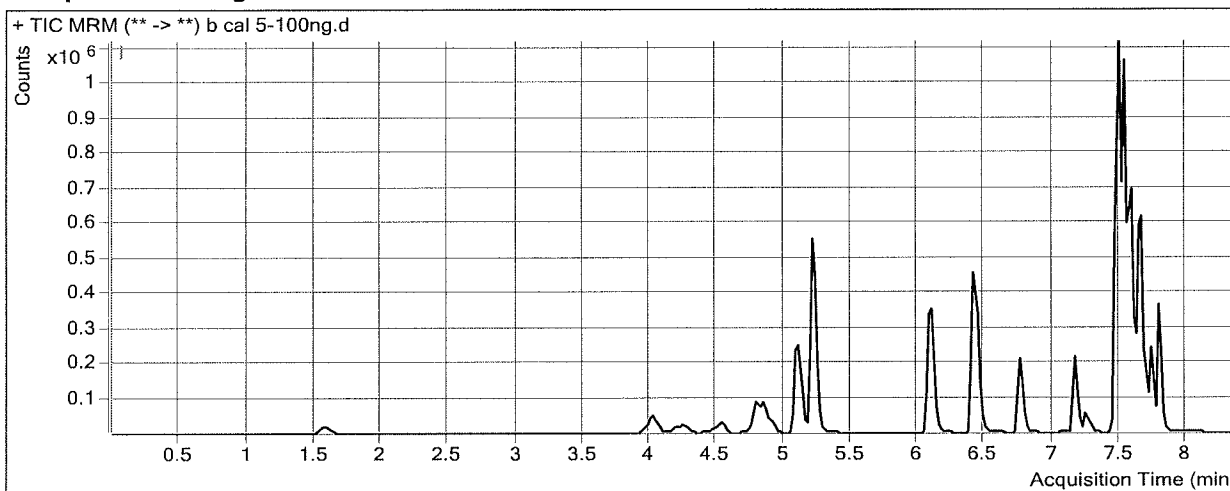
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1b.batch.bin  
**Analysis Time** 1/4/2018 7:51 AM **Analyst Name** ISP Tox  
**Report Time** 1/4/2018 7:53 AM **Reporter Name** ISP Tox  
**Last Calib Update** 1/4/2018 7:51 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-01-03 15:03 **Data File** b cal 5-100ng.d  
**Sample Type** Calibration **Sample Name** b cal 5-100ng  
**Dilution** 1 **Acq Method** Quant Panel 1b 10-2017.m  
**Position** P1-E1 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28 Panel 1

### Sample Chromatogram



### Results

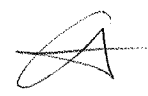
Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.588	61445	27572	2.2286	95.4965
Dihydrocodeine	Dihydrocodeine-D6	4.035	129906	66511	1.9532	107.6292
Naloxone	Naloxone-D5	4.246	85735	61547	1.3930	97.8728
Noroxycodone	Noroxycodone-D3	4.537	82140	35242	2.3307	97.0565
Naltrexone	Naltrexone-D3	4.790	170044	76807	2.2139	104.2415
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.924	56842	262591	0.2165	9.6210
Naltrexol	Naltrexol-D3	5.110	502266	190992	2.6298	106.3516
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.219	1209552	590486	2.0484	98.0639
Ketamine	Ketamine-D4	6.075	495642	195489	2.5354	102.0258
Norfentanyl	Norfentanyl-D5	6.120	83123	413205	0.2012	9.6865
alpha-PVP	alpha-PVP-d8	6.427	816892	329630	2.4782	100.5951
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.780	100617	497452	0.2023	9.7673
Norbuprenorphine	Norbuprenorphine-D3	7.093	3453	14576	0.2369	11.1572
Fentanyl	Fentanyl-D5	7.158	99642	448770	0.2220	9.7048
EDDP	EDDP-D3	7.249	80196	38746	2.0698	91.3910
Quetiapine	Quetiapine-D8	7.479	1174001	160164	7.3300	101.3144
Sufentanil	Sufentanil-D5	7.478	60754	286024	0.2124	10.4103
Cyclobenzaprine	Cyclobenzaprine-D3	7.512	446552	196472	2.2729	96.7976
Methadone	Methadone-D9	7.522	761958	453184	1.6813	97.1561
Fluoxetine	Fluoxetine-D6	7.584	875903	520059	1.6842	84.1444
Oxazepam	Oxazepam-D5	7.609	148206	80467	1.8418	93.8732
Sertraline	Sertraline-D3	7.645	268676	128955	2.0835	97.8151
Temazepam	Temazepam-D5	7.667	698555	354570	1.9701	94.2706

