














**Worklist: 1549**

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>	
C2016-2454	1	77033	AM 28 Blood Multi-Drug Quant	
M2016-3502	1	77034	AM 28 Blood Multi-Drug Quant	
M2016-3911	1	77035	AM 28 Blood Multi-Drug Quant	
M2016-4253	1	77036	AM 28 Blood Multi-Drug Quant	
M2016-4309	3	77037	AM 28 Blood Multi-Drug Quant	
M2016-4381	1	77038	AM 28 Blood Multi-Drug Quant	
M2016-4461	1	77039	AM 28 Blood Multi-Drug Quant	
M2016-4462	1	77040	AM 28 Blood Multi-Drug Quant	
M2016-4705	1	77041	AM 28 Blood Multi-Drug Quant	
M2016-4759	1	77042	AM 28 Blood Multi-Drug Quant	
M2016-4852	1	77043	AM 28 Blood Multi-Drug Quant	
M2016-5077	2	77044	AM 28 Blood Multi-Drug Quant	
M2016-5162	5	77045	AM 28 Blood Multi-Drug Quant	
M2016-5251	1	77046	AM 28 Blood Multi-Drug Quant	
M2016-5285	1	77047	AM 28 Blood Multi-Drug Quant	
M2016-5293	5	77048	AM 28 Blood Multi-Drug Quant	
P2016-1910	1	77049	AM 28 Blood Multi-Drug Quant	
P2016-2020	1	77050	AM 28 Blood Multi-Drug Quant	
P2016-2184	1	77051	AM 28 Blood Multi-Drug Quant	
P2016-2204	1	77052	AM 28 Blood Multi-Drug Quant	
P2016-2205	1	77053	AM 28 Blood Multi-Drug Quant	
P2016-2223	1	77054	AM 28 Blood Multi-Drug Quant	
P2016-2233	1	77055	AM 28 Blood Multi-Drug Quant	











**Worklist: 1549**

<u>LAB_CASE</u>	<u>ITEM</u>	<u>TASK_ID</u>	<u>DESCRIPTION</u>	
P2016-2234	1	77078	AM 28 Blood Multi-Drug Quant	
P2016-2311	1	77077	AM 28 Blood Multi-Drug Quant	
P2016-2320	1	77076	AM 28 Blood Multi-Drug Quant	
P2016-2327	1	77075	AM 28 Blood Multi-Drug Quant	
P2016-2345	1	77074	AM 28 Blood Multi-Drug Quant	
P2016-2362	1	77073	AM 28 Blood Multi-Drug Quant	
P2016-2383	1	77072	AM 28 Blood Multi-Drug Quant	
P2016-2384	1	77071	AM 28 Blood Multi-Drug Quant	
P2016-2387	1	77070	AM 28 Blood Multi-Drug Quant	
P2016-2401	1	77069	AM 28 Blood Multi-Drug Quant	
P2016-2411	2	77068	AM 28 Blood Multi-Drug Quant	
P2016-2425	1	77067	AM 28 Blood Multi-Drug Quant	
P2016-2429	1	77066	AM 28 Blood Multi-Drug Quant	
P2016-2451	1	77065	AM 28 Blood Multi-Drug Quant	
P2016-2527	1	77064	AM 28 Blood Multi-Drug Quant	
P2016-2601	1	77063	AM 28 Blood Multi-Drug Quant	
P2016-2629	1	77062	AM 28 Blood Multi-Drug Quant	
P2016-2647	1	77061	AM 28 Blood Multi-Drug Quant	
P2016-2650	1	77060	AM 28 Blood Multi-Drug Quant	
P2016-2690	1	77059	AM 28 Blood Multi-Drug Quant	
P2016-2693	1	77058	AM 28 Blood Multi-Drug Quant	
P2016-2714	1	77057	AM 28 Blood Multi-Drug Quant	
P2016-2765	1	77056	AM 28 Blood Multi-Drug Quant	



**Worklist: 1549**

<u>LAB_CASE</u>	<u>ITEM</u>	<u>TASK_ID</u>	<u>DESCRIPTION</u>	
P2016-2788	1	77085	AM 28 Blood Multi-Drug Quant	
P2016-2828	1	77084	AM 28 Blood Multi-Drug Quant	
P2016-2863	1	77083	AM 28 Blood Multi-Drug Quant	
P2016-2896	1	77082	AM 28 Blood Multi-Drug Quant	
P2016-2933	1	77081	AM 28 Blood Multi-Drug Quant	
P2016-2964	1	77086	AM 28 Blood Multi-Drug Quant	
P2016-2966	1	77080	AM 28 Blood Multi-Drug Quant	
P2016-2967	1	77079	AM 28 Blood Multi-Drug Quant	



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

Date: 2-13-17      Analyst: BWylie

### 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: Ethyl Acetate

**0.01% FA in MeOH**

**20% Methanol**

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

- X 2. Check levels of mobile phases and needle wash and refill as necessary. Ensure waste is not full.
- X 3. Begin mobile phase flow and allow system to equilibrate for approx. 30 minutes.
- X 4. Create worklist. Data path name: 2-13-17 BAW AM 28 MDQ Panel 1

### ANALYTIC

- X 1. Remove standards plate, blood, and samples from cold storage. Allow to reach room temperature.
- X 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
- X 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes. Shaker ID 66759
- X 4. Pipette **250 µL 0.5M ammonium hydroxide** buffer in wells of analytical (standards) plate.
- X 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- X 6. Transfer **300 µL of blood+base** mixture to corresponding wells of SLE+ plate.
- X 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.
- X 8. Add **900 µL ethyl acetate** and allow to flow for 5 minutes under gravity.
- X 9. Apply positive pressure for approx. 15 seconds. **(~10-15 PSI – Selector to the left)**
- X 10. Add **900 µL ethyl acetate** and allow to flow for 5 minutes under gravity.
- X 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
- X 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: 2-13-17 panel 1a mdq
- X 2. Make any necessary changes. Limit curves based on validated linear ranges.
- X 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
- X 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
- X 5. Did all QCs pass for each analyte? (Y)N
- X 6. Central File Packet to include: X LIMS Worklist: Y Method Checklist Y Calibration and Control Reports

COMMENTS:

*BW*

	1	2	3	4	5	6	7	8	9	10	11	12
A	5ng cal 1	* QC10	* m5077 1a	m4705 1a/1b	p1910 1a/1b	p2223 alb	caris magn p2345 a	p2451 alb	- alb p2964	2204 ✓		1000 ng cal
B	10 ng cal 2	• QC100	* m5251 1a	m4309 1a	p2205 a	p2401 a	* p2647 a	p2765 a	✓ a p2863		neg	500 ng cal
C	25 ng cal 3	• QC250	* m5285 1a	m4462 1a	p2020 alb	p2234 alb	alb p2362	✓ alb p2650	alb p2233		pos	250 ng cal
D	50 ng cal 4	• QC1000	c2464 1a	m4381 1a	p2327 alb	p2429 a	a p2693	✓ a p2527	expos m552		QC100	100 ng cal
E	100 ng cal 5	• QC100	m4461 1a	m5162 1a	p2184 a	p2311 a	a p2411	- a p2933	neg p2234		QC1000	50 ng cal
F	250 ng cal 6	* p1a p2896	m3411 1a	m4852 1a	p2387 a	p2601 a	a p2714	a p2384	2004 pwr recm		QC250	25 ng cal
G	500 ng cal 7	* p1a p2966	m4759 1a	m3502 1a	NO alb p2204 Sample	p2320 a	✓ a p2425	✓ b p2828	2004 pwr recm		QC100	10 ng cal
H	1000 ng cal 8	* p1a p2967	m4253 1a	m5293 1a	p2383 a	✓ a p2629	a p2690	✓ a p2788	2004 pwr recm		QC10	5 ng cal

