

**Worklist: 1527**

central data reviewed on 2/21/17

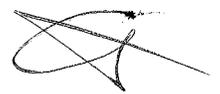
*BWylee* 2/17/2017

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>	
C2016-1754	1	76221	AM 28 Blood Multi-Drug Quant	
M2016-3637	2	73346	AM 28 Blood Multi-Drug Quant	
M2016-3887	1	76175	AM 28 Blood Multi-Drug Quant	
M2016-4082	2	76176	AM 28 Blood Multi-Drug Quant	
M2016-4195	1	76177	AM 28 Blood Multi-Drug Quant	
M2016-4222	1	76178	AM 28 Blood Multi-Drug Quant	
M2016-4425	1	76179	AM 28 Blood Multi-Drug Quant	
M2016-4546	1	76180	AM 28 Blood Multi-Drug Quant	
M2016-4611	1	76181	AM 28 Blood Multi-Drug Quant	
M2016-4711	3	76188	AM 28 Blood Multi-Drug Quant	
M2016-4783	1	76187	AM 28 Blood Multi-Drug Quant	
M2016-4858	4	76186	AM 28 Blood Multi-Drug Quant	
M2016-4881	3	76185	AM 28 Blood Multi-Drug Quant	
M2016-4958	1	76184	AM 28 Blood Multi-Drug Quant	
M2016-4961	3	76183	AM 28 Blood Multi-Drug Quant	
M2016-5244	2	76182	AM 28 Blood Multi-Drug Quant	
M2016-5333	1	76202	AM 28 Blood Multi-Drug Quant	
M2016-5341	1	76203	AM 28 Blood Multi-Drug Quant	
M2016-5346	1	76204	AM 28 Blood Multi-Drug Quant	
M2017-0016	1	76205	AM 28 Blood Multi-Drug Quant	
M2017-0066	1	76206	AM 28 Blood Multi-Drug Quant	
P2016-1831	1	76222	AM 28 Blood Multi-Drug Quant	
P2016-2159	1	75602	AM 28 Blood Multi-Drug Quant	



**Worklist: 1527**

<u>LAB_CASE</u>	<u>ITEM</u>	<u>TASK_ID</u>	<u>DESCRIPTION</u>	
P2016-2357	1	76207	AM 28 Blood Multi-Drug Quant	
P2016-2416	1	76213	AM 28 Blood Multi-Drug Quant	
P2016-2424	1	76212	AM 28 Blood Multi-Drug Quant	
P2016-2456	1	76211	AM 28 Blood Multi-Drug Quant	
P2016-2487	1	76210	AM 28 Blood Multi-Drug Quant	
P2016-2588	1	76209	AM 28 Blood Multi-Drug Quant	
P2016-2589	1	76208	AM 28 Blood Multi-Drug Quant	
P2016-2593	1	76189	AM 28 Blood Multi-Drug Quant	
P2016-2597	1	76190	AM 28 Blood Multi-Drug Quant	
P2016-2628	1	76191	AM 28 Blood Multi-Drug Quant	
P2016-2653	1	76192	AM 28 Blood Multi-Drug Quant	
P2016-2663	1	76193	AM 28 Blood Multi-Drug Quant	
P2016-2763	1	76194	AM 28 Blood Multi-Drug Quant	
P2016-2790	1	76201	AM 28 Blood Multi-Drug Quant	
P2016-2804	1	76200	AM 28 Blood Multi-Drug Quant	
P2016-2855	1	76199	AM 28 Blood Multi-Drug Quant	
P2016-2866	1	76198	AM 28 Blood Multi-Drug Quant	
P2016-2886	1	76197	AM 28 Blood Multi-Drug Quant	
P2017-0025	1	76196	AM 28 Blood Multi-Drug Quant	
P2017-0026	1	76195	AM 28 Blood Multi-Drug Quant	
P2017-0033	1	76214	AM 28 Blood Multi-Drug Quant	
P2017-0062	1	76215	AM 28 Blood Multi-Drug Quant	
P2017-0073	1	76216	AM 28 Blood Multi-Drug Quant	



**Worklist: 1527**

<u>LAB_CASE</u>	<u>ITEM</u>	<u>TASK_ID</u>	<u>DESCRIPTION</u>
P2017-0094	1	76217	AM 28 Blood Multi-Drug Quant
P2017-0097	1	76218	AM 28 Blood Multi-Drug Quant
P2017-0101	1	76219	AM 28 Blood Multi-Drug Quant



A handwritten signature in black ink, consisting of a stylized, cursive script.

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

Date: 2-10-17

Analyst: Anne Nord

**PRE-ANALYTIC**

Plate Lot# 0498367 Plate Exp. 1/26/2018

1. Ensure all solutions are within expiration date.

Mobile Phase A: **0.5M Ammonium Hydroxide**

**5mM Amm Form +0.01% FA**

Mobile Phase B:

**0.01% FA in MeOH**

**20% Methanol**

Ethyl Acetate

Blank blood 321632-1  
Column: **Agilent 120 EC-C18 (2.1x 100-4um)**

- ✓ 2. Check levels of mobile phases and needle wash and refill as necessary. Ensure waste is not full.
- ✓ 3. Begin mobile phase flow and allow system to equilibrate for approx. 30 minutes.
- ✓ 4. Create worklist. Data path name: 021017 multidrug quant panel 1

**ANALYTIC**

- ✓ 1. Remove standards plate, blood, and samples from cold storage. Allow to reach room temperature.
- ✓ 2. Pipette **250 µL blood** in wells of analytical (standards) plate. Mix via aspirate and dispense.
  - Blank blood for locations containing standards/QCs and internal standards
  - Sample blood for locations containing only internal standards
- ✓ 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes. Shaker ID 66759
- ✓ 4. Pipette **250 µL 0.5M ammonium hydroxide** buffer in wells of analytical (standards) plate.
- ✓ 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- ✓ 6. Transfer **300 µL of blood+base** mixture to corresponding wells of SLE+ plate.
- ✓ 7. Apply positive pressure for approx. 4 seconds (or until no liquid remains on top of sorbent).  
**(Load at 85-100PSI- Selector to Right)** Wait 5 min.
- ✓ 8. Add **900 µL ethyl acetate** and allow to flow for 5 minutes under gravity.
- ✓ 9. Apply positive pressure for approx. 15 seconds. **(~10-15 PSI – Selector to the left)**
- ✓ 10. Add **900 µL ethyl acetate** and allow to flow for 5 minutes under gravity.
- ✓ 11. Apply positive pressure for approx. 15 seconds. **(~10-15 PSI – Selector to the left)**
12. Remove plate containing eluate. Place on **SPE Dry** and evaporate to dryness at approx. 35°C.  
SPE Dry ID 66819
- ✓ 13. Reconstitute in **100 µL 20% MeOH** and seal plate with foil. Place in autosampler and run worklist.

**POST-ANALYTIC**

- ✓ 1. Open quantitation software and create a new quantitation batch.  
Batch name: 2-10-17 MDQ Panel 1, 2-10-17 mdq panel 1b
- ✓ 2. Make any necessary changes. Limit curves based on validated linear ranges.
- ✓ 3. Were all appropriate standards used in the curve for each analyte? Y / N  
Are r<sup>2</sup> values ≥0.98 for each analyte? Y / N
- ✓ 4. For unknown samples, are the response ratios for each analyte within ± 20% of the average ratios of the standards and QC's? Y / N
- ✓ 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:

# ISP FORENSICS - Cd'A Instrument # 62340

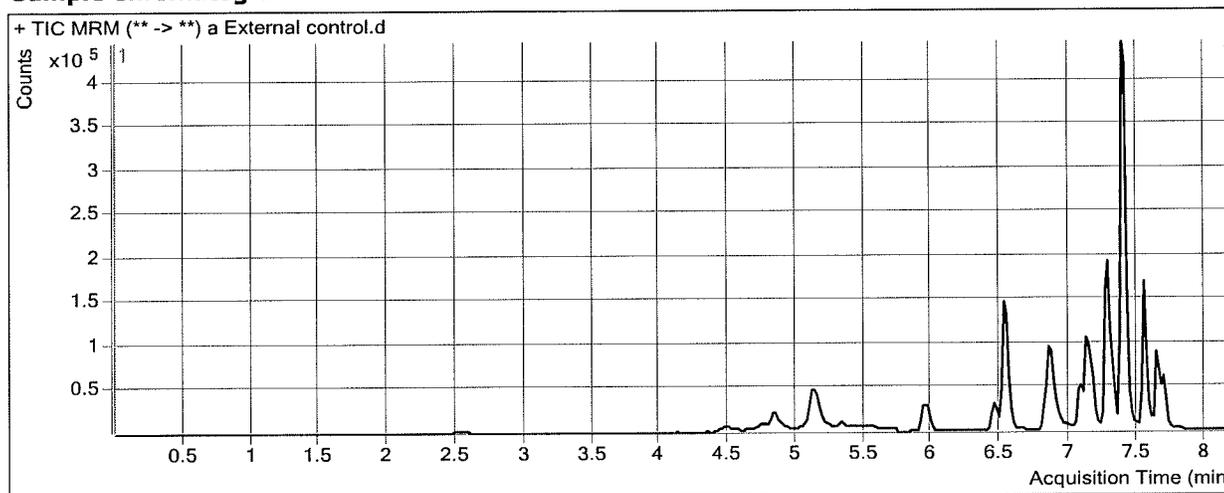
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 MDQ Panel 1.batch.bin  
**Analysis Time** 2/17/2017 9:03 AM **Analyst Name** ISP Tox  
**Report Time** 2/17/2017 9:07 AM **Reporter Name** ISP Tox  
**Last Calib Update** 2/17/2017 9:02 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2017-02-10 21:20 **Data File** a External control.d  
**Sample Type** Sample **Sample Name** a External control  
**Dilution** 1 **Acq Method** Quant Panel 1a 11-18-2016.m  
**Position** P1-H8 **Sample Info**  
**Inj Vol** -1 **Comment** lot 51017 50 ng hydrocodone, diphenhydramine, lorazepam

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Hydrocodone	Hydrocodone-D6	5.154	53631	61535	0.8716	<u>44.7119</u>
Bupropion	Bupropion-D9	7.091	1802	162848	0.0111	0.3399
Diphenhydramine	Diphenhydramine-D3	7.412	489373	461461	1.0605	<u>51.2934</u>
Lorazepam	Alprazolam-D5	7.682	9852	101139	0.0974	<u>45.3921</u>

# ISP FORENSICS - Cd'A Instrument # 62340

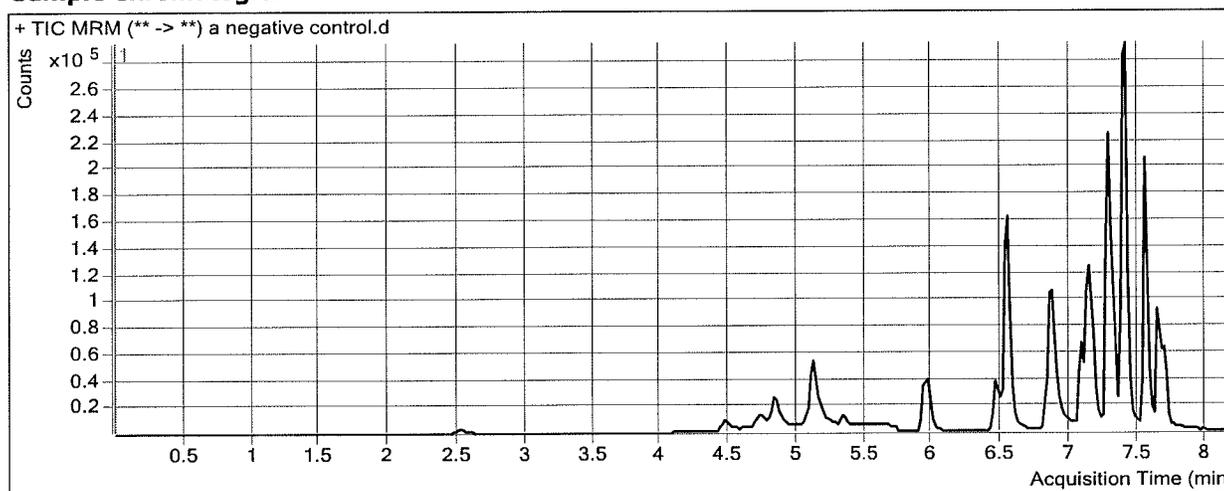
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 MDQ Panel 1.batch.bin  
**Analysis Time** 2/17/2017 9:03 AM **Analyst Name** ISP Tox  
**Report Time** 2/17/2017 9:07 AM **Reporter Name** ISP Tox  
**Last Calib Update** 2/17/2017 9:02 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2017-02-10 20:55 **Data File** a negative control.d  
**Sample Type** Sample **Sample Name** a negative control  
**Dilution** 1 **Acq Method** Quant Panel 1a 11-18-2016.m  
**Position** P1-G8 **Sample Info**  
**Inj Vol** -1 **Comment**

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Phentermine	Phentermine-D5	5.986	914	139845	0.0065	0.0000
Tramadol	Tramadol-13C-D3	6.560	4827	490842	0.0098	0.1771
Bupropion	Bupropion-D9	7.091	3500	195469	0.0179	0.6496
Venlafaxine	Venlafaxine-D6	7.286	7671	449332	0.0171	1.2017
Trazodone	Trazodone-D6	7.315	6303	251058	0.0251	1.5213
Citalopram	Citalopram-D6	7.377	9295	308765	0.0301	1.4681
Dextromethorphan	Dextromethorphan-D3	7.388	4698	72119	0.0651	2.9100
Diphenhydramine	Diphenhydramine-D3	7.412	19340	545962	0.0354	1.9912
Promethazine	Promethazine-D3	7.546	15280	444187	0.0344	2.3455

# ISP FORENSICS - Cd'A Instrument # 62340

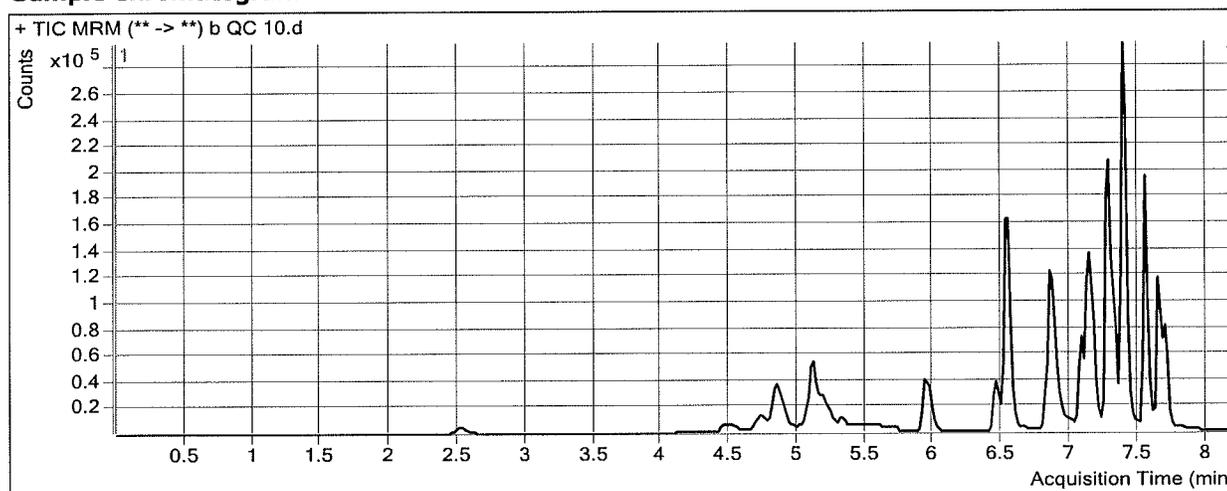
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 MDQ Panel 1.batch.bin  
**Analysis Time** 2/17/2017 9:03 AM **Analyst Name** ISP Tox  
**Report Time** 2/17/2017 9:07 AM **Reporter Name** ISP Tox  
**Last Calib Update** 2/17/2017 9:02 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2017-02-10 21:58 **Data File** b QC 10.d  
**Sample Type** QC **Sample Name** b QC 10  
**Dilution** 1 **Acq Method** Quant Panel 1a 11-18-2016.m  
**Position** P1-A2 **Sample Info**  
**Inj Vol** -1 **Comment**

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.588	1739	2089	0.8326	8.3435
Hydromorphone	Hydromorphone-D6	2.548	7313	21510	0.3400	10.7127
Codeine	Codeine-D6	4.532	2943	8777	0.3353	9.1703
6-MAM	6-MAM-D6	4.747	132	19380	0.0068	0.4121
Amphetamine	Amphetamine-D11	4.864	63849	43374	1.4721	7.6036
Oxycodone	Oxycodone-D6	4.870	13553	59090	0.2294	12.2525
Hydrocodone	Hydrocodone-D6	5.133	10903	57024	0.1912	8.6678
Methamphetamine	Methamphetamine-D11	5.202	62137	153605	0.4045	19.5506
Norhydrocodone	Norhydrocodone-D3	5.218	1008	24259	0.0415	15.4415
Phentermine	Phentermine-D5	5.986	11607	138210	0.0840	9.8976
Dextrorphan	Dextrorphan-D3	6.462	12554	87039	0.1442	10.9720
7-aminoclonazepam	7-Aminoclonazepam-D4	6.534	13128	52732	0.2490	10.8741
Tramadol	Tramadol-13C-D3	6.540	100685	427003	0.2358	10.7006
Doxylamine	Doxylamine-D5	6.862	96331	397373	0.2424	11.8598
Bupropion	Bupropion-D9	7.091	38124	158962	0.2398	10.6985
Zolpidem	Zolpidem-D6	7.142	64554	299418	0.2156	11.8061
Meprobamate	Meprobamate-D7	7.173	5947	30629	0.1942	10.0725
Venlafaxine	Venlafaxine-D6	7.265	89410	361571	0.2473	11.6915
Trazodone	Trazodone-D6	7.315	47562	190679	0.2494	11.3617
Citalopram	Citalopram-D6	7.377	57371	230236	0.2492	11.5737
Dextromethorphan	Dextromethorphan-D3	7.388	12852	47595	0.2700	12.0875
Diphenhydramine	Diphenhydramine-D3	7.412	99173	402164	0.2466	12.1480
Promethazine	Promethazine-D3	7.546	73154	356469	0.2052	11.1362

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

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bQC 10

<b>Compound</b>	<b>ISTD Compound</b>	<b>RT</b>	<b>Response</b>	<b>ISTD Resp</b>	<b>Resp Ratio</b>	<b>Final Conc</b>
Clonazepam	Clonazepam-D4	7.582	5844	7170	0.8151	9.4311
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.640	2292	9107	0.2517	10.0295
Carisoprodol	Carisoprodol-D7	7.652	31600	167584	0.1886	8.2981
Lorazepam	Alprazolam-D5	7.682	1809	100976	0.0179	11.2990
Alprazolam	Alprazolam-D5	7.705	29217	100976	0.2893	12.4123



# ISP FORENSICS - Cd'A Instrument # 62340

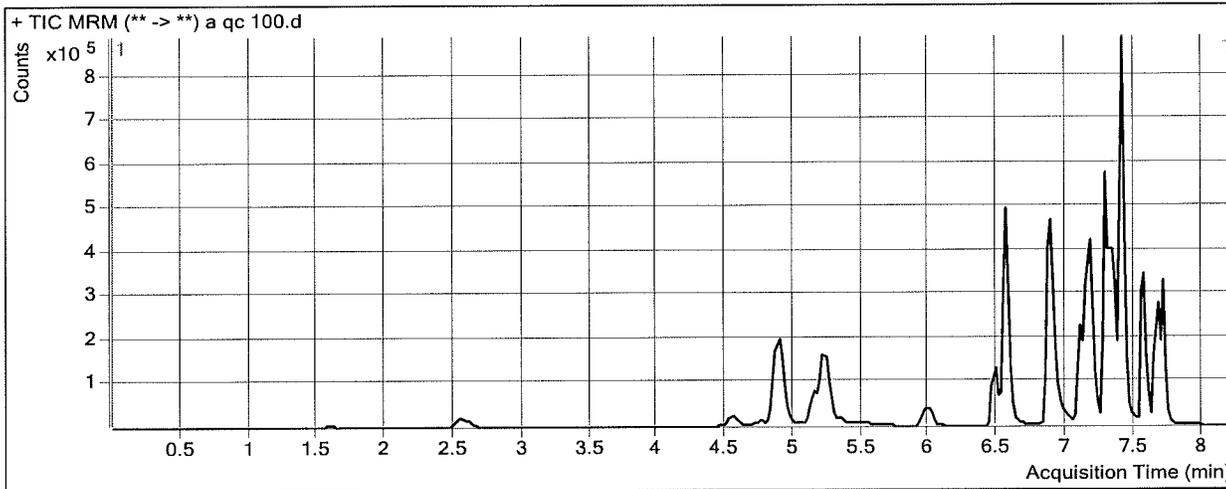
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 MDQ Panel 1.batch.bin  
**Analysis Time** 2/17/2017 9:03 AM **Analyst Name** ISP Tox  
**Report Time** 2/17/2017 9:07 AM **Reporter Name** ISP Tox  
**Last Calib Update** 2/17/2017 9:02 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2017-02-11 01:08 **Data File** a qc 100.d  
**Sample Type** QC **Sample Name** a qc 100  
**Dilution** 1 **Acq Method** Quant Panel 1a 11-18-2016.m  
**Position** P1-B2 **Sample Info**  
**Inj Vol** -1 **Comment**

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.608	15895	2174	7.3100	103.7161
Hydromorphone	Hydromorphone-D6	2.568	69867	19973	3.4981	107.2630
Codeine	Codeine-D6	4.552	28871	10177	2.8370	99.5860
6-MAM	6-MAM-D6	4.727	1070	17725	0.0604	11.1984
Amphetamine	Amphetamine-D11	4.904	469682	41773	11.2436	94.0623
Oxycodone	Oxycodone-D6	4.910	154918	66927	2.3147	83.0867
Hydrocodone	Hydrocodone-D6	5.154	112505	53226	2.1137	110.5184
Methamphetamine	Methamphetamine-D11	5.242	436553	140470	3.1078	95.2375
Norhydrocodone	Norhydrocodone-D3	5.218	9576	22281	0.4298	105.9308
Phentermine	Phentermine-D5	6.006	93102	128554	0.7242	115.6769
Dextrorphan	Dextrorphan-D3	6.482	126085	82580	1.5268	108.3485
7-aminoclonazepam	7-Aminoclonazepam-D4	6.554	132007	49411	2.6716	111.9446
Tramadol	Tramadol-13C-D3	6.560	925256	401518	2.3044	107.0402
Doxylamine	Doxylamine-D5	6.883	1003307	386741	2.5943	119.8071
Bupropion	Bupropion-D9	7.111	372576	159395	2.3374	105.6802
Zolpidem	Zolpidem-D6	7.162	595492	276749	2.1517	113.3573
Meprobamate	Meprobamate-D7	7.193	61756	31073	1.9875	102.7642
Venlafaxine	Venlafaxine-D6	7.286	815463	361698	2.2545	103.1549
Trazodone	Trazodone-D6	7.335	474715	177443	2.6753	117.7747
Citalopram	Citalopram-D6	7.377	463783	186422	2.4878	114.8364
Dextromethorphan	Dextromethorphan-D3	7.408	114742	49586	2.3140	103.6414
Diphenhydramine	Diphenhydramine-D3	7.412	855623	345997	2.4729	119.2267
Promethazine	Promethazine-D3	7.566	589376	271748	2.1688	112.1880

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

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*a QC100*

<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	7.582	57635	6944	8.3004	108.5543
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.640	22291	8166	2.7298	108.9374
Carisoprodol	Carisoprodol-D7	7.672	283913	154488	1.8378	113.9068
Lorazepam	Alprazolam-D5	7.682	17713	90756	0.1952	87.3191
Alprazolam	Alprazolam-D5	7.705	263648	90756	2.9050	113.4809

*A*

# ISP FORENSICS - Cd'A Instrument # 62340

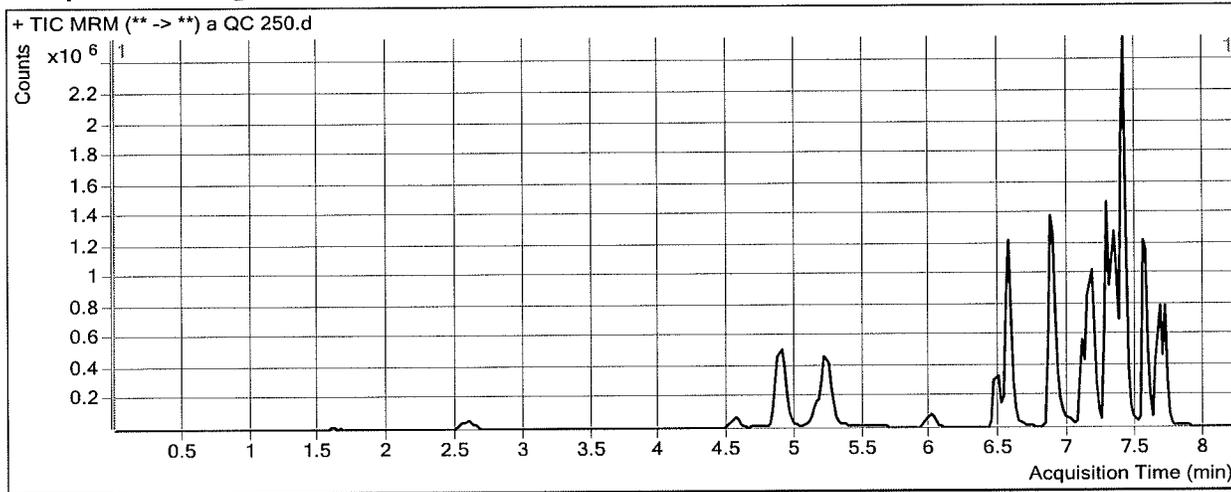
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 MDQ Panel 1.batch.bin  
**Analysis Time** 2/17/2017 9:03 AM **Analyst Name** ISP Tox  
**Report Time** 2/17/2017 9:07 AM **Reporter Name** ISP Tox  
**Last Calib Update** 2/17/2017 9:02 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2017-02-11 04:05 **Data File** a QC 250.d  
**Sample Type** QC **Sample Name** a QC 250  
**Dilution** 1 **Acq Method** Quant Panel 1a 11-18-2016.m  
**Position** P1-C2 **Sample Info**  
**Inj Vol** -1 **Comment**

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.608	44855	2651	16.9184	245.1904
Hydromorphone	Hydromorphone-D6	2.588	204956	24690	8.3012	254.1018
Codeine	Codeine-D6	4.552	87167	12416	7.0207	250.7957
6-MAM	6-MAM-D6	4.727	3326	23498	0.1416	27.5404
Amphetamine	Amphetamine-D11	4.884	1240567	51881	23.9116	206.1486
Oxycodone	Oxycodone-D6	4.890	515224	83552	6.1665	213.9229
Hydrocodone	Hydrocodone-D6	5.154	328368	67896	4.8364	254.7573
Methamphetamine	Methamphetamine-D11	5.222	1311242	177299	7.3957	215.2904
Norhydrocodone	Norhydrocodone-D3	5.218	29887	26356	1.1340	270.0474
Phentermine	Phentermine-D5	6.006	261728	162883	1.6068	261.5011
Dextrophan	Dextrophan-D3	6.482	385549	107296	3.5933	253.8943
7-aminoclonazepam	7-Aminoclonazepam-D4	6.554	364911	59069	6.1777	258.2135
Tramadol	Tramadol-13C-D3	6.560	2786861	506851	5.4984	255.7917
Doxylamine	Doxylamine-D5	6.862	2765108	511634	5.4045	248.7928
Bupropion	Bupropion-D9	7.111	1007647	189343	5.3218	240.8161
Zolpidem	Zolpidem-D6	7.162	1825169	384607	4.7455	249.4033
Meprobamate	Meprobamate-D7	7.193	192398	36739	5.2369	270.7247
Venlafaxine	Venlafaxine-D6	7.286	2715192	468726	5.7927	264.3756
Trazodone	Trazodone-D6	7.315	1735580	286720	6.0532	265.9506
Citalopram	Citalopram-D6	7.377	1685261	284682	5.9198	273.1459
Dextromethorphan	Dextromethorphan-D3	7.408	445437	76388	5.8312	261.1876
Diphenhydramine	Diphenhydramine-D3	7.412	2745091	560512	4.8975	235.8391
Promethazine	Promethazine-D3	7.546	2451182	502041	4.8824	251.8362

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

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a QO 250

<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	7.582	163877	8612	19.0285	250.6208
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.640	69216	9635	7.1835	286.7018
Carisoprodol	Carisoprodol-D7	7.672	700037	170941	4.0952	258.4635
Lorazepam	Alprazolam-D5	7.682	51708	107849	0.4794	209.2363
Alprazolam	Alprazolam-D5	7.705	715670	107849	6.6359	257.6382



# ISP FORENSICS - Cd'A Instrument # 62340

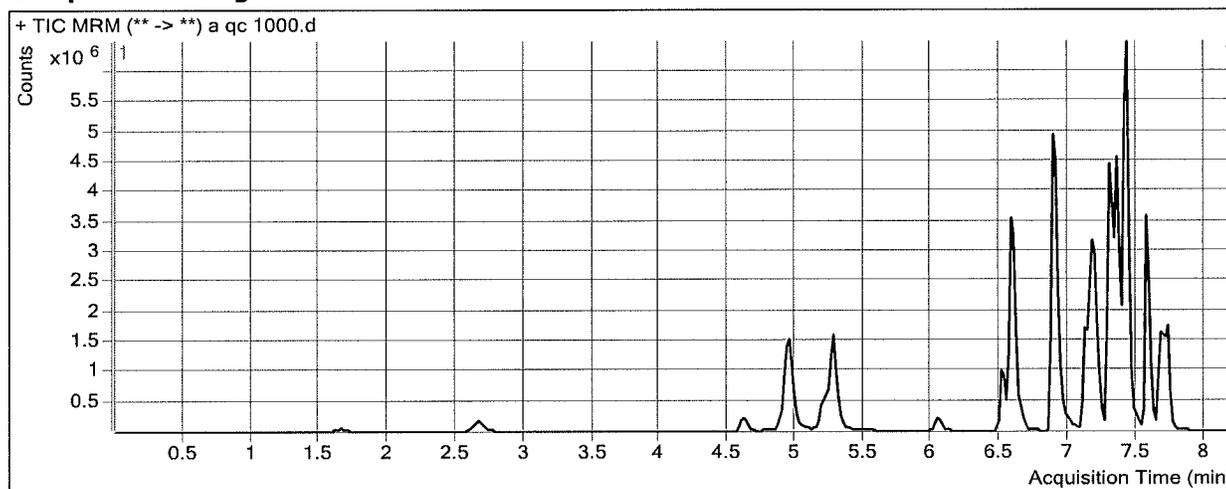
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 MDQ Panel 1.batch.bin  
**Analysis Time** 2/17/2017 9:03 AM **Analyst Name** ISP Tox  
**Report Time** 2/17/2017 9:07 AM **Reporter Name** ISP Tox  
**Last Calib Update** 2/17/2017 9:02 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2017-02-11 07:16 **Data File** a qc 1000.d  
**Sample Type** QC **Sample Name** a qc 1000  
**Dilution** 1 **Acq Method** Quant Panel 1a 11-18-2016.m  
**Position** P1-D2 **Sample Info**  
**Inj Vol** -1 **Comment**

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.651	149592	1895	78.9442	1158.4524
Hydromorphone	Hydromorphone-D6	2.668	699798	20383	34.3324	1049.9280
Codeine	Codeine-D6	4.613	307691	10206	30.1479	1086.6722
6-MAM	6-MAM-D6	4.787	9595	20239	0.4741	94.4762
Amphetamine	Amphetamine-D11	4.944	3458946	40757	84.8666	745.4794
Oxycodone	Oxycodone-D6	4.951	1847999	74685	24.7439	844.9532
Hydrocodone	Hydrocodone-D6	5.214	1125387	61898	18.1814	961.7462
Methamphetamine	Methamphetamine-D11	5.280	3930931	137205	28.6501	810.3802
Norhydrocodone	Norhydrocodone-D3	5.276	94070	18949	4.9645	1162.7805
Phentermine	Phentermine-D5	6.046	802260	133238	6.0212	990.8309
Dextropropion	Dextropropion-D3	6.504	1318130	94981	13.8778	978.2319
7-aminoclonazepam	7-Aminoclonazepam-D4	6.594	1097971	46768	23.4772	979.9269
Tramadol	Tramadol-13C-D3	6.580	9902869	466918	21.2090	987.4725
Doxylamine	Doxylamine-D5	6.883	9800581	501498	19.5426	897.7205
Bupropion	Bupropion-D9	7.131	3087765	159316	19.3813	877.4456
Zolpidem	Zolpidem-D6	7.182	6489991	338312	19.1834	1006.6767
Meprobamate	Meprobamate-D7	7.233	666704	33008	20.1981	1044.0415
Venlafaxine	Venlafaxine-D6	7.306	9337238	377388	24.7417	1127.8113
Trazodone	Trazodone-D6	7.335	5870379	240427	24.4165	1071.4734
Citalopram	Citalopram-D6	7.397	4806483	213831	22.4779	1036.9313
Dextromethorphan	Dextromethorphan-D3	7.408	1339025	58593	22.8532	1023.6423
Diphenhydramine	Diphenhydramine-D3	7.432	8179926	430543	18.9991	914.0785
Promethazine	Promethazine-D3	7.566	6942516	361081	19.2270	990.0411

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

a <sup>4</sup> 9C 1000

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.602	431716	6323	68.2762	902.7779
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.660	177383	7326	24.2119	966.3616
Carisoprodol	Carisoprodol-D7	7.693	2040491	117727	17.3324	1106.1273
Lorazepam	Alprazolam-D5	7.702	173059	75054	2.3058	992.4871
Alprazolam	Alprazolam-D5	7.726	1992966	75054	26.5536	1027.2494

# ISP FORENSICS - Cd'A Instrument # 62340

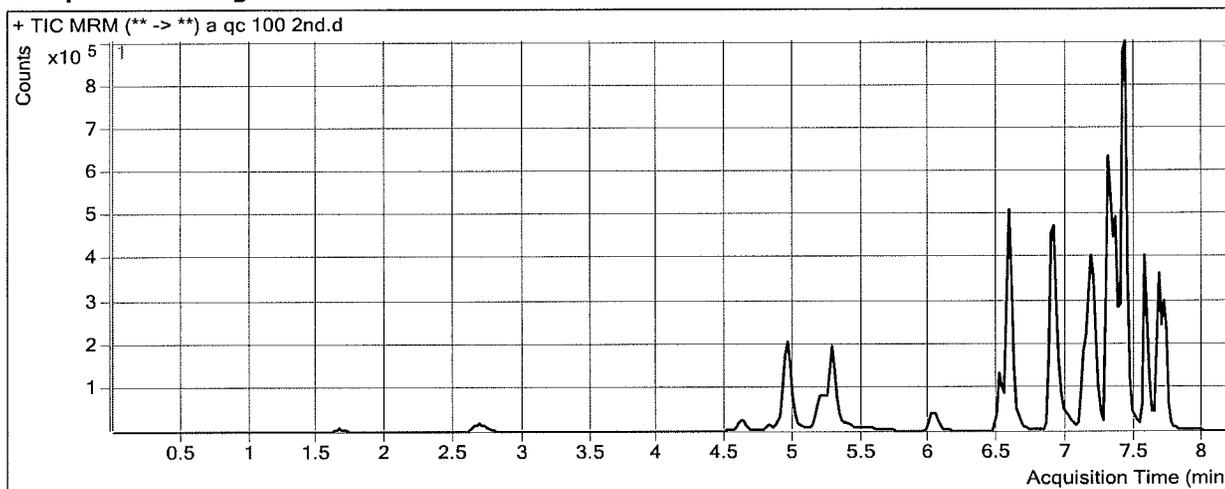
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 MDQ Panel 1.batch.bin  
**Analysis Time** 2/17/2017 9:03 AM **Analyst Name** ISP Tox  
**Report Time** 2/17/2017 9:07 AM **Reporter Name** ISP Tox  
**Last Calib Update** 2/17/2017 9:02 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2017-02-11 10:51 **Data File** a qc 100 2nd.d  
**Sample Type** QC **Sample Name** a qc 100 2nd  
**Dilution** 1 **Acq Method** Quant Panel 1a 11-18-2016.m  
**Position** P1-E2 **Sample Info**  
**Inj Vol** -1 **Comment**

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.668	15663	2041	7.6758	109.1020
Hydromorphone	Hydromorphone-D6	2.688	69942	20221	3.4589	106.0647
Codeine	Codeine-D6	4.613	30547	10407	2.9351	103.1339
6-MAM	6-MAM-D6	4.787	937	18547	0.0505	9.2164
Amphetamine	Amphetamine-D11	4.964	449508	40720	11.0391	92.2528
Oxycodone	Oxycodone-D6	4.951	153903	65705	2.3423	84.0244
Hydrocodone	Hydrocodone-D6	5.214	117057	55340	2.1152	110.5987
Methamphetamine	Methamphetamine-D11	5.280	465959	132598	3.5141	106.6130
Norhydrocodone	Norhydrocodone-D3	5.276	11094	23715	0.4678	114.7911
Phentermine	Phentermine-D5	6.046	93253	127843	0.7294	116.5371
Dextropropofol	Dextropropofol-D3	6.504	134056	84136	1.5933	113.0331
7-aminoclonazepam	7-Aminoclonazepam-D4	6.574	131229	47384	2.7695	116.0282
Tramadol	Tramadol-13C-D3	6.580	975097	420747	2.3175	107.6524
Doxylamine	Doxylamine-D5	6.903	1026755	445711	2.3036	106.4676
Bupropion	Bupropion-D9	7.131	279885	122515	2.2845	103.2833
Zolpidem	Zolpidem-D6	7.182	603607	285884	2.1114	111.2402
Meprobamate	Meprobamate-D7	7.213	62875	32010	1.9643	101.5647
Venlafaxine	Venlafaxine-D6	7.306	953399	374666	2.5447	116.3746
Trazodone	Trazodone-D6	7.335	580902	217316	2.6731	117.6770
Citalopram	Citalopram-D6	7.397	571043	230885	2.4733	114.1660
Dextromethorphan	Dextromethorphan-D3	7.408	133703	51791	2.5816	115.6281
Diphenhydramine	Diphenhydramine-D3	7.432	1011324	416067	2.4307	117.1947
Promethazine	Promethazine-D3	7.566	577686	260739	2.2156	114.5936

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

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*a qc 100 and*

<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	7.602	55274	7212	7.6639	100.1259
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.660	22968	8836	2.5995	103.7359
Carisoprodol	Carisoprodol-D7	7.672	282143	146281	1.9288	119.7349
Lorazepam	Alprazolam-D5	7.702	17427	91187	0.1911	85.5811
Alprazolam	Alprazolam-D5	7.705	266453	91187	2.9220	114.1383