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

b cal 5

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<b>Compound</b>	<b>ISTD Compound</b>	<b>RT</b>	<b>Response</b>	<b>ISTD Resp</b>	<b>Resp Ratio</b>	<b>Final Conc</b>
Nordiazepam	Nordiazepam-D5	7.735	239176	70077	3.4131	104.2797
Buprenorphine	Buprenorphine-D4	7.776	26096	111006	0.2351	10.4297
Diazepam	Diazepam-D5	7.790	391698	149478	2.6204	94.5370



# ISP FORENSICS - Cd'A Instrument # 62340

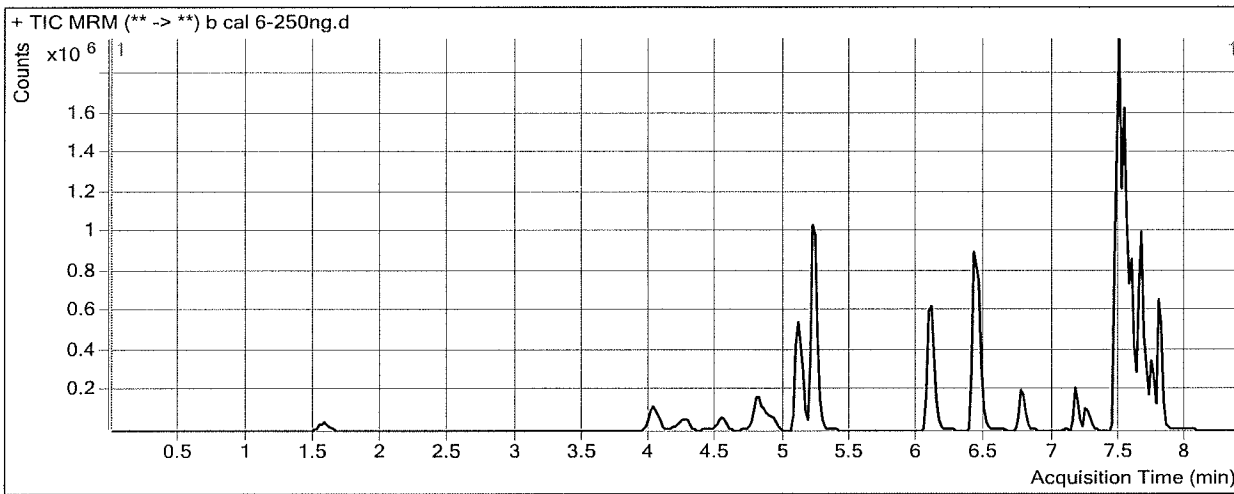
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1b.batch.bin  
**Analysis Time** 1/4/2018 7:51 AM **Analyst Name** ISP Tox  
**Report Time** 1/4/2018 7:53 AM **Reporter Name** ISP Tox  
**Last Calib Update** 1/4/2018 7:51 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-01-03 15:28 **Data File** b cal 6-250ng.d  
**Sample Type** Calibration **Sample Name** b cal 6-250ng  
**Dilution** 1 **Acq Method** Quant Panel 1b 10-2017.m  
**Position** P1-F1 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28 Panel 1