\* sample needs blank run before

# ISP FORENSICS - Cd'A Instrument # 62340

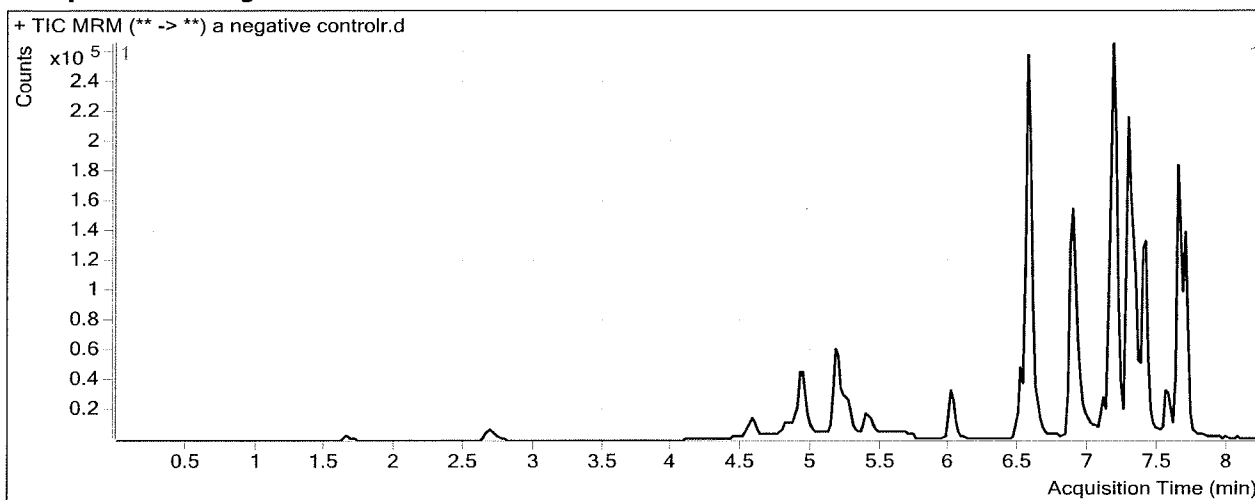
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1a mdq.batch.bin  
**Analysis Time** 2/15/2017 4:18 PM **Analyst Name** ISP Tox  
**Report Time** 2/15/2017 4:27 PM **Reporter Name** ISP Tox  
**Last Calib Update** 2/15/2017 4:17 PM **Batch State** Processed

### Analysis Info

**Acq Time** 2017-02-14 00:32 **Data File** a negative control.r.d  
**Sample Type** Sample **Sample Name** a negative control  
**Dilution** 1 **Acq Method** Quant Panel 1a 2-13-17.m  
**Position** P1-E9 **Sample Info**  
**Inj Vol** -1 **Comment** lot 321632-1; AM 28 Panel 1 Confirmation

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Phentermine	Phentermine-D5	5.926	1730	111891	0.0155	0.9587
Dextrorphan	Dextrorphan-D3	6.483	103	142588	0.0007	0.0261
Tramadol	Tramadol-13C-D3	6.580	4168	735327	0.0057	0.0000
Meprobamate	Meprobamate-D7	7.234	368	86928	0.0042	1.3083
Promethazine	Promethazine-D3	7.546	1158	70539	0.0164	0.9318

*neg. resp.*

# ISP FORENSICS - Cd'A Instrument # 62340

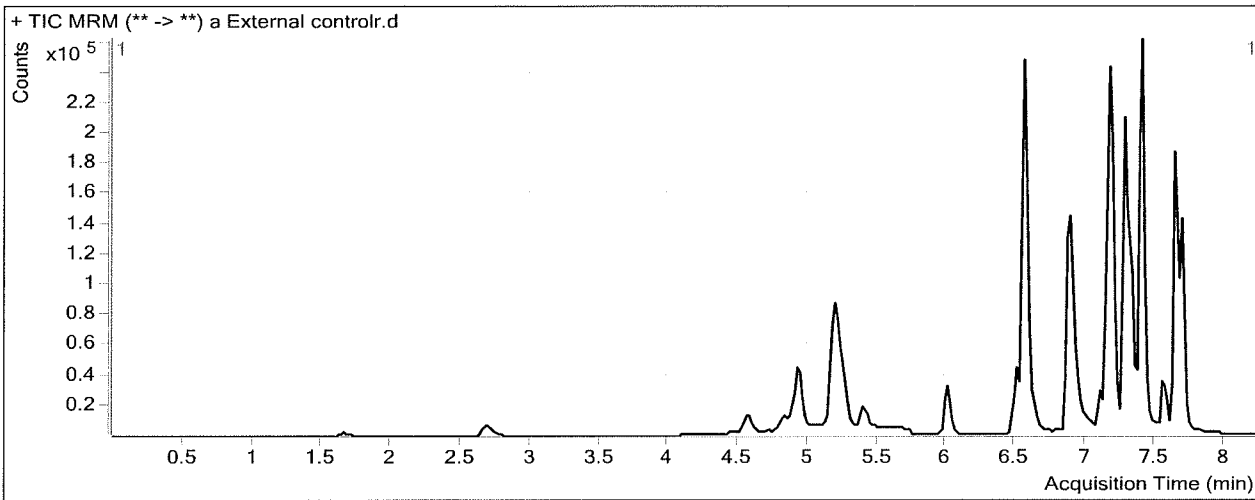
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1a mdq.batch.bin		
<b>Analysis Time</b>	2/15/2017 4:18 PM	<b>Analyst Name</b>	ISP Tox
<b>Report Time</b>	2/15/2017 4:27 PM	<b>Reporter Name</b>	ISP Tox
<b>Last Calib Update</b>	2/15/2017 4:17 PM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2017-02-14 00:44	<b>Data File</b>	a External controlr.d
<b>Sample Type</b>	Sample	<b>Sample Name</b>	a External control
<b>Dilution</b>	1	<b>Acq Method</b>	Quant Panel 1a 2-13-17.m
<b>Position</b>	P1-D9	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	negative lot 321632-1; AM 28 Panel 1 Confirmation

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxycodone	Oxycodone-D6	5.051	305	138263	0.0022	1.0222
Amphetamine	Amphetamine-D11	4.944	35787	33827	1.0580	2.7963
<u>Hydrocodone</u>	Hydrocodone-D6	5.215	120493	121397	0.9926	<u>54.1962</u>
Phentermine	Phentermine-D5	6.007	109	113672	0.0010	0.0000
Tramadol	Tramadol-13C-D3	6.580	3851	701083	0.0055	0.0000
<u>Diphenhydramine</u>	Diphenhydramine-D3	7.412	275371	244746	1.1251	<u>51.9742</u>
Promethazine	Promethazine-D3	7.567	777	76673	0.0101	0.6167
<u>Lorazepam</u>	Alprazolam-D5	7.683	23848	232179	0.1027	<u>48.5284</u>

# ISP FORENSICS - Cd'A Instrument # 62340

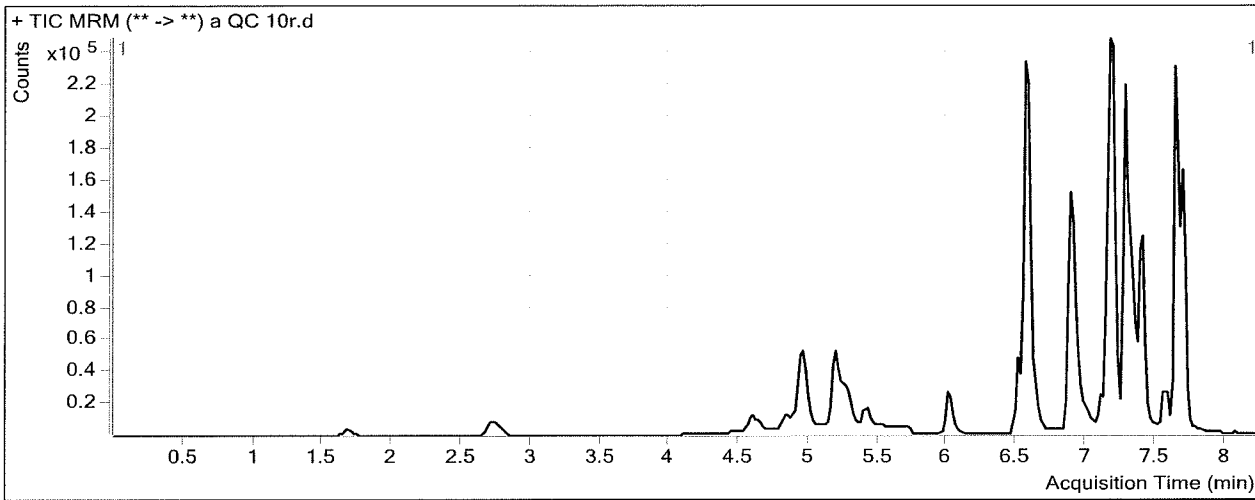
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1a mdq.batch.bin  
**Analysis Time** 2/15/2017 4:18 PM **Analyst Name** ISP Tox  
**Report Time** 2/15/2017 4:27 PM **Reporter Name** ISP Tox  
**Last Calib Update** 2/15/2017 4:17 PM **Batch State** Processed

### Analysis Info

**Acq Time** 2017-02-14 00:57 **Data File** a QC 10r.d  
**Sample Type** QC **Sample Name** a QC 10  
**Dilution** 1 **Acq Method** Quant Panel 1a 2-13-17.m  
**Position** P1-A2 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28 Panel 1 Confirmation