# ISP FORENSICS - Cd'A Instrument # 62340

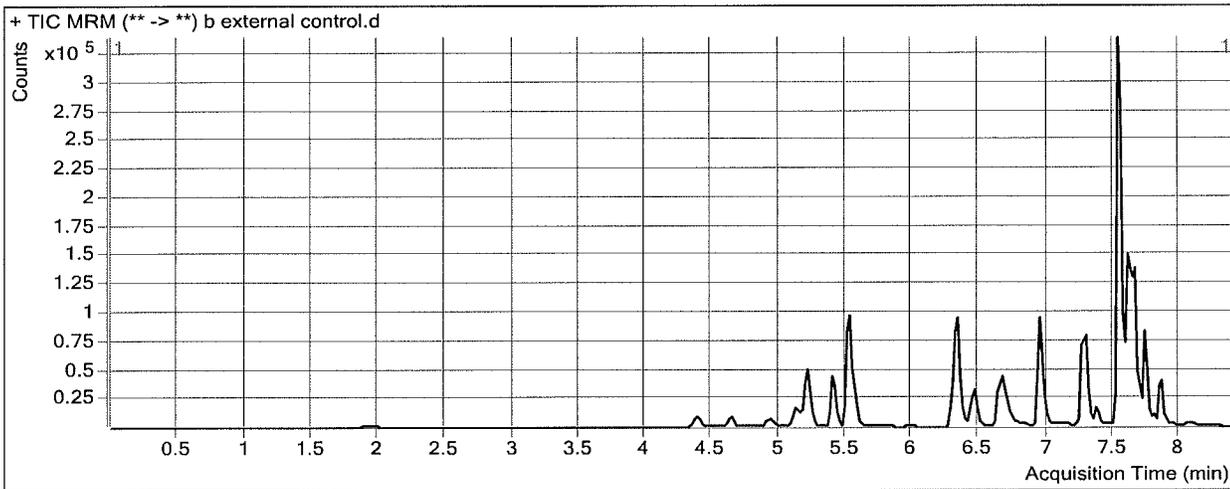
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 mdq panel 1b.batch.bin  
**Analysis Time** 2/16/2017 1:40 PM **Analyst Name** ISP Tox  
**Report Time** 2/16/2017 1:45 PM **Reporter Name** ISP Tox  
**Last Calib Update** 2/16/2017 1:40 PM **Batch State** Processed

### Analysis Info

**Acq Time** 2017-02-10 21:33 **Data File** b external control.d  
**Sample Type** Sample **Sample Name** b external control  
**Dilution** 1 **Acq Method** Quant Panel 1b 11-18-2016.m  
**Position** P1-H8 **Sample Info**  
**Inj Vol** -1 **Comment** lot 51017 50 ng quetiapine

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.981	581	298427	0.0019	0.1291
Fentanyl	Fentanyl-D5	7.279	765	235500	0.0032	0.1806
EDDP	EDDP-D3	7.833	518	35585	0.0145	1.9044
Cyclobenzaprine	Cyclobenzaprine-D3	7.593	2053	109840	0.0187	0.6932
Quetiapine	Quetiapine-D8	7.540	423401	102393	4.1351	56.1915

# ISP FORENSICS - Cd'A Instrument # 62340

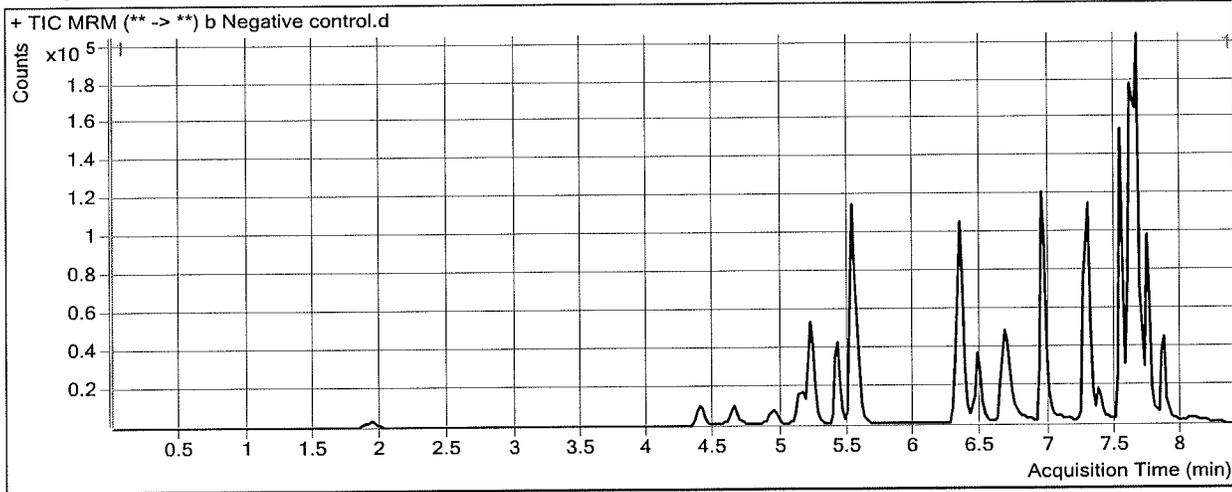
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 mdq panel 1b.batch.bin  
**Analysis Time** 2/16/2017 1:40 PM **Analyst Name** ISP Tox  
**Report Time** 2/16/2017 1:45 PM **Reporter Name** ISP Tox  
**Last Calib Update** 2/16/2017 1:40 PM **Batch State** Processed

### Analysis Info

**Acq Time** 2017-02-10 21:07 **Data File** b Negative control.d  
**Sample Type** Sample **Sample Name** b Negative control  
**Dilution** 1 **Acq Method** Quant Panel 1b 11-18-2016.m  
**Position** P1-G8 **Sample Info**  
**Inj Vol** -1 **Comment**

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
alpha-PVP	alpha-PVP-d8	6.729	1172	231011	0.0051	1.5257
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.962	793	378554	0.0021	0.1369
Fentanyl	Fentanyl-D5	7.279	1003	312524	0.0032	0.1790
Cyclobenzaprine	Cyclobenzaprine-D3	7.613	2503	148003	0.0169	0.6157
Fluoxetine	Fluoxetine-D6	7.665	8282	431737	0.0192	0.8167
Diazepam	Diazepam-D5	7.871	1250	106271	0.0118	0.8133

# ISP FORENSICS - Cd'A Instrument # 62340

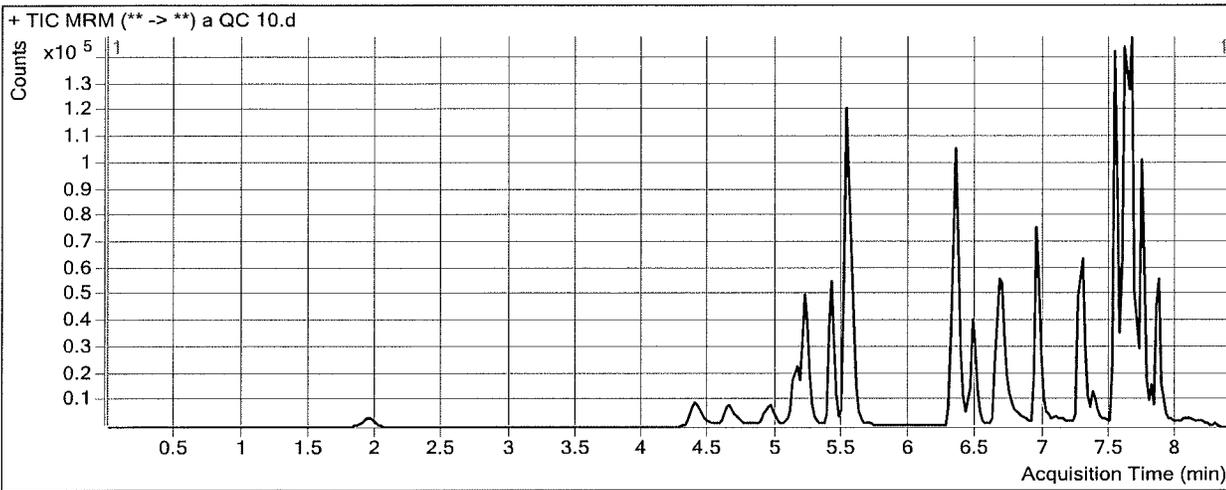
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 mdq panel 1b.batch.bin  
**Analysis Time** 2/17/2017 9:38 AM **Analyst Name** ISP Tox  
**Report Time** 2/17/2017 9:40 AM **Reporter Name** ISP Tox  
**Last Calib Update** 2/17/2017 9:38 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2017-02-10 21:46 **Data File** a QC 10.d  
**Sample Type** QC **Sample Name** a QC 10  
**Dilution** 1 **Acq Method** Quant Panel 1b 11-18-2016.m  
**Position** P1-A2 **Sample Info**  
**Inj Vol** -1 **Comment**

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.948	4187	17749	0.2359	10.5334
Dihydrocodeine	Dihydrocodeine-D6	4.437	9790	40944	0.2391	10.6955
Naloxone	Naloxone-D5	4.693	6041	34110	0.1771	9.8947
Noroxycodone	Noroxycodone-D3	4.977	6297	26128	0.2410	10.7120
Naltrexone	Naltrexone-D3	5.152	13596	55416	0.2454	11.8371
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.264	4050	173896	0.0233	1.1617
Naltrexol	Naltrexol-D3	5.410	35536	124619	0.2852	10.3147
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.539	80581	319179	0.2525	11.2444
Ketamine	Ketamine-D4	6.321	30468	119473	0.2550	8.6473
Norfentanyl	Norfentanyl-D5	6.364	5760	234582	0.0246	1.0778
Dextrophan	Dextrophan-D3	6.455	18529	85997	0.2155	10.8490
alpha-PVP	alpha-PVP-d8	6.688	53721	200407	0.2681	11.6525
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.962	4992	226280	0.0221	1.1947
Norbuprenorphine	Norbuprenorphine-D3	7.235	141	4679	0.0300	1.3221
Fentanyl	Fentanyl-D5	7.279	4723	173368	0.0272	1.2265
EDDP	EDDP-D3	7.370	5780	21585	0.2678	12.6255
Cyclobenzaprine	Cyclobenzaprine-D3	7.593	22891	84216	0.2718	11.7443
Sufentanil	Sufentanil-D5	7.518	2849	114305	0.0249	1.0569
Quetiapine	Quetiapine-D8	7.540	85824	90421	0.9492	12.3872
Buprenorphine	Buprenorphine-D4	7.636	1699	48082	0.0353	1.0348
Methadone	Methadone-D9	7.623	46989	212993	0.2206	12.7942
Oxazepam	Oxazepam-D5	7.689	2478	11978	0.2069	11.0154
Fluoxetine	Fluoxetine-D6	7.665	65699	251284	0.2615	12.2121

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

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a QC 10

<b>Compound</b>	<b>ISTD Compound</b>	<b>RT</b>	<b>Response</b>	<b>ISTD Resp</b>	<b>Resp Ratio</b>	<b>Final Conc</b>
Sertraline	Sertraline-D3	7.726	17686	63203	0.2798	12.9078
Temazepam	Temazepam-D5	7.748	19717	89547	0.2202	12.1331
Nordiazepam	Nordiazepam-D5	7.815	5674	14229	0.3987	10.4886
Diazepam	Diazepam-D5	7.871	27006	92917	0.2906	10.8689



# ISP FORENSICS - Cd'A Instrument # 62340

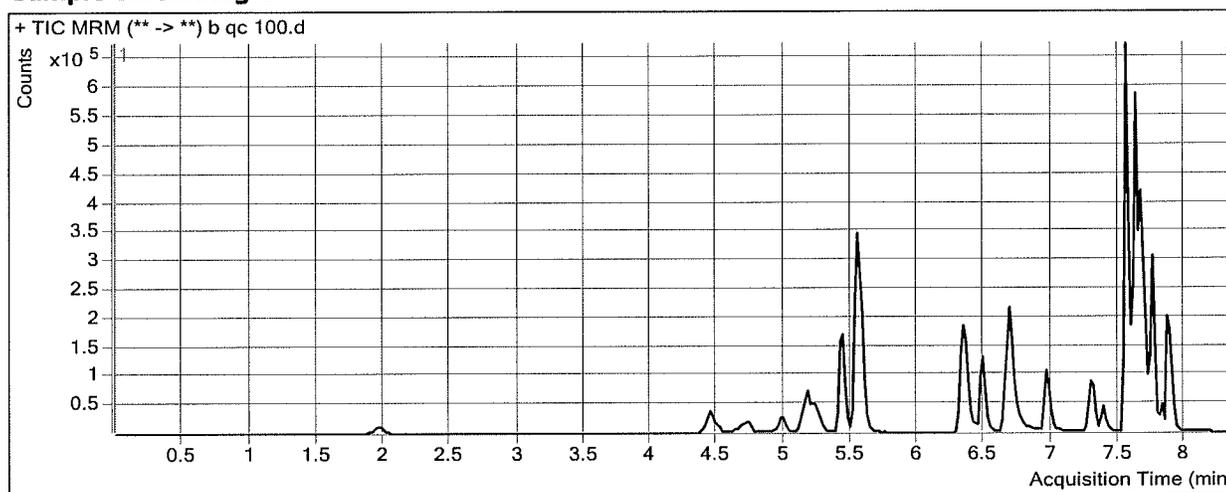
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 mdq panel 1b.batch.bin		
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<b>Report Time</b>	2/16/2017 1:45 PM	<b>Reporter Name</b>	ISP Tox
<b>Last Calib Update</b>	2/16/2017 1:40 PM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2017-02-11 01:21	<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 11-18-2016.m
<b>Position</b>	P1-B2	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.968	41023	16090	2.5496	104.9567
Dihydrocodeine	Dihydrocodeine-D6	4.457	95911	38202	2.5106	111.2365
Naloxone	Naloxone-D5	4.713	60673	28436	2.1337	124.5938
Noroxycodone	Noroxycodone-D3	4.997	60695	24500	2.4773	112.0359
Naltrexone	Naltrexone-D3	5.172	122707	47670	2.5741	111.8159
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.284	39092	158056	0.2473	10.6381
Naltrexol	Naltrexol-D3	5.430	344787	112245	3.0717	114.8532
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.559	799184	298742	2.6752	116.2101
Ketamine	Ketamine-D4	6.341	323031	109946	2.9381	116.0308
Norfentanyl	Norfentanyl-D5	6.384	52502	224705	0.2336	10.1316
Dextrorphan	Dextrorphan-D3	6.475	201022	81963	2.4526	114.5457
alpha-PVP	alpha-PVP-d8	6.688	559565	194299	2.8799	112.2269
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.981	53063	259796	0.2043	10.8465
Norbuprenorphine	Norbuprenorphine-D3	7.255	1214	5873	0.2068	9.8056
Fentanyl	Fentanyl-D5	7.299	46773	188040	0.2487	10.8808
EDDP	EDDP-D3	7.390	70488	29906	2.3570	101.0691
Cyclobenzaprine	Cyclobenzaprine-D3	7.613	239391	92770	2.5805	112.5382
Sufentanil	Sufentanil-D5	7.539	31879	136376	0.2338	10.3614
Quetiapine	Quetiapine-D8	7.540	853832	100868	8.4648	115.7228
Buprenorphine	Buprenorphine-D4	7.656	11827	49512	0.2389	9.3885
Methadone	Methadone-D9	7.623	479871	235709	2.0359	110.0279
Oxazepam	Oxazepam-D5	7.730	17214	10302	1.6710	72.2069
Fluoxetine	Fluoxetine-D6	7.665	582635	237104	2.4573	115.4961

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

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b 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>
Sertraline	Sertraline-D3	7.746	155609	59910	2.5974	113.1179
Temazepam	Temazepam-D5	7.748	187777	71738	2.6175	120.2449
Nordiazepam	Nordiazepam-D5	7.836	51835	11485	4.5135	114.9092
Diazepam	Diazepam-D5	7.891	257315	85148	3.0220	109.3508

# ISP FORENSICS - Cd'A Instrument # 62340

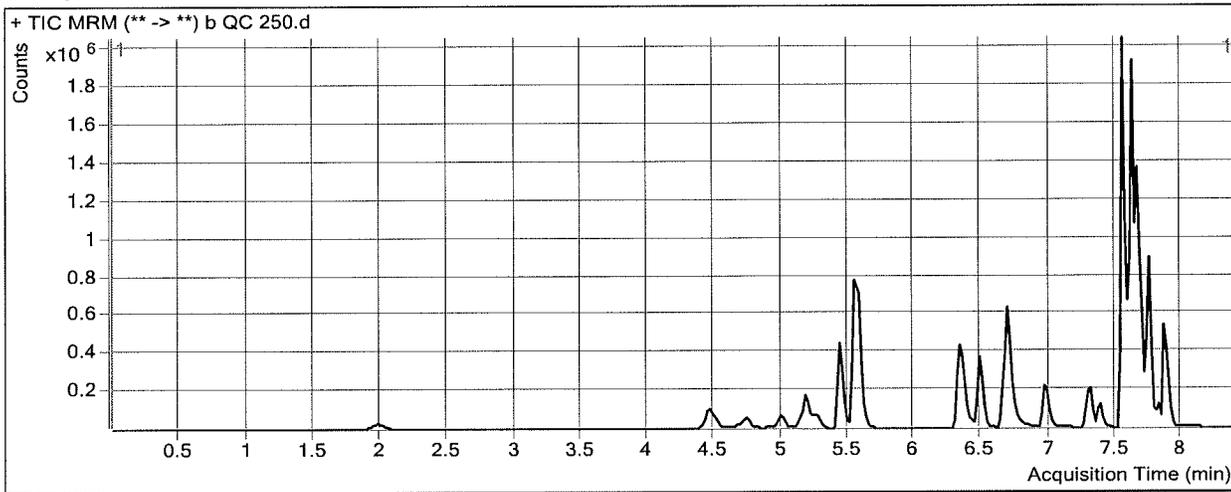
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 mdq panel 1b.batch.bin		
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<b>Report Time</b>	2/16/2017 1:45 PM	<b>Reporter Name</b>	ISP Tox
<b>Last Calib Update</b>	2/16/2017 1:40 PM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2017-02-11 04:18	<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 11-18-2016.m
<b>Position</b>	P1-C2	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.989	122894	19796	6.2079	254.2534
Dihydrocodeine	Dihydrocodeine-D6	4.477	283460	47957	5.9107	261.7327
Naloxone	Naloxone-D5	4.733	191806	40620	4.7220	276.3300
Noroxycodone	Noroxycodone-D3	4.997	178298	30803	5.7884	262.0515
Naltrexone	Naltrexone-D3	5.172	328488	56674	5.7961	250.1461
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.284	117666	192927	0.6099	25.9742
Naltrexol	Naltrexol-D3	5.430	947901	140089	6.7664	253.4590
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.559	2253044	380090	5.9277	257.1279
Ketamine	Ketamine-D4	6.341	961526	142912	6.7281	267.7173
Norfentanyl	Norfentanyl-D5	6.384	169758	295617	0.5743	24.8799
Dextrorphan	Dextrorphan-D3	6.475	630518	112866	5.5864	259.8061
alpha-PVP	alpha-PVP-d8	6.688	1731947	251188	6.8950	266.8355
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.981	206380	421090	0.4901	25.9905
Norbuprenorphine	Norbuprenorphine-D3	7.255	4177	7585	0.5508	26.3199
Fentanyl	Fentanyl-D5	7.299	193353	327377	0.5906	25.7817
EDDP	EDDP-D3	7.390	256185	42629	6.0096	255.6995
Cyclobenzaprine	Cyclobenzaprine-D3	7.613	955504	157245	6.0765	265.1721
Sufentanil	Sufentanil-D5	7.539	140107	236405	0.5927	26.3513
Quetiapine	Quetiapine-D8	7.540	2746778	151027	18.1873	249.4017
Buprenorphine	Buprenorphine-D4	7.656	37227	70367	0.5290	21.2980
Methadone	Methadone-D9	7.623	1788691	366884	4.8754	262.1256
Oxazepam	Oxazepam-D5	7.710	66629	13635	4.8867	206.6064
Fluoxetine	Fluoxetine-D6	7.665	2217724	398418	5.5663	261.7318

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

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b QC 250

<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>
Sertraline	Sertraline-D3	7.746	623417	102635	6.0741	263.4520
Temazepam	Temazepam-D5	7.748	562850	99018	5.6843	258.5455
Nordiazepam	Nordiazepam-D5	7.836	151884	16002	9.4915	241.2399
Diazepam	Diazepam-D5	7.871	742616	105834	7.0168	253.3900



# ISP FORENSICS - Cd'A Instrument # 62340

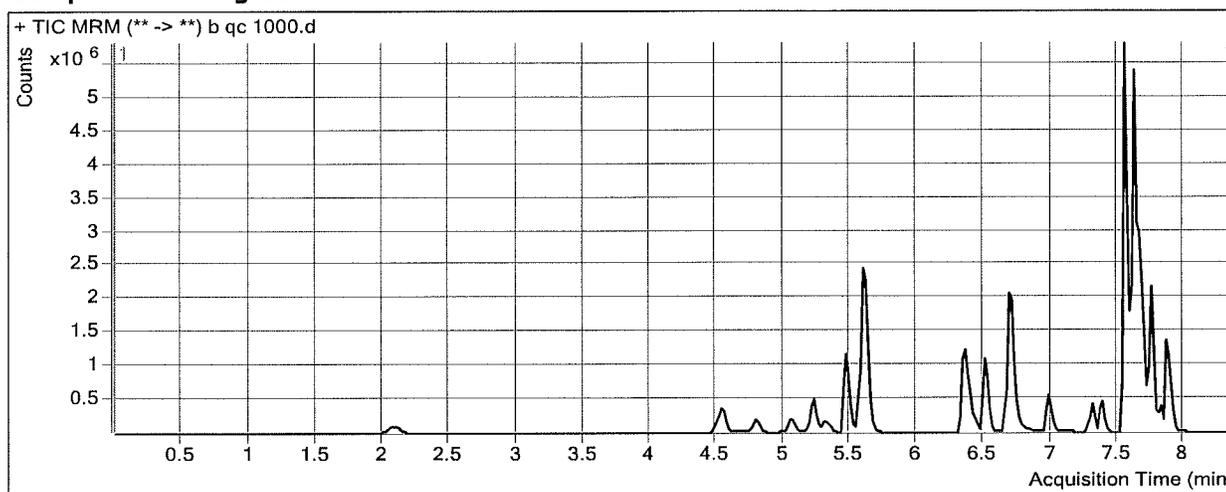
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 mdq panel 1b.batch.bin		
<b>Analysis Time</b>	2/16/2017 1:40 PM	<b>Analyst Name</b>	ISP Tox
<b>Report Time</b>	2/16/2017 1:45 PM	<b>Reporter Name</b>	ISP Tox
<b>Last Calib Update</b>	2/16/2017 1:40 PM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2017-02-11 07:28	<b>Data File</b>	b qc 1000.d
<b>Sample Type</b>	QC	<b>Sample Name</b>	b qc 1000
<b>Dilution</b>	1	<b>Acq Method</b>	Quant Panel 1b 11-18-2016.m
<b>Position</b>	P1-D2	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	2.089	429449	17674	24.2985	992.5399
Dihydrocodeine	Dihydrocodeine-D6	4.536	964953	45927	21.0107	930.0895
Naloxone	Naloxone-D5	4.793	625710	35597	17.5777	1029.9712
Noroxycodone	Noroxycodone-D3	5.077	535902	28327	18.9182	856.9355
Naltrexone	Naltrexone-D3	5.232	943921	44645	21.1428	909.0245
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.344	406270	156490	2.5961	109.9884
Naltrexol	Naltrexol-D3	5.471	2750055	113585	24.2115	907.9102
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.598	7966077	350859	22.7045	984.0001
Ketamine	Ketamine-D4	6.361	3248054	132411	24.5300	980.1963
Norfentanyl	Norfentanyl-D5	6.404	615195	251529	2.4458	105.9197
Dextrorphan	Dextrorphan-D3	6.495	2078733	95365	21.7977	1011.2358
alpha-PVP	alpha-PVP-d8	6.688	5927455	232847	25.4565	981.5786
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.981	784861	382177	2.0537	108.8229
Norbuprenorphine	Norbuprenorphine-D3	7.255	13821	6985	1.9788	94.8710
Fentanyl	Fentanyl-D5	7.299	561330	250462	2.2412	97.7240
EDDP	EDDP-D3	7.390	948194	40442	23.4455	993.8281
Cyclobenzaprine	Cyclobenzaprine-D3	7.613	2080930	98664	21.0911	920.6889
Sufentanil	Sufentanil-D5	7.539	383429	175259	2.1878	97.4193
Quetiapine	Quetiapine-D8	7.540	8236602	121468	67.8089	931.6669
Buprenorphine	Buprenorphine-D4	7.656	114143	54387	2.0987	85.7221
Methadone	Methadone-D9	7.623	5433163	301175	18.0399	967.2848
Oxazepam	Oxazepam-D5	7.710	243452	9669	25.1788	1054.7105
Fluoxetine	Fluoxetine-D6	7.665	5349345	248799	21.5007	1011.2182

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

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b QC 1000

<b>Compound</b>	<b>ISTD Compound</b>	<b>RT</b>	<b>Response</b>	<b>ISTD Resp</b>	<b>Resp Ratio</b>	<b>Final Conc</b>
Sertraline	Sertraline-D3	7.746	1399192	58931	23.7429	1027.4471
Temazepam	Temazepam-D5	7.748	1794812	78012	23.0069	1039.7345
Nordiazepam	Nordiazepam-D5	7.836	483875	13723	35.2607	895.1931
Diazepam	Diazepam-D5	7.871	2073525	73105	28.3638	1023.0902

# ISP FORENSICS - Cd'A Instrument # 62340

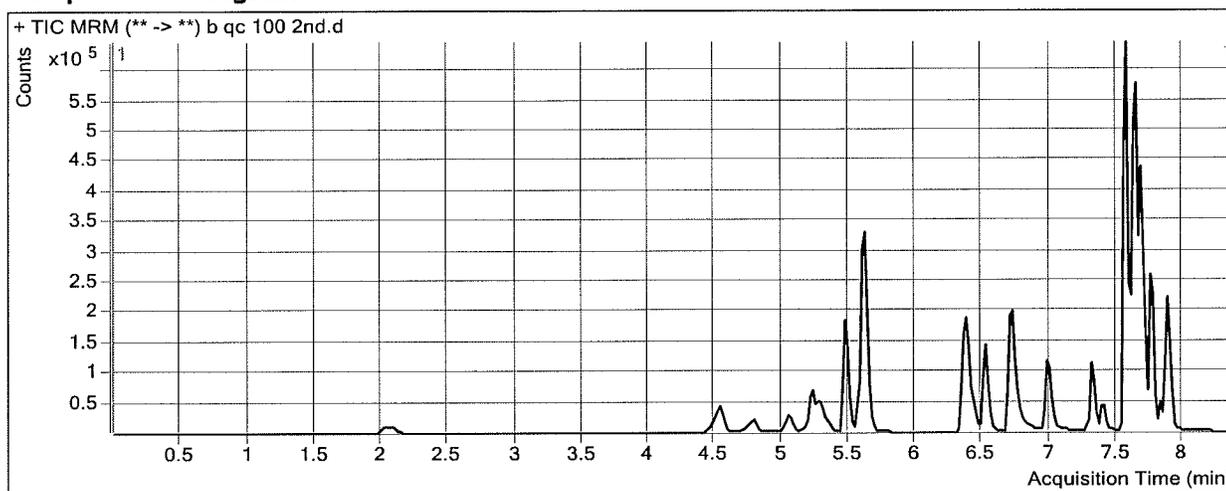
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 mdq panel 1b.batch.bin  
**Analysis Time** 2/16/2017 1:40 PM **Analyst Name** ISP Tox  
**Report Time** 2/16/2017 1:45 PM **Reporter Name** ISP Tox  
**Last Calib Update** 2/16/2017 1:40 PM **Batch State** Processed

### Analysis Info

**Acq Time** 2017-02-11 11:04 **Data File** b qc 100 2nd.d  
**Sample Type** QC **Sample Name** b qc 100 2nd  
**Dilution** 1 **Acq Method** Quant Panel 1b 11-18-2016.m  
**Position** P1-E2 **Sample Info**  
**Inj Vol** -1 **Comment**

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	2.069	40846	16198	2.5216	103.8156
Dihydrocodeine	Dihydrocodeine-D6	4.536	101386	40825	2.4834	110.0344
Naloxone	Naloxone-D5	4.793	59411	31340	1.8957	110.6440
Noroxycodone	Noroxycodone-D3	5.057	57783	24931	2.3177	104.8048
Naltrexone	Naltrexone-D3	5.232	117530	47477	2.4755	107.5844
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.344	39424	162337	0.2429	10.4488
Naltrexol	Naltrexol-D3	5.471	344825	114717	3.0059	112.3817
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.618	829580	315064	2.6331	114.3856
Ketamine	Ketamine-D4	6.361	324784	114170	2.8447	112.2948
Norfentanyl	Norfentanyl-D5	6.424	56879	237962	0.2390	10.3645
Dextrorphan	Dextrorphan-D3	6.515	209281	86794	2.4112	112.6286
alpha-PVP	alpha-PVP-d8	6.729	530666	201446	2.6343	102.7685
Acetyl Fentanyl	Acetyl Fentanyl-D5	7.001	64774	300035	0.2159	11.4630
Norbuprenorphine	Norbuprenorphine-D3	7.275	1570	6036	0.2601	12.3668
Fentanyl	Fentanyl-D5	7.319	52578	213464	0.2463	10.7747
EDDP	EDDP-D3	7.410	74474	31006	2.4019	102.9702
Cyclobenzaprine	Cyclobenzaprine-D3	7.613	244635	95198	2.5698	112.0698
Sufentanil	Sufentanil-D5	7.539	33811	132805	0.2546	11.2894
Quetiapine	Quetiapine-D8	7.560	936307	108185	8.6547	118.3335
Buprenorphine	Buprenorphine-D4	7.656	13061	52874	0.2470	9.7233
Methadone	Methadone-D9	7.643	549665	272350	2.0182	109.0835
Oxazepam	Oxazepam-D5	7.710	24787	10226	2.4240	103.6820
Fluoxetine	Fluoxetine-D6	7.685	524659	227007	2.3112	108.6241

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

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b QC 100 and

<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>
Sertraline	Sertraline-D3	7.746	150550	57567	2.6152	113.8890
Temazepam	Temazepam-D5	7.768	185937	75892	2.4500	112.6910
Nordiazepam	Nordiazepam-D5	7.836	50756	12267	4.1378	105.3752
Diazepam	Diazepam-D5	7.891	249023	81012	3.0739	111.2231



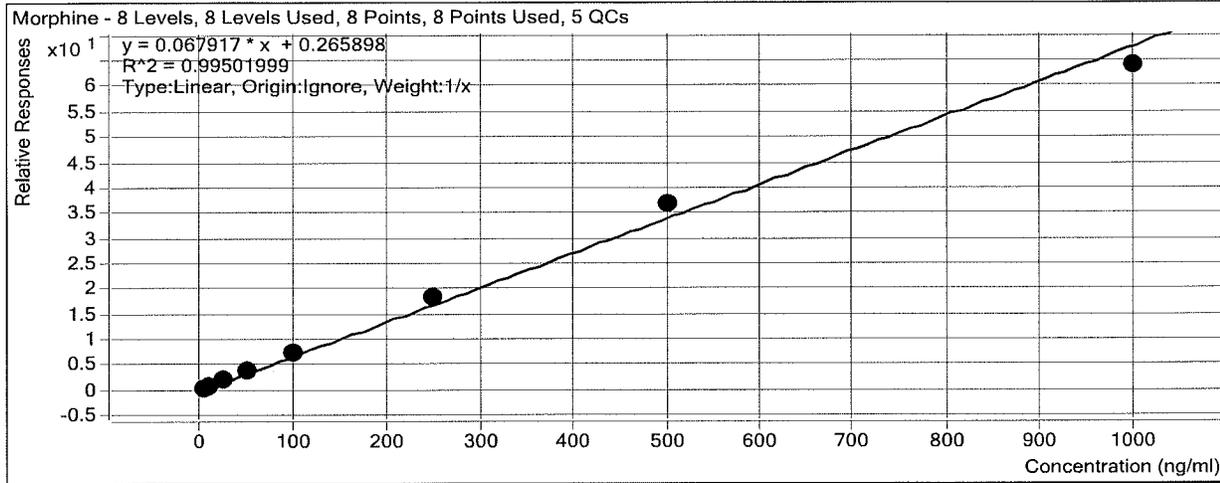
# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 MDQ Panel 1.batch.bin

**Last Calib Update** 2/17/2017 9:02 AM

**Analyst Name** ISP TOX

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



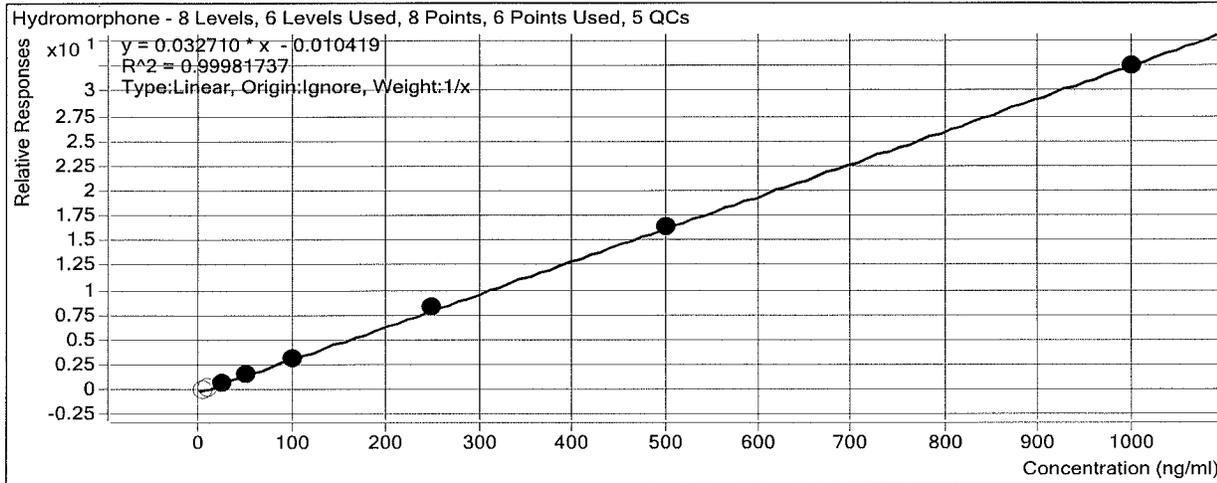
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a cal 1	1	<input checked="" type="checkbox"/>	5	4.2	84.8
a cal 2	2	<input checked="" type="checkbox"/>	10	8.8	88.4
a cal 2	2	<input checked="" type="checkbox"/>	10	8.8	88.4
b QC 10	2	<input checked="" type="checkbox"/>	10	8.3	83.4
a cal 3	3	<input checked="" type="checkbox"/>	25	25.2	101.0
a cal 4	4	<input checked="" type="checkbox"/>	50	56.3	112.6
a cal 5	5	<input checked="" type="checkbox"/>	100	106.2	106.2
a qc 100	5	<input checked="" type="checkbox"/>	100	103.7	103.7
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	109.1	109.1
a cal 6	6	<input checked="" type="checkbox"/>	250	264.5	105.8
a QC 250	6	<input checked="" type="checkbox"/>	250	245.2	98.1
a cal 7	7	<input checked="" type="checkbox"/>	500	536.9	107.4
a cal 8	8	<input checked="" type="checkbox"/>	1000	937.8	93.8
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1158.5	115.8

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 MDQ Panel 1.batch.bin

**Last Calib Update** 2/17/2017 9:02 AM      **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1	1	<input type="checkbox"/>	5	4.8	95.5
a cal 2	2	<input type="checkbox"/>	10	8.4	84.4
a cal 2	2	<input type="checkbox"/>	10	8.4	84.4
b QC 10	2	<input checked="" type="checkbox"/>	10	10.7	107.1
a cal 3	3	<input checked="" type="checkbox"/>	25	24.6	98.3
a cal 4	4	<input checked="" type="checkbox"/>	50	50.9	101.9
a cal 5	5	<input checked="" type="checkbox"/>	100	97.8	97.8
a qc 100	5	<input checked="" type="checkbox"/>	100	107.3	107.3
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	106.1	106.1
a cal 6	6	<input checked="" type="checkbox"/>	250	254.9	102.0
a QC 250	6	<input checked="" type="checkbox"/>	250	254.1	101.6
a cal 7	7	<input checked="" type="checkbox"/>	500	504.4	100.9
a cal 8	8	<input checked="" type="checkbox"/>	1000	992.5	99.2
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1049.9	105.0

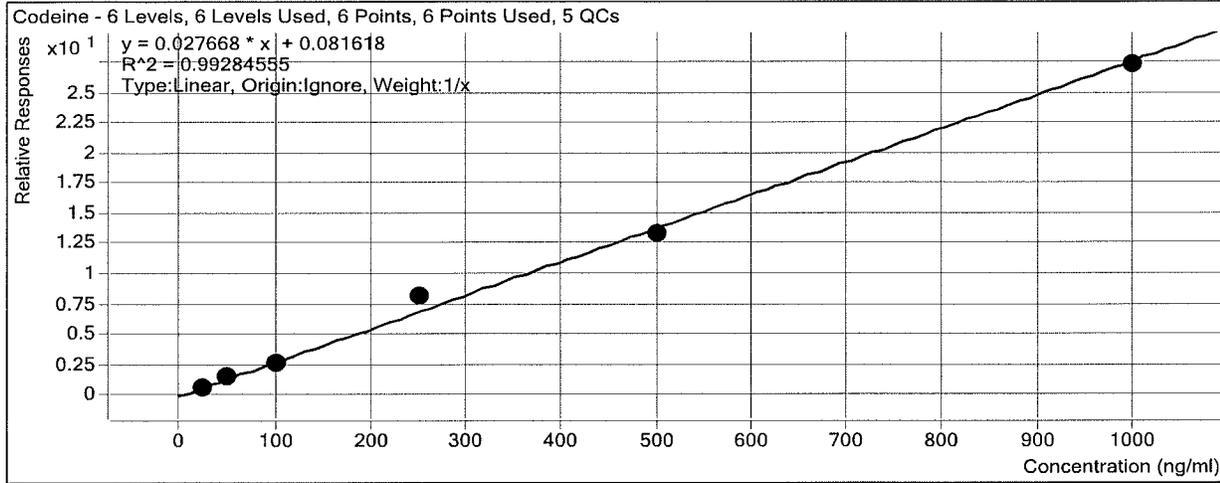
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# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 MDQ Panel 1.batch.bin

**Last Calib Update** 2/17/2017 9:02 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b QC 10	2	<input checked="" type="checkbox"/>	10	9.2	91.7
a cal 3	3	<input checked="" type="checkbox"/>	25	21.3	85.1
a cal 4	4	<input checked="" type="checkbox"/>	50	54.5	108.9
a cal 5	5	<input checked="" type="checkbox"/>	100	94.4	94.4
a qc 100	5	<input checked="" type="checkbox"/>	100	99.6	99.6
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	103.1	103.1
a cal 6	6	<input checked="" type="checkbox"/>	250	294.5	117.8
a QC 250	6	<input checked="" type="checkbox"/>	250	250.8	100.3
a cal 7	7	<input checked="" type="checkbox"/>	500	477.4	95.5
a cal 8	8	<input checked="" type="checkbox"/>	1000	983.0	98.3
a qc 1000	8	<input type="checkbox"/>	1000	1086.7	108.7

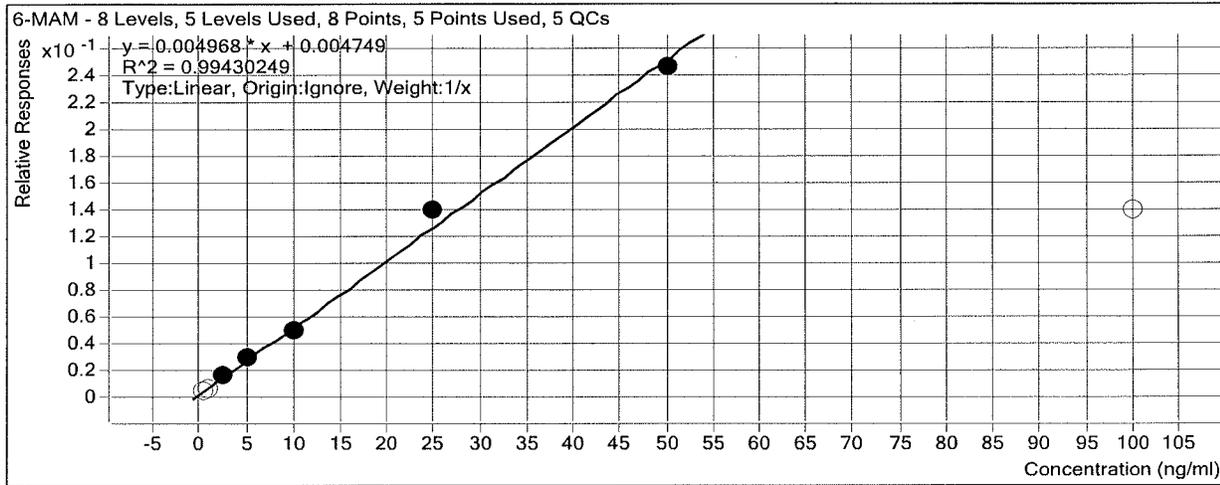
# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 MDQ Panel 1.batch.bin