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.588	165208	27579	5.9903	255.2254
Dihydrocodeine	Dihydrocodeine-D6	4.035	323594	67481	4.7953	265.5172
Naloxone	Naloxone-D5	4.246	219501	60697	3.6163	253.1202
Noroxycodone	Noroxycodone-D3	4.537	203222	34069	5.9650	246.9146
Naltrexone	Naltrexone-D3	4.810	389462	72134	5.3991	254.1749
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.924	147700	261099	0.5657	25.0385
Naltrexol	Naltrexol-D3	5.110	1205968	187251	6.4404	261.2968
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.239	2985048	578243	5.1623	246.5462
Ketamine	Ketamine-D4	6.075	1198103	193910	6.1786	248.3440
Norfentanyl	Norfentanyl-D5	6.120	199902	392083	0.5098	23.5937
alpha-PVP	alpha-PVP-d8	6.427	1935922	311612	6.2126	251.6897
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.780	193466	373012	0.5187	24.8896
Norbuprenorphine	Norbuprenorphine-D3	7.093	5832	11984	0.4866	22.8219
Fentanyl	Fentanyl-D5	7.158	172963	306337	0.5646	24.4646
EDDP	EDDP-D3	7.249	204489	37281	5.4850	239.3088
Quetiapine	Quetiapine-D8	7.479	2504673	138771	18.0490	249.2142
Sufentanil	Sufentanil-D5	7.478	95469	184160	0.5184	25.4714
Cyclobenzaprine	Cyclobenzaprine-D3	7.512	690492	117281	5.8875	248.8962
Methadone	Methadone-D9	7.522	1468984	334480	4.3918	252.5673
Fluoxetine	Fluoxetine-D6	7.584	1493424	290458	5.1416	257.1061
Oxazepam	Oxazepam-D5	7.609	205555	36905	5.5699	282.9391
Sertraline	Sertraline-D3	7.645	362478	66855	5.4218	253.3476
Temazepam	Temazepam-D5	7.667	1402660	273879	5.1215	243.2730



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

b cal b

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<b>Compound</b>	<b>ISTD Compound</b>	<b>RT</b>	<b>Response</b>	<b>ISTD Resp</b>	<b>Resp Ratio</b>	<b>Final Conc</b>
Nordiazepam	Nordiazepam-D5	7.735	444347	56655	7.8430	239.6609
Buprenorphine	Buprenorphine-D4	7.776	47335	80208	0.5902	26.2117
Diazepam	Diazepam-D5	7.790	874385	134290	6.5111	232.7697



# ISP FORENSICS - Cd'A Instrument # 62340

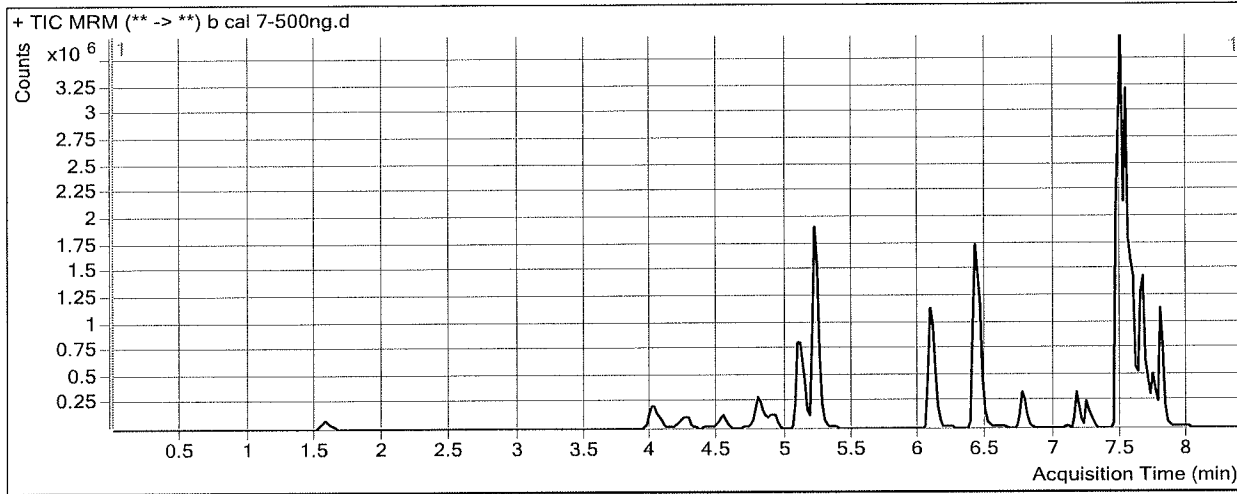
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1b.batch.bin  
**Analysis Time** 1/4/2018 7:51 AM **Analyst Name** ISP Tox  
**Report Time** 1/4/2018 7:53 AM **Reporter Name** ISP Tox  
**Last Calib Update** 1/4/2018 7:51 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-01-03 15:54 **Data File** b cal 7-500ng.d  
**Sample Type** Calibration **Sample Name** b cal 7-500ng  
**Dilution** 1 **Acq Method** Quant Panel 1b 10-2017.m  
**Position** P1-G1 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28 Panel 1