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.708	3193	5843	0.5464	11.2249
Hydromorphone	Hydromorphone-D6	2.748	13798	33681	0.4097	11.5793
Codeine	Codeine-D6	4.633	7052	21858	0.3226	12.0836
Oxycodone	Oxycodone-D6	4.971	29794	128869	0.2312	10.1512
Amphetamine	Amphetamine-D11	4.964	75442	31257	2.4136	19.7332
Hydrocodone	Hydrocodone-D6	5.215	23283	104241	0.2234	11.3915
Norhydrocodone	Norhydrocodone-D3	5.277	1875	42189	0.0445	11.5694
Methamphetamine	Methamphetamine-D11	5.303	30746	70531	0.4359	11.8756
6-MAM	6-MAM-D6	5.409	891	32475	0.0274	1.1478
Phentermine	Phentermine-D5	6.046	6223	88839	0.0700	10.2037
Dextroprphan	Dextroprphan-D3	6.504	15914	102964	0.1546	11.2707
Tramadol	Tramadol-13C-D3	6.580	150812	565028	0.2669	11.4853
7-aminoclonazepam	7-Aminoclonazepam-D4	6.575	26298	96476	0.2726	11.2601
Doxylamine	Doxylamine-D5	6.903	135104	503012	0.2686	11.4410
Bupropion	Bupropion-D9	7.132	12313	48863	0.2520	12.3603
Zolpidem	Zolpidem-D6	7.183	137628	537220	0.2562	12.2805
Meprobamate	Meprobamate-D7	7.193	16302	67110	0.2429	12.0227
Venlafaxine	Venlafaxine-D6	7.286	100322	408344	0.2457	10.7652
Trazodone	Trazodone-D6	7.336	41971	160569	0.2614	10.4005
Citalopram	Citalopram-D6	7.378	23166	81553	0.2841	12.7346
Dextromethorphan	Dextromethorphan-D3	7.388	4064	15612	0.2603	11.2432
Diphenhydramine	Diphenhydramine-D3	7.412	47001	168925	0.2782	12.4201
Promethazine	Promethazine-D3	7.546	9970	42064	0.2370	11.9945



**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	7.583	9977	11740	0.8499	9.7582
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.640	5508	19840	0.2776	10.0128
Carisoprodol	Carisoprodol-D7	7.652	79054	313065	0.2525	12.7007
Lorazepam	Alprazolam-D5	7.683	4186	207027	0.0202	11.6500
Alprazolam	Alprazolam-D5	7.706	64772	207027	0.3129	12.5248

# ISP FORENSICS - Cd'A Instrument # 62340

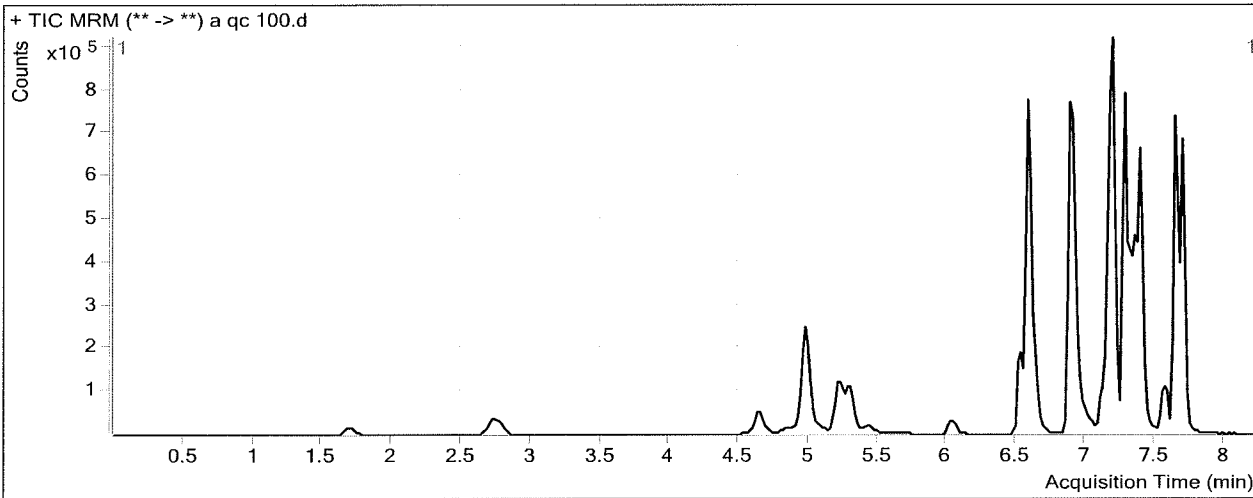
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1a mdq.batch.bin  
**Analysis Time** 2/16/2017 10:48 AM **Analyst Name** ISP Tox  
**Report Time** 2/16/2017 10:52 AM **Reporter Name** ISP Tox  
**Last Calib Update** 2/16/2017 10:47 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2017-02-14 05:09 **Data File** a qc 100.d  
**Sample Type** QC **Sample Name** a qc 100  
**Dilution** 1 **Acq Method** Quant Panel 1a 2-13-17.m  
**Position** P1-B2 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28 Panel 1 Confirmation

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.688	29228	5756	5.0782	108.8208
Hydromorphone	Hydromorphone-D6	2.748	135059	31663	4.2655	117.4681
Codeine	Codeine-D6	4.653	68401	22961	2.9789	106.0758
Oxycodone	Oxycodone-D6	4.971	331186	117527	2.8180	113.2754
Amphetamine	Amphetamine-D11	4.984	324965	33193	9.7903	111.8943
Hydrocodone	Hydrocodone-D6	5.235	231472	103766	2.2307	123.0979
Norhydrocodone	Norhydrocodone-D3	5.298	23571	41375	0.5697	112.3495
Methamphetamine	Methamphetamine-D11	5.303	193701	57536	3.3666	117.1471
6-MAM	6-MAM-D6	5.429	8789	30914	0.2843	11.7782
Phentermine	Phentermine-D5	6.066	60631	88191	0.6875	114.7778
Dextroprphan	Dextroprphan-D3	6.524	205138	118212	1.7353	126.8153
Tramadol	Tramadol-13C-D3	6.580	1532679	590465	2.5957	119.2265
7-aminoclonazepam	7-Aminoclonazepam-D4	6.595	247663	86200	2.8731	119.5758
Doxylamine	Doxylamine-D5	6.903	1464708	631755	2.3185	99.4937
Bupropion	Bupropion-D9	7.132	146199	59998	2.4367	120.7004
Zolpidem	Zolpidem-D6	7.183	1550829	631990	2.4539	110.1444
Meprobamate	Meprobamate-D7	7.213	174090	66919	2.6015	117.8975
Venlafaxine	Venlafaxine-D6	7.286	1254821	494610	2.5370	121.5912
Trazodone	Trazodone-D6	7.336	601092	227942	2.6370	123.7201
Citalopram	Citalopram-D6	7.358	347581	133049	2.6124	112.0910
Dextromethorphan	Dextromethorphan-D3	7.388	55599	21552	2.5797	114.9961
Diphenhydramine	Diphenhydramine-D3	7.392	606993	242717	2.5008	116.2263
Promethazine	Promethazine-D3	7.546	133390	49747	2.6814	134.5760

**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	7.583	132110	15658	8.4371	120.2701
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.640	55849	19305	2.8930	117.4273
Carisoprodol	Carisoprodol-D7	7.652	588454	248913	2.3641	117.0848
Lorazepam	Alprazolam-D5	7.683	46873	194738	0.2407	110.2103
Alprazolam	Alprazolam-D5	7.686	577873	194738	2.9674	117.5926



# ISP FORENSICS - Cd'A Instrument # 62340

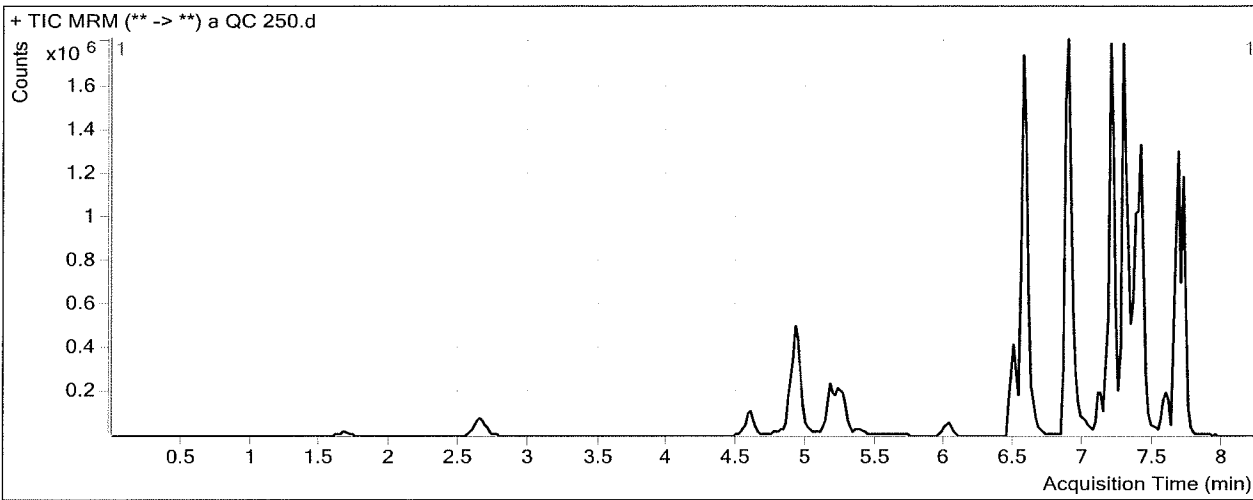
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1a mdq.batch.bin  
**Analysis Time** 2/16/2017 10:48 AM **Analyst Name** ISP Tox  
**Report Time** 2/16/2017 10:52 AM **Reporter Name** ISP Tox  
**Last Calib Update** 2/16/2017 10:47 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2017-02-14 08:19 **Data File** a QC 250.d  
**Sample Type** QC **Sample Name** a QC 250  
**Dilution** 1 **Acq Method** Quant Panel 1a 2-13-17.m  
**Position** P1-C2 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28 Panel 1 Confirmation