**Last Calib Update** 2/17/2017 9:02 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	1	<input type="checkbox"/>	0.5	0.3	63.1
a cal 2	2	<input type="checkbox"/>	1	0.5	51.9
a cal 2	2	<input type="checkbox"/>	1	0.5	51.9
b QC 10	2	<input type="checkbox"/>	1	0.4	41.2
a cal 3	3	<input checked="" type="checkbox"/>	2.5	2.5	100.0
a cal 4	4	<input checked="" type="checkbox"/>	5	5.1	102.9
a cal 5	5	<input checked="" type="checkbox"/>	10	9.1	91.0
a qc 100	5	<input checked="" type="checkbox"/>	10	11.2	112.0
a qc 100 2nd	5	<input checked="" type="checkbox"/>	10	9.2	92.2
a cal 6	6	<input checked="" type="checkbox"/>	25	27.3	109.1
a QC 250	6	<input checked="" type="checkbox"/>	25	27.5	110.2
a cal 7	7	<input checked="" type="checkbox"/>	50	48.5	96.9
a cal 8	8	<input type="checkbox"/>	100	27.4	27.4
a qc 1000	8	<input checked="" type="checkbox"/>	100	94.5	94.5

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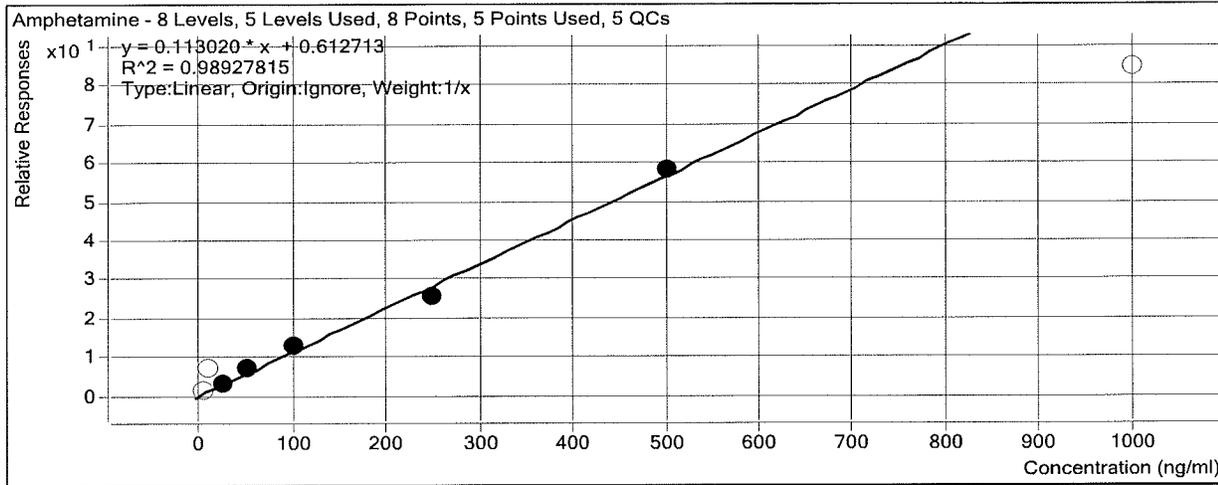
# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 MDQ Panel 1.batch.bin

**Last Calib Update** 2/17/2017 9:02 AM

**Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1	1	<input type="checkbox"/>	5	9.7	194.1
a cal 2	2	<input type="checkbox"/>	10	57.5	575.0
a cal 2	2	<input type="checkbox"/>	10	57.5	575.0
b QC 10	2	<input type="checkbox"/>	10	7.6	76.0
a cal 3	3	<input checked="" type="checkbox"/>	25	20.4	81.7
a cal 4	4	<input checked="" type="checkbox"/>	50	58.5	116.9
a cal 5	5	<input checked="" type="checkbox"/>	100	109.5	109.5
a qc 100	5	<input checked="" type="checkbox"/>	100	94.1	94.1
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	92.3	92.3
a cal 6	6	<input checked="" type="checkbox"/>	250	223.0	89.2
a QC 250	6	<input checked="" type="checkbox"/>	250	206.1	82.5
a cal 7	7	<input checked="" type="checkbox"/>	500	513.6	102.7
a cal 8	8	<input type="checkbox"/>	1000	743.5	74.3
a qc 1000	8	<input type="checkbox"/>	1000	745.5	74.5

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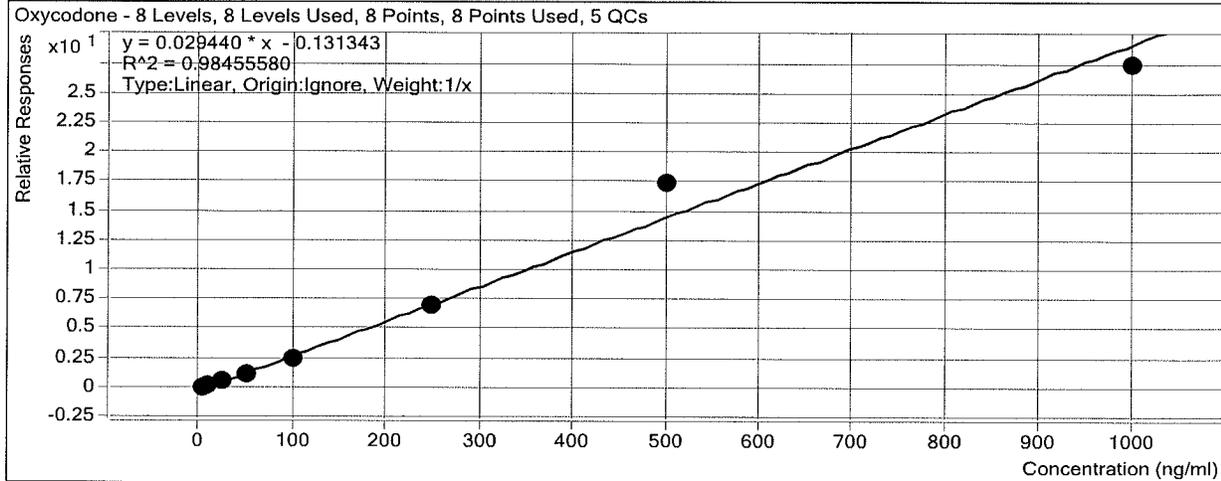
# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 MDQ Panel 1.batch.bin

**Last Calib Update** 2/17/2017 9:02 AM

**Analyst Name** ISP TOX

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



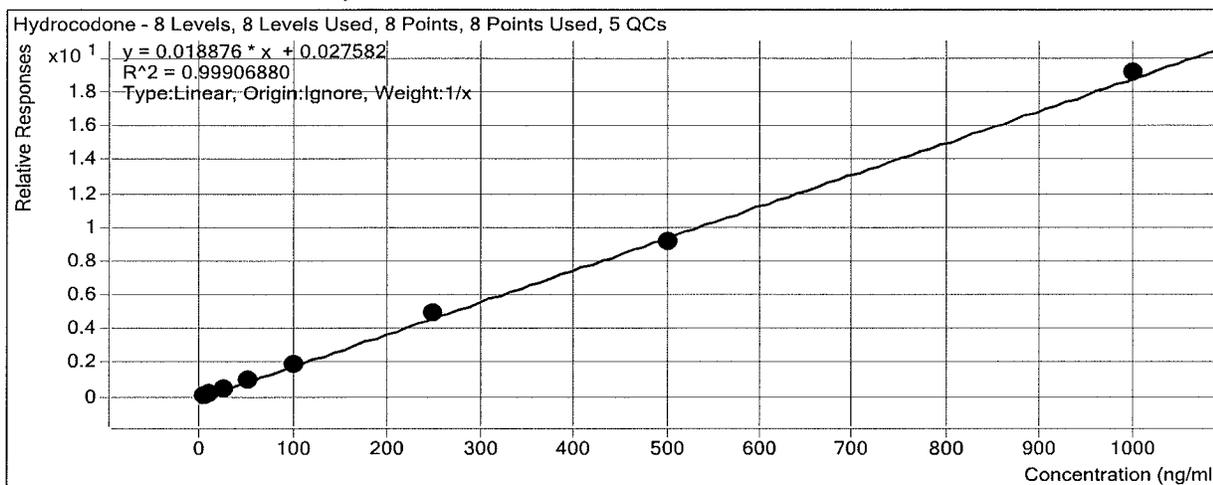
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1	1	<input checked="" type="checkbox"/>	5	5.6	111.9
a cal 2	2	<input checked="" type="checkbox"/>	10	11.7	117.2
a cal 2	2	<input checked="" type="checkbox"/>	10	11.7	117.2
b QC 10	2	<input checked="" type="checkbox"/>	10	12.3	122.5
a cal 3	3	<input checked="" type="checkbox"/>	25	22.7	90.9
a cal 4	4	<input checked="" type="checkbox"/>	50	43.2	86.4
a cal 5	5	<input checked="" type="checkbox"/>	100	83.5	83.5
a qc 100	5	<input checked="" type="checkbox"/>	100	83.1	83.1
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	84.0	84.0
a cal 6	6	<input checked="" type="checkbox"/>	250	243.5	97.4
a QC 250	6	<input checked="" type="checkbox"/>	250	213.9	85.6
a cal 7	7	<input checked="" type="checkbox"/>	500	597.1	119.4
a cal 8	8	<input checked="" type="checkbox"/>	1000	932.7	93.3
a qc 1000	8	<input checked="" type="checkbox"/>	1000	845.0	84.5

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 MDQ Panel 1.batch.bin

**Last Calib Update** 2/17/2017 9:02 AM **Analyst Name** ISP TOX

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



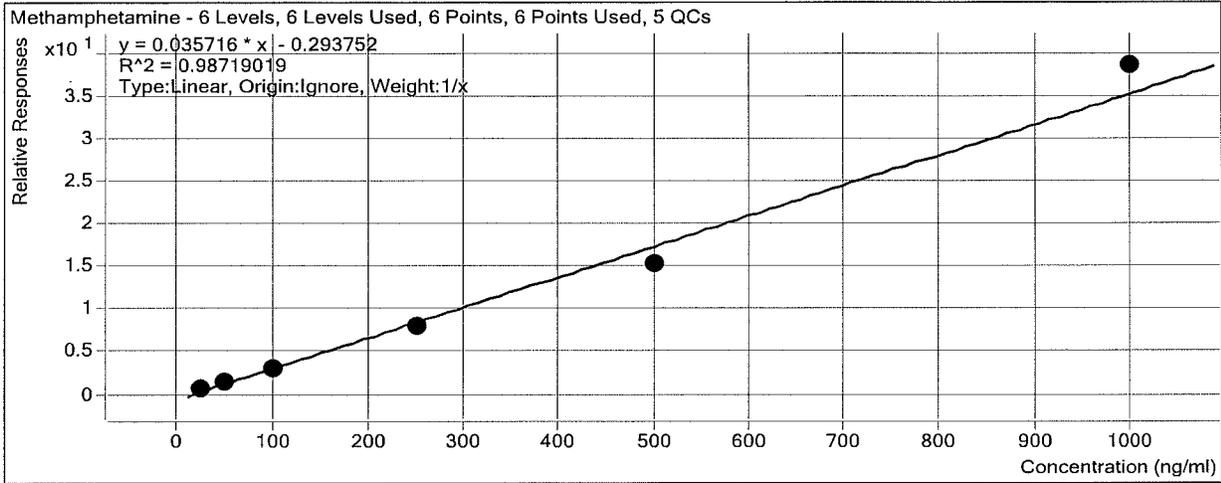
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1	1	<input checked="" type="checkbox"/>	5	5.4	108.8
a cal 2	2	<input checked="" type="checkbox"/>	10	10.0	100.4
a cal 2	2	<input checked="" type="checkbox"/>	10	10.0	100.4
b QC 10	2	<input checked="" type="checkbox"/>	10	8.7	86.7
a cal 3	3	<input checked="" type="checkbox"/>	25	23.0	92.2
a cal 4	4	<input checked="" type="checkbox"/>	50	49.8	99.6
a cal 5	5	<input checked="" type="checkbox"/>	100	97.2	97.2
a qc 100	5	<input checked="" type="checkbox"/>	100	110.5	110.5
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	110.6	110.6
a cal 6	6	<input checked="" type="checkbox"/>	250	261.2	104.5
a QC 250	6	<input checked="" type="checkbox"/>	250	254.8	101.9
a cal 7	7	<input checked="" type="checkbox"/>	500	481.0	96.2
a cal 8	8	<input checked="" type="checkbox"/>	1000	1012.4	101.2
a qc 1000	8	<input checked="" type="checkbox"/>	1000	961.7	96.2

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 MDQ Panel 1.batch.bin

**Last Calib Update** 2/17/2017 9:02 AM **Analyst Name** ISP TOX

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



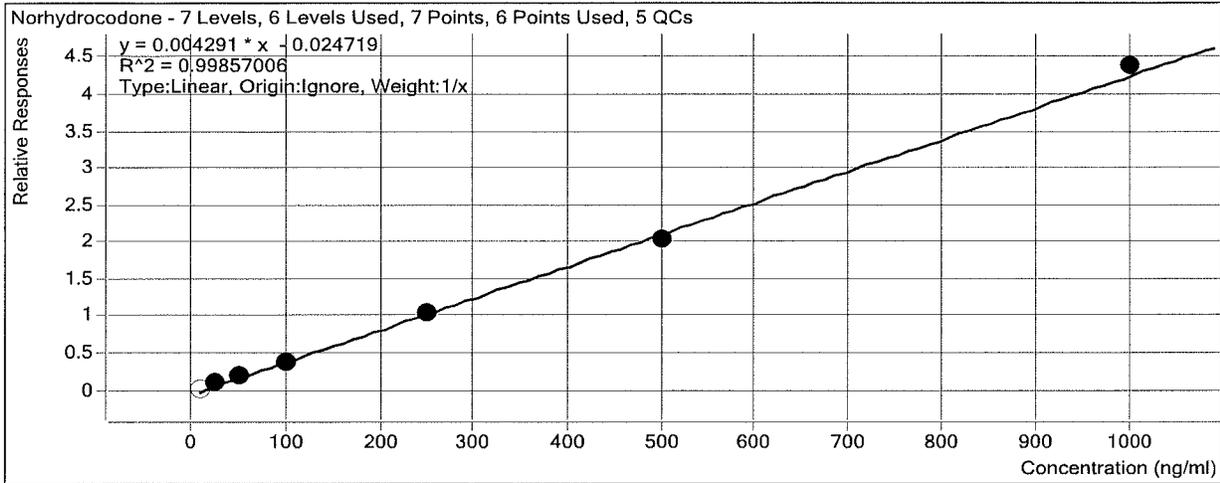
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b QC 10	2	<input checked="" type="checkbox"/>	10	19.6	195.5
a cal 3	3	<input checked="" type="checkbox"/>	25	29.8	119.3
a cal 4	4	<input checked="" type="checkbox"/>	50	50.4	100.8
a cal 5	5	<input checked="" type="checkbox"/>	100	91.5	91.5
a qc 100	5	<input checked="" type="checkbox"/>	100	95.2	95.2
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	106.6	106.6
a cal 6	6	<input checked="" type="checkbox"/>	250	231.7	92.7
a QC 250	6	<input checked="" type="checkbox"/>	250	215.3	86.1
a cal 7	7	<input checked="" type="checkbox"/>	500	435.0	87.0
a cal 8	8	<input checked="" type="checkbox"/>	1000	1086.5	108.6
a qc 1000	8	<input checked="" type="checkbox"/>	1000	810.4	81.0

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 MDQ Panel 1.batch.bin

**Last Calib Update** 2/17/2017 9:02 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 2	2	<input type="checkbox"/>	10	12.7	127.5
a cal 2	2	<input type="checkbox"/>	10	12.7	127.5
b QC 10	2	<input checked="" type="checkbox"/>	10	15.4	154.4
a cal 3	3	<input checked="" type="checkbox"/>	25	27.7	110.8
a cal 4	4	<input checked="" type="checkbox"/>	50	49.0	98.1
a cal 5	5	<input checked="" type="checkbox"/>	100	93.4	93.4
a qc 100	5	<input checked="" type="checkbox"/>	100	105.9	105.9
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	114.8	114.8
a cal 6	6	<input checked="" type="checkbox"/>	250	246.5	98.6
a QC 250	6	<input checked="" type="checkbox"/>	250	270.0	108.0
a cal 7	7	<input checked="" type="checkbox"/>	500	482.3	96.5
a cal 8	8	<input checked="" type="checkbox"/>	1000	1026.0	102.6
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1162.8	116.3

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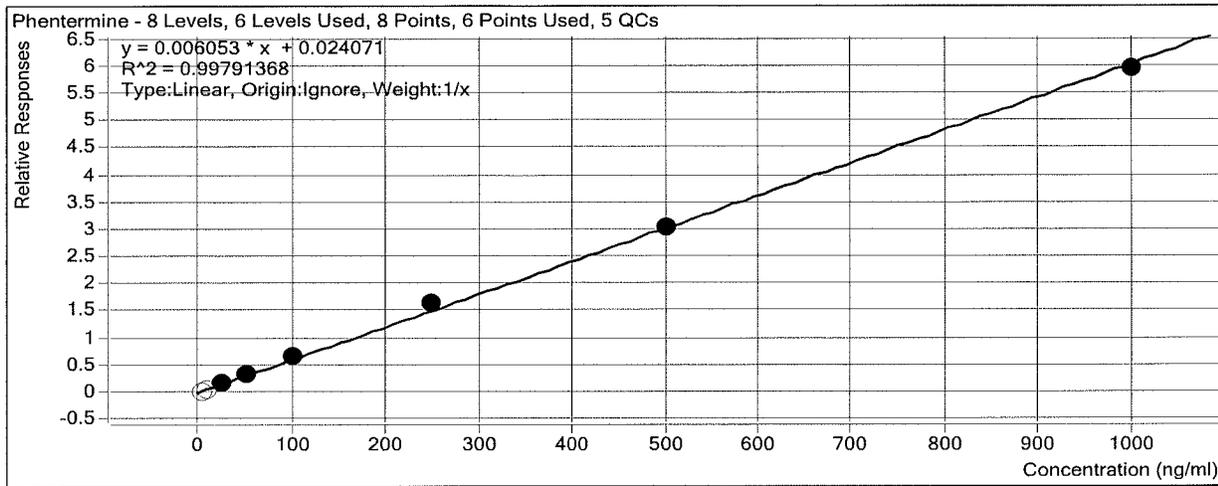
# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 MDQ Panel 1.batch.bin

**Last Calib Update** 2/17/2017 9:02 AM

**Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1	1	<input type="checkbox"/>	5	0.0	0.0
a cal 2	2	<input type="checkbox"/>	10	4.6	46.1
a cal 2	2	<input type="checkbox"/>	10	4.6	46.1
b QC 10	2	<input checked="" type="checkbox"/>	10	9.9	99.0
a cal 3	3	<input checked="" type="checkbox"/>	25	21.7	86.8
a cal 4	4	<input checked="" type="checkbox"/>	50	50.4	100.9
a cal 5	5	<input checked="" type="checkbox"/>	100	106.9	106.9
a qc 100	5	<input checked="" type="checkbox"/>	100	115.7	115.7
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	116.5	116.5
a cal 6	6	<input checked="" type="checkbox"/>	250	270.1	108.0
a QC 250	6	<input checked="" type="checkbox"/>	250	261.5	104.6
a cal 7	7	<input checked="" type="checkbox"/>	500	498.2	99.6
a cal 8	8	<input checked="" type="checkbox"/>	1000	977.6	97.8
a qc 1000	8	<input checked="" type="checkbox"/>	1000	990.8	99.1

Administrative  
cut off 25 ng

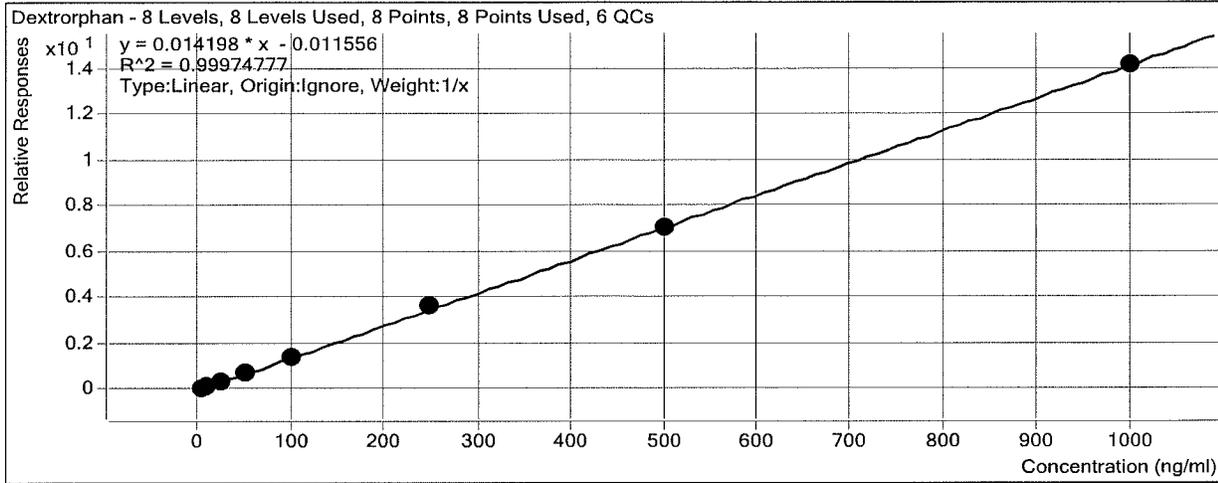
# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 MDQ Panel 1.batch.bin

**Last Calib Update** 2/17/2017 9:02 AM

**Analyst Name** ISP TOX

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



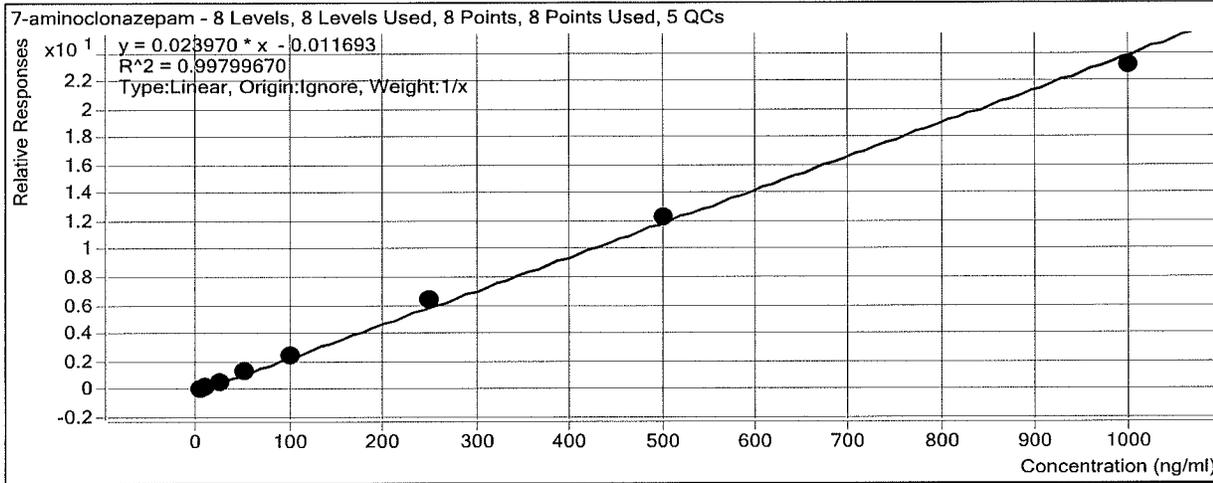
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1	1	<input checked="" type="checkbox"/>	5	5.2	103.3
a cal 2	2	<input checked="" type="checkbox"/>	10	9.7	97.3
a QC 10	2	<input checked="" type="checkbox"/>	10	10.8	108.4
b QC 10	2	<input checked="" type="checkbox"/>	10	11.0	109.7
a cal 3	3	<input checked="" type="checkbox"/>	25	24.3	97.1
a cal 4	4	<input checked="" type="checkbox"/>	50	49.6	99.2
a cal 5	5	<input checked="" type="checkbox"/>	100	100.5	100.5
a qc 100	5	<input checked="" type="checkbox"/>	100	108.3	108.3
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	113.0	113.0
a cal 6	6	<input checked="" type="checkbox"/>	250	259.4	103.8
a QC 250	6	<input checked="" type="checkbox"/>	250	253.9	101.6
a cal 7	7	<input checked="" type="checkbox"/>	500	496.8	99.4
a cal 8	8	<input checked="" type="checkbox"/>	1000	994.5	99.4
a qc 1000	8	<input checked="" type="checkbox"/>	1000	978.2	97.8

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 MDQ Panel 1.batch.bin

**Last Calib Update** 2/17/2017 9:02 AM      **Analyst Name** ISP TOX

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



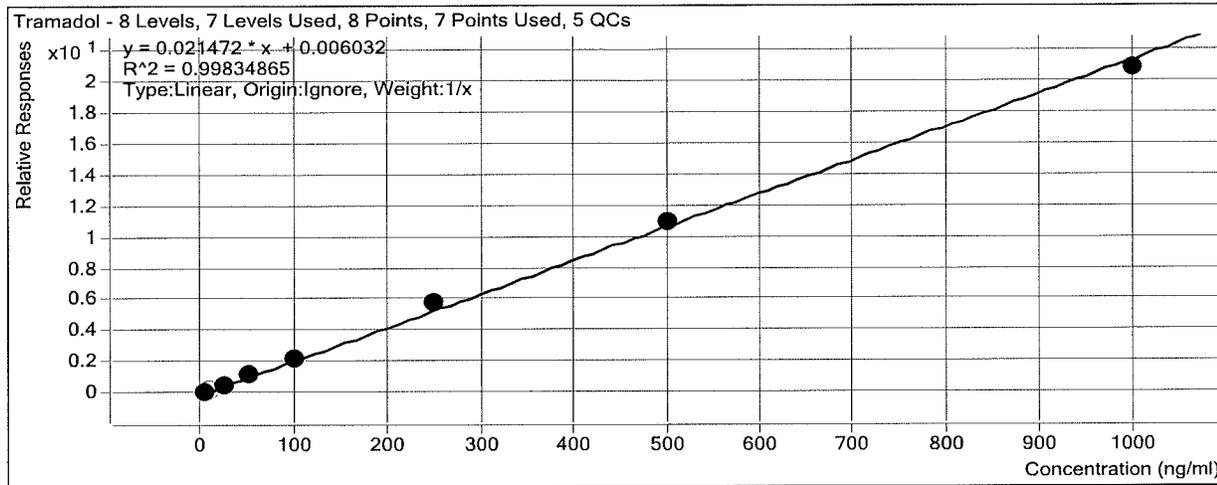
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1	1	<input checked="" type="checkbox"/>	5	4.6	92.0
a cal 2	2	<input checked="" type="checkbox"/>	10	9.1	91.3
a cal 2	2	<input checked="" type="checkbox"/>	10	9.1	91.3
b QC 10	2	<input checked="" type="checkbox"/>	10	10.9	108.7
a cal 3	3	<input checked="" type="checkbox"/>	25	25.0	99.9
a cal 4	4	<input checked="" type="checkbox"/>	50	53.6	107.2
a cal 5	5	<input checked="" type="checkbox"/>	100	103.3	103.3
a qc 100	5	<input checked="" type="checkbox"/>	100	111.9	111.9
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	116.0	116.0
a cal 6	6	<input checked="" type="checkbox"/>	250	268.0	107.2
a QC 250	6	<input checked="" type="checkbox"/>	250	258.2	103.3
a cal 7	7	<input checked="" type="checkbox"/>	500	513.8	102.8
a cal 8	8	<input checked="" type="checkbox"/>	1000	962.6	96.3
a qc 1000	8	<input checked="" type="checkbox"/>	1000	979.9	98.0

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 MDQ Panel 1.batch.bin

**Last Calib Update** 2/17/2017 9:02 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1	1	<input checked="" type="checkbox"/>	5	4.4	88.7
a cal 2	2	<input type="checkbox"/>	10	8.4	84.4
a cal 2	2	<input type="checkbox"/>	10	8.4	84.4
b QC 10	2	<input checked="" type="checkbox"/>	10	10.7	107.0
a cal 3	3	<input checked="" type="checkbox"/>	25	24.2	96.6
a cal 4	4	<input checked="" type="checkbox"/>	50	52.4	104.8
a cal 5	5	<input checked="" type="checkbox"/>	100	104.0	104.0
a qc 100	5	<input checked="" type="checkbox"/>	100	107.0	107.0
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	107.7	107.7
a cal 6	6	<input checked="" type="checkbox"/>	250	268.5	107.4
a QC 250	6	<input checked="" type="checkbox"/>	250	255.8	102.3
a cal 7	7	<input checked="" type="checkbox"/>	500	508.4	101.7
a cal 8	8	<input checked="" type="checkbox"/>	1000	968.1	96.8
a qc 1000	8	<input checked="" type="checkbox"/>	1000	987.5	98.7

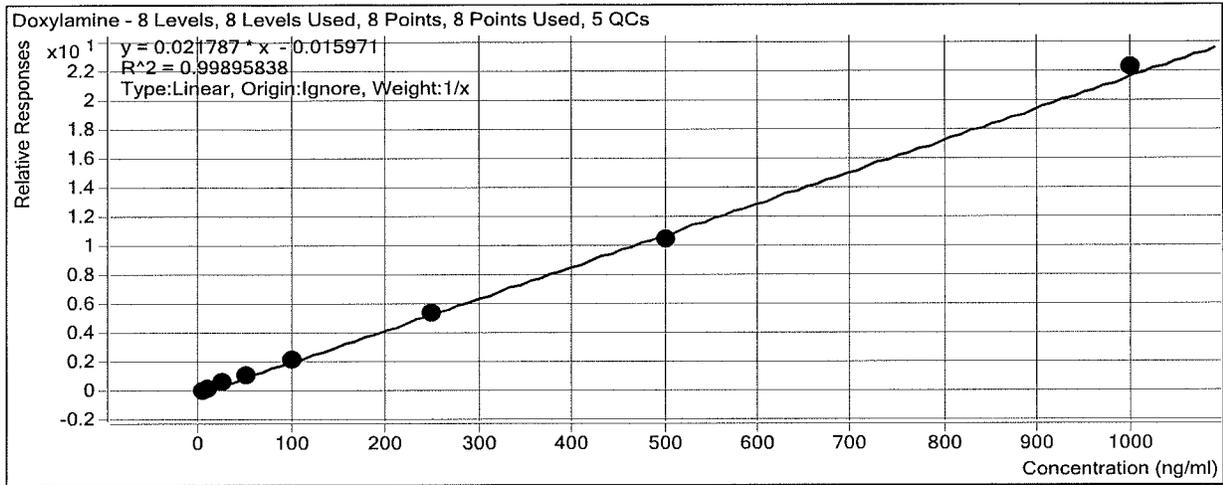
# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 MDQ Panel 1.batch.bin

**Last Calib Update** 2/17/2017 9:02 AM

**Analyst Name** ISP TOX

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



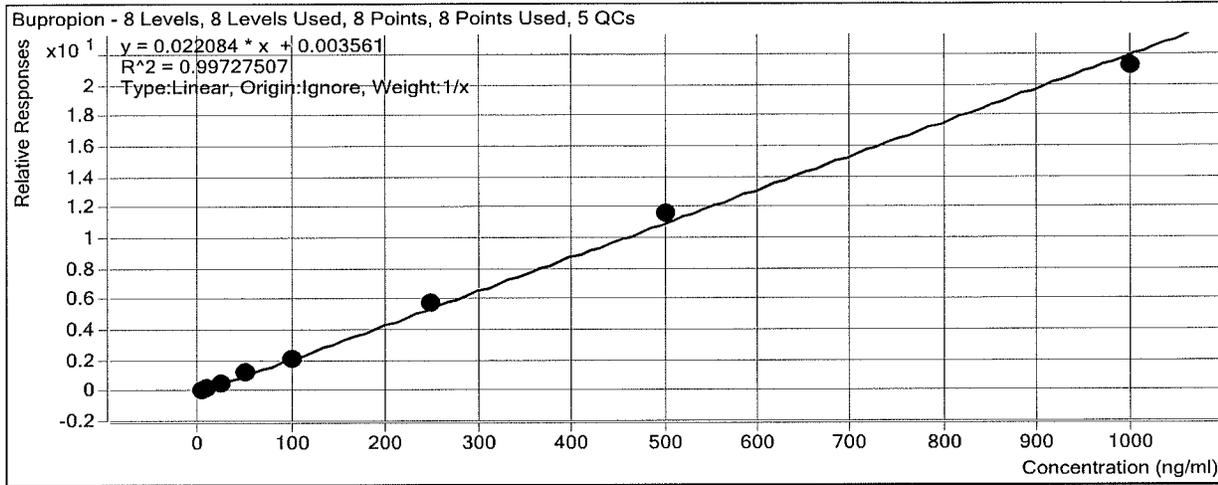
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1	1	<input checked="" type="checkbox"/>	5	5.1	102.2
a cal 2	2	<input checked="" type="checkbox"/>	10	9.1	90.6
a cal 2	2	<input checked="" type="checkbox"/>	10	9.1	90.6
b QC 10	2	<input checked="" type="checkbox"/>	10	11.9	118.6
a cal 3	3	<input checked="" type="checkbox"/>	25	27.8	111.3
a cal 4	4	<input checked="" type="checkbox"/>	50	50.0	100.0
a cal 5	5	<input checked="" type="checkbox"/>	100	98.4	98.4
a qc 100	5	<input checked="" type="checkbox"/>	100	119.8	119.8
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	106.5	106.5
a cal 6	6	<input checked="" type="checkbox"/>	250	249.0	99.6
a QC 250	6	<input checked="" type="checkbox"/>	250	248.8	99.5
a cal 7	7	<input checked="" type="checkbox"/>	500	478.5	95.7
a cal 8	8	<input checked="" type="checkbox"/>	1000	1022.0	102.2
a qc 1000	8	<input checked="" type="checkbox"/>	1000	897.7	89.8

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 MDQ Panel 1.batch.bin

**Last Calib Update** 2/17/2017 9:02 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1	1	<input checked="" type="checkbox"/>	5	4.2	84.1
a cal 2	2	<input checked="" type="checkbox"/>	10	10.1	100.8
a cal 2	2	<input checked="" type="checkbox"/>	10	10.1	100.8
b QC 10	2	<input checked="" type="checkbox"/>	10	10.7	107.0
a cal 3	3	<input checked="" type="checkbox"/>	25	24.4	97.4
a cal 4	4	<input checked="" type="checkbox"/>	50	57.4	114.8
a cal 5	5	<input checked="" type="checkbox"/>	100	97.3	97.3
a qc 100	5	<input checked="" type="checkbox"/>	100	105.7	105.7
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	103.3	103.3
a cal 6	6	<input checked="" type="checkbox"/>	250	260.8	104.3
a QC 250	6	<input checked="" type="checkbox"/>	250	240.8	96.3
a cal 7	7	<input checked="" type="checkbox"/>	500	526.5	105.3
a cal 8	8	<input checked="" type="checkbox"/>	1000	959.3	95.9
a qc 1000	8	<input checked="" type="checkbox"/>	1000	877.4	87.7

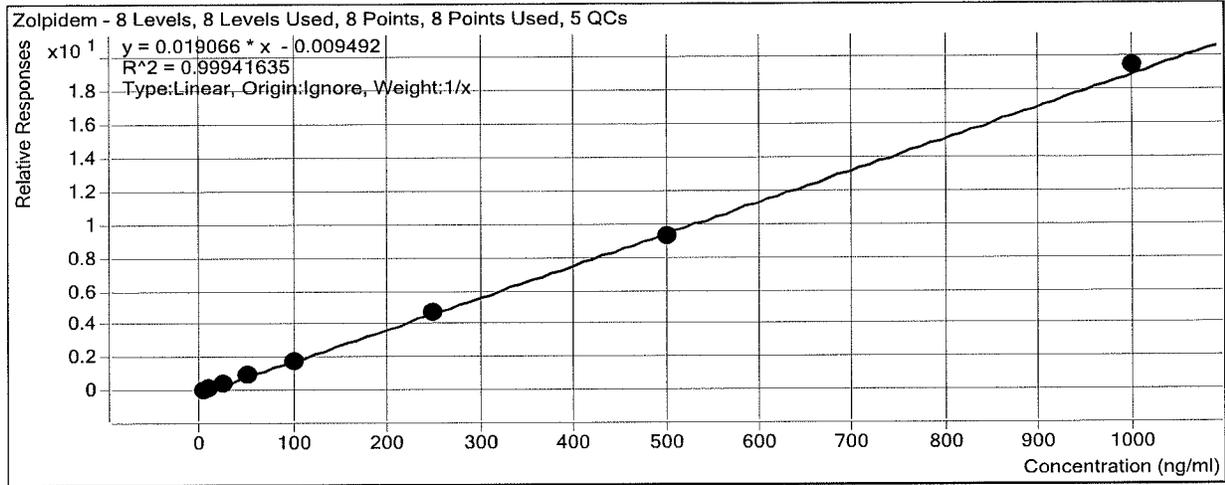
# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 MDQ Panel 1.batch.bin

**Last Calib Update** 2/17/2017 9:02 AM

**Analyst Name** ISP TOX

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



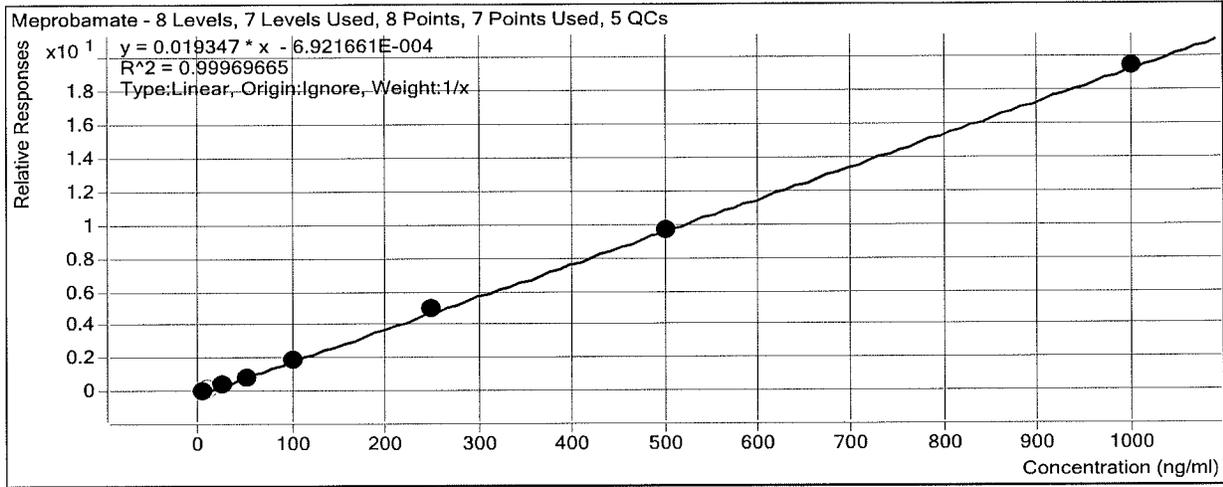
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1	1	<input checked="" type="checkbox"/>	5	5.2	103.2
a cal 2	2	<input checked="" type="checkbox"/>	10	10.6	105.8
a cal 2	2	<input checked="" type="checkbox"/>	10	10.6	105.8
b QC 10	2	<input checked="" type="checkbox"/>	10	11.8	118.1
a cal 3	3	<input checked="" type="checkbox"/>	25	23.8	95.3
a cal 4	4	<input checked="" type="checkbox"/>	50	51.0	102.0
a cal 5	5	<input checked="" type="checkbox"/>	100	95.6	95.6
a qc 100	5	<input checked="" type="checkbox"/>	100	113.4	113.4
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	111.2	111.2
a cal 6	6	<input checked="" type="checkbox"/>	250	246.4	98.6
a QC 250	6	<input checked="" type="checkbox"/>	250	249.4	99.8
a cal 7	7	<input checked="" type="checkbox"/>	500	487.9	97.6
a cal 8	8	<input checked="" type="checkbox"/>	1000	1019.6	102.0
a qc 1000	8	<input type="checkbox"/>	1000	1006.7	100.7