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.588	321789	26080	12.3385	524.7821
Dihydrocodeine	Dihydrocodeine-D6	4.035	622765	65587	9.4952	526.6073
Naloxone	Naloxone-D5	4.247	437068	57844	7.5560	528.2130
Noroxycodone	Noroxycodone-D3	4.537	389231	33204	11.7225	484.3220
Naltrexone	Naltrexone-D3	4.790	664176	63590	10.4447	491.6810
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.924	297160	246082	1.2076	53.3765
Naltrexol	Naltrexol-D3	5.110	2124785	170222	12.4824	506.9758
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.219	5722639	546183	10.4775	499.9993
Ketamine	Ketamine-D4	6.075	2303829	186561	12.3489	496.1504
Norfentanyl	Norfentanyl-D5	6.120	387451	356464	1.0869	49.5934
alpha-PVP	alpha-PVP-d8	6.427	3879903	310686	12.4882	505.6011
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.760	418132	402527	1.0388	49.7486
Norbuprenorphine	Norbuprenorphine-D3	7.093	10582	10229	1.0345	48.4116
Fentanyl	Fentanyl-D5	7.158	366474	317721	1.1534	49.8335
EDDP	EDDP-D3	7.249	454694	40516	11.2227	487.8135
Quetiapine	Quetiapine-D8	7.479	4835170	129354	37.3793	515.9317
Sufentanil	Sufentanil-D5	7.478	195055	195254	0.9990	49.1253
Cyclobenzaprine	Cyclobenzaprine-D3	7.512	1418135	118433	11.9742	505.0128
Methadone	Methadone-D9	7.522	2942834	326873	9.0030	516.9561
Fluoxetine	Fluoxetine-D6	7.584	2993184	291151	10.2805	514.1901
Oxazepam	Oxazepam-D5	7.609	255107	25186	10.1290	514.1529
Sertraline	Sertraline-D3	7.645	711980	64085	11.1099	518.3543
Temazepam	Temazepam-D5	7.667	2207340	206255	10.7020	507.1362

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

b cal 7

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<b>Compound</b>	<b>ISTD Compound</b>	<b>RT</b>	<b>Response</b>	<b>ISTD Resp</b>	<b>Resp Ratio</b>	<b>Final Conc</b>
Nordiazepam	Nordiazepam-D5	7.735	656757	44367	14.8029	452.3578
Buprenorphine	Buprenorphine-D4	7.776	98535	85018	1.1590	51.4944
Diazepam	Diazepam-D5	7.790	1509742	112080	13.4703	480.0196