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.651	65814	3491	18.8534	405.4869
Hydromorphone	Hydromorphone-D6	2.648	299788	34741	8.6291	237.2996
Codeine	Codeine-D6	4.593	148040	19604	7.5513	267.8704
Oxycodone	Oxycodone-D6	4.910	703088	114717	6.1289	245.2698
Amphetamine	Amphetamine-D11	4.924	826919	34594	23.9035	288.2193
Hydrocodone	Hydrocodone-D6	5.175	501923	105258	4.7685	264.3237
Norhydrocodone	Norhydrocodone-D3	5.238	44470	36977	1.2026	233.7895
Methamphetamine	Methamphetamine-D11	5.243	503691	74556	6.7559	238.8932
6-MAM	6-MAM-D6	5.369	19194	32324	0.5938	24.5879
Phentermine	Phentermine-D5	6.026	176161	108491	1.6237	273.3441
Dextroprphan	Dextroprphan-D3	6.483	455511	125431	3.6316	265.4167
Tramadol	Tramadol-13C-D3	6.560	4078222	729451	5.5908	257.7931
7-aminoclonazepam	7-Aminoclonazepam-D4	6.555	522535	84738	6.1665	256.7498
Doxylamine	Doxylamine-D5	6.883	3883122	716905	5.4165	232.5697
Bupropion	Bupropion-D9	7.132	358697	65014	5.5172	273.4593
Zolpidem	Zolpidem-D6	7.183	2804119	619923	4.5233	202.2975
Meprobamate	Meprobamate-D7	7.193	288415	60870	4.7382	213.8129
Venlafaxine	Venlafaxine-D6	7.286	3188270	552456	5.7711	278.0171
Trazodone	Trazodone-D6	7.356	1379465	222558	6.1982	293.5910
Citalopram	Citalopram-D6	7.378	795175	136720	5.8161	248.7966
Dextromethorphan	Dextromethorphan-D3	7.408	133880	21000	6.3753	284.7808
Diphenhydramine	Diphenhydramine-D3	7.412	1359551	242978	5.5954	260.7568
Promethazine	Promethazine-D3	7.567	249802	44032	5.6732	284.6139

**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	7.603	260337	13027	19.9848	288.4697
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.640	122262	19282	6.3409	259.0298
Carisoprodol	Carisoprodol-D7	7.672	1184252	270632	4.3759	216.5357
Lorazepam	Alprazolam-D5	7.703	96697	159955	0.6045	272.8529
Alprazolam	Alprazolam-D5	7.706	1096810	159955	6.8570	271.5401



# ISP FORENSICS - Cd'A Instrument # 62340

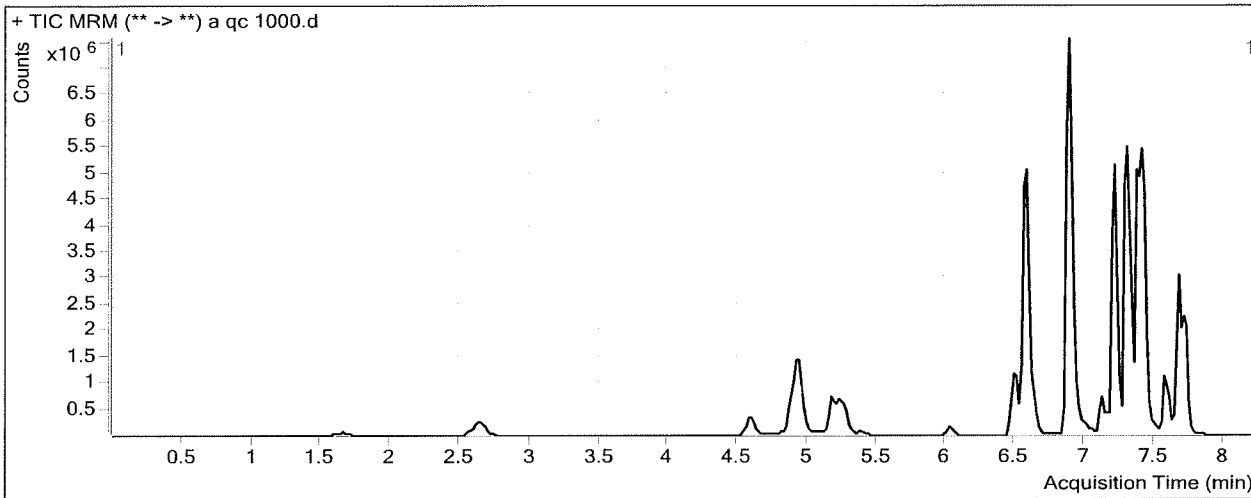
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1a mdq.batch.bin		
<b>Analysis Time</b>	2/16/2017 10:48 AM	<b>Analyst Name</b>	ISP Tox
<b>Report Time</b>	2/16/2017 10:52 AM	<b>Reporter Name</b>	ISP Tox
<b>Last Calib Update</b>	2/16/2017 10:47 AM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2017-02-14 12:33	<b>Data File</b>	a qc 1000.d
<b>Sample Type</b>	QC	<b>Sample Name</b>	a qc 1000
<b>Dilution</b>	1	<b>Acq Method</b>	Quant Panel 1a 2-13-17.m
<b>Position</b>	P1-D2	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	AM 28 Panel 1 Confirmation

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.651	225590	2479	90.9933	1959.1067
Hydromorphone	Hydromorphone-D6	2.648	1084314	31885	34.0075	934.2350
Codeine	Codeine-D6	4.593	499707	17084	29.2505	1035.6931
Oxycodone	Oxycodone-D6	4.930	2907223	115480	25.1750	1004.5657
Amphetamine	Amphetamine-D11	4.924	2444405	30073	81.2835	1005.1021
Hydrocodone	Hydrocodone-D6	5.175	1757542	102272	17.1850	955.2869
Norhydrocodone	Norhydrocodone-D3	5.238	154006	27274	5.6466	1086.4678
Methamphetamine	Methamphetamine-D11	5.263	1554116	61980	25.0743	896.9047
6-MAM	6-MAM-D6	5.389	68021	27735	2.4525	101.5092
Phentermine	Phentermine-D5	6.026	619308	106039	5.8404	987.4964
Dextroprphan	Dextroprphan-D3	6.483	1605493	116292	13.8057	1009.0780
Tramadol	Tramadol-13C-D3	6.580	15003488	715008	20.9837	969.9363
7-aminoclonazepam	7-Aminoclonazepam-D4	6.575	1618323	71301	22.6970	945.2647
Doxylamine	Doxylamine-D5	6.883	16259762	794834	20.4568	878.6257
Bupropion	Bupropion-D9	7.132	1293765	67042	19.2980	956.8394
Zolpidem	Zolpidem-D6	7.203	10383869	578128	17.9612	800.6879
Meprobamate	Meprobamate-D7	7.213	885337	47544	18.6215	837.0140
Venlafaxine	Venlafaxine-D6	7.306	13311711	601565	22.1285	1069.1881
Trazodone	Trazodone-D6	7.356	7354977	349303	21.0562	1002.3242
Citalopram	Citalopram-D6	7.398	3529813	157505	22.4108	956.9280
Dextromethorphan	Dextromethorphan-D3	7.408	736422	34075	21.6120	966.3470
Diphenhydramine	Diphenhydramine-D3	7.432	6929969	330530	20.9662	978.6527
Promethazine	Promethazine-D3	7.567	2097763	111457	18.8213	943.9754

**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	7.603	674868	10241	65.8963	957.1967
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.661	419384	16618	25.2363	1035.0618
Carisoprodol	Carisoprodol-D7	7.672	2926965	158804	18.4313	911.3555
Lorazepam	Alprazolam-D5	7.723	173738	100175	1.7343	777.9202
Alprazolam	Alprazolam-D5	7.727	2736662	100175	27.3188	1081.4176