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 MDQ Panel 1.batch.bin

**Last Calib Update** 2/17/2017 9:02 AM **Analyst Name** ISP TOX

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



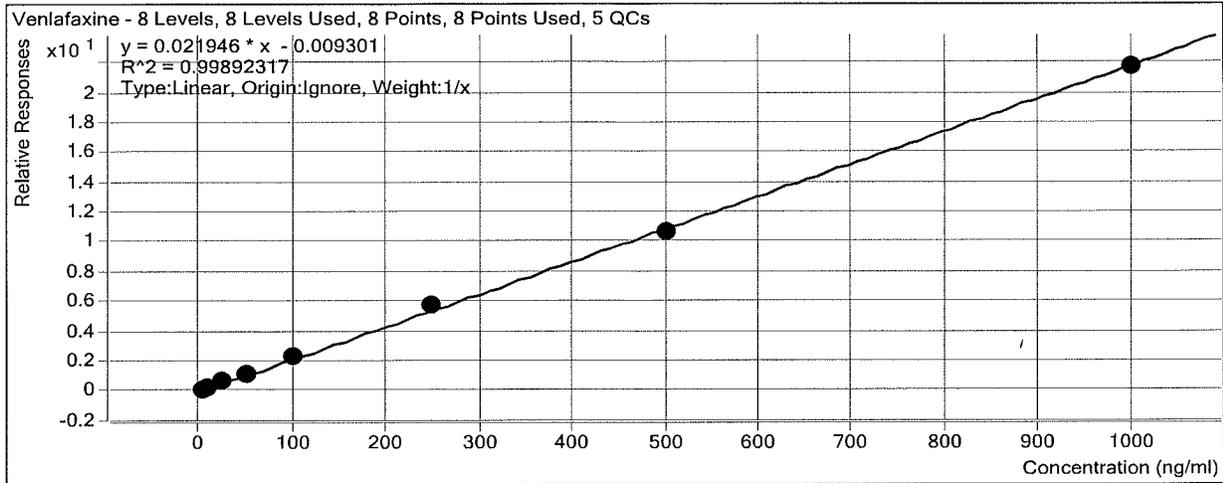
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1	1	<input checked="" type="checkbox"/>	5	5.6	112.4
a cal 2	2	<input type="checkbox"/>	10	9.3	92.8
a cal 2	2	<input type="checkbox"/>	10	9.3	92.8
b QC 10	2	<input checked="" type="checkbox"/>	10	10.1	100.7
a cal 3	3	<input checked="" type="checkbox"/>	25	23.4	93.7
a cal 4	4	<input checked="" type="checkbox"/>	50	47.6	95.1
a cal 5	5	<input checked="" type="checkbox"/>	100	96.6	96.6
a qc 100	5	<input checked="" type="checkbox"/>	100	102.8	102.8
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	101.6	101.6
a cal 6	6	<input checked="" type="checkbox"/>	250	255.3	102.1
a QC 250	6	<input checked="" type="checkbox"/>	250	270.7	108.3
a cal 7	7	<input checked="" type="checkbox"/>	500	499.0	99.8
a cal 8	8	<input checked="" type="checkbox"/>	1000	1002.5	100.2
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1044.0	104.4

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 MDQ Panel 1.batch.bin

**Last Calib Update** 2/17/2017 9:02 AM      **Analyst Name** ISP TOX

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



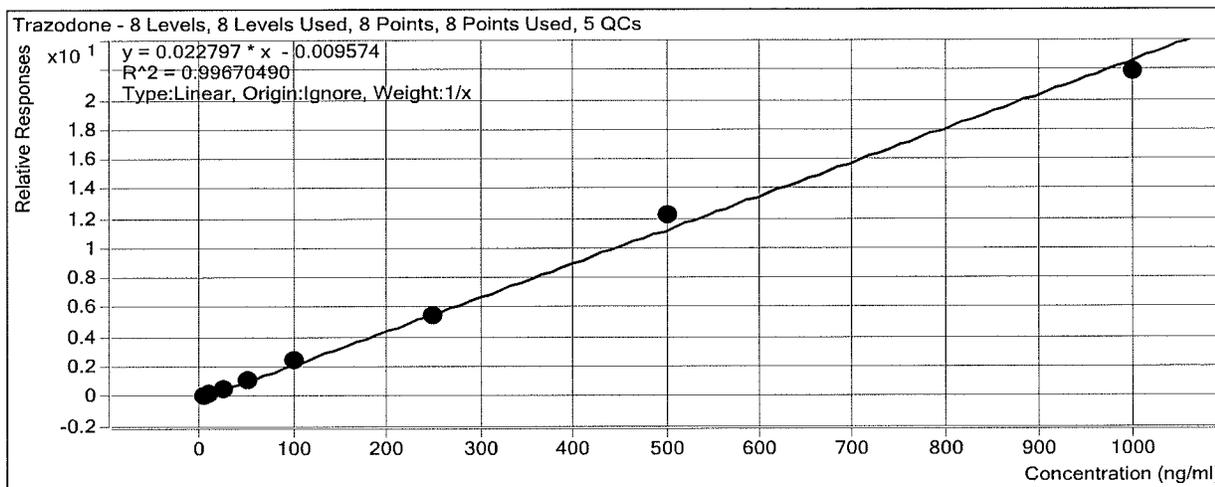
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1	1	<input checked="" type="checkbox"/>	5	4.9	97.2
a cal 2	2	<input checked="" type="checkbox"/>	10	8.3	82.9
a cal 2	2	<input checked="" type="checkbox"/>	10	8.3	82.9
b QC 10	2	<input checked="" type="checkbox"/>	10	11.7	116.9
a cal 3	3	<input checked="" type="checkbox"/>	25	26.8	107.3
a cal 4	4	<input checked="" type="checkbox"/>	50	52.2	104.4
a cal 5	5	<input checked="" type="checkbox"/>	100	106.1	106.1
a qc 100	5	<input checked="" type="checkbox"/>	100	103.2	103.2
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	116.4	116.4
a cal 6	6	<input checked="" type="checkbox"/>	250	263.0	105.2
a QC 250	6	<input checked="" type="checkbox"/>	250	264.4	105.8
a cal 7	7	<input checked="" type="checkbox"/>	500	489.6	97.9
a cal 8	8	<input checked="" type="checkbox"/>	1000	989.1	98.9
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1127.8	112.8

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 MDQ Panel 1.batch.bin

**Last Calib Update** 2/17/2017 9:02 AM **Analyst Name** ISP TOX

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



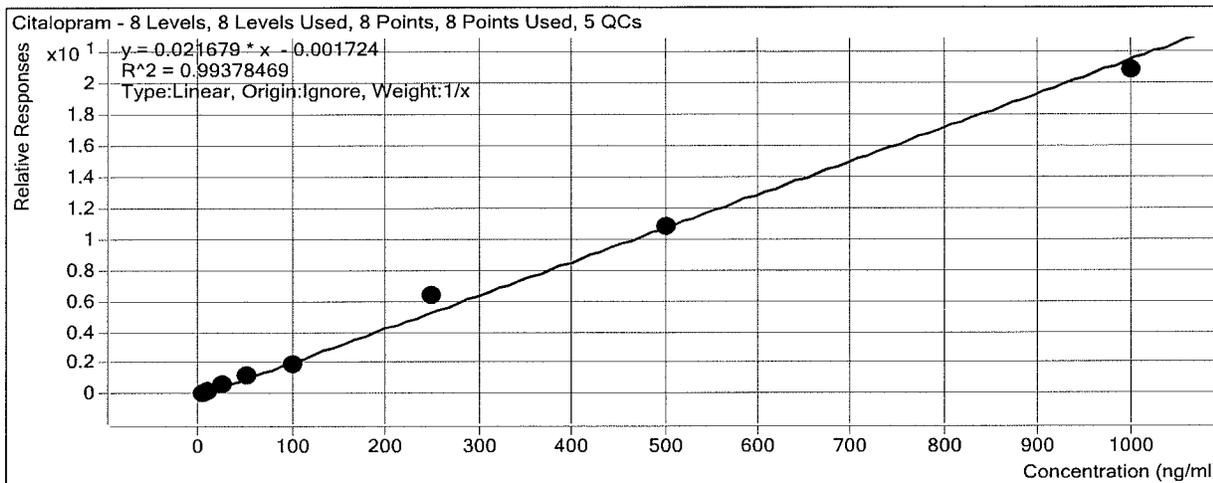
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1	1	<input checked="" type="checkbox"/>	5	4.9	97.3
a cal 2	2	<input checked="" type="checkbox"/>	10	9.4	94.1
a cal 2	2	<input checked="" type="checkbox"/>	10	9.4	94.1
b QC 10	2	<input checked="" type="checkbox"/>	10	11.4	113.6
a cal 3	3	<input checked="" type="checkbox"/>	25	24.5	97.9
a cal 4	4	<input checked="" type="checkbox"/>	50	51.0	102.0
a cal 5	5	<input checked="" type="checkbox"/>	100	107.2	107.2
a qc 100	5	<input checked="" type="checkbox"/>	100	117.8	117.8
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	117.7	117.7
a cal 6	6	<input checked="" type="checkbox"/>	250	243.1	97.2
a QC 250	6	<input checked="" type="checkbox"/>	250	266.0	106.4
a cal 7	7	<input checked="" type="checkbox"/>	500	541.1	108.2
a cal 8	8	<input checked="" type="checkbox"/>	1000	958.8	95.9
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1071.5	107.1

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 MDQ Panel 1.batch.bin

**Last Calib Update** 2/17/2017 9:02 AM **Analyst Name** ISP TOX

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



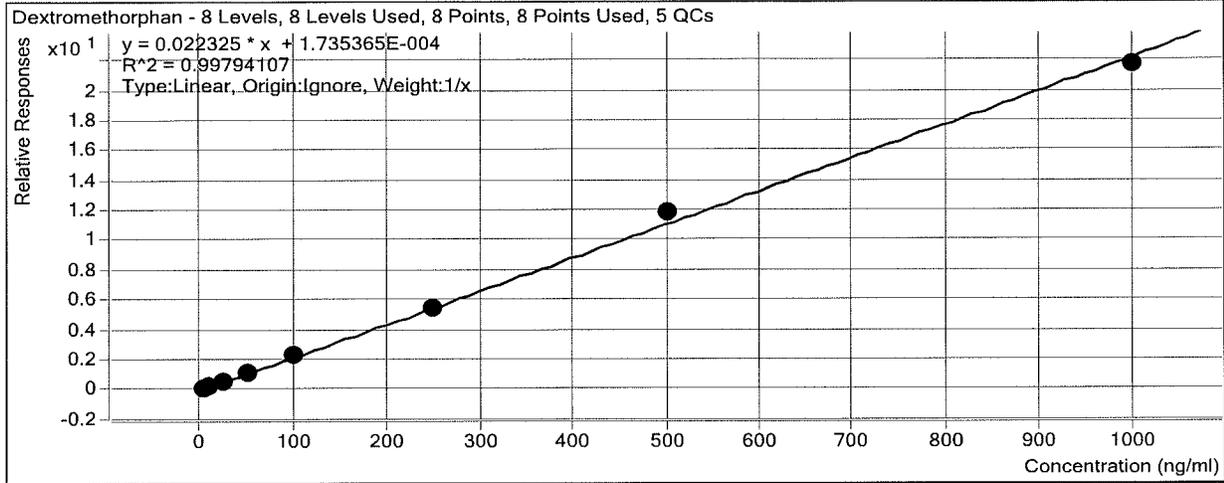
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1	1	<input checked="" type="checkbox"/>	5	5.1	101.4
a cal 2	2	<input checked="" type="checkbox"/>	10	8.3	82.8
a cal 2	2	<input checked="" type="checkbox"/>	10	8.3	82.8
b QC 10	2	<input checked="" type="checkbox"/>	10	11.6	115.7
a cal 3	3	<input checked="" type="checkbox"/>	25	26.5	106.0
a cal 4	4	<input checked="" type="checkbox"/>	50	53.3	106.7
a cal 5	5	<input checked="" type="checkbox"/>	100	88.8	88.8
a qc 100	5	<input checked="" type="checkbox"/>	100	114.8	114.8
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	114.2	114.2
a cal 6	6	<input checked="" type="checkbox"/>	250	293.9	117.5
a QC 250	6	<input checked="" type="checkbox"/>	250	273.1	109.3
a cal 7	7	<input checked="" type="checkbox"/>	500	502.9	100.6
a cal 8	8	<input checked="" type="checkbox"/>	1000	961.2	96.1
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1036.9	103.7

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 MDQ Panel 1.batch.bin

**Last Calib Update** 2/17/2017 9:02 AM **Analyst Name** ISP TOX

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



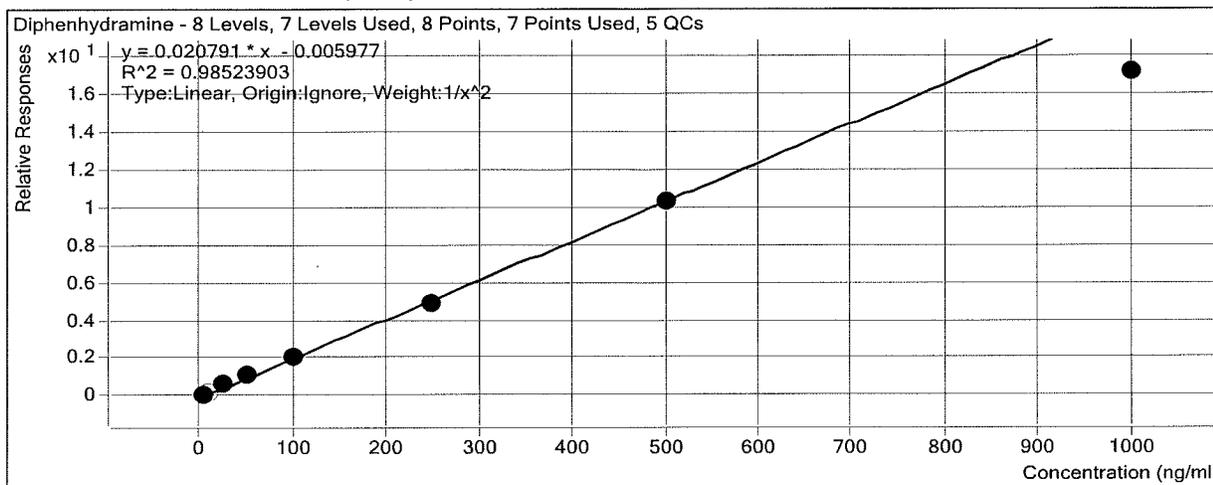
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1	1	<input checked="" type="checkbox"/>	5	5.1	101.7
a cal 2	2	<input checked="" type="checkbox"/>	10	9.1	91.2
a cal 2	2	<input checked="" type="checkbox"/>	10	9.1	91.2
b QC 10	2	<input checked="" type="checkbox"/>	10	12.1	120.9
a cal 3	3	<input checked="" type="checkbox"/>	25	25.5	101.8
a cal 4	4	<input checked="" type="checkbox"/>	50	50.9	101.8
a cal 5	5	<input checked="" type="checkbox"/>	100	102.9	102.9
a qc 100	5	<input checked="" type="checkbox"/>	100	103.6	103.6
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	115.6	115.6
a cal 6	6	<input checked="" type="checkbox"/>	250	241.7	96.7
a QC 250	6	<input checked="" type="checkbox"/>	250	261.2	104.5
a cal 7	7	<input checked="" type="checkbox"/>	500	534.2	106.8
a cal 8	8	<input checked="" type="checkbox"/>	1000	970.7	97.1
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1023.6	102.4

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 MDQ Panel 1.batch.bin

**Last Calib Update** 2/17/2017 9:02 AM **Analyst Name** ISP TOX

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



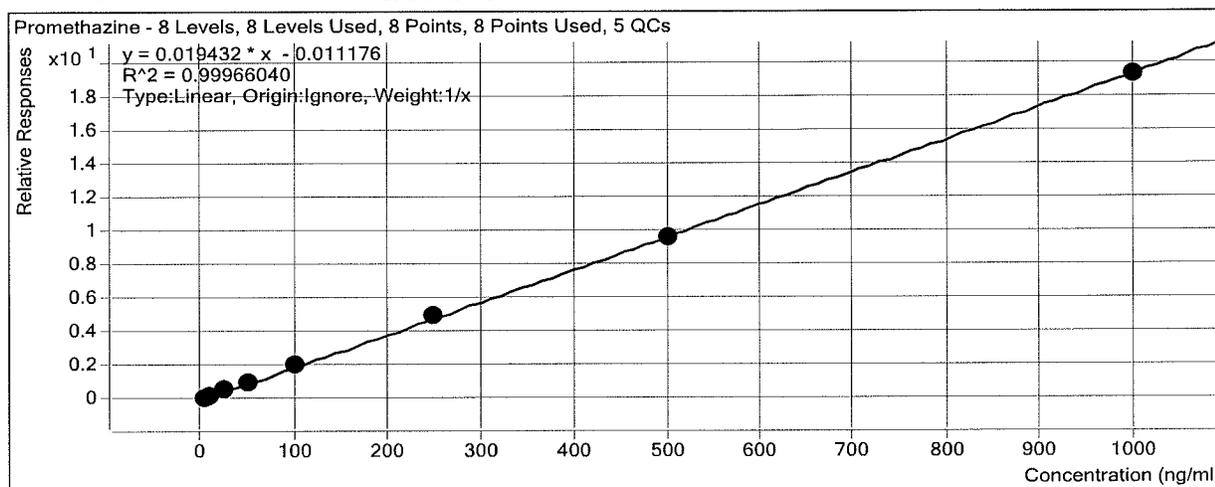
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1	1	<input checked="" type="checkbox"/>	5	4.8	95.6
a cal 2	2	<input type="checkbox"/>	10	8.6	85.8
a cal 2	2	<input type="checkbox"/>	10	8.6	85.8
b QC 10	2	<input checked="" type="checkbox"/>	10	12.1	121.5
a cal 3	3	<input checked="" type="checkbox"/>	25	29.8	119.3
a cal 4	4	<input checked="" type="checkbox"/>	50	53.3	106.6
a cal 5	5	<input checked="" type="checkbox"/>	100	101.4	101.4
a qc 100	5	<input checked="" type="checkbox"/>	100	119.2	119.2
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	117.2	117.2
a cal 6	6	<input checked="" type="checkbox"/>	250	237.2	94.9
a QC 250	6	<input checked="" type="checkbox"/>	250	235.8	94.3
a cal 7	7	<input checked="" type="checkbox"/>	500	499.0	99.8
a cal 8	8	<input checked="" type="checkbox"/>	1000	823.8	82.4
a qc 1000	8	<input checked="" type="checkbox"/>	1000	914.1	91.4

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 MDQ Panel 1.batch.bin

**Last Calib Update** 2/17/2017 9:02 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1	1	<input checked="" type="checkbox"/>	5	4.5	90.1
a cal 2	2	<input checked="" type="checkbox"/>	10	9.5	94.6
a cal 2	2	<input checked="" type="checkbox"/>	10	9.5	94.6
b QC 10	2	<input checked="" type="checkbox"/>	10	11.1	111.4
a cal 3	3	<input checked="" type="checkbox"/>	25	26.6	106.3
a cal 4	4	<input checked="" type="checkbox"/>	50	52.5	105.1
a cal 5	5	<input checked="" type="checkbox"/>	100	103.4	103.4
a qc 100	5	<input checked="" type="checkbox"/>	100	112.2	112.2
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	114.6	114.6
a cal 6	6	<input checked="" type="checkbox"/>	250	254.7	101.9
a QC 250	6	<input checked="" type="checkbox"/>	250	251.8	100.7
a cal 7	7	<input checked="" type="checkbox"/>	500	497.7	99.5
a cal 8	8	<input checked="" type="checkbox"/>	1000	991.1	99.1
a qc 1000	8	<input checked="" type="checkbox"/>	1000	990.0	99.0

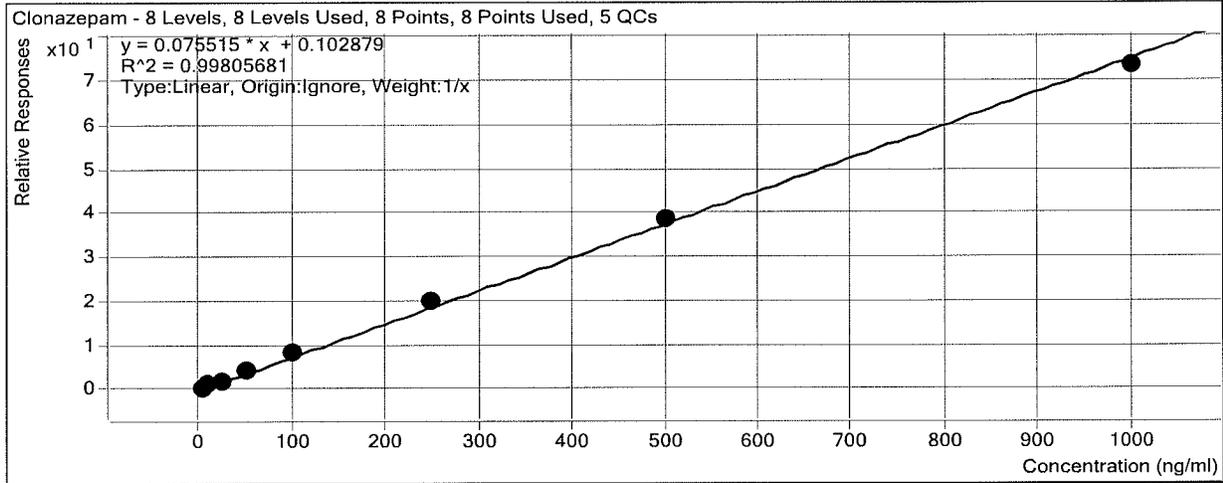
# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 MDQ Panel 1.batch.bin

**Last Calib Update** 2/17/2017 9:02 AM

**Analyst Name** ISP TOX

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



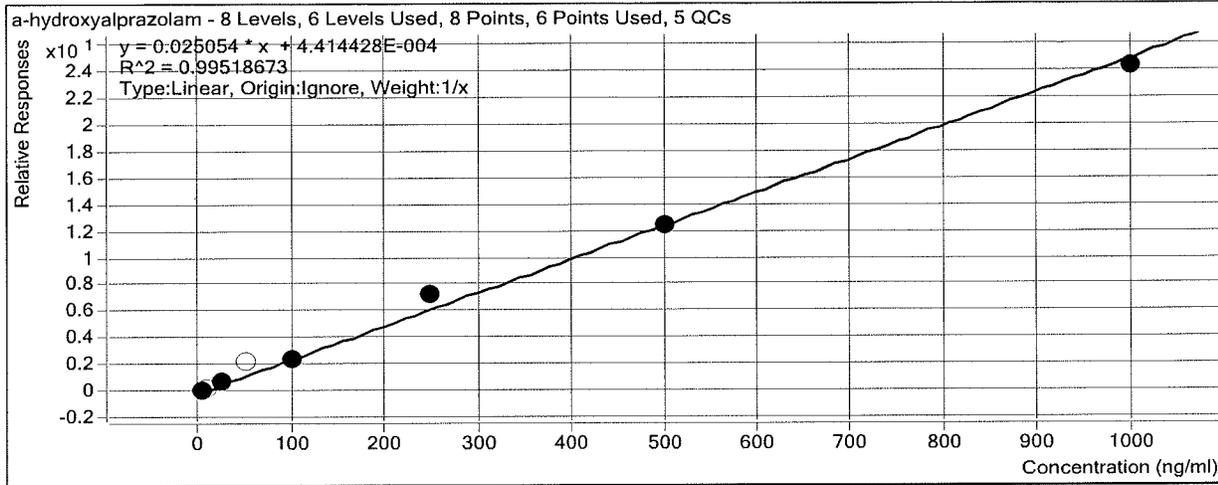
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1	1	<input checked="" type="checkbox"/>	5	4.0	80.5
a cal 2	2	<input checked="" type="checkbox"/>	10	11.8	117.9
a cal 2	2	<input checked="" type="checkbox"/>	10	11.8	117.9
b QC 10	2	<input checked="" type="checkbox"/>	10	9.4	94.3
a cal 3	3	<input checked="" type="checkbox"/>	25	20.9	83.6
a cal 4	4	<input checked="" type="checkbox"/>	50	53.6	107.2
a cal 5	5	<input checked="" type="checkbox"/>	100	107.4	107.4
a qc 100	5	<input checked="" type="checkbox"/>	100	108.6	108.6
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	100.1	100.1
a cal 6	6	<input checked="" type="checkbox"/>	250	259.8	103.9
a QC 250	6	<input checked="" type="checkbox"/>	250	250.6	100.2
a cal 7	7	<input checked="" type="checkbox"/>	500	511.1	102.2
a cal 8	8	<input checked="" type="checkbox"/>	1000	971.3	97.1
a qc 1000	8	<input checked="" type="checkbox"/>	1000	902.8	90.3

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 MDQ Panel 1.batch.bin

**Last Calib Update** 2/17/2017 9:02 AM      **Analyst Name** ISP TOX

**Target Compound** *a-hydroxyalprazolam*  
**Internal Standard** *a-hydroxyalprazolam-D5*



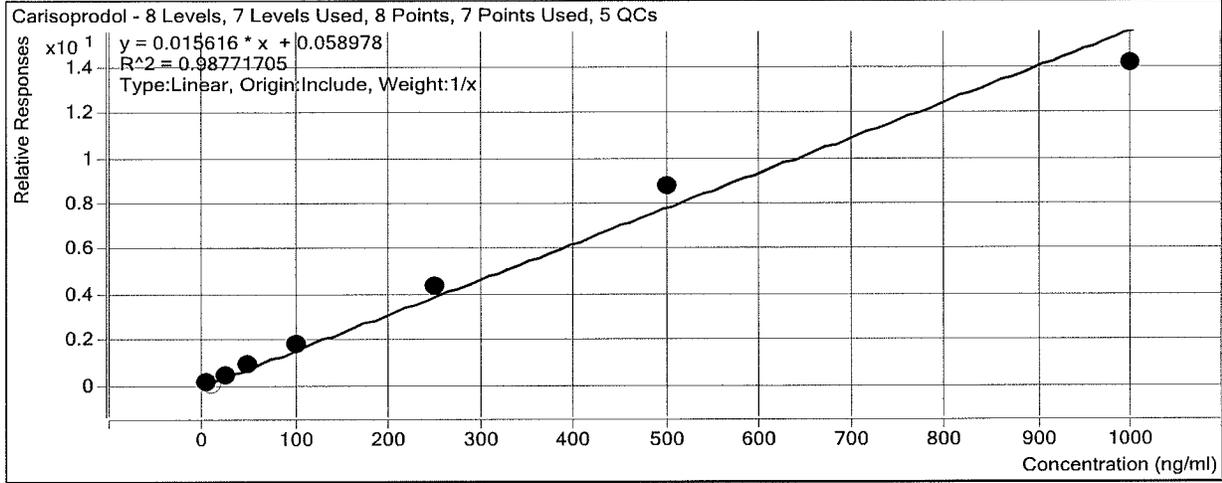
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1	1	<input checked="" type="checkbox"/>	5	3.9	77.9
a cal 2	2	<input type="checkbox"/>	10	8.1	81.2
a cal 2	2	<input type="checkbox"/>	10	8.1	81.2
b QC 10	2	<input type="checkbox"/>	10	10.0	100.3
a cal 3	3	<input checked="" type="checkbox"/>	25	28.9	115.6
a cal 4	4	<input type="checkbox"/>	50	85.9	171.8
a cal 5	5	<input checked="" type="checkbox"/>	100	95.0	95.0
a qc 100	5	<input type="checkbox"/>	100	108.9	108.9
a qc 100 2nd	5	<input type="checkbox"/>	100	103.7	103.7
a cal 6	6	<input checked="" type="checkbox"/>	250	289.5	115.8
a QC 250	6	<input checked="" type="checkbox"/>	250	286.7	114.7
a cal 7	7	<input checked="" type="checkbox"/>	500	494.4	98.9
a cal 8	8	<input checked="" type="checkbox"/>	1000	968.3	96.8
a qc 1000	8	<input checked="" type="checkbox"/>	1000	966.4	96.6

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 MDQ Panel 1.batch.bin

**Last Calib Update** 2/17/2017 9:02 AM **Analyst Name** ISP TOX

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



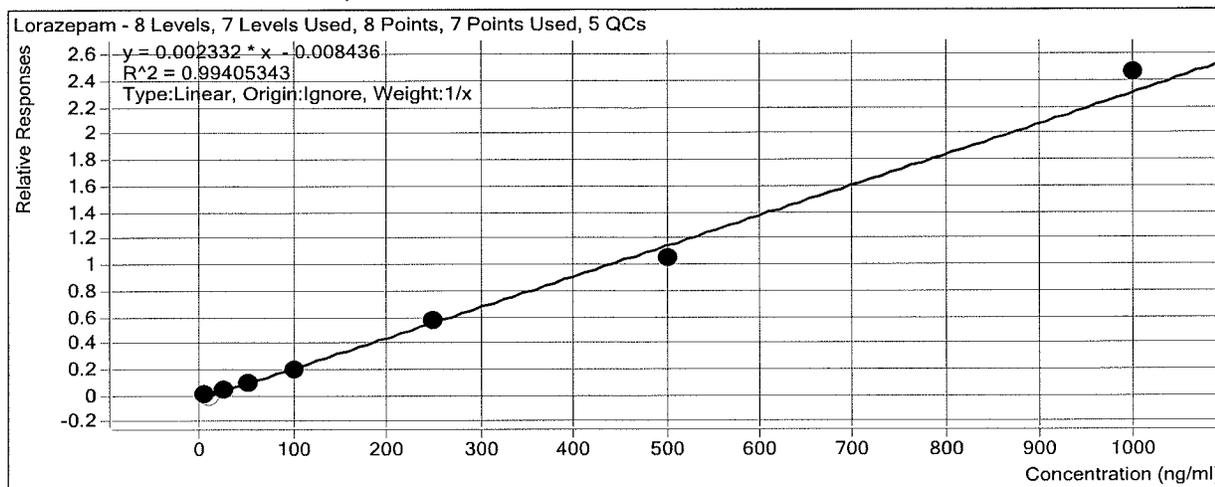
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1	1	<input checked="" type="checkbox"/>	5	3.6	72.1
a cal 2	2	<input type="checkbox"/>	10	1.4	14.1
a cal 2	2	<input type="checkbox"/>	10	1.4	14.1
b QC 10	2	<input checked="" type="checkbox"/>	10	8.3	83.0
a cal 3	3	<input checked="" type="checkbox"/>	25	23.4	93.4
a cal 4	4	<input checked="" type="checkbox"/>	50	55.8	111.6
a cal 5	5	<input checked="" type="checkbox"/>	100	110.3	110.3
a qc 100	5	<input checked="" type="checkbox"/>	100	113.9	113.9
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	119.7	119.7
a cal 6	6	<input checked="" type="checkbox"/>	250	276.7	110.7
a QC 250	6	<input checked="" type="checkbox"/>	250	258.5	103.4
a cal 7	7	<input checked="" type="checkbox"/>	500	559.0	111.8
a cal 8	8	<input checked="" type="checkbox"/>	1000	901.2	90.1
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1106.1	110.6

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 MDQ Panel 1.batch.bin

**Last Calib Update** 2/17/2017 9:02 AM **Analyst Name** ISP TOX

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



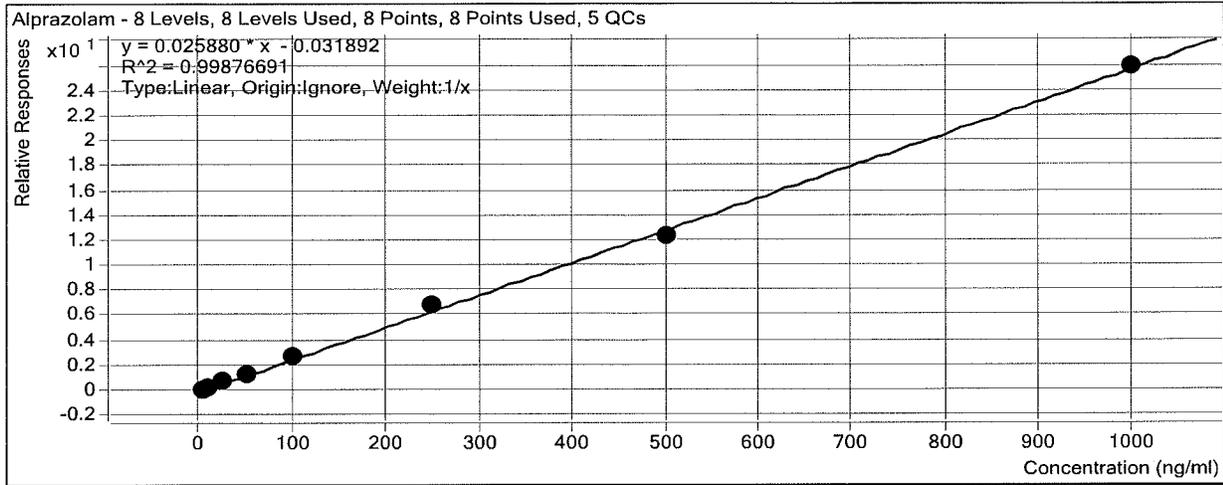
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1	1	<input checked="" type="checkbox"/>	5	6.2	123.5
a cal 2	2	<input type="checkbox"/>	10	4.3	43.1
a cal 2	2	<input type="checkbox"/>	10	4.3	43.1
b QC 10	2	<input checked="" type="checkbox"/>	10	11.3	113.0
a cal 3	3	<input checked="" type="checkbox"/>	25	26.5	106.1
a cal 4	4	<input checked="" type="checkbox"/>	50	42.0	83.9
a cal 5	5	<input checked="" type="checkbox"/>	100	88.7	88.7
a qc 100	5	<input checked="" type="checkbox"/>	100	87.3	87.3
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	85.6	85.6
a cal 6	6	<input checked="" type="checkbox"/>	250	251.7	100.7
a QC 250	6	<input checked="" type="checkbox"/>	250	209.2	83.7
a cal 7	7	<input checked="" type="checkbox"/>	500	455.3	91.1
a cal 8	8	<input checked="" type="checkbox"/>	1000	1059.6	106.0
a qc 1000	8	<input type="checkbox"/>	1000	992.5	99.2

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 MDQ Panel 1.batch.bin

**Last Calib Update** 2/17/2017 9:02 AM      **Analyst Name** ISP TOX

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



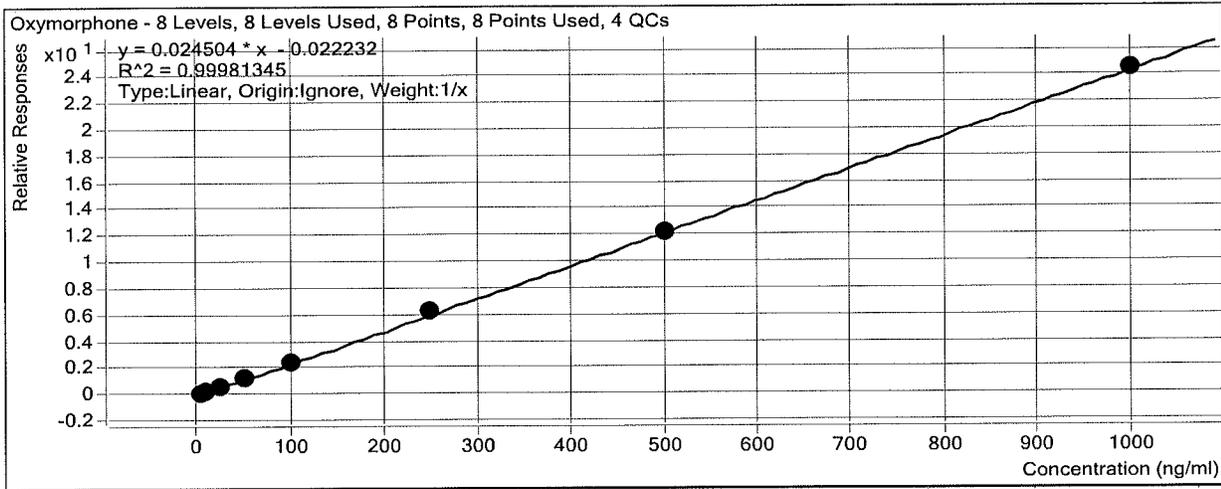
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1	1	<input checked="" type="checkbox"/>	5	4.4	87.9
a cal 2	2	<input checked="" type="checkbox"/>	10	9.9	99.2
a cal 2	2	<input checked="" type="checkbox"/>	10	9.9	99.2
b QC 10	2	<input checked="" type="checkbox"/>	10	12.4	124.1
a cal 3	3	<input checked="" type="checkbox"/>	25	26.0	104.0
a cal 4	4	<input checked="" type="checkbox"/>	50	51.7	103.5
a cal 5	5	<input checked="" type="checkbox"/>	100	103.3	103.3
a qc 100	5	<input checked="" type="checkbox"/>	100	113.5	113.5
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	114.1	114.1
a cal 6	6	<input checked="" type="checkbox"/>	250	265.7	106.3
a QC 250	6	<input checked="" type="checkbox"/>	250	257.6	103.1
a cal 7	7	<input checked="" type="checkbox"/>	500	478.6	95.7
a cal 8	8	<input checked="" type="checkbox"/>	1000	1000.4	100.0
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1027.2	102.7

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 mdq panel 1b.batch.bin

**Last Calib Update** 2/16/2017 1:40 PM      **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1	1	<input checked="" type="checkbox"/>	5	5.5	109.0
b cal 2	2	<input checked="" type="checkbox"/>	10	9.5	95.3
b cal 2	2	<input checked="" type="checkbox"/>	10	9.5	95.3
b cal 3	3	<input checked="" type="checkbox"/>	25	24.2	96.8
b cal 4	4	<input checked="" type="checkbox"/>	50	49.9	99.8
b cal 5	5	<input checked="" type="checkbox"/>	100	97.2	97.2
b qc 100	5	<input checked="" type="checkbox"/>	100	105.0	105.0
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	103.8	103.8
b cal 6	6	<input checked="" type="checkbox"/>	250	256.0	102.4
b QC 250	6	<input checked="" type="checkbox"/>	250	254.3	101.7
b cal 7	7	<input checked="" type="checkbox"/>	500	496.9	99.4
b cal 8	8	<input checked="" type="checkbox"/>	1000	1000.8	100.1
b qc 1000	8	<input type="checkbox"/>	1000	992.5	99.3