# ISP FORENSICS - Cd'A Instrument # 62340

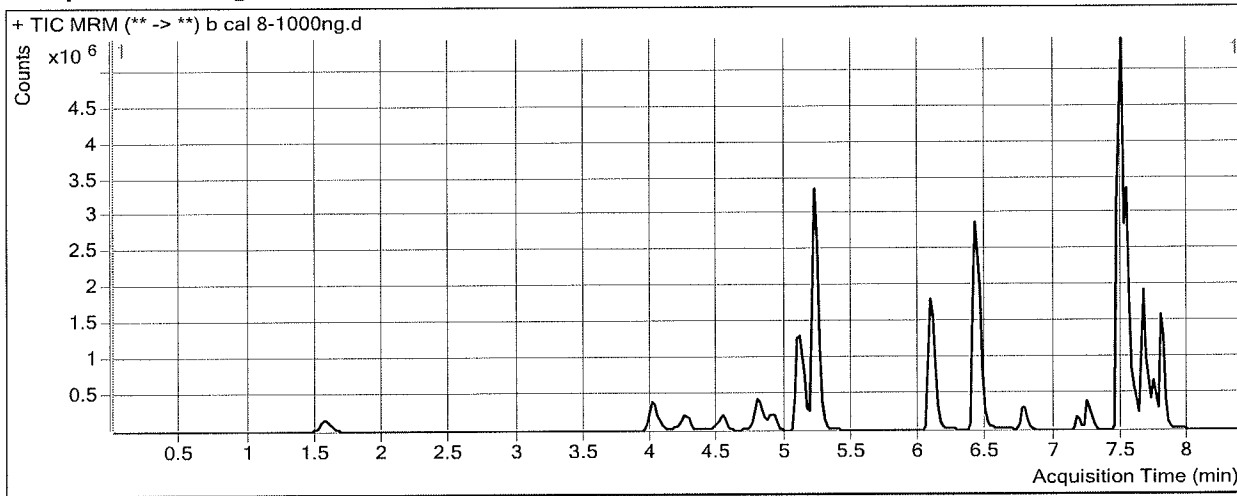
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	D:\2017 Data\01032018 mdq\QuantResults\01032018 mdq p1b.batch.bin		
<b>Analysis Time</b>	1/4/2018 7:51 AM	<b>Analyst Name</b>	ISP Tox
<b>Report Time</b>	1/4/2018 7:53 AM	<b>Reporter Name</b>	ISP Tox
<b>Last Calib Update</b>	1/4/2018 7:51 AM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2018-01-03 16:19	<b>Data File</b>	b cal 8-1000ng.d
<b>Sample Type</b>	Calibration	<b>Sample Name</b>	b cal 8-1000ng
<b>Dilution</b>	1	<b>Acq Method</b>	Quant Panel 1b 10-2017.m
<b>Position</b>	P1-H1	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	AM 28 Panel 1

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.588	651956	28361	22.9881	976.9840
Dihydrocodeine	Dihydrocodeine-D6	4.015	1116324	65243	17.1103	949.6437
Naloxone	Naloxone-D5	4.246	813029	55623	14.6167	1021.2338
Noroxycodone	Noroxycodone-D3	4.537	689430	27813	24.7882	1023.0855
Naltrexone	Naltrexone-D3	4.790	1094794	51385	21.3057	1002.9280
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.924	580918	234579	2.4764	109.3948
Naltrexol	Naltrexol-D3	5.110	3624038	151312	23.9508	973.2988
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.219	10686844	506877	21.0837	1005.7451
Ketamine	Ketamine-D4	6.075	4231729	172918	24.4725	983.0519
Norfentanyl	Norfentanyl-D5	6.120	683891	304036	2.2494	101.9661
alpha-PVP	alpha-PVP-d8	6.427	6760805	274891	24.5945	995.4237
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.780	508483	241218	2.1080	100.8524
Norbuprenorphine	Norbuprenorphine-D3	7.093	10722	4875	2.1994	102.8240
Fentanyl	Fentanyl-D5	7.158	262286	111433	2.3538	101.5476
EDDP	EDDP-D3	7.249	803728	33711	23.8417	1034.3569
Quetiapine	Quetiapine-D8	7.479	8876399	122799	72.2840	997.5437
Sufentanil	Sufentanil-D5	7.478	126080	53653	2.3499	115.6188
Cyclobenzaprine	Cyclobenzaprine-D3	7.512	689281	28979	23.7853	1002.0047
Metadone	Metadone-D9	7.522	3055813	175331	17.4288	1000.0644
Fluoxetine	Fluoxetine-D6	7.584	905142	42510	21.2923	1065.0750
Oxazepam	Oxazepam-D5	7.609	412716	20569	20.0654	1018.0783
Sertraline	Sertraline-D3	7.645	179195	8018	22.3499	1042.0215
Temazepam	Temazepam-D5	7.667	3560739	167302	21.2833	1007.4463

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

*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>
Nordiazepam	Nordiazepam-D5	7.735	951473	27711	34.3355	1049.2824
Buprenorphine	Buprenorphine-D4	7.776	74638	35707	2.0903	92.8898
Diazepam	Diazepam-D5	7.790	2517705	85759	29.3578	1044.4847