# ISP FORENSICS - Cd'A Instrument # 62340

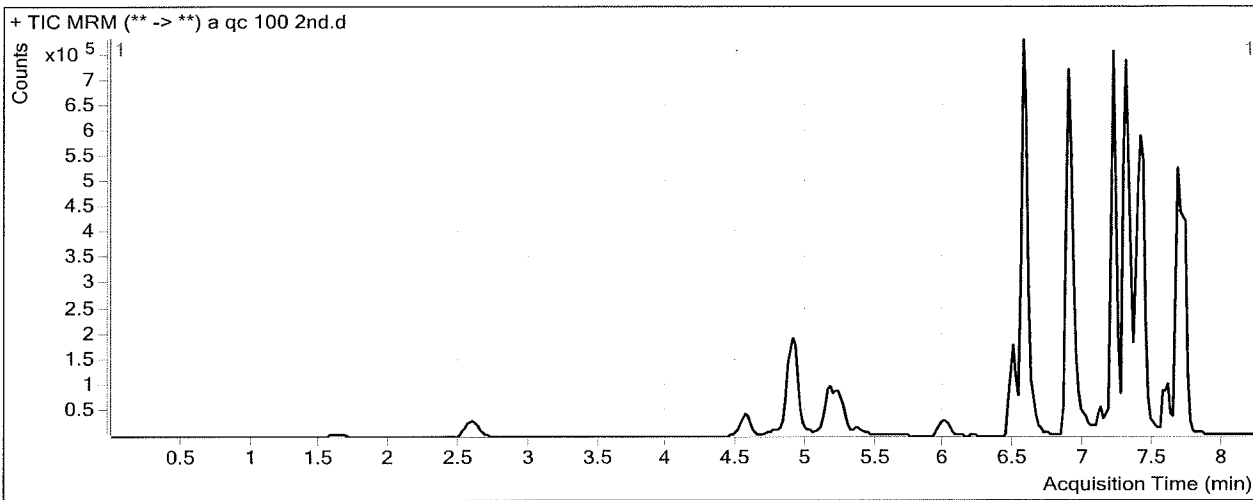
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1a mdq.batch.bin  
**Analysis Time** 2/16/2017 10:48 AM **Analyst Name** ISP Tox  
**Report Time** 2/16/2017 10:52 AM **Reporter Name** ISP Tox  
**Last Calib Update** 2/16/2017 10:47 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2017-02-14 15:55 **Data File** a qc 100 2nd.d  
**Sample Type** QC **Sample Name** a qc 100 2nd  
**Dilution** 1 **Acq Method** Quant Panel 1a 2-13-17.m  
**Position** P1-E2 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28 Panel 1 Confirmation

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.631	24625	2061	11.9507	256.8292
Hydromorphone	Hydromorphone-D6	2.608	107859	27272	3.9550	108.9408
Codeine	Codeine-D6	4.573	51946	15925	3.2620	116.0907
Oxycodone	Oxycodone-D6	4.910	277011	88460	3.1315	125.7747
Amphetamine	Amphetamine-D11	4.904	325161	31867	10.2038	117.0604
Hydrocodone	Hydrocodone-D6	5.175	186133	80453	2.3136	127.7094
Norhydrocodone	Norhydrocodone-D3	5.238	15443	31503	0.4902	97.0951
Methamphetamine	Methamphetamine-D11	5.243	208058	66546	3.1265	108.5238
6-MAM	6-MAM-D6	5.369	7107	24230	0.2933	12.1509
Phentermine	Phentermine-D5	6.026	68907	98624	0.6987	116.6718
Dextroprphan	Dextroprphan-D3	6.483	172072	103976	1.6549	120.9372
Tramadol	Tramadol-13C-D3	6.560	1540612	617609	2.4945	114.5428
7-aminoclonazepam	7-Aminoclonazepam-D4	6.555	199225	69637	2.8609	119.0674
Doxylamine	Doxylamine-D5	6.883	1383978	544775	2.5405	109.0290
Bupropion	Bupropion-D9	7.132	76103	31524	2.4141	119.5795
Zolpidem	Zolpidem-D6	7.203	1140804	464376	2.4566	110.2672
Meprobamate	Meprobamate-D7	7.213	110049	52036	2.1148	96.0516
Venlafaxine	Venlafaxine-D6	7.306	1290218	481998	2.6768	128.3539
Trazodone	Trazodone-D6	7.376	577930	182110	3.1735	149.3107
Citalopram	Citalopram-D6	7.398	329666	113044	2.9163	125.0565
Dextromethorphan	Dextromethorphan-D3	7.408	51786	20475	2.5293	112.7385
Diphenhydramine	Diphenhydramine-D3	7.432	520448	206750	2.5173	116.9948
Promethazine	Promethazine-D3	7.567	129414	58045	2.2295	111.9173



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

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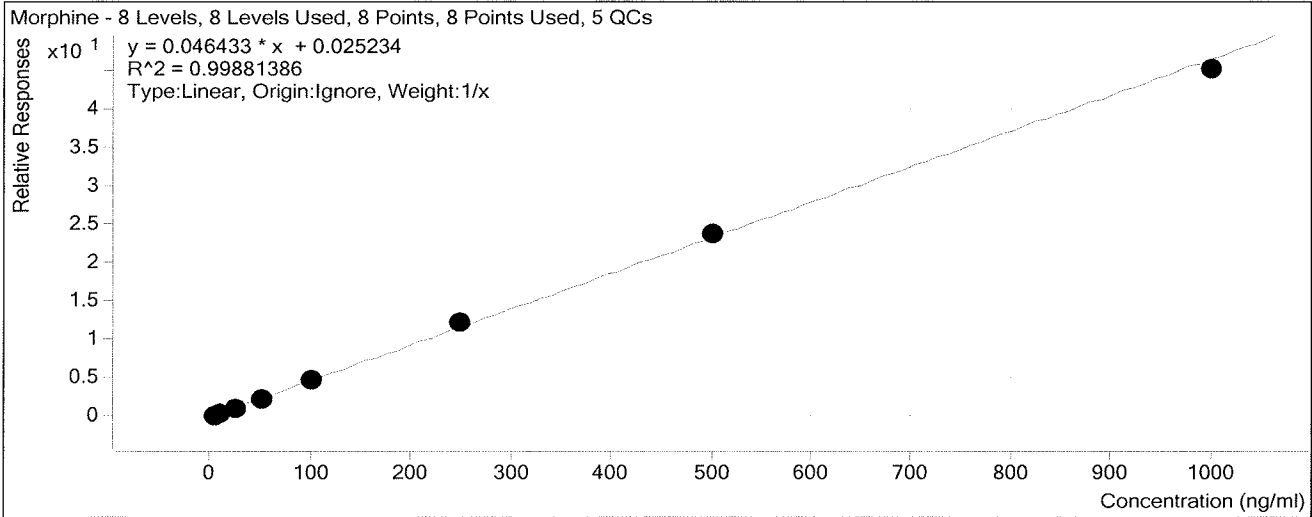
<b>Compound</b>	<b>ISTD Compound</b>	<b>RT</b>	<b>Response</b>	<b>ISTD Resp</b>	<b>Resp Ratio</b>	<b>Final Conc</b>
Clonazepam	Clonazepam-D4	7.603	94274	10665	8.8398	126.1361
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.661	44222	13719	3.2235	130.9976
Carisoprodol	Carisoprodol-D7	7.672	496746	230219	2.1577	106.8826
Lorazepam	Alprazolam-D5	7.703	32786	139758	0.2346	107.4817
Alprazolam	Alprazolam-D5	7.727	422263	139758	3.0214	119.7274



# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1a mdq.batch.bin  
**Last Calib Update** 2/15/2017 4:17 PM **Analyst Name** ISP TOX