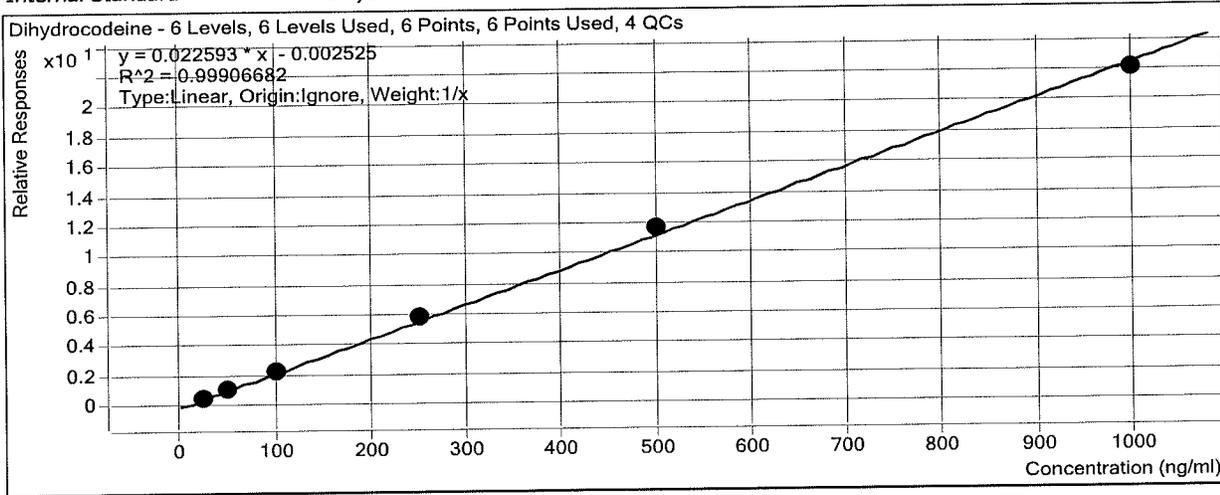
5+

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 mdq panel 1b.batch.bin

**Last Calib Update** 2/16/2017 1:40 PM      **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1	1	<input type="checkbox"/>	5	0.0	0.0
b cal 2	2	<input type="checkbox"/>	10	0.0	0.0
b cal 2	2	<input type="checkbox"/>	10	0.0	0.0
b cal 3	3	<input checked="" type="checkbox"/>	25	24.6	98.6
b cal 4	4	<input checked="" type="checkbox"/>	50	48.5	97.0
b cal 5	5	<input checked="" type="checkbox"/>	100	100.5	100.5
b qc 100	5	<input checked="" type="checkbox"/>	100	111.2	111.2
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	110.0	110.0
b cal 6	6	<input checked="" type="checkbox"/>	250	257.2	102.9
b QC 250	6	<input checked="" type="checkbox"/>	250	261.7	104.7
b cal 7	7	<input checked="" type="checkbox"/>	500	517.1	103.4
b cal 8	8	<input checked="" type="checkbox"/>	1000	977.2	97.7
b qc 1000	8	<input type="checkbox"/>	1000	930.1	93.0

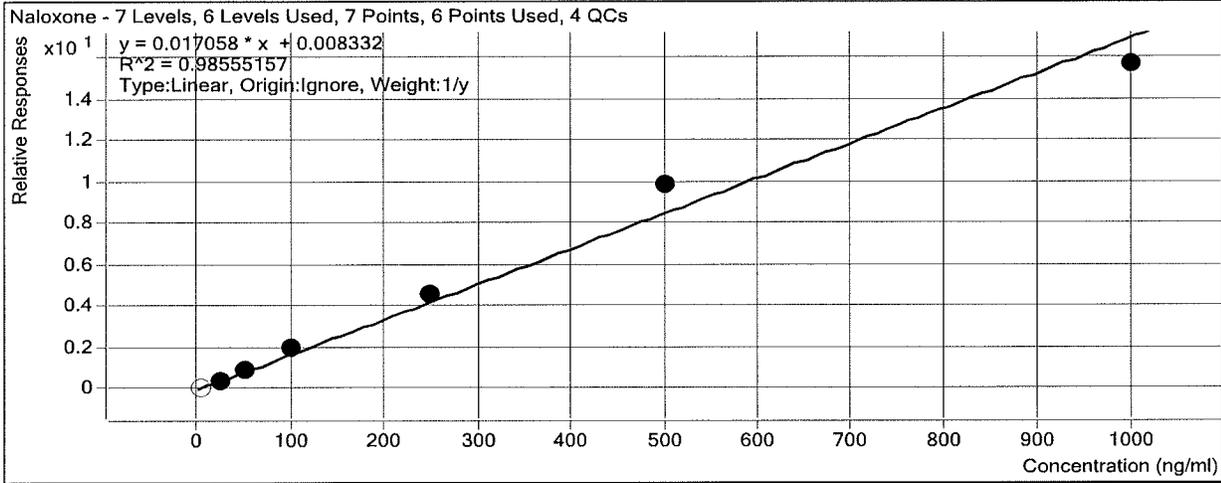
administrative  
cutoff 25ng + \*

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 mdq panel 1b.batch.bin

**Last Calib Update** 2/16/2017 1:40 PM      **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1	1	<input type="checkbox"/>	5	2.1	42.7
b cal 3	3	<input checked="" type="checkbox"/>	25	20.3	81.0
b cal 4	4	<input checked="" type="checkbox"/>	50	49.1	98.1
b cal 5	5	<input checked="" type="checkbox"/>	100	115.9	115.9
b qc 100	5	<input checked="" type="checkbox"/>	100	124.6	124.6
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	110.6	110.6
b cal 6	6	<input checked="" type="checkbox"/>	250	268.8	107.5
b QC 250	6	<input checked="" type="checkbox"/>	250	276.3	110.5
b cal 7	7	<input checked="" type="checkbox"/>	500	575.6	115.1
b cal 8	8	<input checked="" type="checkbox"/>	1000	917.3	91.7
b qc 1000	8	<input type="checkbox"/>	1000	1030.0	103.0

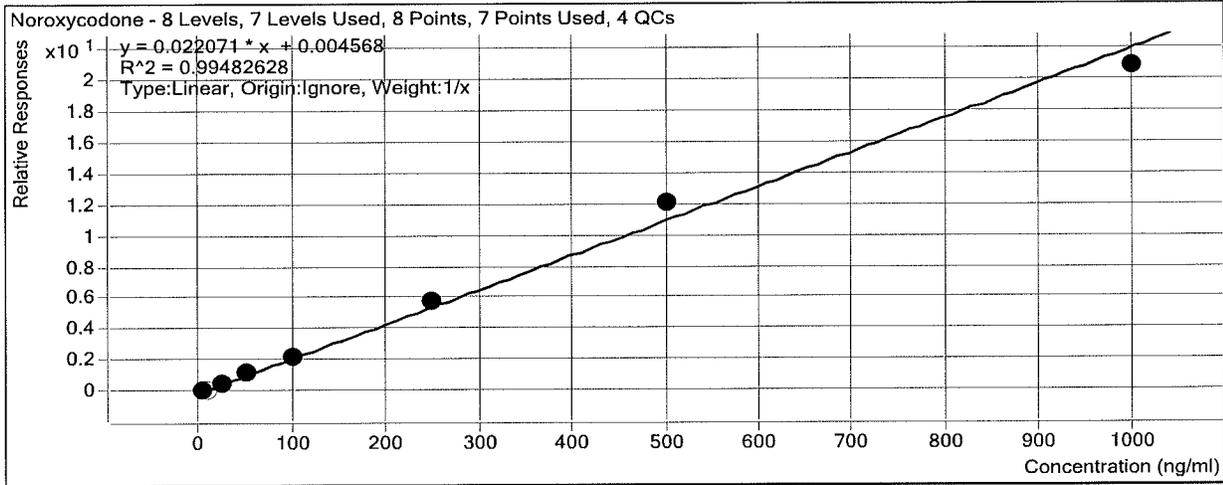
Administrative cut off  
25 ng +

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 mdq panel 1b.batch.bin

**Last Calib Update** 2/16/2017 1:40 PM **Analyst Name** ISP TOX

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



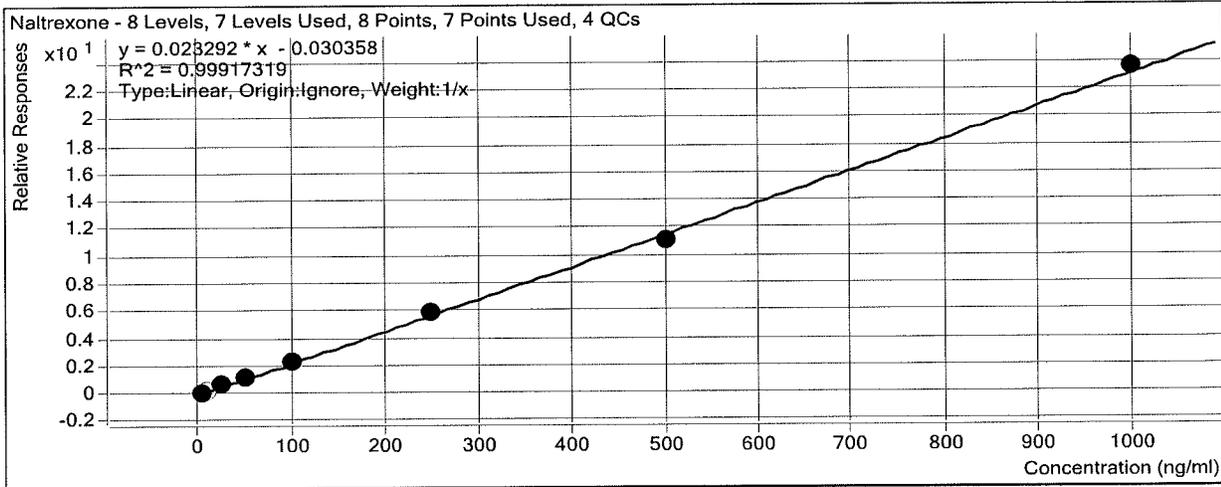
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1	1	<input checked="" type="checkbox"/>	5	4.8	95.4
b cal 2	2	<input type="checkbox"/>	10	5.2	52.1
b cal 2	2	<input type="checkbox"/>	10	5.2	52.1
b cal 3	3	<input checked="" type="checkbox"/>	25	23.9	95.5
b cal 4	4	<input checked="" type="checkbox"/>	50	51.5	103.0
b cal 5	5	<input checked="" type="checkbox"/>	100	96.6	96.6
b qc 100	5	<input checked="" type="checkbox"/>	100	112.0	112.0
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	104.8	104.8
b cal 6	6	<input checked="" type="checkbox"/>	250	264.7	105.9
b QC 250	6	<input checked="" type="checkbox"/>	250	262.1	104.8
b cal 7	7	<input checked="" type="checkbox"/>	500	547.7	109.5
b cal 8	8	<input checked="" type="checkbox"/>	1000	940.9	94.1
b qc 1000	8	<input type="checkbox"/>	1000	856.9	85.7

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 mdq panel 1b.batch.bin

**Last Calib Update** 2/16/2017 1:40 PM      **Analyst Name** ISP TOX

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



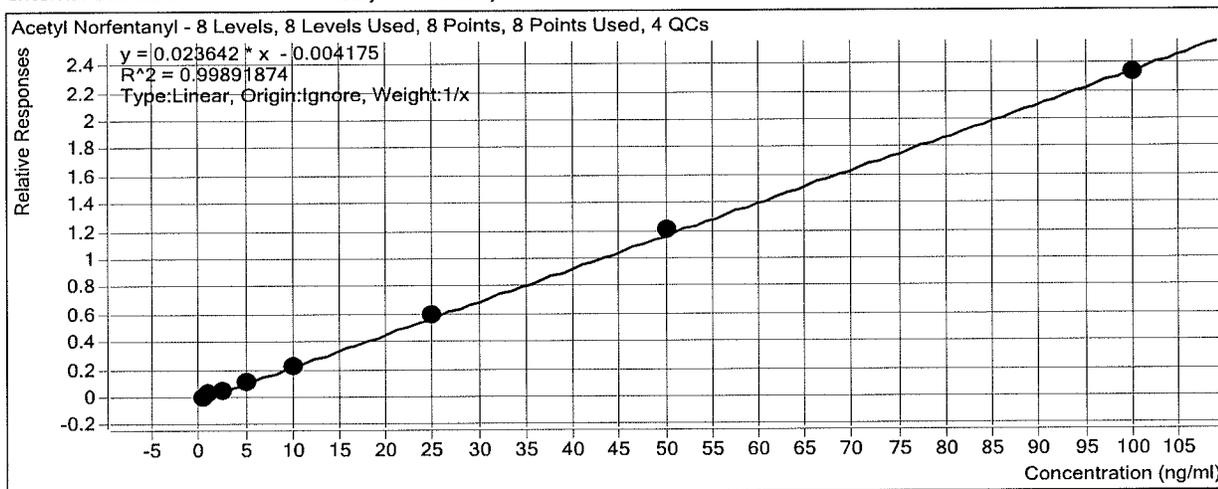
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1	1	<input checked="" type="checkbox"/>	5	4.6	91.1
b cal 2	2	<input type="checkbox"/>	10	8.6	85.5
b cal 2	2	<input type="checkbox"/>	10	8.6	85.5
b cal 3	3	<input checked="" type="checkbox"/>	25	27.0	108.0
b cal 4	4	<input checked="" type="checkbox"/>	50	50.4	100.8
b cal 5	5	<input checked="" type="checkbox"/>	100	101.2	101.2
b qc 100	5	<input checked="" type="checkbox"/>	100	111.8	111.8
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	107.6	107.6
b cal 6	6	<input checked="" type="checkbox"/>	250	254.6	101.9
b QC 250	6	<input checked="" type="checkbox"/>	250	250.1	100.1
b cal 7	7	<input checked="" type="checkbox"/>	500	478.2	95.6
b cal 8	8	<input checked="" type="checkbox"/>	1000	1014.0	101.4
b qc 1000	8	<input type="checkbox"/>	1000	909.0	90.9

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 mdq panel 1b.batch.bin

**Last Calib Update** 2/16/2017 1:40 PM **Analyst Name** ISP TOX

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



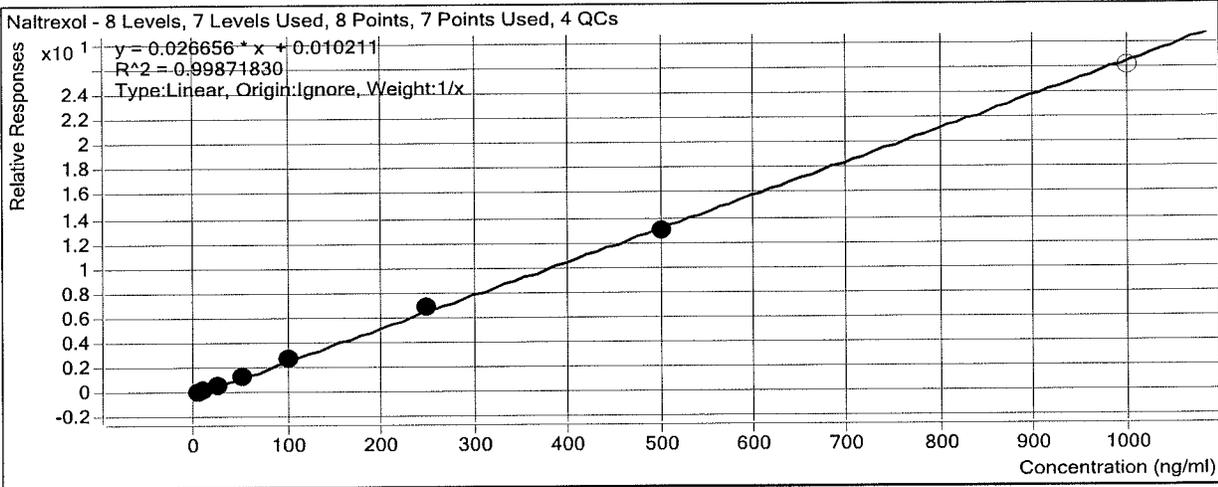
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1	1	<input checked="" type="checkbox"/>	0.5	0.4	84.4
b cal 2	2	<input checked="" type="checkbox"/>	1	1.3	126.7
b QC 10	2	<input type="checkbox"/>	1	0.0	0.0
b cal 3	3	<input checked="" type="checkbox"/>	2.5	2.4	96.9
b cal 4	4	<input checked="" type="checkbox"/>	5	4.7	93.8
b cal 5	5	<input checked="" type="checkbox"/>	10	9.5	95.0
b qc 100	5	<input checked="" type="checkbox"/>	10	10.6	106.4
b qc 100 2nd	5	<input checked="" type="checkbox"/>	10	10.4	104.5
b cal 6	6	<input checked="" type="checkbox"/>	25	25.3	101.3
b QC 250	6	<input checked="" type="checkbox"/>	25	26.0	103.9
b cal 7	7	<input checked="" type="checkbox"/>	50	51.5	103.0
b cal 8	8	<input checked="" type="checkbox"/>	100	98.9	98.9
b qc 1000	8	<input checked="" type="checkbox"/>	100	110.0	110.0

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 mdq panel 1b.batch.bin

**Last Calib Update** 2/16/2017 1:40 PM      **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1	1	<input checked="" type="checkbox"/>	5	4.3	86.0
b cal 2	2	<input checked="" type="checkbox"/>	10	10.9	109.2
b cal 2	2	<input checked="" type="checkbox"/>	10	10.9	109.2
b cal 3	3	<input checked="" type="checkbox"/>	25	24.3	97.4
b cal 4	4	<input checked="" type="checkbox"/>	50	51.7	103.5
b cal 5	5	<input checked="" type="checkbox"/>	100	102.9	102.9
b qc 100	5	<input checked="" type="checkbox"/>	100	114.9	114.9
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	112.4	112.4
b cal 6	6	<input checked="" type="checkbox"/>	250	259.2	103.7
b QC 250	6	<input checked="" type="checkbox"/>	250	253.5	101.4
b cal 7	7	<input checked="" type="checkbox"/>	500	486.6	97.3
b cal 8	8	<input type="checkbox"/>	1000	978.7	97.9
b qc 1000	8	<input type="checkbox"/>	1000	907.9	90.8

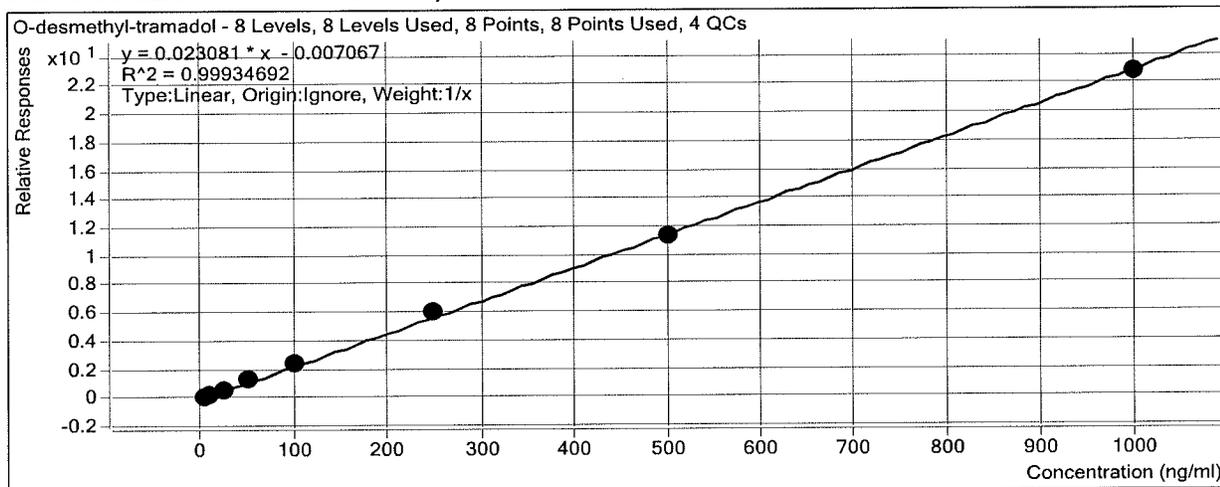
# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 mdq panel 1b.batch.bin

**Last Calib Update** 2/16/2017 1:40 PM      **Analyst Name** ISP TOX

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

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



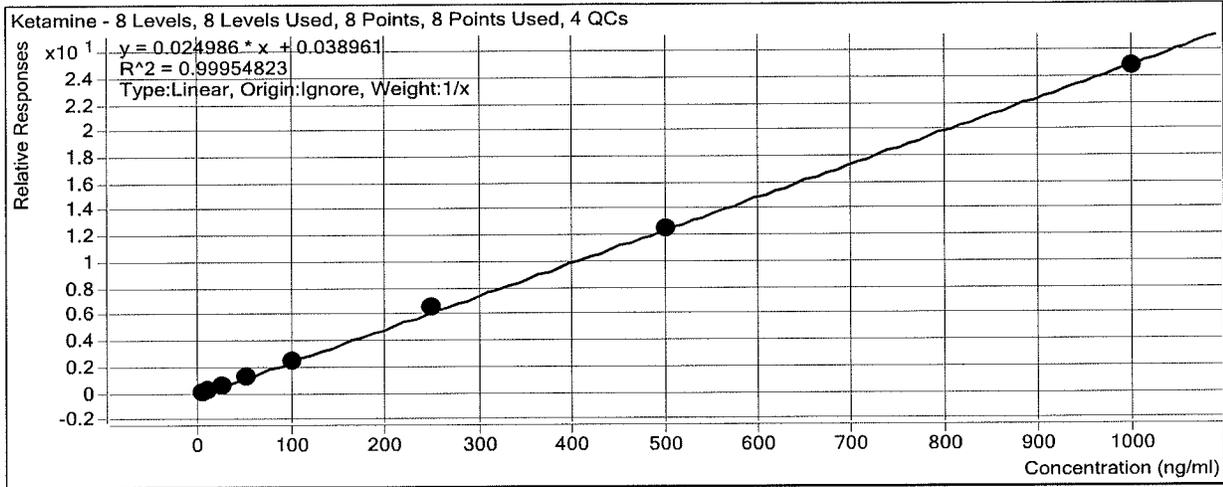
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1	1	<input checked="" type="checkbox"/>	5	5.0	99.9
b cal 2	2	<input checked="" type="checkbox"/>	10	8.5	85.2
b cal 2	2	<input checked="" type="checkbox"/>	10	8.5	85.2
b cal 3	3	<input checked="" type="checkbox"/>	25	25.7	102.8
b cal 4	4	<input checked="" type="checkbox"/>	50	53.3	106.7
b cal 5	5	<input checked="" type="checkbox"/>	100	103.5	103.5
b qc 100	5	<input checked="" type="checkbox"/>	100	116.2	116.2
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	114.4	114.4
b cal 6	6	<input checked="" type="checkbox"/>	250	260.0	104.0
b QC 250	6	<input checked="" type="checkbox"/>	250	257.1	102.9
b cal 7	7	<input checked="" type="checkbox"/>	500	496.3	99.3
b cal 8	8	<input checked="" type="checkbox"/>	1000	987.8	98.8
b qc 1000	8	<input type="checkbox"/>	1000	984.0	98.4

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 mdq panel 1b.batch.bin

**Last Calib Update** 2/16/2017 1:40 PM **Analyst Name** ISP TOX

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



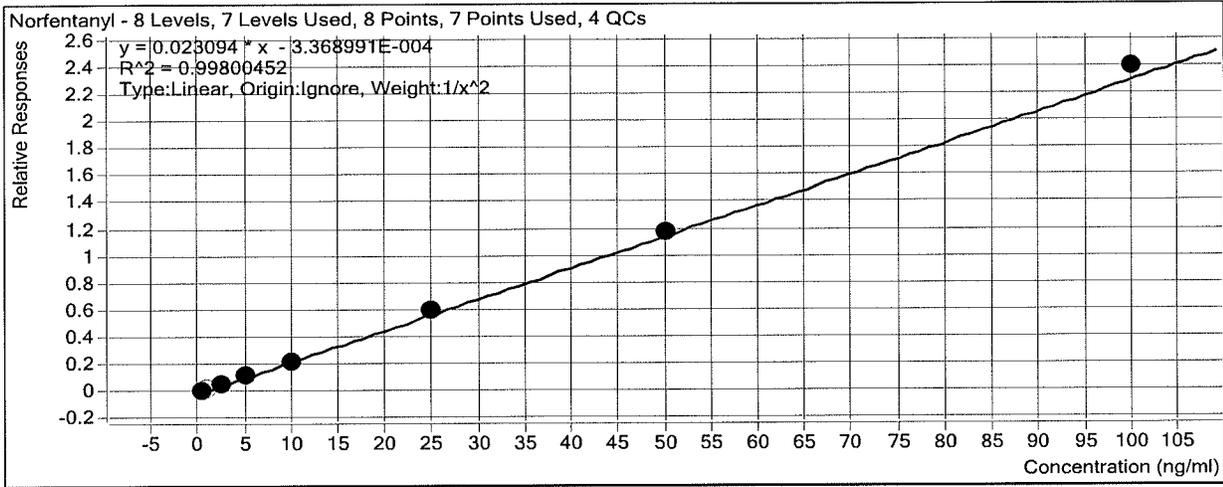
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1	1	<input checked="" type="checkbox"/>	5	5.2	104.3
b cal 2	2	<input checked="" type="checkbox"/>	10	9.8	98.0
b cal 2	2	<input checked="" type="checkbox"/>	10	9.8	98.0
b cal 3	3	<input checked="" type="checkbox"/>	25	23.6	94.3
b cal 4	4	<input checked="" type="checkbox"/>	50	49.4	98.8
b cal 5	5	<input checked="" type="checkbox"/>	100	100.9	100.9
b qc 100	5	<input checked="" type="checkbox"/>	100	116.0	116.0
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	112.3	112.3
b cal 6	6	<input checked="" type="checkbox"/>	250	261.9	104.8
b QC 250	6	<input checked="" type="checkbox"/>	250	267.7	107.1
b cal 7	7	<input checked="" type="checkbox"/>	500	500.3	100.1
b cal 8	8	<input checked="" type="checkbox"/>	1000	988.9	98.9
b qc 1000	8	<input checked="" type="checkbox"/>	1000	980.2	98.0

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 mdq panel 1b.batch.bin

**Last Calib Update** 2/16/2017 1:40 PM **Analyst Name** ISP TOX

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



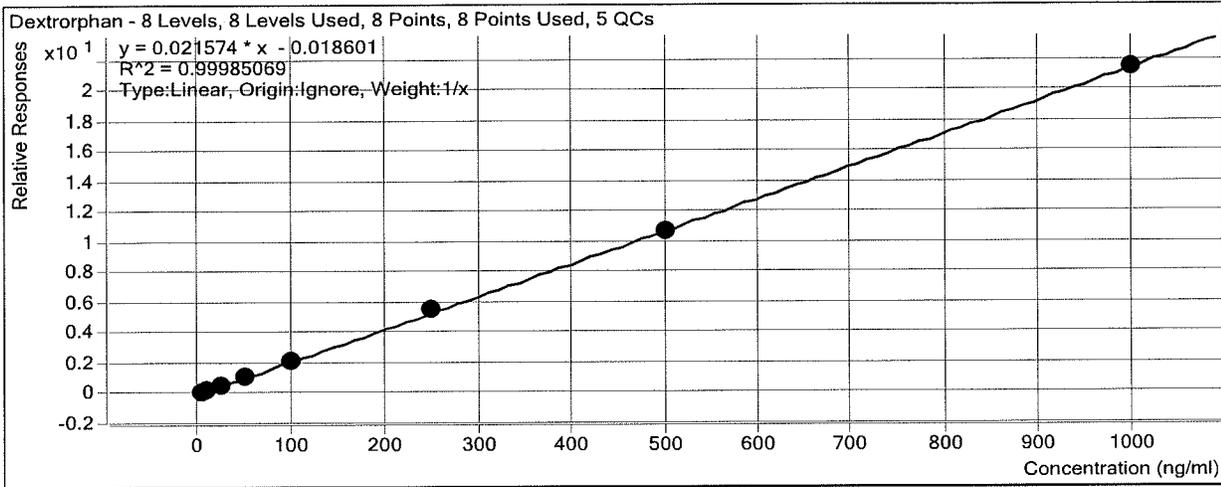
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1	1	<input checked="" type="checkbox"/>	0.5	0.5	101.6
b cal 2	2	<input type="checkbox"/>	1	1.0	100.6
b QC 10	2	<input type="checkbox"/>	1	0.0	0.0
b cal 3	3	<input checked="" type="checkbox"/>	2.5	2.3	93.1
b cal 4	4	<input checked="" type="checkbox"/>	5	4.9	97.8
b cal 5	5	<input checked="" type="checkbox"/>	10	9.7	97.2
b qc 100	5	<input checked="" type="checkbox"/>	10	10.1	101.3
b qc 100 2nd	5	<input checked="" type="checkbox"/>	10	10.4	103.6
b cal 6	6	<input checked="" type="checkbox"/>	25	26.2	105.0
b QC 250	6	<input checked="" type="checkbox"/>	25	24.9	99.5
b cal 7	7	<input checked="" type="checkbox"/>	50	50.9	101.8
b cal 8	8	<input checked="" type="checkbox"/>	100	103.6	103.6
b qc 1000	8	<input checked="" type="checkbox"/>	100	105.9	105.9

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 mdq panel 1b.batch.bin

**Last Calib Update** 2/16/2017 1:40 PM      **Analyst Name** ISP TOX

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



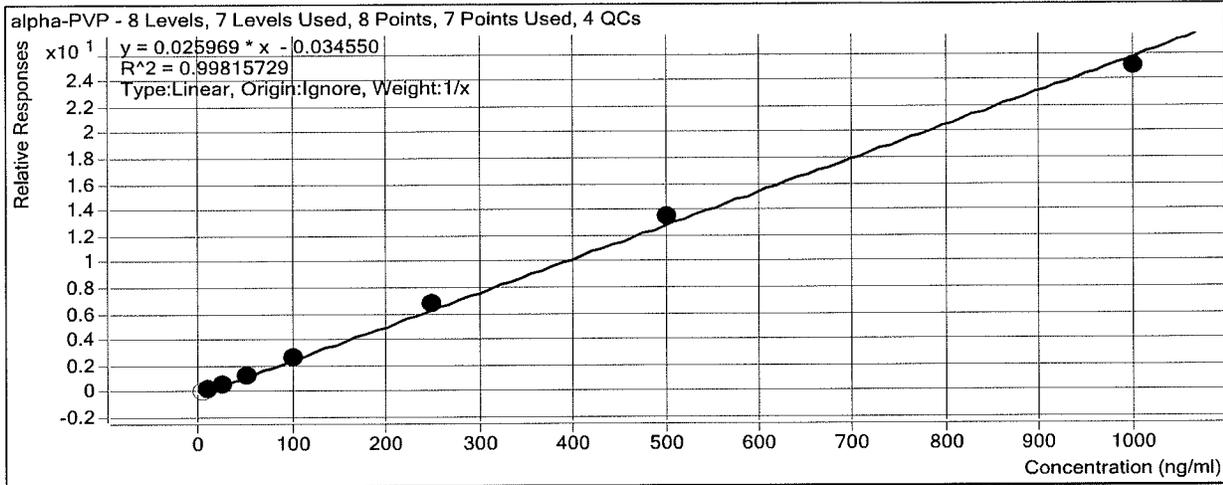
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1	1	<input checked="" type="checkbox"/>	5	5.2	103.1
b cal 2	2	<input checked="" type="checkbox"/>	10	9.5	95.3
b QC 10	2	<input checked="" type="checkbox"/>	10	11.0	109.8
b cal 3	3	<input checked="" type="checkbox"/>	25	24.9	99.5
b cal 4	4	<input checked="" type="checkbox"/>	50	50.2	100.5
b cal 5	5	<input checked="" type="checkbox"/>	100	99.5	99.5
b qc 100	5	<input checked="" type="checkbox"/>	100	114.5	114.5
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	112.6	112.6
b cal 6	6	<input checked="" type="checkbox"/>	250	257.2	102.9
b QC 250	6	<input checked="" type="checkbox"/>	250	259.8	103.9
b cal 7	7	<input checked="" type="checkbox"/>	500	498.2	99.6
b cal 8	8	<input checked="" type="checkbox"/>	1000	995.3	99.5
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1011.2	101.1

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 mdq panel 1b.batch.bin

**Last Calib Update** 2/16/2017 1:40 PM      **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1	1	<input type="checkbox"/>	5	5.8	115.6
b cal 2	2	<input checked="" type="checkbox"/>	10	8.5	84.5
b cal 2	2	<input checked="" type="checkbox"/>	10	8.5	84.5
b cal 3	3	<input checked="" type="checkbox"/>	25	26.0	104.2
b cal 4	4	<input checked="" type="checkbox"/>	50	52.0	104.0
b cal 5	5	<input checked="" type="checkbox"/>	100	102.0	102.0
b qc 100	5	<input checked="" type="checkbox"/>	100	112.2	112.2
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	102.8	102.8
b cal 6	6	<input checked="" type="checkbox"/>	250	262.5	105.0
b QC 250	6	<input checked="" type="checkbox"/>	250	266.8	106.7
b cal 7	7	<input checked="" type="checkbox"/>	500	519.7	103.9
b cal 8	8	<input checked="" type="checkbox"/>	1000	964.4	96.4
b qc 1000	8	<input checked="" type="checkbox"/>	1000	981.6	98.2

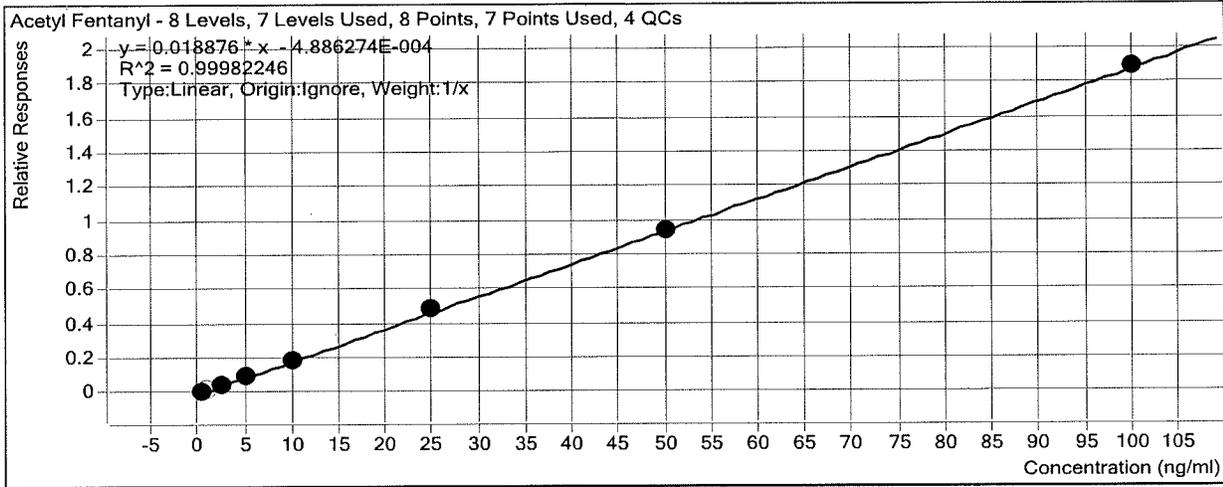
Administrative cutoff  
10ng +

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 mdq panel 1b.batch.bin

**Last Calib Update** 2/16/2017 1:40 PM **Analyst Name** ISP TOX

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



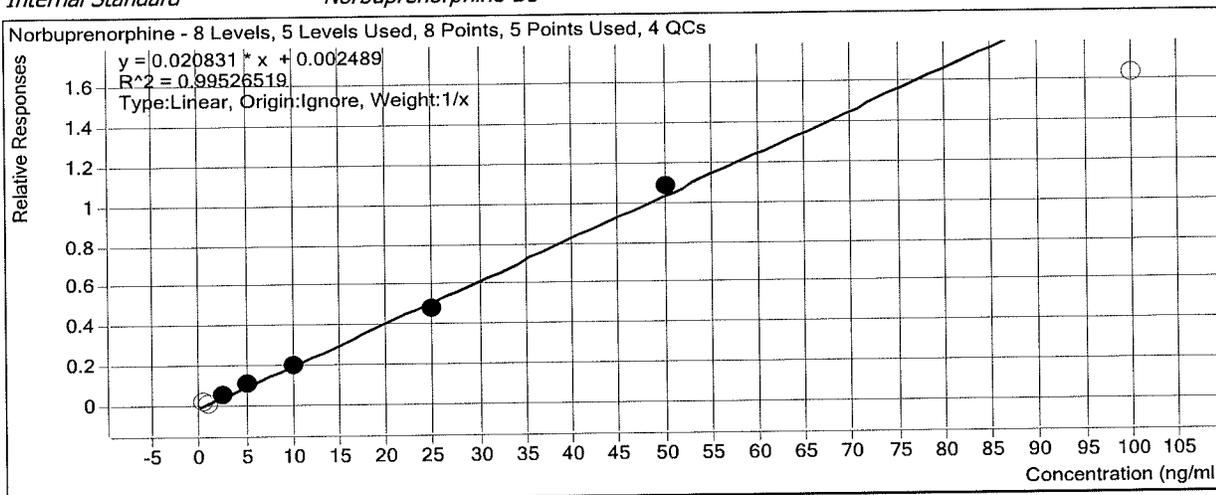
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1	1	<input checked="" type="checkbox"/>	0.5	0.5	99.7
b cal 2	2	<input type="checkbox"/>	1	1.0	97.2
b QC 10	2	<input type="checkbox"/>	1	0.0	0.0
b cal 3	3	<input checked="" type="checkbox"/>	2.5	2.5	99.5
b cal 4	4	<input checked="" type="checkbox"/>	5	5.1	102.6
b cal 5	5	<input checked="" type="checkbox"/>	10	9.7	96.7
b qc 100	5	<input checked="" type="checkbox"/>	10	10.8	108.5
b qc 100 2nd	5	<input checked="" type="checkbox"/>	10	11.5	114.6
b cal 6	6	<input checked="" type="checkbox"/>	25	25.6	102.3
b QC 250	6	<input checked="" type="checkbox"/>	25	26.0	104.0
b cal 7	7	<input checked="" type="checkbox"/>	50	49.6	99.2
b cal 8	8	<input checked="" type="checkbox"/>	100	100.0	100.0
b qc 1000	8	<input checked="" type="checkbox"/>	100	108.8	108.8

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 mdq panel 1b.batch.bin

**Last Calib Update** 2/16/2017 1:40 PM      **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1	1	<input type="checkbox"/>	0.5	1.1	213.2
b cal 2	2	<input type="checkbox"/>	1	0.9	85.7
b QC 10	2	<input type="checkbox"/>	1	0.0	0.0
b cal 3	3	<input checked="" type="checkbox"/>	2.5	2.6	102.6
b cal 4	4	<input checked="" type="checkbox"/>	5	5.3	106.0
b cal 5	5	<input checked="" type="checkbox"/>	10	9.5	95.0
b qc 100	5	<input checked="" type="checkbox"/>	10	9.8	98.1
b qc 100 2nd	5	<input checked="" type="checkbox"/>	10	12.4	123.7
b cal 6	6	<input checked="" type="checkbox"/>	25	23.1	92.2
b QC 250	6	<input checked="" type="checkbox"/>	25	26.3	105.3
b cal 7	7	<input checked="" type="checkbox"/>	50	52.1	104.2
b cal 8	8	<input type="checkbox"/>	100	77.9	77.9
b qc 1000	8	<input checked="" type="checkbox"/>	100	94.9	94.9

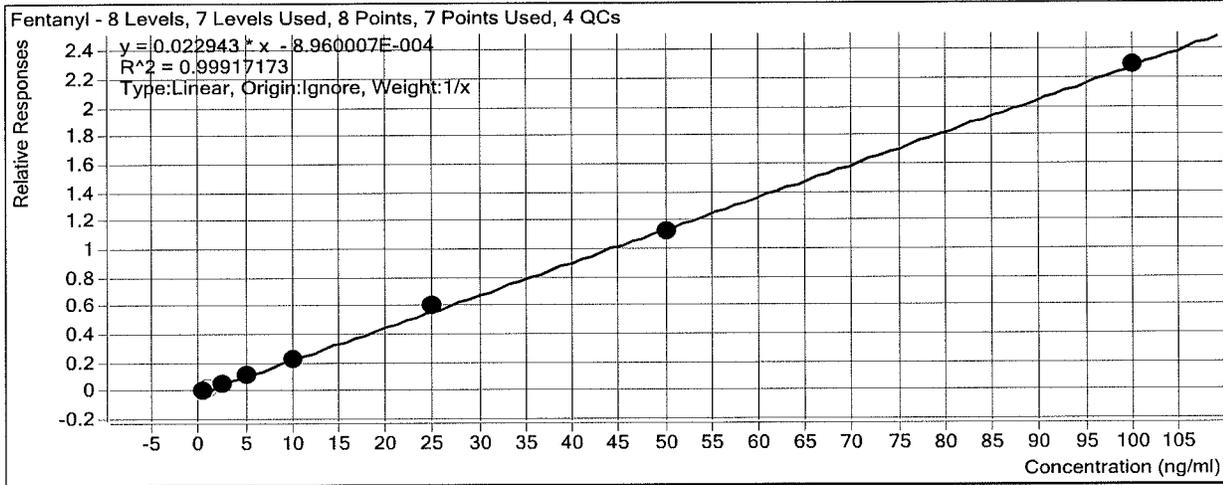
Administrative  
cut off 10 ng +  
2.5

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 mdq panel 1b.batch.bin

**Last Calib Update** 2/16/2017 1:40 PM **Analyst Name** ISP TOX

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



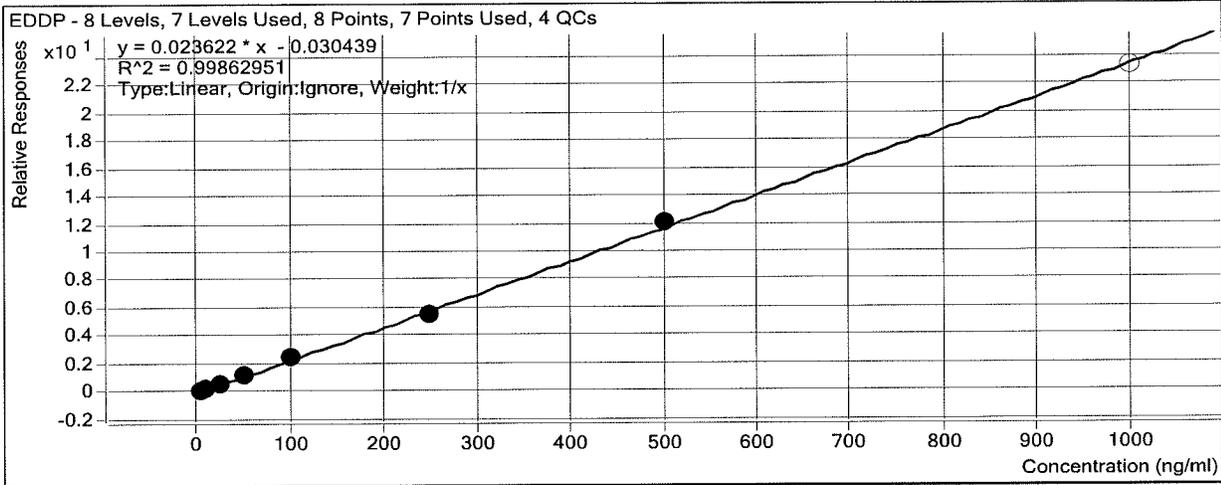
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1	1	<input checked="" type="checkbox"/>	0.5	0.5	95.1
b cal 2	2	<input type="checkbox"/>	1	1.1	110.4
b QC 10	2	<input type="checkbox"/>	1	0.0	0.0
b cal 3	3	<input checked="" type="checkbox"/>	2.5	2.5	99.7
b cal 4	4	<input checked="" type="checkbox"/>	5	5.2	104.8
b cal 5	5	<input checked="" type="checkbox"/>	10	9.7	96.9
b qc 100	5	<input checked="" type="checkbox"/>	10	10.9	108.8
b qc 100 2nd	5	<input checked="" type="checkbox"/>	10	10.8	107.7
b cal 6	6	<input checked="" type="checkbox"/>	25	26.5	106.2
b QC 250	6	<input checked="" type="checkbox"/>	25	25.8	103.1
b cal 7	7	<input checked="" type="checkbox"/>	50	48.8	97.7
b cal 8	8	<input checked="" type="checkbox"/>	100	99.7	99.7
b qc 1000	8	<input checked="" type="checkbox"/>	100	97.7	97.7

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 mdq panel 1b.batch.bin

**Last Calib Update** 2/16/2017 1:40 PM      **Analyst Name** ISP TOX

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



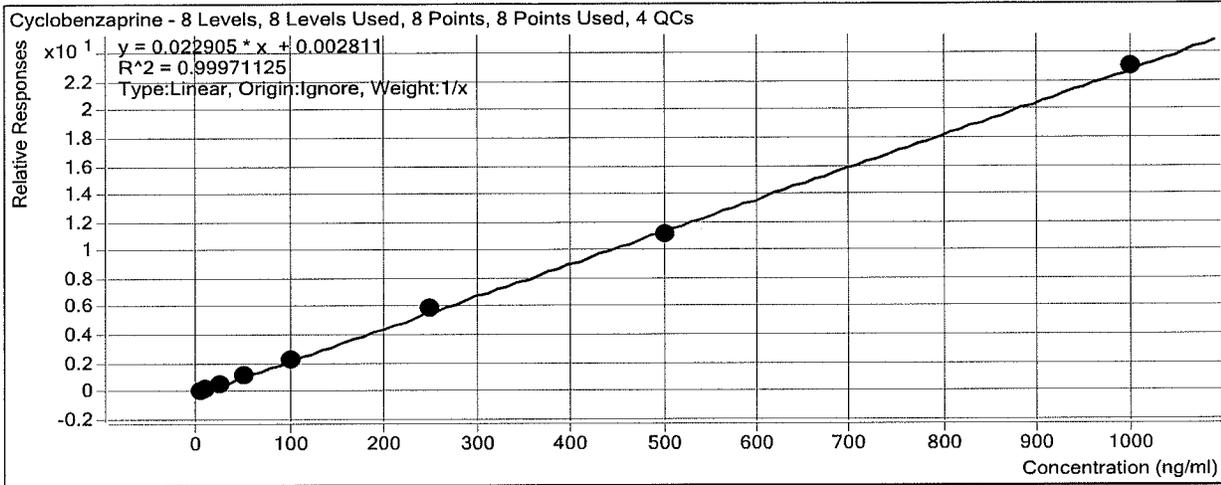
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1	1	<input checked="" type="checkbox"/>	5	5.5	110.1
b cal 2	2	<input checked="" type="checkbox"/>	10	9.3	92.8
b cal 2	2	<input checked="" type="checkbox"/>	10	9.3	92.8
b cal 3	3	<input checked="" type="checkbox"/>	25	24.9	99.6
b cal 4	4	<input checked="" type="checkbox"/>	50	49.4	98.8
b cal 5	5	<input checked="" type="checkbox"/>	100	101.4	101.4
b qc 100	5	<input checked="" type="checkbox"/>	100	101.1	101.1
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	103.0	103.0
b cal 6	6	<input checked="" type="checkbox"/>	250	237.1	94.8
b QC 250	6	<input checked="" type="checkbox"/>	250	255.7	102.3
b cal 7	7	<input checked="" type="checkbox"/>	500	512.5	102.5
b cal 8	8	<input type="checkbox"/>	1000	986.8	98.7
b qc 1000	8	<input type="checkbox"/>	1000	993.8	99.4

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 mdq panel 1b.batch.bin

**Last Calib Update** 2/16/2017 1:40 PM **Analyst Name** ISP TOX

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



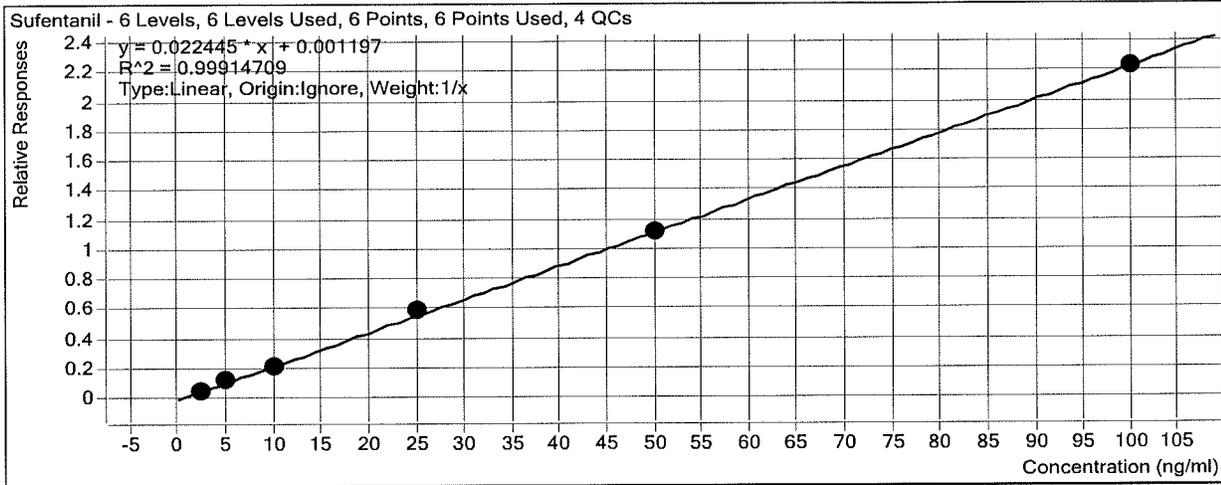
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1	1	<input checked="" type="checkbox"/>	5	4.7	94.6
b cal 2	2	<input checked="" type="checkbox"/>	10	10.1	101.2
b QC 10	2	<input checked="" type="checkbox"/>	10	0.0	0.0
b cal 3	3	<input checked="" type="checkbox"/>	25	24.8	99.1
b cal 4	4	<input checked="" type="checkbox"/>	50	51.7	103.4
b cal 5	5	<input checked="" type="checkbox"/>	100	101.8	101.8
b qc 100	5	<input checked="" type="checkbox"/>	100	112.5	112.5
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	112.1	112.1
b cal 6	6	<input checked="" type="checkbox"/>	250	254.9	102.0
b QC 250	6	<input checked="" type="checkbox"/>	250	265.2	106.1
b cal 7	7	<input checked="" type="checkbox"/>	500	487.9	97.6
b cal 8	8	<input checked="" type="checkbox"/>	1000	1004.1	100.4
b qc 1000	8	<input checked="" type="checkbox"/>	1000	920.7	92.1

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 mdq panel 1b.batch.bin

**Last Calib Update** 2/16/2017 1:40 PM      **Analyst Name** ISP TOX

**Target Compound** *Sufentanil*  
**Internal Standard** *Sufentanil-D5*



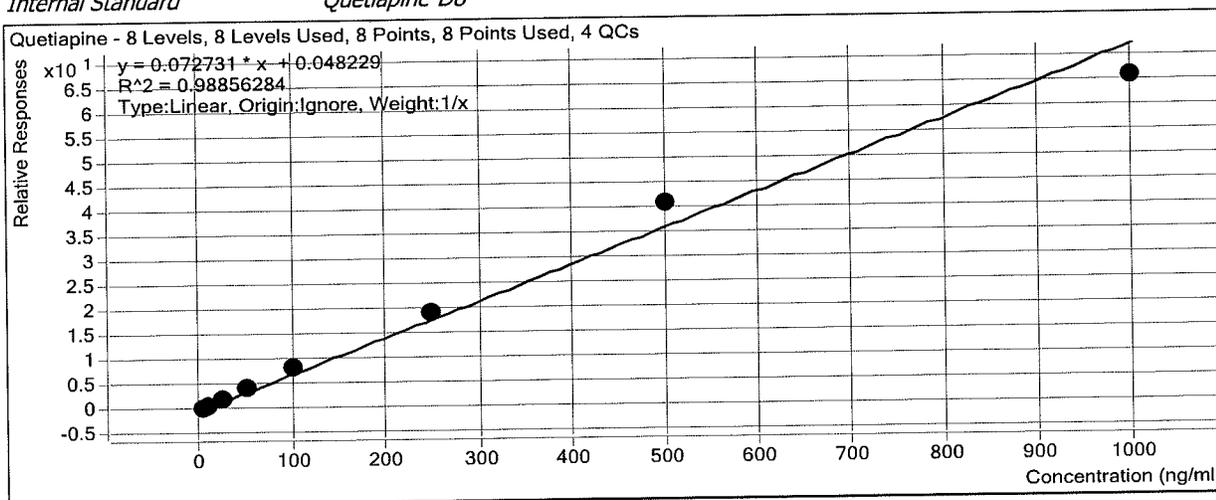
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1	1	<input type="checkbox"/>	0.5	0.0	0.0
b cal 2	2	<input type="checkbox"/>	1	0.0	0.0
b QC 10	2	<input type="checkbox"/>	1	0.0	0.0
b cal 3	3	<input checked="" type="checkbox"/>	2.5	2.3	93.3
b cal 4	4	<input checked="" type="checkbox"/>	5	5.4	108.8
b cal 5	5	<input checked="" type="checkbox"/>	10	9.5	94.7
b qc 100	5	<input checked="" type="checkbox"/>	10	10.4	103.6
b qc 100 2nd	5	<input checked="" type="checkbox"/>	10	11.3	112.9
b cal 6	6	<input checked="" type="checkbox"/>	25	26.0	104.1
b QC 250	6	<input checked="" type="checkbox"/>	25	26.4	105.4
b cal 7	7	<input checked="" type="checkbox"/>	50	49.9	99.8
b cal 8	8	<input checked="" type="checkbox"/>	100	99.3	99.3
b qc 1000	8	<input checked="" type="checkbox"/>	100	97.4	97.4

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 mdq panel 1b.batch.bin

**Last Calib Update** 2/16/2017 1:40 PM **Analyst Name** ISP TOX

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



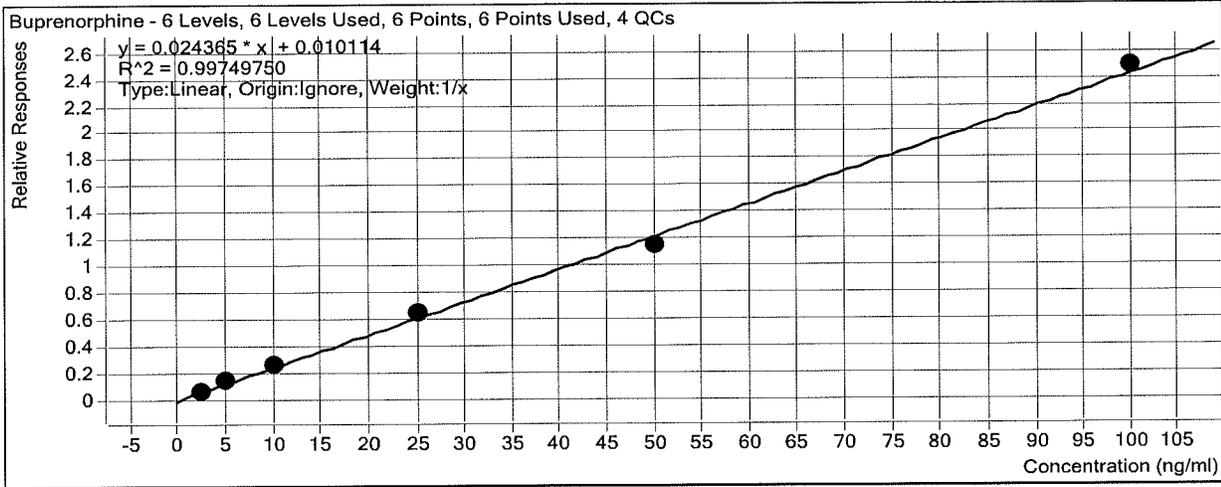
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1	1	<input checked="" type="checkbox"/>	5	3.8	76.5
b cal 2	2	<input checked="" type="checkbox"/>	10	8.3	82.6
b cal 2	2	<input checked="" type="checkbox"/>	10	8.3	82.6
b cal 3	3	<input checked="" type="checkbox"/>	25	27.2	108.7
b cal 4	4	<input checked="" type="checkbox"/>	50	55.2	110.4
b cal 5	5	<input checked="" type="checkbox"/>	100	112.8	112.8
b qc 100	5	<input checked="" type="checkbox"/>	100	115.7	115.7
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	118.3	118.3
b cal 6	6	<input checked="" type="checkbox"/>	250	265.6	106.2
b QC 250	6	<input checked="" type="checkbox"/>	250	249.4	99.8
b cal 7	7	<input checked="" type="checkbox"/>	500	561.8	112.4
b cal 8	8	<input checked="" type="checkbox"/>	1000	905.4	90.5
b qc 1000	8	<input type="checkbox"/>	1000	931.7	93.2

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 mdq panel 1b.batch.bin

**Last Calib Update** 2/16/2017 1:40 PM      **Analyst Name** ISP TOX

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



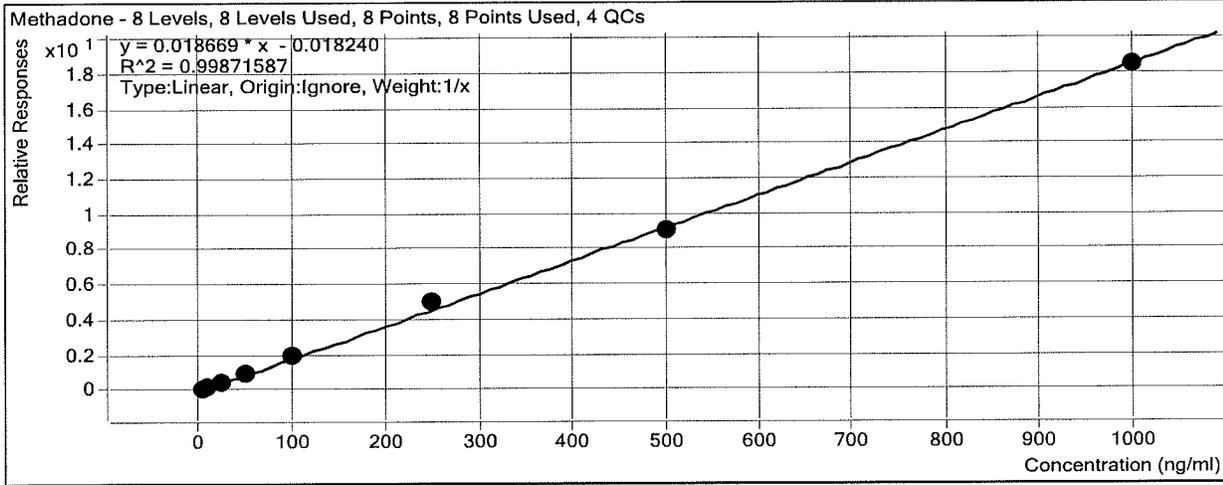
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1	1	<input checked="" type="checkbox"/>	0.5	0.0	0.0
b cal 2	2	<input type="checkbox"/>	1	0.0	0.0
b QC 10	2	<input type="checkbox"/>	1	0.0	0.0
b cal 3	3	<input checked="" type="checkbox"/>	2.5	2.3	91.7
b cal 4	4	<input checked="" type="checkbox"/>	5	5.3	106.3
b cal 5	5	<input checked="" type="checkbox"/>	10	10.1	101.4
b qc 100	5	<input checked="" type="checkbox"/>	10	9.4	93.9
b qc 100 2nd	5	<input checked="" type="checkbox"/>	10	9.7	97.2
b cal 6	6	<input checked="" type="checkbox"/>	25	26.4	105.5
b QC 250	6	<input checked="" type="checkbox"/>	25	21.3	85.2
b cal 7	7	<input checked="" type="checkbox"/>	50	46.7	93.3
b cal 8	8	<input checked="" type="checkbox"/>	100	101.7	101.7
b qc 1000	8	<input checked="" type="checkbox"/>	100	85.7	85.7

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 mdq panel 1b.batch.bin

**Last Calib Update** 2/16/2017 1:40 PM      **Analyst Name** ISP TOX

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



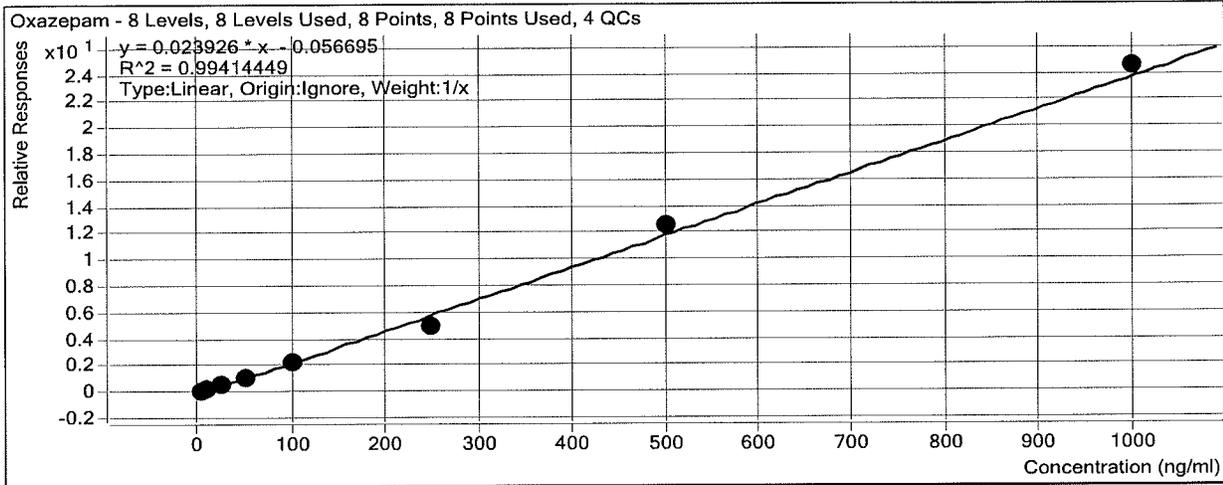
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1	1	<input checked="" type="checkbox"/>	5	5.1	101.1
b cal 2	2	<input checked="" type="checkbox"/>	10	8.2	82.4
b cal 2	2	<input checked="" type="checkbox"/>	10	8.2	82.4
b cal 3	3	<input checked="" type="checkbox"/>	25	25.9	103.4
b cal 4	4	<input checked="" type="checkbox"/>	50	52.7	105.4
b cal 5	5	<input checked="" type="checkbox"/>	100	104.5	104.5
b qc 100	5	<input checked="" type="checkbox"/>	100	110.0	110.0
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	109.1	109.1
b cal 6	6	<input checked="" type="checkbox"/>	250	266.8	106.7
b QC 250	6	<input checked="" type="checkbox"/>	250	262.1	104.9
b cal 7	7	<input checked="" type="checkbox"/>	500	486.6	97.3
b cal 8	8	<input checked="" type="checkbox"/>	1000	990.2	99.0
b qc 1000	8	<input checked="" type="checkbox"/>	1000	967.3	96.7

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 mdq panel 1b.batch.bin

**Last Calib Update** 2/16/2017 1:40 PM      **Analyst Name** ISP TOX

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



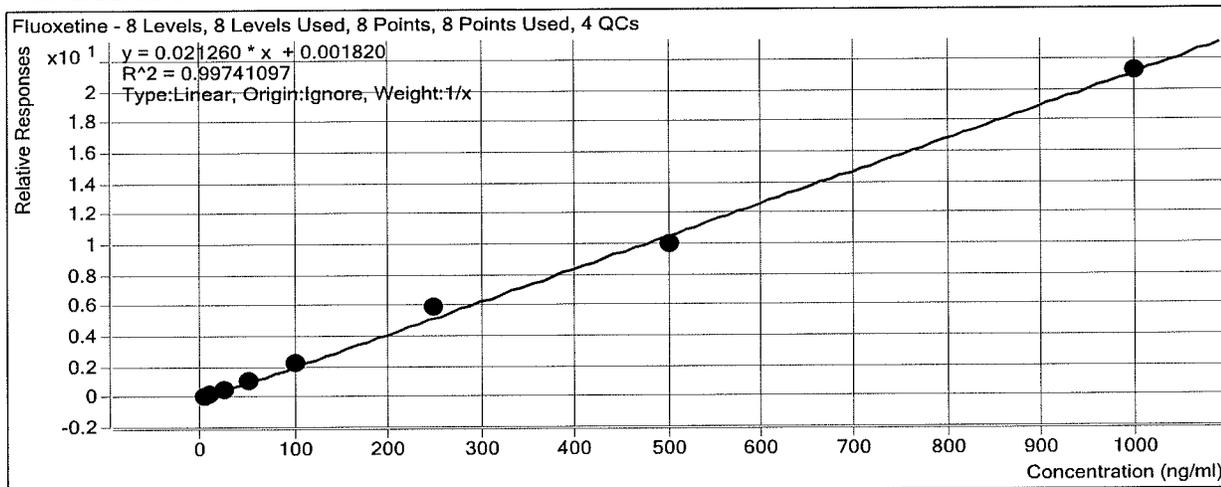
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1	1	<input checked="" type="checkbox"/>	5	6.0	120.3
b cal 2	2	<input checked="" type="checkbox"/>	10	11.5	114.9
b cal 2	2	<input checked="" type="checkbox"/>	10	11.5	114.9
b cal 3	3	<input checked="" type="checkbox"/>	25	22.6	90.5
b cal 4	4	<input checked="" type="checkbox"/>	50	44.4	88.8
b cal 5	5	<input checked="" type="checkbox"/>	100	94.3	94.3
b qc 100	5	<input checked="" type="checkbox"/>	100	72.2	72.2
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	103.7	103.7
b cal 6	6	<input checked="" type="checkbox"/>	250	208.7	83.5
b QC 250	6	<input type="checkbox"/>	250	206.6	82.6
b cal 7	7	<input checked="" type="checkbox"/>	500	524.8	105.0
b cal 8	8	<input checked="" type="checkbox"/>	1000	1027.6	102.8
b qc 1000	8	<input type="checkbox"/>	1000	1054.7	105.5

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 mdq panel 1b.batch.bin

**Last Calib Update** 2/16/2017 1:40 PM      **Analyst Name** ISP TOX

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



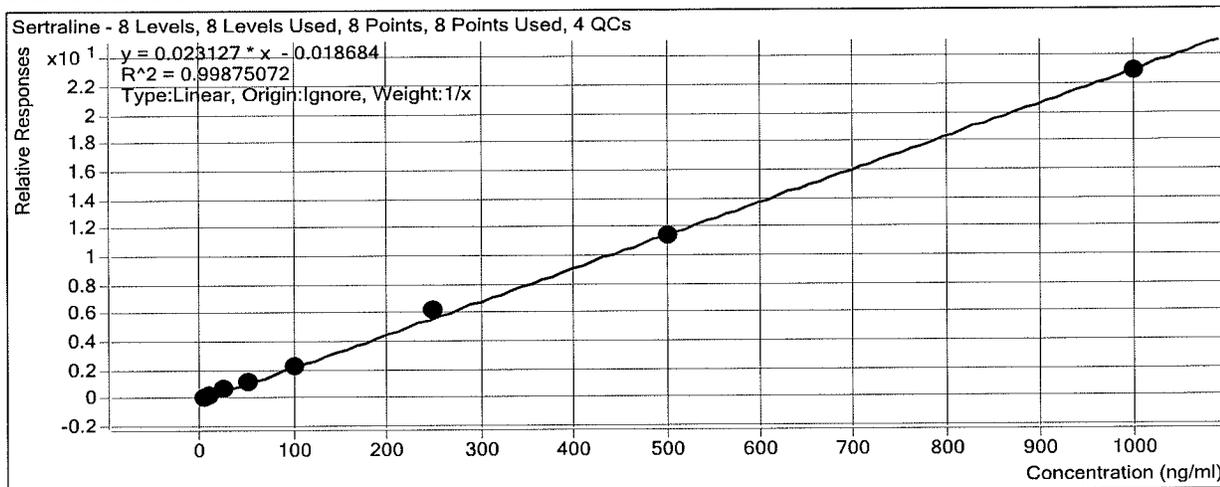
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1	1	<input checked="" type="checkbox"/>	5	4.7	94.6
b cal 2	2	<input checked="" type="checkbox"/>	10	9.2	91.8
b cal 2	2	<input checked="" type="checkbox"/>	10	9.2	91.8
b cal 3	3	<input checked="" type="checkbox"/>	25	25.2	100.6
b cal 4	4	<input checked="" type="checkbox"/>	50	51.7	103.3
b cal 5	5	<input checked="" type="checkbox"/>	100	105.7	105.7
b qc 100	5	<input checked="" type="checkbox"/>	100	115.5	115.5
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	108.6	108.6
b cal 6	6	<input checked="" type="checkbox"/>	250	274.8	109.9
b QC 250	6	<input checked="" type="checkbox"/>	250	261.7	104.7
b cal 7	7	<input checked="" type="checkbox"/>	500	471.2	94.2
b cal 8	8	<input checked="" type="checkbox"/>	1000	997.6	99.8
b qc 1000	8	<input type="checkbox"/>	1000	1011.2	101.1

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 mdq panel 1b.batch.bin

**Last Calib Update** 2/16/2017 1:40 PM      **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1	1	<input checked="" type="checkbox"/>	5	5.5	110.9
b cal 2	2	<input checked="" type="checkbox"/>	10	7.4	74.4
b cal 2	2	<input checked="" type="checkbox"/>	10	7.4	74.4
b cal 3	3	<input checked="" type="checkbox"/>	25	26.7	106.6
b cal 4	4	<input checked="" type="checkbox"/>	50	52.3	104.6
b cal 5	5	<input checked="" type="checkbox"/>	100	99.4	99.4
b qc 100	5	<input checked="" type="checkbox"/>	100	113.1	113.1
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	113.9	113.9
b cal 6	6	<input checked="" type="checkbox"/>	250	266.3	106.5
b QC 250	6	<input checked="" type="checkbox"/>	250	263.5	105.4
b cal 7	7	<input checked="" type="checkbox"/>	500	493.3	98.7
b cal 8	8	<input checked="" type="checkbox"/>	1000	989.0	98.9
b qc 1000	8	<input type="checkbox"/>	1000	1027.4	102.7

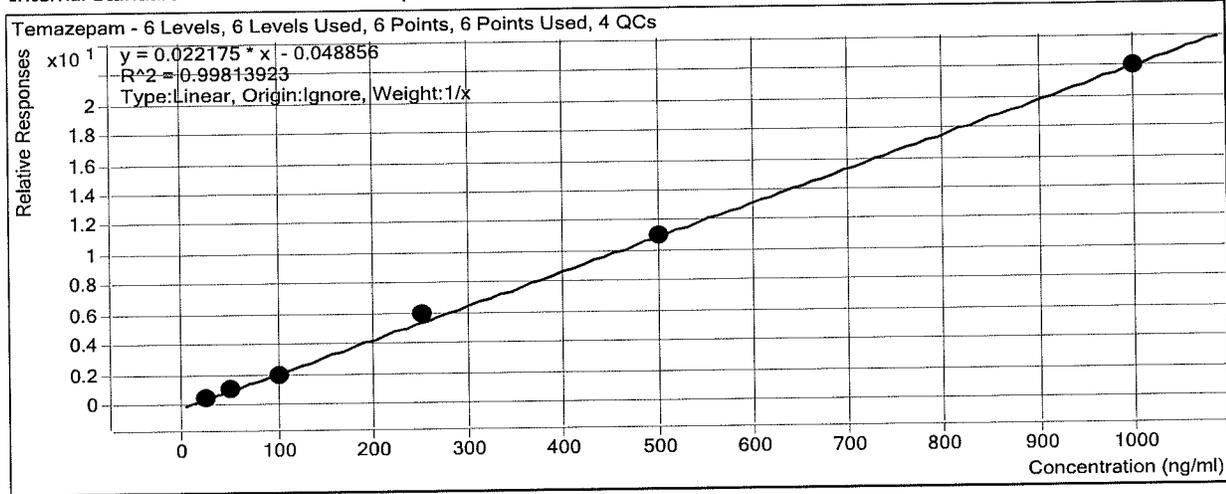
# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 mdq panel 1b.batch.bin

**Last Calib Update** 2/16/2017 1:40 PM      **Analyst Name** ISP TOX

**Target Compound** *Temazepam*

**Internal Standard** *Temazepam-D5*



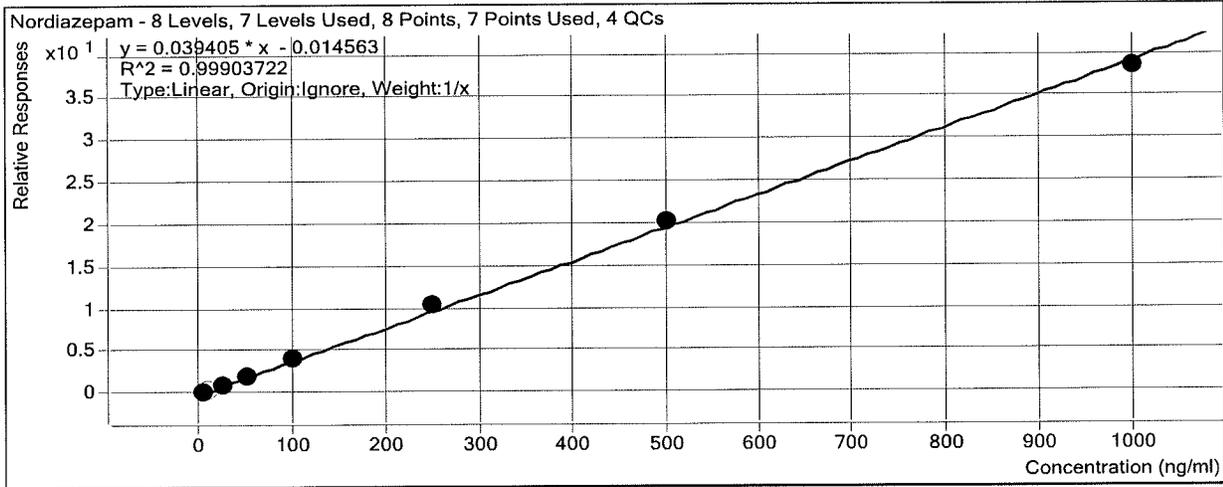
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1	1	<input type="checkbox"/>	5	0.0	0.0
b cal 2	2	<input type="checkbox"/>	10	0.0	0.0
b cal 2	2	<input type="checkbox"/>	10	0.0	0.0
b cal 3	3	<input checked="" type="checkbox"/>	25	25.8	103.2
b cal 4	4	<input checked="" type="checkbox"/>	50	50.7	101.5
b cal 5	5	<input checked="" type="checkbox"/>	100	89.0	89.0
b qc 100	5	<input checked="" type="checkbox"/>	100	120.2	120.2
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	112.7	112.7
b cal 6	6	<input checked="" type="checkbox"/>	250	268.8	107.5
b QC 250	6	<input checked="" type="checkbox"/>	250	258.5	103.4
b cal 7	7	<input checked="" type="checkbox"/>	500	497.4	99.5
b cal 8	8	<input checked="" type="checkbox"/>	1000	993.2	99.3
b qc 1000	8	<input type="checkbox"/>	1000	1039.7	104.0

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 mdq panel 1b.batch.bin

**Last Calib Update** 2/16/2017 1:40 PM      **Analyst Name** ISP TOX

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



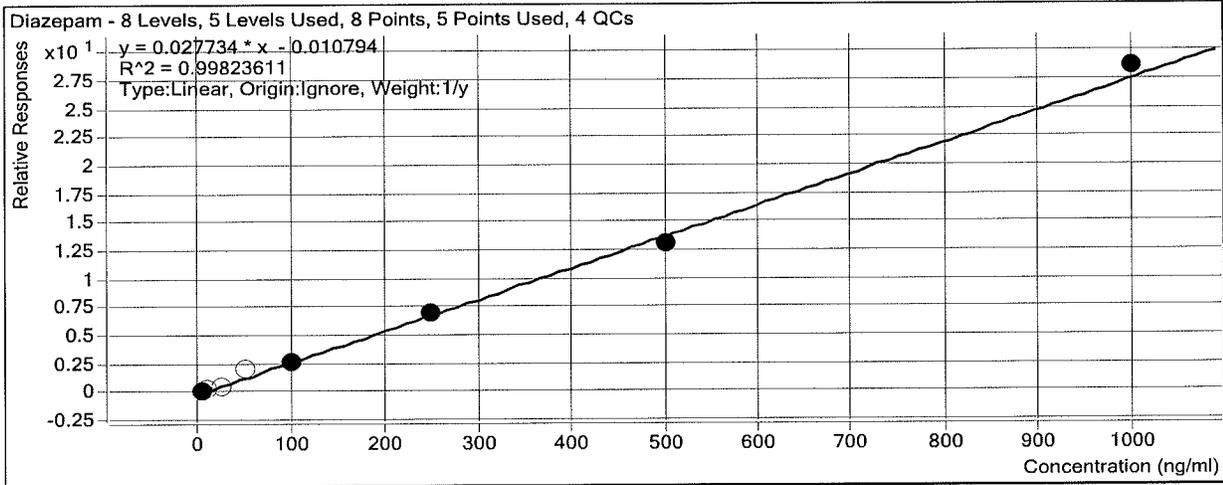
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1	1	<input checked="" type="checkbox"/>	5	4.9	98.0
b cal 2	2	<input type="checkbox"/>	10	10.0	99.8
b cal 2	2	<input type="checkbox"/>	10	10.0	99.8
b cal 3	3	<input checked="" type="checkbox"/>	25	25.1	100.3
b cal 4	4	<input checked="" type="checkbox"/>	50	47.3	94.6
b cal 5	5	<input checked="" type="checkbox"/>	100	102.2	102.2
b qc 100	5	<input checked="" type="checkbox"/>	100	114.9	114.9
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	105.4	105.4
b cal 6	6	<input checked="" type="checkbox"/>	250	262.3	104.9
b QC 250	6	<input checked="" type="checkbox"/>	250	241.2	96.5
b cal 7	7	<input checked="" type="checkbox"/>	500	512.4	102.5
b cal 8	8	<input checked="" type="checkbox"/>	1000	975.9	97.6
b qc 1000	8	<input checked="" type="checkbox"/>	1000	895.2	89.5

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 mdq panel 1b.batch.bin

**Last Calib Update** 2/16/2017 1:40 PM      **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1	1	<input checked="" type="checkbox"/>	5	5.3	105.1
b cal 2	2	<input type="checkbox"/>	10	9.4	93.5
b cal 2	2	<input type="checkbox"/>	10	9.4	93.5
b cal 3	3	<input type="checkbox"/>	25	14.9	59.5 - Top of peaks cut off
b cal 4	4	<input type="checkbox"/>	50	73.2	146.5 - Top of peaks cut off
b cal 5	5	<input checked="" type="checkbox"/>	100	96.7	96.7
b qc 100	5	<input checked="" type="checkbox"/>	100	109.4	109.4
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	111.2	111.2
b cal 6	6	<input checked="" type="checkbox"/>	250	253.5	101.4
b QC 250	6	<input checked="" type="checkbox"/>	250	253.4	101.4
b cal 7	7	<input checked="" type="checkbox"/>	500	470.3	94.1
b cal 8	8	<input checked="" type="checkbox"/>	1000	1032.4	103.2
b qc 1000	8	<input type="checkbox"/>	1000	1023.1	102.3