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

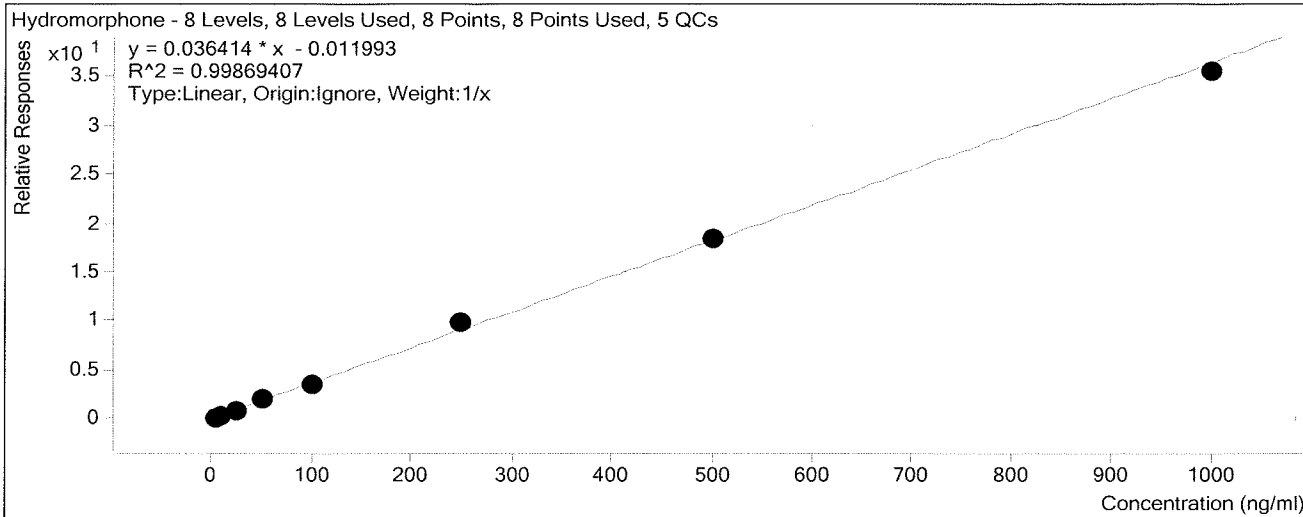


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1 - 5ng	1	<input checked="" type="checkbox"/>	5	4.8	96.4
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	9.6	96.1
a QC 10	2	<input checked="" type="checkbox"/>	10	11.2	112.2
a cal 3 - 25ng	3	<input checked="" type="checkbox"/>	25	24.6	98.6
a cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	51.4	102.8
a cal 5 - 100ng	5	<input checked="" type="checkbox"/>	100	100.4	100.4
a qc 100	5	<input checked="" type="checkbox"/>	100	108.8	108.8
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	256.8	256.8
a cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	266.1	106.4
a QC 250	6	<input checked="" type="checkbox"/>	250	405.5	162.2
a cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	510.8	102.2
a cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	972.3	97.2
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1959.1	195.9

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1a mdq.batch.bin  
**Last Calib Update** 2/15/2017 4:17 PM **Analyst Name** ISP TOX

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

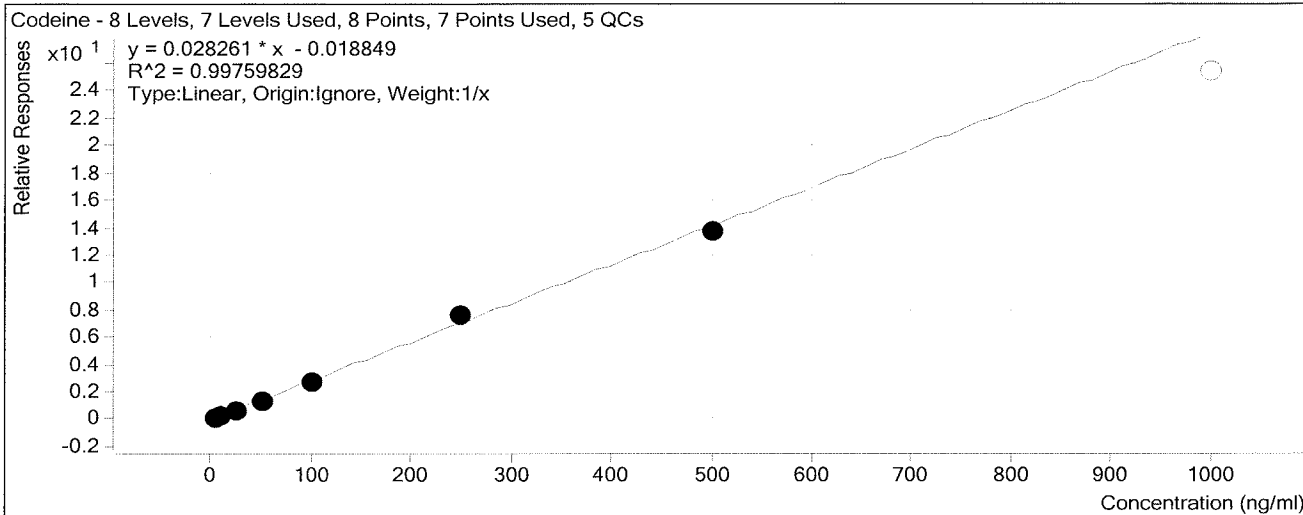


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1 - 5ng	1	<input checked="" type="checkbox"/>	5	5.0	99.8
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	9.2	91.5
a QC 10	2	<input checked="" type="checkbox"/>	10	11.6	115.8
a cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	24.5	97.9
a cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	52.7	105.4
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	99.3	99.3
a qc 100	5	<input checked="" type="checkbox"/>	100	117.5	117.5
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	108.9	108.9
a cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	268.8	107.5
a QC 250	6	<input checked="" type="checkbox"/>	250	237.3	94.9
a cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	505.3	101.1
a cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	975.3	97.5
a qc 1000	8	<input checked="" type="checkbox"/>	1000	934.2	93.4

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1a mdq.batch.bin  
**Last Calib Update** 2/15/2017 4:17 PM **Analyst Name** ISP TOX

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



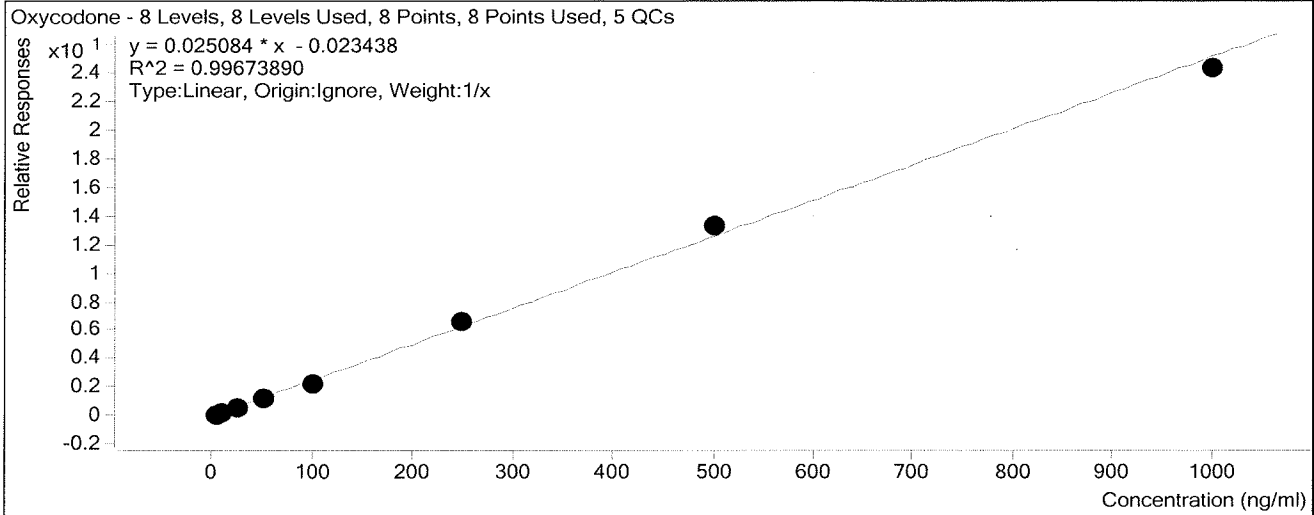
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1 - 5ng	1	<input checked="" type="checkbox"/>	5	5.7	114.8
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	9.4	93.8
a QC 10	2	<input checked="" type="checkbox"/>	10	12.1	120.8
a cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	23.6	94.2
a cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	46.9	93.8
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	98.7	98.7
a qc 100	5	<input checked="" type="checkbox"/>	100	106.1	106.1
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	116.1	116.1
a cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	267.5	107.0
a QC 250	6	<input checked="" type="checkbox"/>	250	267.9	107.1
a cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	488.2	97.6
a cal 8 - 1000ng	8	<input type="checkbox"/>	1000	899.9	90.0
a qc 1000	8	<input type="checkbox"/>	1000	1035.7	103.6