# ISP FORENSICS - Cd'A Instrument # 62340

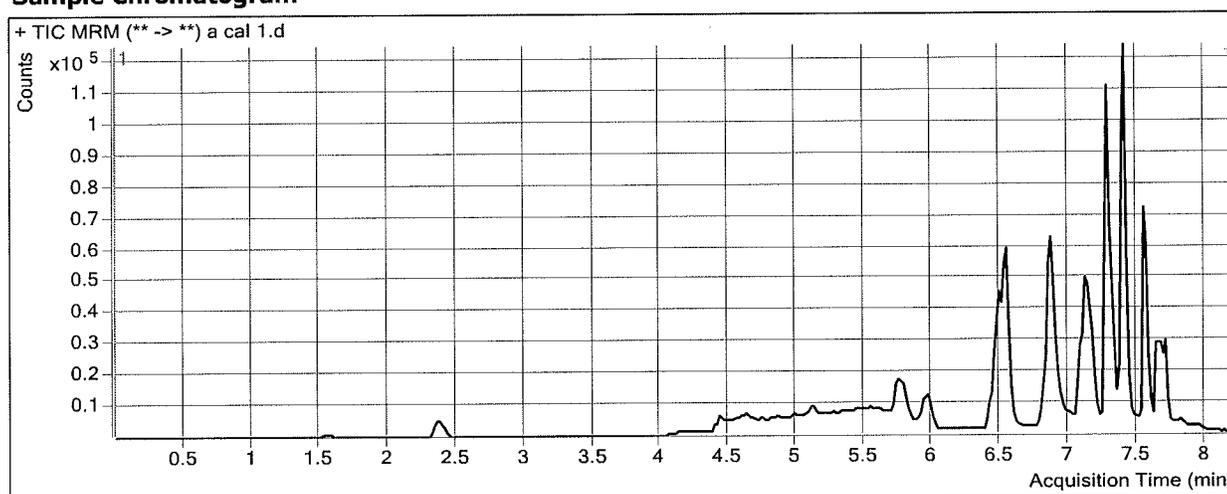
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 MDQ Panel 1.batch.bin  
**Analysis Time** 2/17/2017 9:03 AM **Analyst Name** ISP Tox  
**Report Time** 2/17/2017 9:07 AM **Reporter Name** ISP Tox  
**Last Calib Update** 2/17/2017 9:02 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2017-02-10 17:19 **Data File** a cal 1.d  
**Sample Type** Calibration **Sample Name** a cal 1  
**Dilution** 1 **Acq Method** Quant Panel 1a 11-18-2016.m  
**Position** P1-A1 **Sample Info**  
**Inj Vol** -1 **Comment**

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.568	796	1436	0.5540	4.2419
Hydromorphone	Hydromorphone-D6	2.387	2668	18309	0.1457	4.7739
6-MAM	6-MAM-D6	4.626	13	2046	0.0063	0.3157
Amphetamine	Amphetamine-D11	4.864	3318	1941	1.7095	9.7046
Oxycodone	Oxycodone-D6	4.870	157	4689	0.0334	5.5958
Hydrocodone	Hydrocodone-D6	5.154	1048	8046	0.1303	5.4404
Phentermine	Phentermine-D5	6.006	845	50716	0.0167	0.0000
Dextroprorphan	Dextroprorphan-D3	6.462	3662	59260	0.0618	5.1661
7-aminoclonazepam	7-Aminoclonazepam-D4	6.554	3174	32213	0.0985	4.5989
Tramadol	Tramadol-13C-D3	6.540	23835	235307	0.1013	4.4366
Doxylamine	Doxylamine-D5	6.883	26151	274239	0.0954	5.1100
Bupropion	Bupropion-D9	7.111	6254	64841	0.0965	4.2062
Zolpidem	Zolpidem-D6	7.142	11983	134873	0.0888	5.1577
Meprobamate	Meprobamate-D7	7.193	2209	20444	0.1081	5.6209
Venlafaxine	Venlafaxine-D6	7.286	20619	211781	0.0974	4.8602
Trazodone	Trazodone-D6	7.315	7682	75786	0.1014	4.8666
Citalopram	Citalopram-D6	7.377	9791	90464	0.1082	5.0717
Dextromethorphan	Dextromethorphan-D3	7.408	3908	34382	0.1137	5.0838
Diphenhydramine	Diphenhydramine-D3	7.412	15596	166982	0.0934	4.7797
Promethazine	Promethazine-D3	7.546	13009	170348	0.0764	4.5053
Clonazepam	Clonazepam-D4	7.582	1012	2488	0.4068	4.0245
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.640	450	4591	0.0981	3.8964
Carisoprodol	Carisoprodol-D7	7.672	6294	54615	0.1152	3.6031

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

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<b>Compound</b>	<b>ISTD Compound</b>	<b>RT</b>	<b>Response</b>	<b>ISTD Resp</b>	<b>Resp Ratio</b>	<b>Final Conc</b>
Lorazepam	Alprazolam-D5	7.682	296	49702	0.0060	6.1751
Alprazolam	Alprazolam-D5	7.726	4071	49702	0.0819	4.3972



# ISP FORENSICS - Cd'A Instrument # 62340

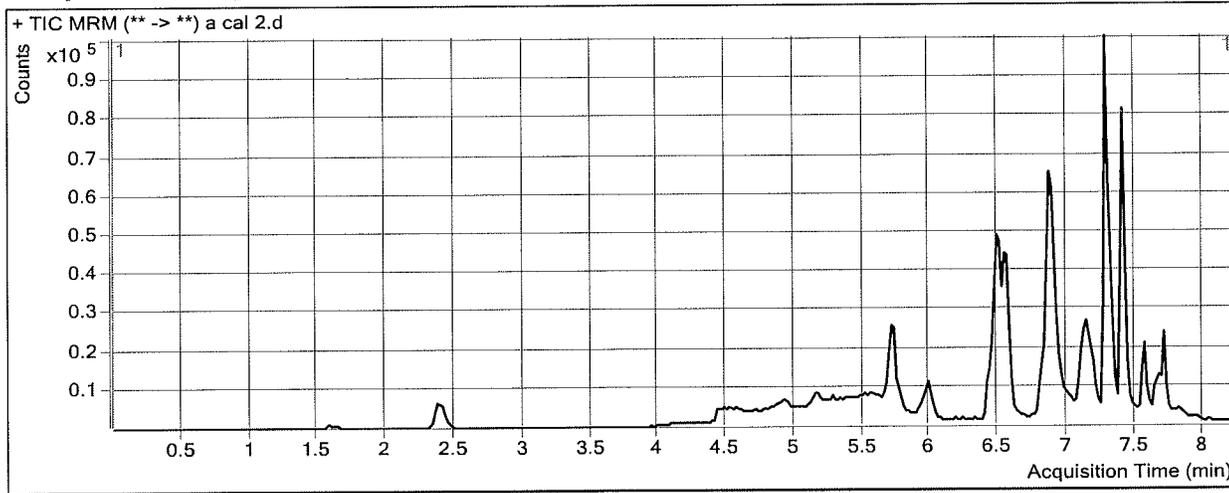
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 MDQ Panel 1.batch.bin  
**Analysis Time** 2/17/2017 9:03 AM **Analyst Name** ISP Tox  
**Report Time** 2/17/2017 9:07 AM **Reporter Name** ISP Tox  
**Last Calib Update** 2/17/2017 9:02 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2017-02-10 17:44 **Data File** a cal 2.d  
**Sample Type** Calibration **Sample Name** a cal 2  
**Dilution** 1 **Acq Method** Quant Panel 1a 11-18-2016.m  
**Position** P1-B1 **Sample Info**  
**Inj Vol** -1 **Comment**

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.608	1385	1598	0.8666	8.8450
Hydromorphone	Hydromorphone-D6	2.407	5212	19628	0.2656	8.4374
6-MAM	6-MAM-D6	4.525	12	1579	0.0073	0.5191
Amphetamine	Amphetamine-D11	4.924	10655	1498	7.1116	57.5021
Oxycodone	Oxycodone-D6	4.910	821	3842	0.2137	11.7211
Hydrocodone	Hydrocodone-D6	5.174	1047	4823	0.2172	10.0430
Norhydrocodone	Norhydrocodone-D3	5.237	139	4641	0.0300	12.7465
Phentermine	Phentermine-D5	6.026	2348	45148	0.0520	4.6149
Dextrorphan	Dextrorphan-D3	6.482	7783	61453	0.1267	9.7342
7-aminoclonazepam	7-Aminoclonazepam-D4	6.554	4405	21251	0.2073	9.1347
Tramadol	Tramadol-13C-D3	6.501	39728	212140	0.1873	8.4408
Doxylamine	Doxylamine-D5	6.883	50825	280119	0.1814	9.0609
Bupropion	Bupropion-D9	7.111	3533	15620	0.2262	10.0815
Zolpidem	Zolpidem-D6	7.142	13753	71514	0.1923	10.5847
Meprobamate	Meprobamate-D7	7.213	1987	11112	0.1788	9.2789
Venlafaxine	Venlafaxine-D6	7.286	33724	195246	0.1727	8.2942
Trazodone	Trazodone-D6	7.315	3936	19197	0.2050	9.4131
Citalopram	Citalopram-D6	7.377	9217	51827	0.1778	8.2831
Dextromethorphan	Dextromethorphan-D3	7.408	6666	32699	0.2038	9.1231
Diphenhydramine	Diphenhydramine-D3	7.412	14483	84026	0.1724	8.5778
Promethazine	Promethazine-D3	7.566	6414	37169	0.1726	9.4554
Clonazepam	Clonazepam-D4	7.602	285	287	0.9935	11.7935
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.660	776	3807	0.2038	8.1169

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

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<b>Compound</b>	<b>ISTD Compound</b>	<b>RT</b>	<b>Response</b>	<b>ISTD Resp</b>	<b>Resp Ratio</b>	<b>Final Conc</b>
Carisoprodol	Carisoprodol-D7	7.693	1263	15600	0.0810	1.4087
Lorazepam	Alprazolam-D5	7.642	47	29084	0.0016	4.3133
Alprazolam	Alprazolam-D5	7.705	6540	29084	0.2249	9.9215



# ISP FORENSICS - Cd'A Instrument # 62340

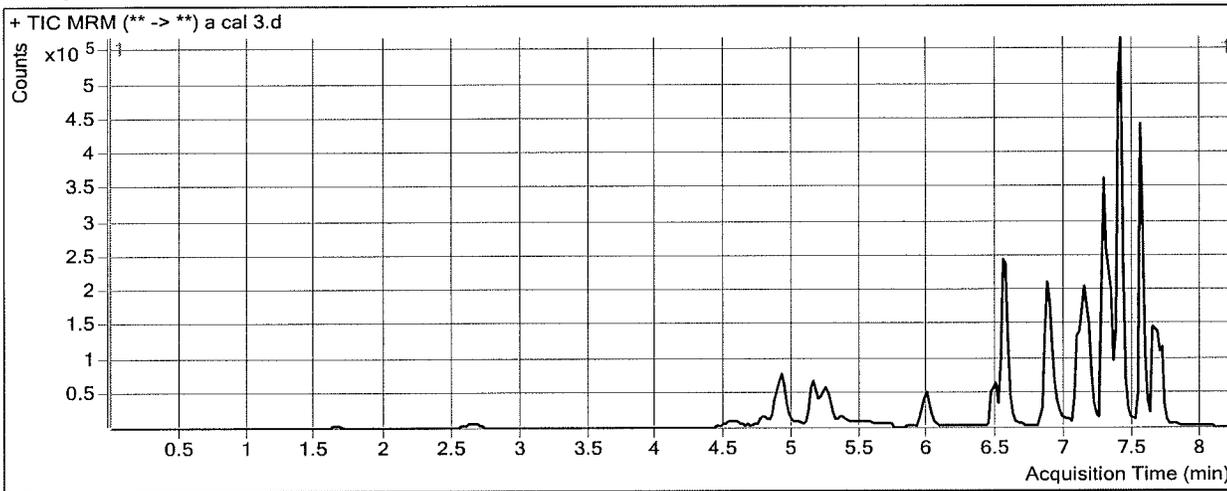
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 MDQ Panel 1.batch.bin  
**Analysis Time** 2/17/2017 9:03 AM **Analyst Name** ISP Tox  
**Report Time** 2/17/2017 9:07 AM **Reporter Name** ISP Tox  
**Last Calib Update** 2/17/2017 9:02 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2017-02-10 18:10 **Data File** a cal 3.d  
**Sample Type** Calibration **Sample Name** a cal 3  
**Dilution** 1 **Acq Method** Quant Panel 1a 11-18-2016.m  
**Position** P1-C1 **Sample Info**  
**Inj Vol** -1 **Comment**

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.651	4197	2119	1.9807	25.2489
Hydromorphone	Hydromorphone-D6	2.668	18697	23570	0.7932	24.5694
Codeine	Codeine-D6	4.593	8393	12519	0.6704	21.2799
6-MAM	6-MAM-D6	4.767	396	23092	0.0172	2.4996
Amphetamine	Amphetamine-D11	4.924	158687	54345	2.9200	20.4147
Oxycodone	Oxycodone-D6	4.930	40903	76085	0.5376	22.7223
Hydrocodone	Hydrocodone-D6	5.174	30904	66824	0.4625	23.0393
Methamphetamine	Methamphetamine-D11	5.242	131854	170852	0.7717	29.8321
Norhydrocodone	Norhydrocodone-D3	5.237	2560	27198	0.0941	27.6984
Phentermine	Phentermine-D5	6.026	26754	172227	0.1553	21.6883
Dextrorphan	Dextrorphan-D3	6.482	35303	106002	0.3330	24.2700
7-aminoclonazepam	7-Aminoclonazepam-D4	6.554	35281	60102	0.5870	24.9776
Tramadol	Tramadol-13C-D3	6.560	268345	511483	0.5246	24.1529
Doxylamine	Doxylamine-D5	6.883	279785	474093	0.5901	27.8202
Bupropion	Bupropion-D9	7.111	143805	265643	0.5413	24.3516
Zolpidem	Zolpidem-D6	7.142	153774	345710	0.4448	23.8281
Meprobamate	Meprobamate-D7	7.193	15726	34758	0.4525	23.4222
Venlafaxine	Venlafaxine-D6	7.286	263112	453997	0.5795	26.8316
Trazodone	Trazodone-D6	7.315	157354	286870	0.5485	24.4813
Citalopram	Citalopram-D6	7.377	192562	336266	0.5726	26.4944
Dextromethorphan	Dextromethorphan-D3	7.388	48793	85811	0.5686	25.4619
Diphenhydramine	Diphenhydramine-D3	7.412	335472	546126	0.6143	29.8321
Promethazine	Promethazine-D3	7.546	328088	649257	0.5053	26.5805

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

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<b>Compound</b>	<b>ISTD Compound</b>	<b>RT</b>	<b>Response</b>	<b>ISTD Resp</b>	<b>Resp Ratio</b>	<b>Final Conc</b>
Clonazepam	Clonazepam-D4	7.582	14777	8786	1.6819	20.9096
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.640	6922	9554	0.7245	28.9009
Carisoprodol	Carisoprodol-D7	7.672	81613	192590	0.4238	23.3595
Lorazepam	Alprazolam-D5	7.682	5864	109738	0.0534	26.5357
Alprazolam	Alprazolam-D5	7.705	70364	109738	0.6412	26.0080



# ISP FORENSICS - Cd'A Instrument # 62340

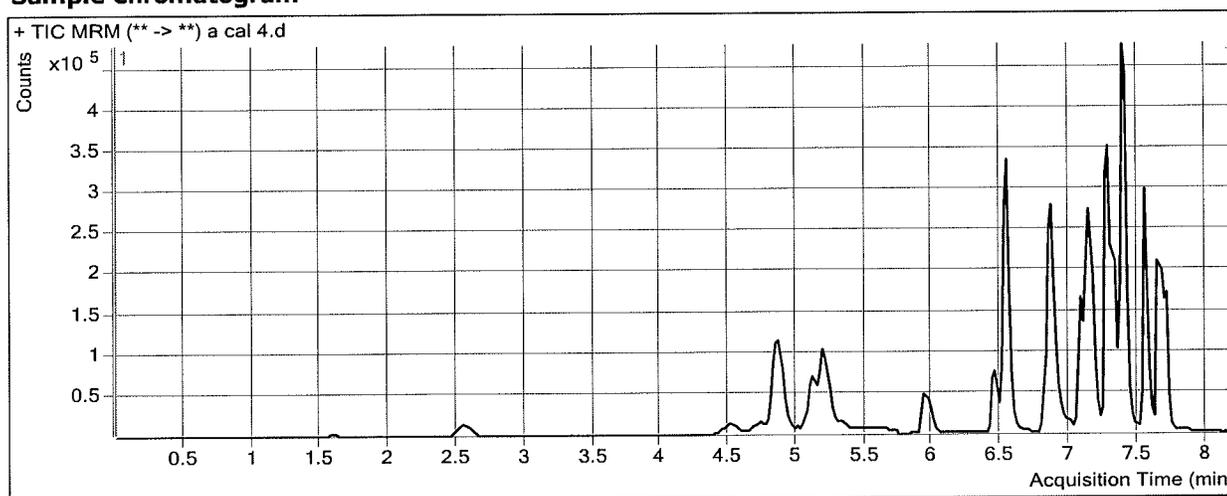
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 MDQ Panel 1.batch.bin  
**Analysis Time** 2/17/2017 9:03 AM **Analyst Name** ISP Tox  
**Report Time** 2/17/2017 9:07 AM **Reporter Name** ISP Tox  
**Last Calib Update** 2/17/2017 9:02 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2017-02-10 18:35 **Data File** a cal 4.d  
**Sample Type** Calibration **Sample Name** a cal 4  
**Dilution** 1 **Acq Method** Quant Panel 1a 11-18-2016.m  
**Position** P1-D1 **Sample Info**  
**Inj Vol** -1 **Comment**

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.608	8942	2187	4.0882	56.2792
Hydromorphone	Hydromorphone-D6	2.568	38715	23378	1.6560	50.9472
Codeine	Codeine-D6	4.532	16187	10191	1.5883	54.4545
6-MAM	6-MAM-D6	4.687	642	21168	0.0303	5.1468
Amphetamine	Amphetamine-D11	4.864	275664	38187	7.2187	58.4501
Oxycodone	Oxycodone-D6	4.870	91709	80400	1.1407	43.2068
Hydrocodone	Hydrocodone-D6	5.133	60239	62284	0.9672	49.7761
Methamphetamine	Methamphetamine-D11	5.202	267497	177520	1.5069	50.4140
Norhydrocodone	Norhydrocodone-D3	5.198	4747	25557	0.1857	49.0496
Phentermine	Phentermine-D5	5.986	50931	154638	0.3294	50.4384
Dextrorphan	Dextrorphan-D3	6.462	60783	87758	0.6926	49.5954
7-aminoclonazepam	7-Aminoclonazepam-D4	6.534	73607	57803	1.2734	53.6126
Tramadol	Tramadol-13C-D3	6.540	504572	446256	1.1307	52.3775
Doxylamine	Doxylamine-D5	6.862	450249	419604	1.0730	49.9842
Bupropion	Bupropion-D9	7.091	232310	182804	1.2708	57.3826
Zolpidem	Zolpidem-D6	7.142	307876	319851	0.9626	50.9846
Meprobamate	Meprobamate-D7	7.173	32120	34932	0.9195	47.5634
Venlafaxine	Venlafaxine-D6	7.265	434592	382571	1.1360	52.1861
Trazodone	Trazodone-D6	7.315	211611	183453	1.1535	51.0189
Citalopram	Citalopram-D6	7.377	237016	205297	1.1545	53.3340
Dextromethorphan	Dextromethorphan-D3	7.388	51376	45215	1.1363	50.8878
Diphenhydramine	Diphenhydramine-D3	7.412	409537	371391	1.1027	53.3242
Promethazine	Promethazine-D3	7.546	318475	315367	1.0099	52.5447

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

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<b>Compound</b>	<b>ISTD Compound</b>	<b>RT</b>	<b>Response</b>	<b>ISTD Resp</b>	<b>Resp Ratio</b>	<b>Final Conc</b>
Clonazepam	Clonazepam-D4	7.582	29404	7082	4.1518	53.6176
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.640	11038	5127	2.1527	85.9040
Carisoprodol	Carisoprodol-D7	7.672	171414	184313	0.9300	55.7781
Lorazepam	Alprazolam-D5	7.682	9395	105076	0.0894	41.9623
Alprazolam	Alprazolam-D5	7.705	137322	105076	1.3069	51.7296



# ISP FORENSICS - Cd'A Instrument # 62340

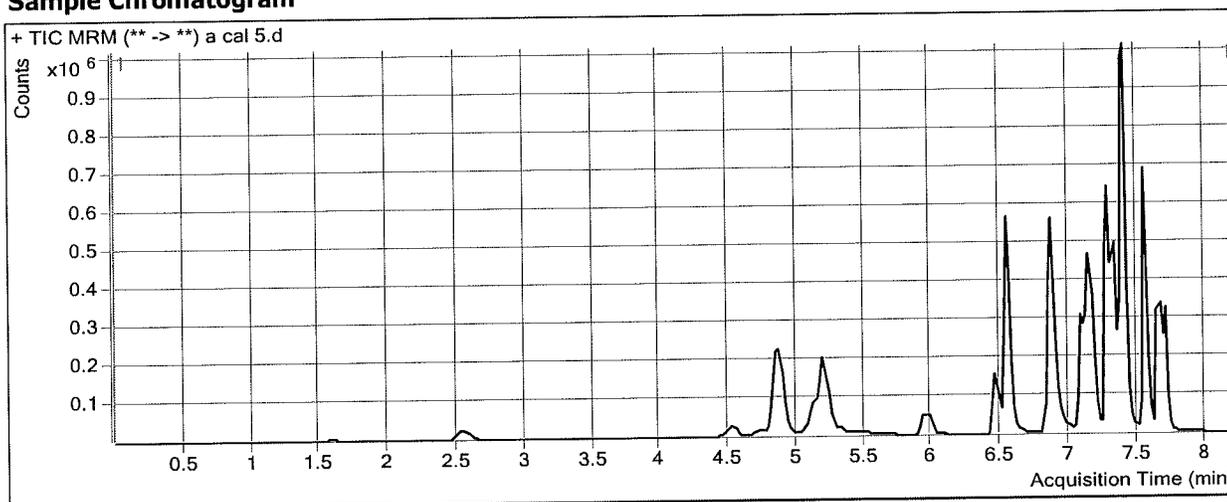
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 MDQ Panel 1.batch.bin  
**Analysis Time** 2/17/2017 9:03 AM **Analyst Name** ISP Tox  
**Report Time** 2/17/2017 9:07 AM **Reporter Name** ISP Tox  
**Last Calib Update** 2/17/2017 9:02 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2017-02-10 19:00 **Data File** a cal 5.d  
**Sample Type** Calibration **Sample Name** a cal 5  
**Dilution** 1 **Acq Method** Quant Panel 1a 11-18-2016.m  
**Position** P1-E1 **Sample Info**  
**Inj Vol** -1 **Comment**

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.608	17285	2311	7.4792	106.2082
Hydromorphone	Hydromorphone-D6	2.548	77908	24446	3.1870	97.7512
Codeine	Codeine-D6	4.532	33471	12427	2.6934	94.3961
6-MAM	6-MAM-D6	4.707	1165	23315	0.0500	9.1000
Amphetamine	Amphetamine-D11	4.864	545381	41984	12.9902	109.5158
Oxycodone	Oxycodone-D6	4.870	200867	86353	2.3261	83.4741
Hydrocodone	Hydrocodone-D6	5.133	123023	66092	1.8614	97.1506
Methamphetamine	Methamphetamine-D11	5.202	558537	187812	2.9739	91.4891
Norhydrocodone	Norhydrocodone-D3	5.198	9958	26470	0.3762	93.4415
Phentermine	Phentermine-D5	5.986	115071	171436	0.6712	106.9194
Dextrorphan	Dextrorphan-D3	6.462	143098	101129	1.4150	100.4732
7-aminoclonazepam	7-Aminoclonazepam-D4	6.534	149521	60653	2.4652	103.3328
Tramadol	Tramadol-13C-D3	6.540	1045035	466738	2.2390	103.9955
Doxylamine	Doxylamine-D5	6.862	1119176	525887	2.1282	98.4140
Bupropion	Bupropion-D9	7.111	513329	238447	2.1528	97.3199
Zolpidem	Zolpidem-D6	7.142	631154	347954	1.8139	95.6375
Meprobamate	Meprobamate-D7	7.193	69006	36941	1.8680	96.5917
Venlafaxine	Venlafaxine-D6	7.286	1005628	433445	2.3201	106.1413
Trazodone	Trazodone-D6	7.315	606591	249089	2.4352	107.2437
Citalopram	Citalopram-D6	7.377	538703	279949	1.9243	88.8424
Dextromethorphan	Dextromethorphan-D3	7.388	155785	67820	2.2970	102.8813
Diphenhydramine	Diphenhydramine-D3	7.412	1088857	518094	2.1017	101.3701
Promethazine	Promethazine-D3	7.546	964672	482825	1.9980	103.3955

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

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<b>Compound</b>	<b>ISTD Compound</b>	<b>RT</b>	<b>Response</b>	<b>ISTD Resp</b>	<b>Resp Ratio</b>	<b>Final Conc</b>
Clonazepam	Clonazepam-D4	7.582	60326	7342	8.2162	107.4395
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.640	24841	10440	2.3794	94.9512
Carisoprodol	Carisoprodol-D7	7.672	332309	186466	1.7821	110.3447
Lorazepam	Alprazolam-D5	7.682	21592	108793	0.1985	88.7335
Alprazolam	Alprazolam-D5	7.705	287483	108793	2.6425	103.3363



# ISP FORENSICS - Cd'A Instrument # 62340

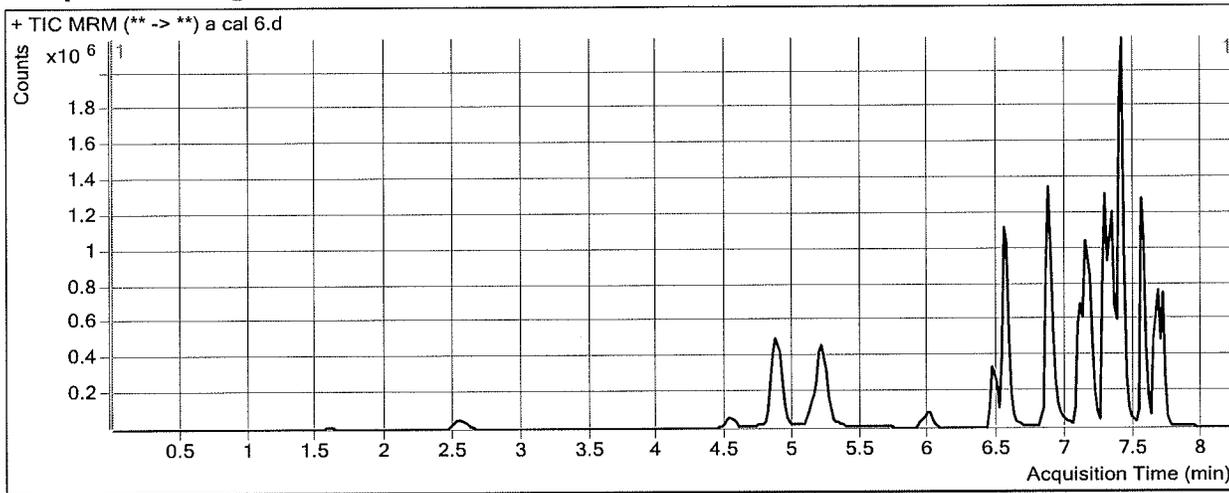
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 MDQ Panel 1.batch.bin  
**Analysis Time** 2/17/2017 9:03 AM **Analyst Name** ISP Tox  
**Report Time** 2/17/2017 9:07 AM **Reporter Name** ISP Tox  
**Last Calib Update** 2/17/2017 9:02 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2017-02-10 19:26 **Data File** a cal 6.d  
**Sample Type** Calibration **Sample Name** a cal 6  
**Dilution** 1 **Acq Method** Quant Panel 1a 11-18-2016.m  
**Position** P1-F1 **Sample Info**  
**Inj Vol** -1 **Comment**

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.608	45146	2477	18.2276	264.4662
Hydromorphone	Hydromorphone-D6	2.548	203786	24473	8.3270	254.8923
Codeine	Codeine-D6	4.532	86792	10546	8.2301	294.5080
6-MAM	6-MAM-D6	4.707	3173	22614	0.1403	27.2870
Amphetamine	Amphetamine-D11	4.884	1203982	46636	25.8167	223.0055
Oxycodone	Oxycodone-D6	4.890	501112	71196	7.0385	243.5413
Hydrocodone	Hydrocodone-D6	5.154	321438	64842	4.9573	261.1617
Methamphetamine	Methamphetamine-D11	5.222	1457876	182614	7.9834	231.7463
Norhydrocodone	Norhydrocodone-D3	5.218	25256	24450	1.0330	246.5033
Phentermine	Phentermine-D5	6.006	271888	163884	1.6590	270.1210
Dextrorphan	Dextrorphan-D3	6.462	360585	98195	3.6721	259.4437
7-aminoclonazepam	7-Aminoclonazepam-D4	6.554	377793	58924	6.4115	267.9685
Tramadol	Tramadol-13C-D3	6.540	2658570	460616	5.7718	268.5244
Doxylamine	Doxylamine-D5	6.862	2901326	536289	5.4100	249.0472
Bupropion	Bupropion-D9	7.111	1293301	224370	5.7641	260.8452
Zolpidem	Zolpidem-D6	7.142	1676805	357689	4.6879	246.3791
Meprobamate	Meprobamate-D7	7.193	186567	37777	4.9386	255.3032
Venlafaxine	Venlafaxine-D6	7.286	2495086	433054	5.7616	262.9588
Trazodone	Trazodone-D6	7.315	1413322	255478	5.5321	243.0895
Citalopram	Citalopram-D6	7.377	1483885	232980	6.3692	293.8733
Dextromethorphan	Dextromethorphan-D3	7.388	376851	69831	5.3966	241.7195
Diphenhydramine	Diphenhydramine-D3	7.412	2424659	492306	4.9251	237.1683
Promethazine	Promethazine-D3	7.546	2350534	475989	4.9382	254.7065

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

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<b>Compound</b>	<b>ISTD Compound</b>	<b>RT</b>	<b>Response</b>	<b>ISTD Resp</b>	<b>Resp Ratio</b>	<b>Final Conc</b>
Clonazepam	Clonazepam-D4	7.582	155860	7904	19.7184	259.7558
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.640	68646	9463	7.2538	289.5060
Carisoprodol	Carisoprodol-D7	7.672	788623	180053	4.3799	276.6980
Lorazepam	Alprazolam-D5	7.682	58113	100468	0.5784	251.6839
Alprazolam	Alprazolam-D5	7.705	687545	100468	6.8434	265.6579



# ISP FORENSICS - Cd'A Instrument # 62340

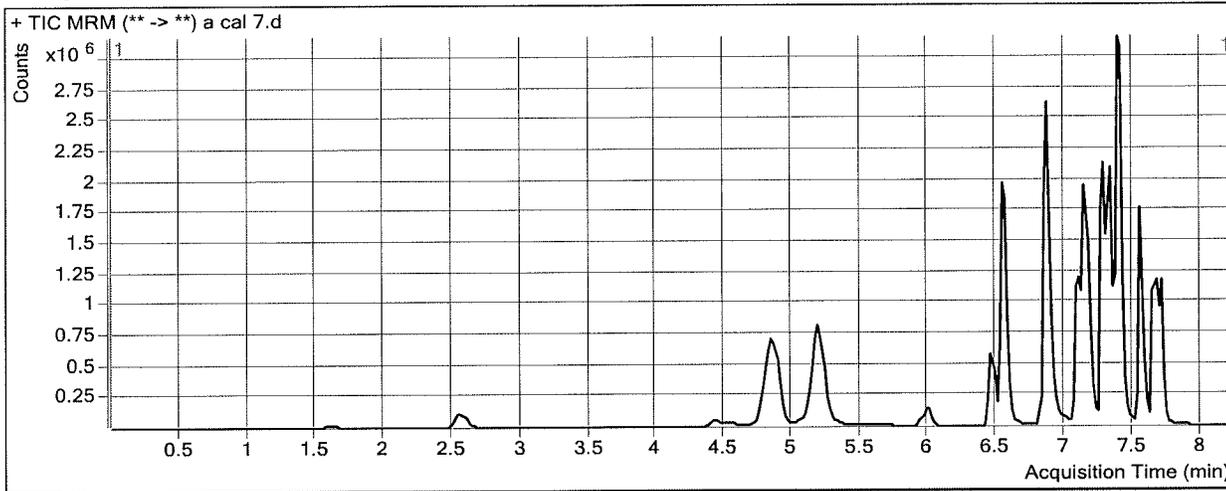
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 MDQ Panel 1.batch.bin  
**Analysis Time** 2/17/2017 9:03 AM **Analyst Name** ISP Tox  
**Report Time** 2/17/2017 9:07 AM **Reporter Name** ISP Tox  
**Last Calib Update** 2/17/2017 9:02 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2017-02-10 19:51 **Data File** a cal 7.d  
**Sample Type** Calibration **Sample Name** a cal 7  
**Dilution** 1 **Acq Method** Quant Panel 1a 11-18-2016.m  
**Position** P1-G1 **Sample Info**  
**Inj Vol** -1 **Comment**

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.608	86567	2357	36.7322	536.9268
Hydromorphone	Hydromorphone-D6	2.568	399887	24255	16.4870	504.3593
Codeine	Codeine-D6	4.552	43881	3302	13.2892	477.3572
6-MAM	6-MAM-D6	4.667	5425	22097	0.2455	48.4666
Amphetamine	Amphetamine-D11	4.864	2473485	42166	58.6612	513.6138
Oxycodone	Oxycodone-D6	4.870	1024488	58723	17.4460	597.0595
Hydrocodone	Hydrocodone-D6	5.133	605476	66487	9.1067	480.9879
Methamphetamine	Methamphetamine-D11	5.202	2946611	193292	15.2444	435.0413
Norhydrocodone	Norhydrocodone-D3	5.198	48948	23937	2.0449	482.3347
Phentermine	Phentermine-D5	5.986	506136	166523	3.0394	498.1891
Dextrorphan	Dextrorphan-D3	6.462	675371	95896	7.0427	496.8356
7-aminoclonazepam	7-Aminoclonazepam-D4	6.554	692290	56264	12.3044	513.8101
Tramadol	Tramadol-13C-D3	6.540	5058855	463124	10.9233	508.4450
Doxylamine	Doxylamine-D5	6.862	5277634	506997	10.4096	478.5231
Bupropion	Bupropion-D9	7.111	2556896	219833	11.6311	526.5061
Zolpidem	Zolpidem-D6	7.142	3258406	350672	9.2919	487.8613
Meprobamate	Meprobamate-D7	7.193	353637	36631	9.6541	499.0402
Venlafaxine	Venlafaxine-D6	7.286	4597584	428270	10.7352	489.5886
Trazodone	Trazodone-D6	7.315	2770324	224776	12.3248	541.0603
Citalopram	Citalopram-D6	7.377	2407147	220839	10.9000	502.8709
Dextromethorphan	Dextromethorphan-D3	7.388	596910	50054	11.9253	534.1554
Diphenhydramine	Diphenhydramine-D3	7.412	4442358	428388	10.3699	499.0465
Promethazine	Promethazine-D3	7.546	3154214	326533	9.6597	497.6859

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

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<b>Compound</b>	<b>ISTD Compound</b>	<b>RT</b>	<b>Response</b>	<b>ISTD Resp</b>	<b>Resp Ratio</b>	<b>Final Conc</b>
Clonazepam	Clonazepam-D4	7.582	286829	7411	38.7007	511.1275
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.640	124573	10056	12.3875	494.4103
Carisoprodol	Carisoprodol-D7	7.672	1424643	162109	8.7882	558.9861
Lorazepam	Alprazolam-D5	7.682	105442	100112	1.0532	455.3183
Alprazolam	Alprazolam-D5	7.705	1236707	100112	12.3533	478.5565



# ISP FORENSICS - Cd'A Instrument # 62340

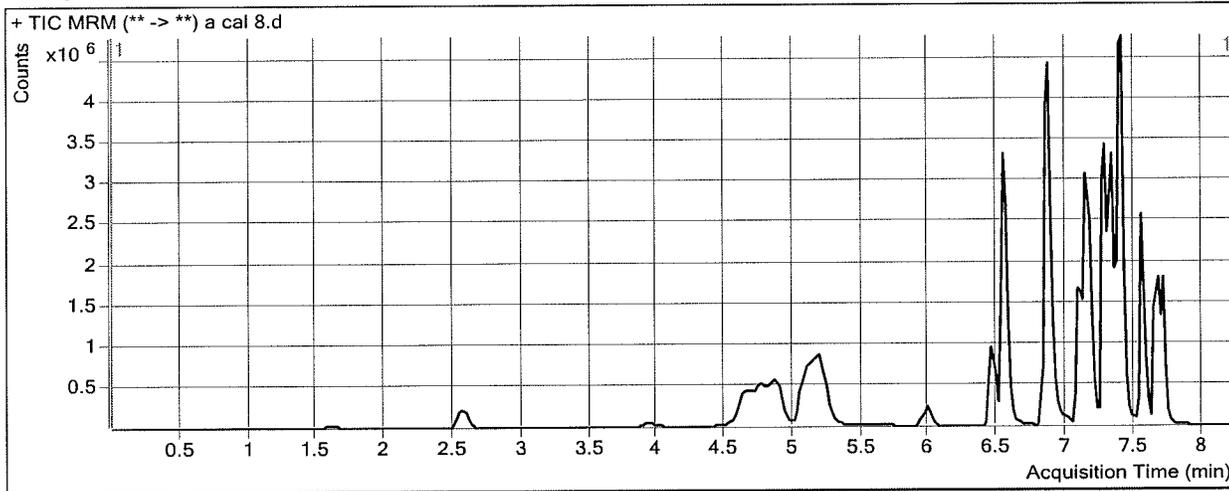
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 MDQ Panel 1.batch.bin  
**Analysis Time** 2/17/2017 9:03 AM **Analyst Name** ISP Tox  
**Report Time** 2/17/2017 9:07 AM **Reporter Name** ISP Tox  
**Last Calib Update** 2/17/2017 9:02 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2017-02-10 20:17 **Data File** a cal 8.d  
**Sample Type** Calibration **Sample Name** a cal 8  
**Dilution** 1 **Acq Method** Quant Panel 1a 11-18-2016.m  
**Position** P1-H1 **Sample Info**  
**Inj Vol** -1 **Comment**

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.608	149787	2342	63.9571	937.7839
Hydromorphone	Hydromorphone-D6	2.568	683411	21058	32.4533	992.4806
Codeine	Codeine-D6	4.552	48954	1795	27.2796	983.0042
6-MAM	6-MAM-D6	4.727	2560	18181	0.1408	27.3891
Amphetamine	Amphetamine-D11	4.864	1401026	16552	84.6419	743.4910
Oxycodone	Oxycodone-D6	4.890	596691	21836	27.3266	932.6791
Hydrocodone	Hydrocodone-D6	5.133	1102532	57611	19.1376	1012.4010
Methamphetamine	Methamphetamine-D11	5.202	5430141	141001	38.5113	1086.4773
Norhydrocodone	Norhydrocodone-D3	5.198	90361	20642	4.3775	1025.9725
Phentermine	Phentermine-D5	5.986	886200	149156	5.9414	977.6437
Dextrorphan	Dextrorphan-D3	6.462	1188677	84253	14.1085	994.4818
7-aminoclonazepam	7-Aminoclonazepam-D4	6.534	1124657	48769	23.0610	962.5648
Tramadol	Tramadol-13C-D3	6.540	8533268	410404	20.7923	968.0680
Doxylamine	Doxylamine-D5	6.862	10201770	458482	22.2512	1022.0403
Bupropion	Bupropion-D9	7.111	3515915	165930	21.1892	959.3069
Zolpidem	Zolpidem-D6	7.142	5951162	306300	19.4292	1019.5670
Meprobamate	Meprobamate-D7	7.193	623450	32147	19.3936	1002.4584
Venlafaxine	Venlafaxine-D6	7.286	7996262	368518	21.6984	989.1393
Trazodone	Trazodone-D6	7.315	4063080	185966	21.8485	958.8266
Citalopram	Citalopram-D6	7.377	3463755	166233	20.8368	961.2302
Dextromethorphan	Dextromethorphan-D3	7.388	1147136	52934	21.6709	970.6871
Diphenhydramine	Diphenhydramine-D3	7.412	6182176	361053	17.1226	823.8281
Promethazine	Promethazine-D3	7.546	4820074	250418	19.2481	991.1262