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1a mdq.batch.bin

**Last Calib Update** 2/15/2017 4:17 PM **Analyst Name** ISP TOX

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

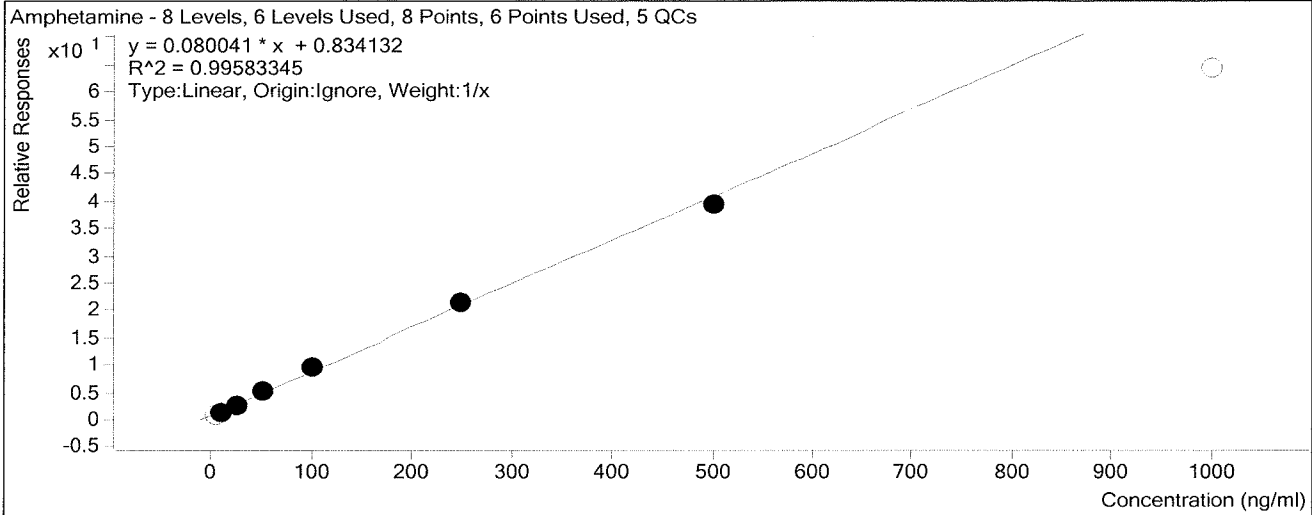


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1 - 5ng	1	<input checked="" type="checkbox"/>	5	5.8	116.5
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	9.4	93.9
a QC 10	2	<input checked="" type="checkbox"/>	10	10.2	101.5
a cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	23.8	95.3
a cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	48.6	97.2
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	87.6	87.6
a qc 100	5	<input checked="" type="checkbox"/>	100	113.3	113.3
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	125.8	125.8
a cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	266.5	106.6
a QC 250	6	<input checked="" type="checkbox"/>	250	245.3	98.1
a cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	530.4	106.1
a cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	967.8	96.8
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1004.6	100.5

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1a mdq.batch.bin  
**Last Calib Update** 2/15/2017 4:17 PM **Analyst Name** ISP TOX

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

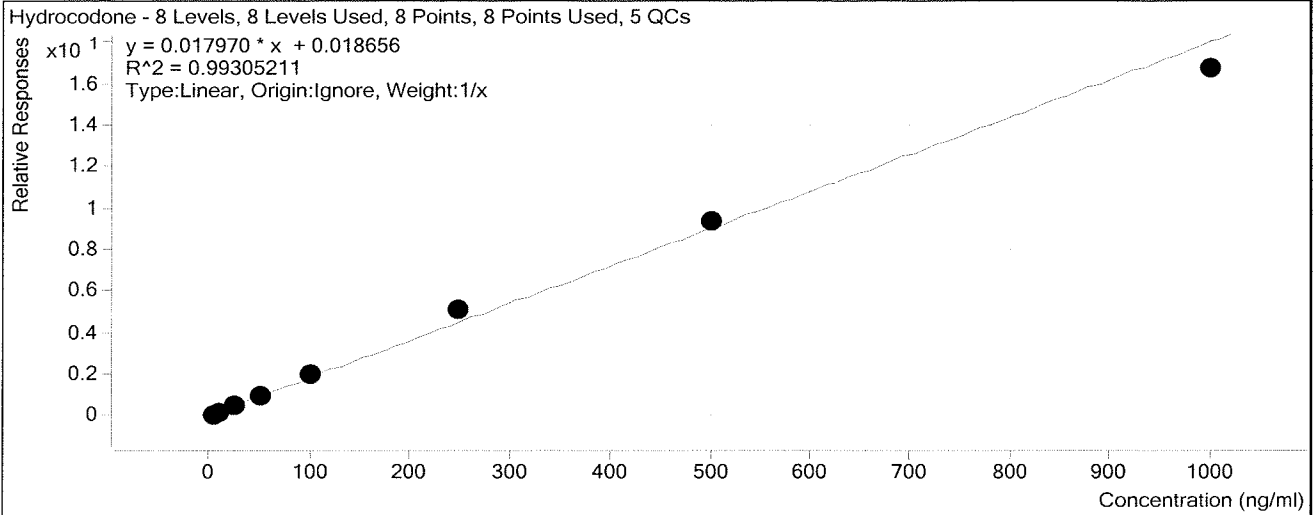


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1 - 5ng	1	<input type="checkbox"/>	5	2.2	44.2
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	8.0	80.4
a QC 10	2	<input checked="" type="checkbox"/>	10	19.7	197.3
a cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	24.6	98.3
a cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	56.8	113.6
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	109.4	109.4
a qc 100	5	<input checked="" type="checkbox"/>	100	111.9	111.9
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	117.1	117.1
a cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	255.4	102.2
a QC 250	6	<input checked="" type="checkbox"/>	250	288.2	115.3
a cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	480.8	96.2
a cal 8 - 1000ng	8	<input type="checkbox"/>	1000	793.2	79.3
a qc 1000	8	<input type="checkbox"/>	1000	1005.1	100.5

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1a mdq.batch.bin  
**Last Calib Update** 2/15/2017 4:17 PM **Analyst Name** ISP TOX

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

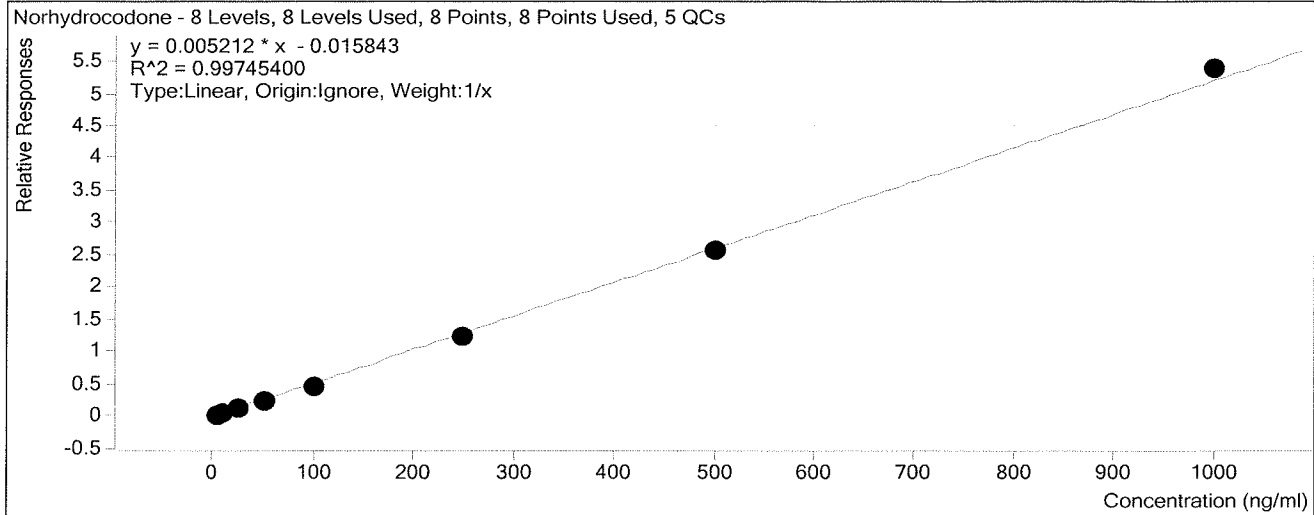


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1 - 5ng	1	<input checked="" type="checkbox"/>	5	3.8	76.2
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	8.7	87.0
a QC 10	2	<input checked="" type="checkbox"/>	10	11.4	113.9
a cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	26.7	106.9
a cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	54.4	108.7
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	110.3	110.3
a qc 100	5	<input checked="" type="checkbox"/>	100	123.1	123.1
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	127.7	127.7
a cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	283.2	113.3
a QC 250	6	<input checked="" type="checkbox"/>	250	264.3	105.7
a cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	522.9	104.6
a cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	930.0	93.0
a qc 1000	8	<input checked="" type="checkbox"/>	1000	955.3	95.5

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1a mdq.batch.bin  
**Last Calib Update** 2/15/2017 4:17 PM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1 - 5ng	1	<input checked="" type="checkbox"/>	5	6.4	128.5
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	10.2	102.0
a QC 10	2	<input checked="" type="checkbox"/>	10	11.6	115.7
a cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	24.2	96.8
a cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	43.4	86.8
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	88.1	88.1
a qc 100	5	<input checked="" type="checkbox"/>	100	112.3	112.3
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	97.1	97.1
a cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	238.6	95.4
a QC 250	6	<input checked="" type="checkbox"/>	250	233.8	93.5
a cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	494.1	98.8
a cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	1034.9	103.5
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1086.5	108.6