# 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	7.582	450774	6137	73.4531	971.3320
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.640	211510	8718	24.2614	968.3352
Carisoprodol	Carisoprodol-D7	7.672	1751488	123931	14.1327	901.2305
Lorazepam	Alprazolam-D5	7.682	183082	74356	2.4622	1059.5912
Alprazolam	Alprazolam-D5	7.705	1922732	74356	25.8586	1000.3931



# ISP FORENSICS - Cd'A Instrument # 62340

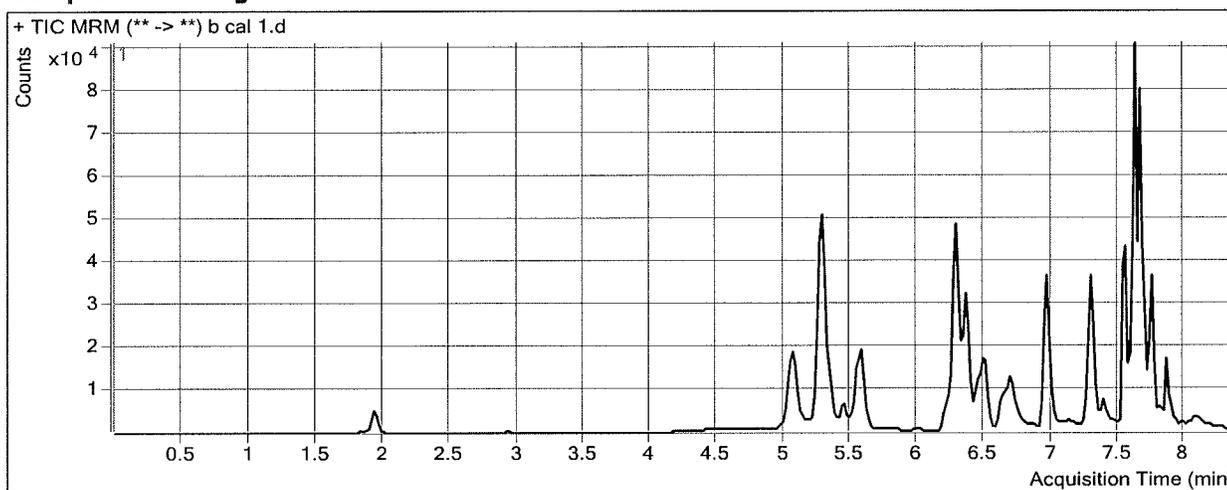
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 mdq panel 1b.batch.bin  
**Analysis Time** 2/16/2017 1:40 PM **Analyst Name** ISP Tox  
**Report Time** 2/16/2017 1:45 PM **Reporter Name** ISP Tox  
**Last Calib Update** 2/16/2017 1:40 PM **Batch State** Processed

### Analysis Info

**Acq Time** 2017-02-10 17:31 **Data File** b cal 1.d  
**Sample Type** Calibration **Sample Name** b cal 1  
**Dilution** 1 **Acq Method** Quant Panel 1b 11-18-2016.m  
**Position** P1-A1 **Sample Info**  
**Inj Vol** -1 **Comment**

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.948	1812	16273	0.1113	5.4514
Naloxone	Naloxone-D5	4.669	47	1045	0.0448	2.1362
Noroxycodone	Noroxycodone-D3	5.017	431	3923	0.1098	4.7683
Naltrexone	Naltrexone-D3	5.192	421	5559	0.0758	4.5562
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.304	123	21240	0.0058	0.4220
Naltrexol	Naltrexol-D3	5.451	1640	13136	0.1249	4.3011
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.579	7582	70038	0.1083	4.9964
Ketamine	Ketamine-D4	6.239	3237	19129	0.1692	5.2136
Norfentanyl	Norfentanyl-D5	6.324	1687	148042	0.0114	0.5080
Dextrorphan	Dextrorphan-D3	6.475	6578	70988	0.0927	5.1570
alpha-PVP	alpha-PVP-d8	6.688	8387	72610	0.1155	5.7781
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.981	1123	125919	0.0089	0.4984
Norbuprenorphine	Norbuprenorphine-D3	7.255	158	6384	0.0247	1.0662
Fentanyl	Fentanyl-D5	7.299	857	85573	0.0100	0.4755
EDDP	EDDP-D3	7.390	1317	13224	0.0996	5.5057
Cyclobenzaprine	Cyclobenzaprine-D3	7.613	5237	47097	0.1112	4.7319
Quetiapine	Quetiapine-D8	7.540	15452	47339	0.3264	3.8247
Methadone	Methadone-D9	7.623	11016	144674	0.0761	5.0555
Oxazepam	Oxazepam-D5	7.710	533	6111	0.0872	6.0130
Fluoxetine	Fluoxetine-D6	7.665	13361	130502	0.1024	4.7300
Sertraline	Sertraline-D3	7.726	3158	28832	0.1095	5.5443
Nordiazepam	Nordiazepam-D5	7.836	1095	6134	0.1785	4.8986
Diazepam	Diazepam-D5	7.871	3176	23526	0.1350	5.2561

# ISP FORENSICS - Cd'A Instrument # 62340

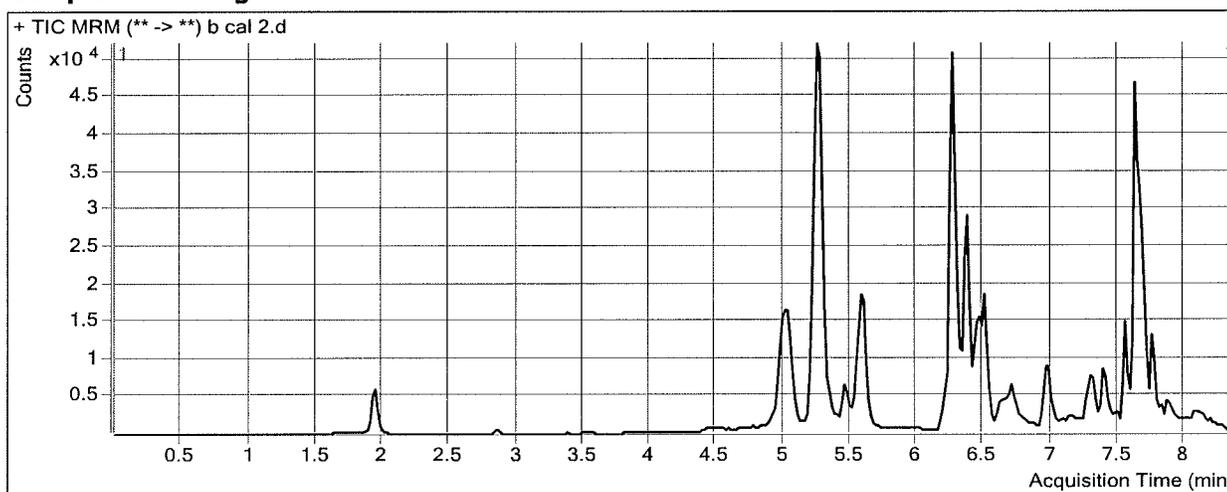
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 mdq panel 1b.batch.bin		
<b>Analysis Time</b>	2/16/2017 1:40 PM	<b>Analyst Name</b>	ISP Tox
<b>Report Time</b>	2/16/2017 1:45 PM	<b>Reporter Name</b>	ISP Tox
<b>Last Calib Update</b>	2/16/2017 1:40 PM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2017-02-10 17:57	<b>Data File</b>	b cal 2.d
<b>Sample Type</b>	Calibration	<b>Sample Name</b>	b cal 2
<b>Dilution</b>	1	<b>Acq Method</b>	Quant Panel 1b 11-18-2016.m
<b>Position</b>	P1-B1	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.948	3419	16181	0.2113	9.5306
Noroxycodone	Noroxycodone-D3	5.017	319	2668	0.1195	5.2056
Naltrexone	Naltrexone-D3	5.212	398	2356	0.1689	8.5538
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.324	555	21510	0.0258	1.2670
Naltrexol	Naltrexol-D3	5.451	3689	12238	0.3014	10.9248
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.598	12610	66548	0.1895	8.5157
Ketamine	Ketamine-D4	6.361	1498	5275	0.2839	9.8023
Norfentanyl	Norfentanyl-D5	6.284	3903	170391	0.0229	1.0063
Dextrorphan	Dextrorphan-D3	6.495	13414	71713	0.1871	9.5327
alpha-PVP	alpha-PVP-d8	6.709	5908	31937	0.1850	8.4540
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.981	590	33052	0.0179	0.9717
Norbuprenorphine	Norbuprenorphine-D3	7.255	103	5054	0.0203	0.8569
Fentanyl	Fentanyl-D5	7.319	356	14571	0.0244	1.1040
EDDP	EDDP-D3	7.390	3070	16263	0.1888	9.2811
Cyclobenzaprine	Cyclobenzaprine-D3	7.613	3402	14505	0.2345	10.1166
Quetiapine	Quetiapine-D8	7.540	8840	13627	0.6487	8.2560
Methadone	Methadone-D9	7.643	11268	83047	0.1357	8.2446
Oxazepam	Oxazepam-D5	7.710	402	1840	0.2183	11.4945
Fluoxetine	Fluoxetine-D6	7.685	10039	50946	0.1971	9.1831
Sertraline	Sertraline-D3	7.746	842	5490	0.1533	7.4384
Nordiazepam	Nordiazepam-D5	7.836	550	1453	0.3786	9.9763
Diazepam	Diazepam-D5	7.891	995	4003	0.2486	9.3511

# ISP FORENSICS - Cd'A Instrument # 62340

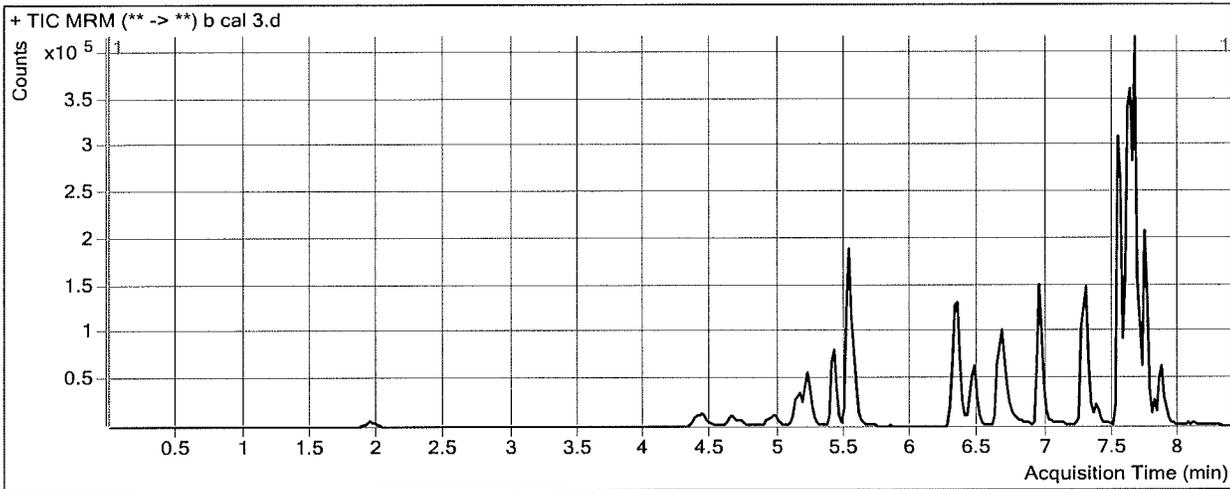
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 mdq panel 1b.batch.bin  
**Analysis Time** 2/16/2017 1:40 PM **Analyst Name** ISP Tox  
**Report Time** 2/16/2017 1:45 PM **Reporter Name** ISP Tox  
**Last Calib Update** 2/16/2017 1:40 PM **Batch State** Processed

### Analysis Info

**Acq Time** 2017-02-10 18:22 **Data File** b cal 3.d  
**Sample Type** Calibration **Sample Name** b cal 3  
**Dilution** 1 **Acq Method** Quant Panel 1b 11-18-2016.m  
**Position** P1-C1 **Sample Info**  
**Inj Vol** -1 **Comment**

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.968	11828	20733	0.5705	24.1879
Dihydrocodeine	Dihydrocodeine-D6	4.457	26188	47262	0.5541	24.6378
Naloxone	Naloxone-D5	4.713	15489	43770	0.3539	20.2561
Noroxycodone	Noroxycodone-D3	4.977	16248	30565	0.5316	23.8778
Naltrexone	Naltrexone-D3	5.152	35578	59468	0.5983	26.9891
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.264	10275	193483	0.0531	2.4228
Naltrexol	Naltrexol-D3	5.410	91382	138645	0.6591	24.3434
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.539	220838	376958	0.5858	25.6884
Ketamine	Ketamine-D4	6.321	88312	140585	0.6282	23.5818
Norfentanyl	Norfentanyl-D5	6.364	15579	291631	0.0534	2.3277
Dextrorphan	Dextrorphan-D3	6.455	53929	104094	0.5181	24.8763
alpha-PVP	alpha-PVP-d8	6.668	157121	244844	0.6417	26.0409
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.962	20074	432233	0.0464	2.4863
Norbuprenorphine	Norbuprenorphine-D3	7.235	603	10787	0.0559	2.5656
Fentanyl	Fentanyl-D5	7.279	21672	384877	0.0563	2.4934
EDDP	EDDP-D3	7.370	18430	33056	0.5576	24.8918
Cyclobenzaprine	Cyclobenzaprine-D3	7.593	106546	186870	0.5702	24.7697
Sufentanil	Sufentanil-D5	7.518	13942	260314	0.0536	2.3329
Quetiapine	Quetiapine-D8	7.540	268067	132417	2.0244	27.1714
Buprenorphine	Buprenorphine-D4	7.636	5566	84349	0.0660	2.2932
Methadone	Methadone-D9	7.623	190632	410334	0.4646	25.8621
Oxazepam	Oxazepam-D5	7.689	6978	14397	0.4847	22.6264
Fluoxetine	Fluoxetine-D6	7.665	292501	545130	0.5366	25.1525

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

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<b>Compound</b>	<b>ISTD Compound</b>	<b>RT</b>	<b>Response</b>	<b>ISTD Resp</b>	<b>Resp Ratio</b>	<b>Final Conc</b>
Sertraline	Sertraline-D3	7.726	79489	132965	0.5978	26.6576
Temazepam	Temazepam-D5	7.748	56345	107735	0.5230	25.7887
Nordiazepam	Nordiazepam-D5	7.815	16874	17334	0.9734	25.0730
Diazepam	Diazepam-D5	7.891	41543	103335	0.4020	14.8847



# ISP FORENSICS - Cd'A Instrument # 62340

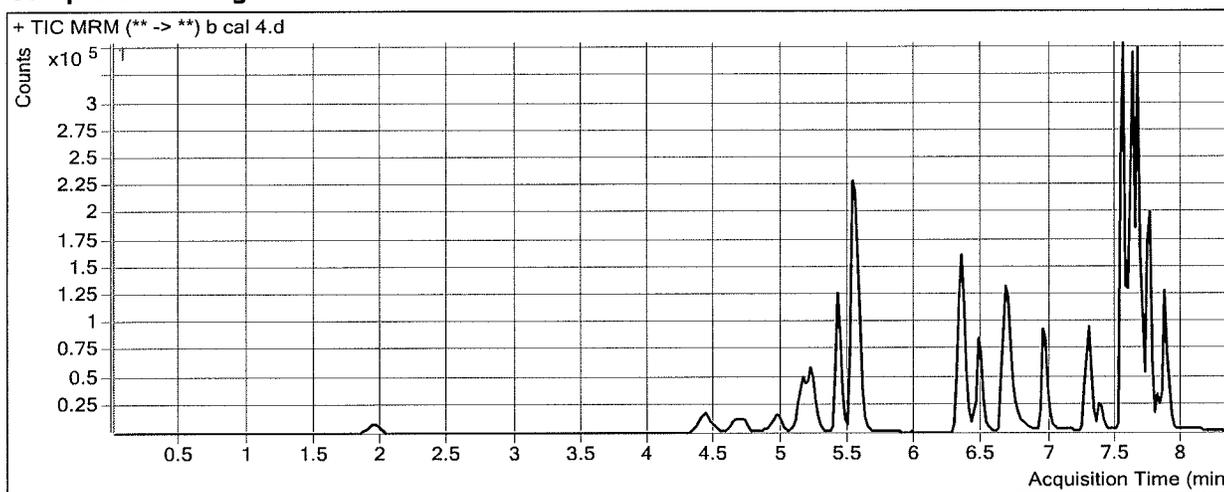
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 mdq panel 1b.batch.bin		
<b>Analysis Time</b>	2/16/2017 1:40 PM	<b>Analyst Name</b>	ISP Tox
<b>Report Time</b>	2/16/2017 1:45 PM	<b>Reporter Name</b>	ISP Tox
<b>Last Calib Update</b>	2/16/2017 1:40 PM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2017-02-10 18:48	<b>Data File</b>	b cal 4.d
<b>Sample Type</b>	Calibration	<b>Sample Name</b>	b cal 4
<b>Dilution</b>	1	<b>Acq Method</b>	Quant Panel 1b 11-18-2016.m
<b>Position</b>	P1-D1	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.948	23658	19700	1.2009	49.9172
Dihydrocodeine	Dihydrocodeine-D6	4.437	49418	45213	1.0930	48.4902
Naloxone	Naloxone-D5	4.713	31562	37334	0.8454	49.0715
Noroxycodone	Noroxycodone-D3	4.977	32659	28614	1.1414	51.5063
Naltrexone	Naltrexone-D3	5.152	69029	60347	1.1439	50.4131
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.264	21126	197990	0.1067	4.6899
Naltrexol	Naltrexol-D3	5.410	189420	136307	1.3897	51.7499
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.559	444948	363488	1.2241	53.3418
Ketamine	Ketamine-D4	6.321	171825	134962	1.2731	49.3949
Norfentanyl	Norfentanyl-D5	6.364	30953	274882	0.1126	4.8905
Dextrorphan	Dextrorphan-D3	6.455	99366	93287	1.0652	50.2354
alpha-PVP	alpha-PVP-d8	6.668	288903	219656	1.3153	51.9767
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.962	25831	268002	0.0964	5.1320
Norbuprenorphine	Norbuprenorphine-D3	7.255	853	7557	0.1129	5.3016
Fentanyl	Fentanyl-D5	7.279	25162	210937	0.1193	5.2384
EDDP	EDDP-D3	7.370	32715	28787	1.1365	49.3996
Cyclobenzaprine	Cyclobenzaprine-D3	7.593	123733	104236	1.1870	51.7023
Sufentanil	Sufentanil-D5	7.539	17547	142303	0.1233	5.4404
Quetiapine	Quetiapine-D8	7.540	427439	105241	4.0615	55.1803
Buprenorphine	Buprenorphine-D4	7.656	7539	54018	0.1396	5.3130
Methadone	Methadone-D9	7.623	229012	237095	0.9659	52.7160
Oxazepam	Oxazepam-D5	7.710	13613	13535	1.0058	44.4054
Fluoxetine	Fluoxetine-D6	7.665	328969	298985	1.1003	51.6673

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

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<b>Compound</b>	<b>ISTD Compound</b>	<b>RT</b>	<b>Response</b>	<b>ISTD Resp</b>	<b>Resp Ratio</b>	<b>Final Conc</b>
Sertraline	Sertraline-D3	7.726	95243	79977	1.1909	52.3018
Temazepam	Temazepam-D5	7.748	108271	100599	1.0763	50.7387
Nordiazepam	Nordiazepam-D5	7.815	30386	16436	1.8487	47.2854
Diazepam	Diazepam-D5	7.871	136645	67631	2.0205	73.2397



# ISP FORENSICS - Cd'A Instrument # 62340

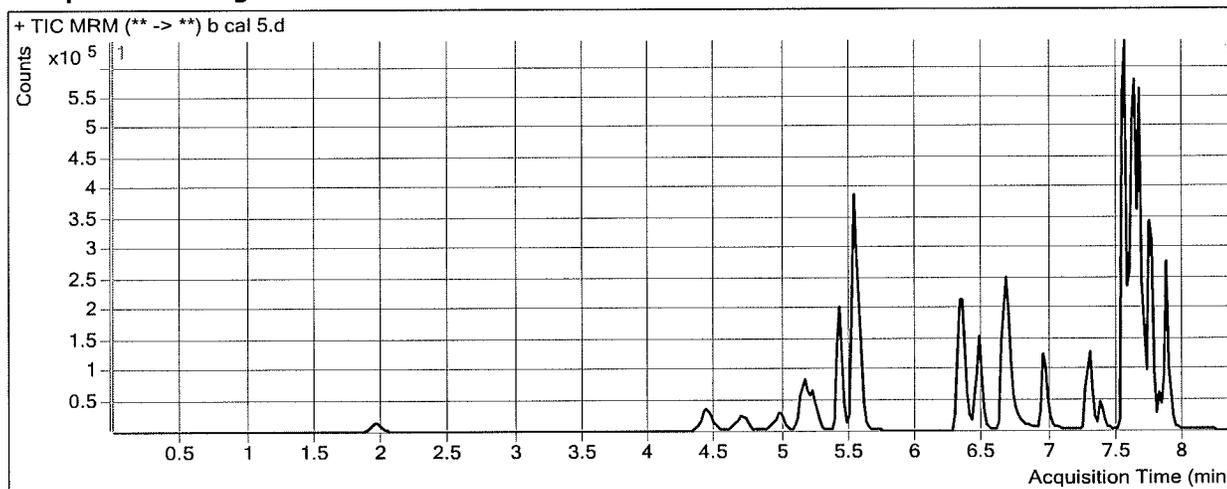
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 mdq panel 1b.batch.bin  
**Analysis Time** 2/16/2017 1:40 PM **Analyst Name** ISP Tox  
**Report Time** 2/16/2017 1:45 PM **Reporter Name** ISP Tox  
**Last Calib Update** 2/16/2017 1:40 PM **Batch State** Processed

### Analysis Info

**Acq Time** 2017-02-10 19:13 **Data File** b cal 5.d  
**Sample Type** Calibration **Sample Name** b cal 5  
**Dilution** 1 **Acq Method** Quant Panel 1b 11-18-2016.m  
**Position** P1-E1 **Sample Info**  
**Inj Vol** -1 **Comment**

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.968	48347	20487	2.3600	97.2182
Dihydrocodeine	Dihydrocodeine-D6	4.437	107433	47381	2.2674	100.4718
Naloxone	Naloxone-D5	4.713	69503	35014	1.9850	115.8810
Noroxycodone	Noroxycodone-D3	4.977	67217	31452	2.1371	96.6212
Naltrexone	Naltrexone-D3	5.152	143025	61469	2.3268	101.1992
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.264	42673	193546	0.2205	9.5025
Naltrexol	Naltrexol-D3	5.410	378461	137533	2.7518	102.8501
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.539	882431	370622	2.3809	103.4629
Ketamine	Ketamine-D4	6.321	362473	141633	2.5592	100.8684
Norfentanyl	Norfentanyl-D5	6.364	64645	288536	0.2240	9.7159
Dextroprphan	Dextroprphan-D3	6.455	217163	102035	2.1283	99.5150
alpha-PVP	alpha-PVP-d8	6.668	625407	239271	2.6138	101.9797
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.962	57149	313969	0.1820	9.6688
Norbuprenorphine	Norbuprenorphine-D3	7.255	1727	8619	0.2003	9.4966
Fentanyl	Fentanyl-D5	7.279	55151	249187	0.2213	9.6858
EDDP	EDDP-D3	7.370	76571	32382	2.3646	101.3907
Cyclobenzaprine	Cyclobenzaprine-D3	7.593	283385	121433	2.3337	101.7627
Sufentanil	Sufentanil-D5	7.518	37267	174423	0.2137	9.4659
Quetiapine	Quetiapine-D8	7.540	946155	114700	8.2490	112.7551
Buprenorphine	Buprenorphine-D4	7.636	15516	60308	0.2573	10.1445
Methadone	Methadone-D9	7.623	538733	278776	1.9325	104.4910
Oxazepam	Oxazepam-D5	7.689	29546	13438	2.1986	94.2605
Fluoxetine	Fluoxetine-D6	7.665	747013	332110	2.2493	105.7120

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

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<b>Compound</b>	<b>ISTD Compound</b>	<b>RT</b>	<b>Response</b>	<b>ISTD Resp</b>	<b>Resp Ratio</b>	<b>Final Conc</b>
Sertraline	Sertraline-D3	7.726	207044	90805	2.2801	99.3990
Temazepam	Temazepam-D5	7.748	198829	103261	1.9255	89.0369
Nordiazepam	Nordiazepam-D5	7.815	63824	15909	4.0118	102.1795
Diazepam	Diazepam-D5	7.871	279318	104584	2.6708	96.6876



# ISP FORENSICS - Cd'A Instrument # 62340

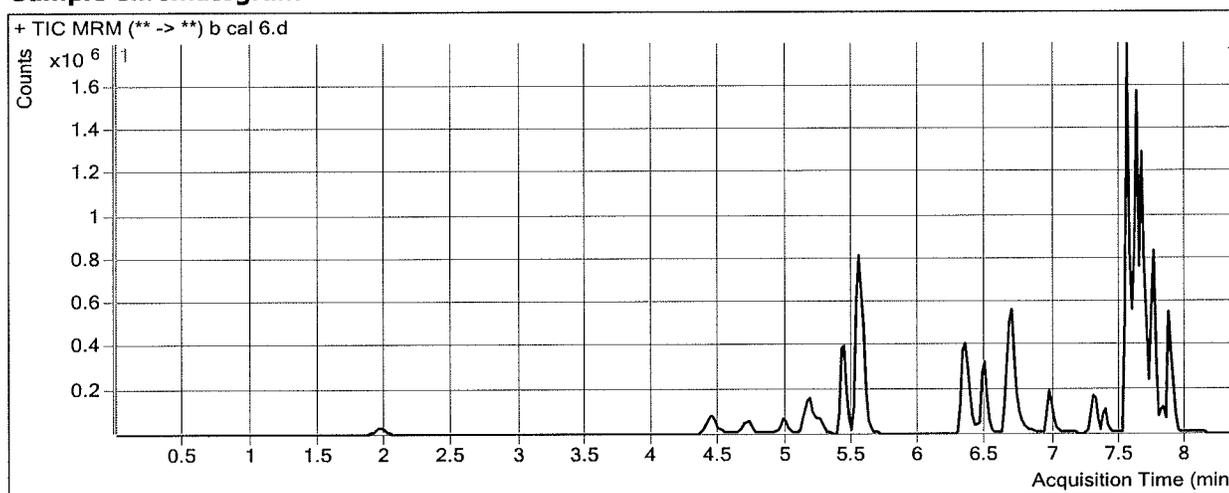
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 mdq panel 1b.batch.bin  
**Analysis Time** 2/16/2017 1:40 PM **Analyst Name** ISP Tox  
**Report Time** 2/16/2017 1:45 PM **Reporter Name** ISP Tox  
**Last Calib Update** 2/16/2017 1:40 PM **Batch State** Processed

### Analysis Info

**Acq Time** 2017-02-10 19:39 **Data File** b cal 6.d  
**Sample Type** Calibration **Sample Name** b cal 6  
**Dilution** 1 **Acq Method** Quant Panel 1b 11-18-2016.m  
**Position** P1-F1 **Sample Info**  
**Inj Vol** -1 **Comment**

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.968	124743	19957	6.2507	256.0001
Dihydrocodeine	Dihydrocodeine-D6	4.457	269161	46346	5.8077	257.1712
Naloxone	Naloxone-D5	4.713	179692	39120	4.5933	268.7856
Noroxycodone	Noroxycodone-D3	4.977	173025	29597	5.8461	264.6656
Naltrexone	Naltrexone-D3	5.172	337092	57127	5.9007	254.6376
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.284	116589	196101	0.5945	25.3245
Naltrexol	Naltrexol-D3	5.430	949215	137180	6.9195	259.2011
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.559	2268631	378545	5.9930	259.9597
Ketamine	Ketamine-D4	6.321	941150	142955	6.5836	261.9320
Norfentanyl	Norfentanyl-D5	6.384	172653	285083	0.6056	26.2384
Dextroprphan	Dextroprphan-D3	6.475	567945	102715	5.5293	257.1599
alpha-PVP	alpha-PVP-d8	6.688	1637452	241449	6.7818	262.4752
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.962	164300	340677	0.4823	25.5754
Norbuprenorphine	Norbuprenorphine-D3	7.255	3582	7421	0.4827	23.0535
Fentanyl	Fentanyl-D5	7.299	157960	259813	0.6080	26.5385
EDDP	EDDP-D3	7.390	212611	38176	5.5693	237.0567
Cyclobenzaprine	Cyclobenzaprine-D3	7.613	784852	134371	5.8409	254.8858
Sufentanil	Sufentanil-D5	7.539	112367	192035	0.5851	26.0166
Quetiapine	Quetiapine-D8	7.540	2390549	123433	19.3671	265.6232
Buprenorphine	Buprenorphine-D4	7.656	41562	63655	0.6529	26.3829
Methadone	Methadone-D9	7.623	1378282	277700	4.9632	266.8314
Oxazepam	Oxazepam-D5	7.710	67263	13624	4.9371	208.7127
Fluoxetine	Fluoxetine-D6	7.665	2050598	350874	5.8443	274.8044

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

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<b>Compound</b>	<b>ISTD Compound</b>	<b>RT</b>	<b>Response</b>	<b>ISTD Resp</b>	<b>Resp Ratio</b>	<b>Final Conc</b>
Sertraline	Sertraline-D3	7.726	593811	96695	6.1411	266.3462
Temazepam	Temazepam-D5	7.748	540320	91385	5.9126	268.8395
Nordiazepam	Nordiazepam-D5	7.836	159811	15483	10.3219	262.3129
Diazepam	Diazepam-D5	7.871	697789	99418	7.0187	253.4599



# ISP FORENSICS - Cd'A Instrument # 62340

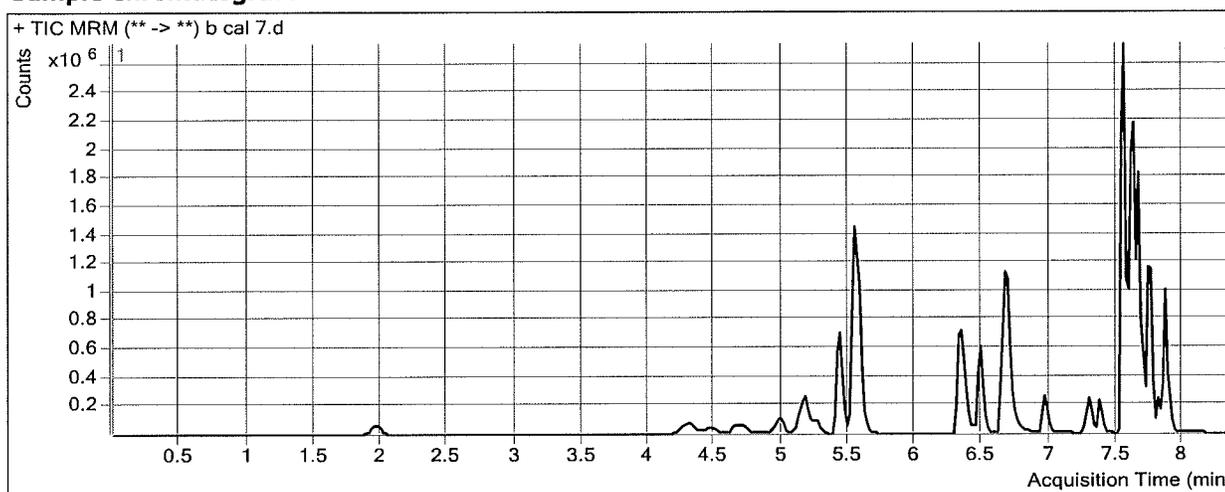
## Multi-Drug Confirmatory Analysis Report

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**Analysis Time** 2/16/2017 1:40 PM **Analyst Name** ISP Tox  
**Report Time** 2/16/2017 1:45 PM **Reporter Name** ISP Tox  
**Last Calib Update** 2/16/2017 1:40 PM **Batch State** Processed

### Analysis Info

**Acq Time** 2017-02-10 20:04 **Data File** b cal 7.d  
**Sample Type** Calibration **Sample Name** b cal 7  
**Dilution** 1 **Acq Method** Quant Panel 1b 11-18-2016.m  
**Position** P1-G1 **Sample Info**  
**Inj Vol** -1 **Comment**

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.968	244795	20141	12.1540	496.9179
Dihydrocodeine	Dihydrocodeine-D6	4.477	160017	13701	11.6791	517.0534
Naloxone	Naloxone-D5	4.669	388631	39547	9.8270	575.6023
Noroxycodone	Noroxycodone-D3	4.977	362257	29958	12.0922	547.6620
Naltrexone	Naltrexone-D3	5.172	591666	53268	11.1074	478.1774
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.284	225759	186066	1.2133	51.4982
Naltrexol	Naltrexol-D3	5.430	1727872	133099	12.9818	486.6296
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.559	4363797	381207	11.4473	496.2716
Ketamine	Ketamine-D4	6.321	1843359	147017	12.5384	500.2587
Norfentanyl	Norfentanyl-D5	6.384	336602	286488	1.1749	50.8894
Dextrophan	Dextrophan-D3	6.475	1086340	101239	10.7305	498.2459
alpha-PVP	alpha-PVP-d8	6.668	3341831	248267	13.4606	519.6567
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.962	299039	319618	0.9356	49.5921
Norbuprenorphine	Norbuprenorphine-D3	7.255	7173	6596	1.0874	52.0828
Fentanyl	Fentanyl-D5	7.279	257892	230396	1.1193	48.8270
EDDP	EDDP-D3	7.370	436685	36164	12.0751	512.4743
Cyclobenzaprine	Cyclobenzaprine-D3	7.593	1252729	112066	11.1785	487.9168
Sufentanil	Sufentanil-D5	7.518	189444	168933	1.1214	49.9093
Quetiapine	Quetiapine-D8	7.540	4530687	110760	40.9053	561.7590
Buprenorphine	Buprenorphine-D4	7.636	62578	54546	1.1473	46.6712
Methadone	Methadone-D9	7.623	2576986	284247	9.0660	486.5985
Oxazepam	Oxazepam-D5	7.689	157547	12603	12.5010	524.8480
Fluoxetine	Fluoxetine-D6	7.665	2811322	280607	10.0187	471.1540

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

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<b>Compound</b>	<b>ISTD Compound</b>	<b>RT</b>	<b>Response</b>	<b>ISTD Resp</b>	<b>Resp Ratio</b>	<b>Final Conc</b>
Sertraline	Sertraline-D3	7.726	876160	76928	11.3894	493.2823
Temazepam	Temazepam-D5	7.748	1054739	96061	10.9798	497.3554
Nordiazepam	Nordiazepam-D5	7.815	288156	14283	20.1747	512.3508
Diazepam	Diazepam-D5	7.871	1261569	96810	13.0313	470.2542



# ISP FORENSICS - Cd'A Instrument # 62340

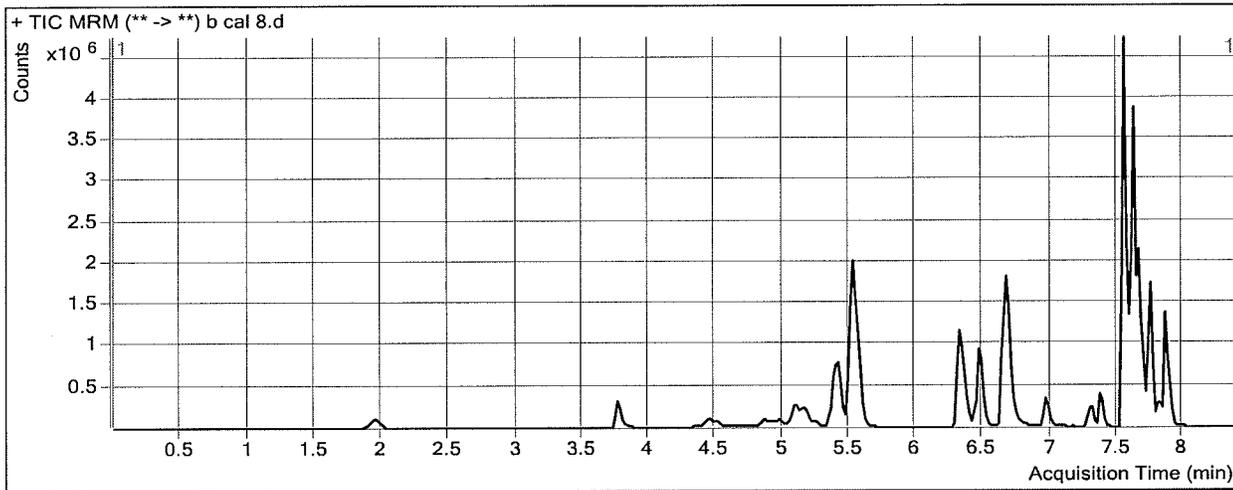
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	D:\2017 Data\2-10-17 multidrug quant panel 1\QuantResults\2-10-17 mdq panel 1b.batch.bin		
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<b>Report Time</b>	2/16/2017 1:45 PM	<b>Reporter Name</b>	ISP Tox
<b>Last Calib Update</b>	2/16/2017 1:40 PM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2017-02-10 20:29	<b>Data File</b>	b cal 8.d
<b>Sample Type</b>	Calibration	<b>Sample Name</b>	b cal 8
<b>Dilution</b>	1	<b>Acq Method</b>	Quant Panel 1b 11-18-2016.m
<b>Position</b>	P1-H1	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.968	419169	17109	24.5003	1000.7767
Dihydrocodeine	Dihydrocodeine-D6	4.457	135180	6124	22.0745	977.1757
Naloxone	Naloxone-D5	4.713	134409	8585	15.6565	917.3480
Noroxycodone	Noroxycodone-D3	4.878	421708	20302	20.7714	940.8988
Naltrexone	Naltrexone-D3	5.092	889810	37722	23.5885	1014.0273
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.184	384982	164991	2.3334	98.8733
Naltrexol	Naltrexol-D3	5.410	2862658	109685	26.0988	978.7129
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.539	7616290	334174	22.7914	987.7635
Ketamine	Ketamine-D4	6.321	3010789	121654	24.7487	988.9482
Norfentanyl	Norfentanyl-D5	6.364	603235	252193	2.3920	103.5876
Dextrorphan	Dextrorphan-D3	6.455	1829347	85271	21.4534	995.2778
alpha-PVP	alpha-PVP-d8	6.668	5028345	201047	25.0108	964.4168
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.962	494951	262156	1.8880	100.0469
Norbuprenorphine	Norbuprenorphine-D3	7.255	10067	6197	1.6244	77.8609
Fentanyl	Fentanyl-D5	7.299	352508	154104	2.2875	99.7416
EDDP	EDDP-D3	7.370	843013	36212	23.2797	986.8064
Cyclobenzaprine	Cyclobenzaprine-D3	7.613	1632719	70982	23.0019	1004.1141
Sufentanil	Sufentanil-D5	7.539	229940	103076	2.2308	99.3350
Quetiapine	Quetiapine-D8	7.540	6577442	99808	65.9007	905.4303
Buprenorphine	Buprenorphine-D4	7.656	71053	28559	2.4879	101.6952
Methadone	Methadone-D9	7.623	3852536	208609	18.4677	990.2009
Oxazepam	Oxazepam-D5	7.710	256467	10455	24.5311	1027.6396
Fluoxetine	Fluoxetine-D6	7.665	3454782	162877	21.2111	997.5966

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

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<b>Compound</b>	<b>ISTD Compound</b>	<b>RT</b>	<b>Response</b>	<b>ISTD Resp</b>	<b>Resp Ratio</b>	<b>Final Conc</b>
Sertraline	Sertraline-D3	7.726	984088	43059	22.8544	989.0305
Temazepam	Temazepam-D5	7.748	1621225	73773	21.9759	993.2407
Nordiazepam	Nordiazepam-D5	7.836	431220	11218	38.4410	975.8998
Diazepam	Diazepam-D5	7.871	1895799	66234	28.6225	1032.4185