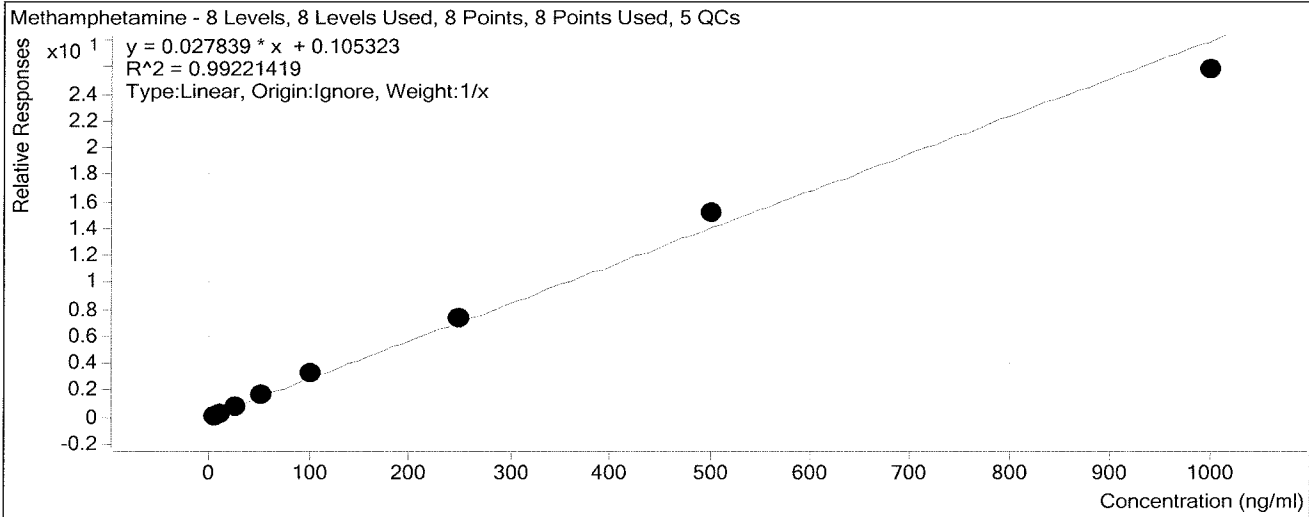


# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1a mdq.batch.bin

**Last Calib Update** 2/15/2017 4:17 PM **Analyst Name** ISP TOX

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

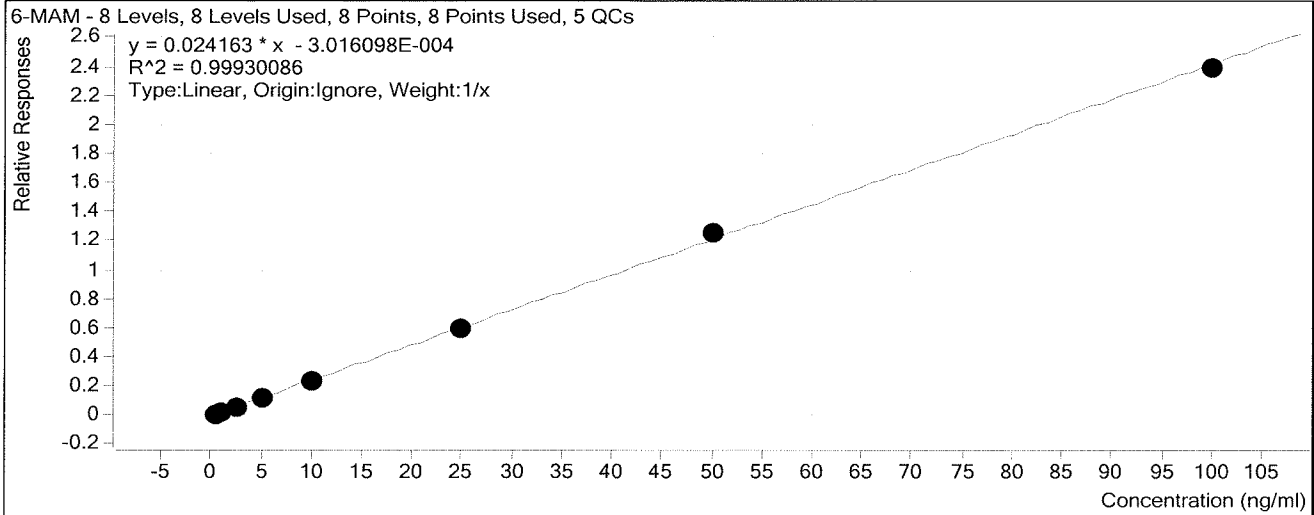


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1 - 5ng	1	<input checked="" type="checkbox"/>	5	3.6	72.6
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	8.9	89.4
a QC 10	2	<input checked="" type="checkbox"/>	10	11.9	118.8
a cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	26.2	104.9
a cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	55.9	111.8
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	115.6	115.6
a qc 100	5	<input checked="" type="checkbox"/>	100	117.1	117.1
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	108.5	108.5
a cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	261.0	104.4
a QC 250	6	<input checked="" type="checkbox"/>	250	238.9	95.6
a cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	544.7	108.9
a cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	924.1	92.4
a qc 1000	8	<input checked="" type="checkbox"/>	1000	896.9	89.7

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1a mdq.batch.bin  
**Last Calib Update** 2/15/2017 4:17 PM **Analyst Name** ISP TOX

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

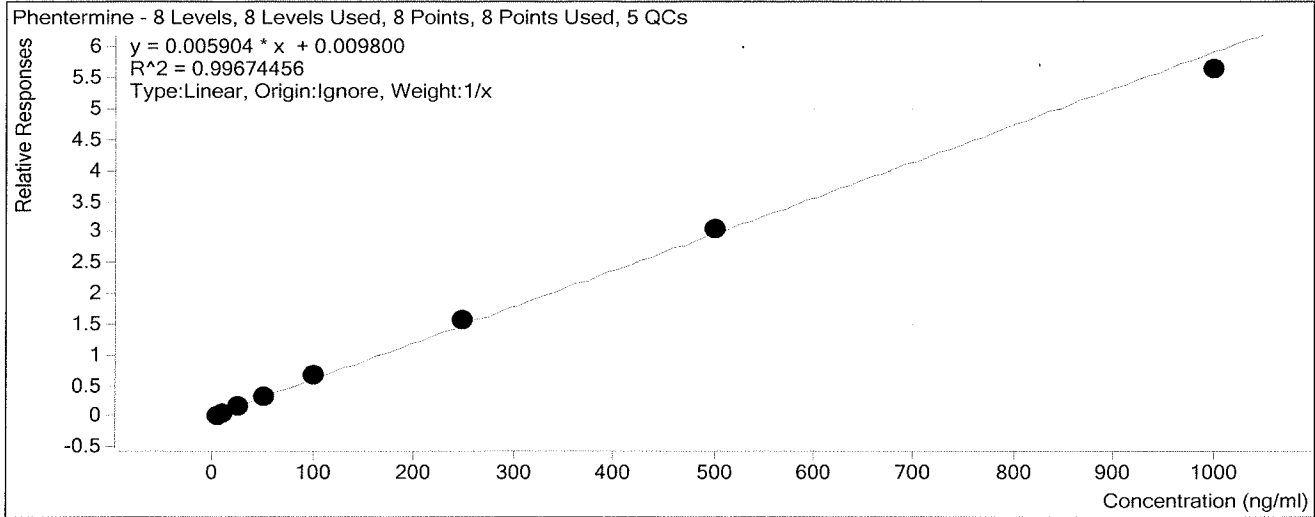


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1 - 5ng	1	<input checked="" type="checkbox"/>	0.5	0.5	96.1
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	1	1.1	112.1
a QC 10	2	<input checked="" type="checkbox"/>	1	1.1	114.8
a cal 3- 25ng	3	<input checked="" type="checkbox"/>	2.5	2.4	94.1
a cal 4 - 50ng	4	<input checked="" type="checkbox"/>	5	4.9	98.9
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	10	9.8	97.6
a qc 100	5	<input checked="" type="checkbox"/>	10	11.8	117.8
a qc 100 2nd	5	<input checked="" type="checkbox"/>	10	12.2	121.5
a cal 6 - 250ng	6	<input checked="" type="checkbox"/>	25	24.7	98.7
a QC 250	6	<input checked="" type="checkbox"/>	25	24.6	98.4
a cal 7 - 500ng	7	<input checked="" type="checkbox"/>	50	51.9	103.8
a cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	100	98.7	98.7
a qc 1000	8	<input checked="" type="checkbox"/>	100	101.5	101.5

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1a mdq.batch.bin  
**Last Calib Update** 2/15/2017 4:17 PM **Analyst Name** ISP TOX

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

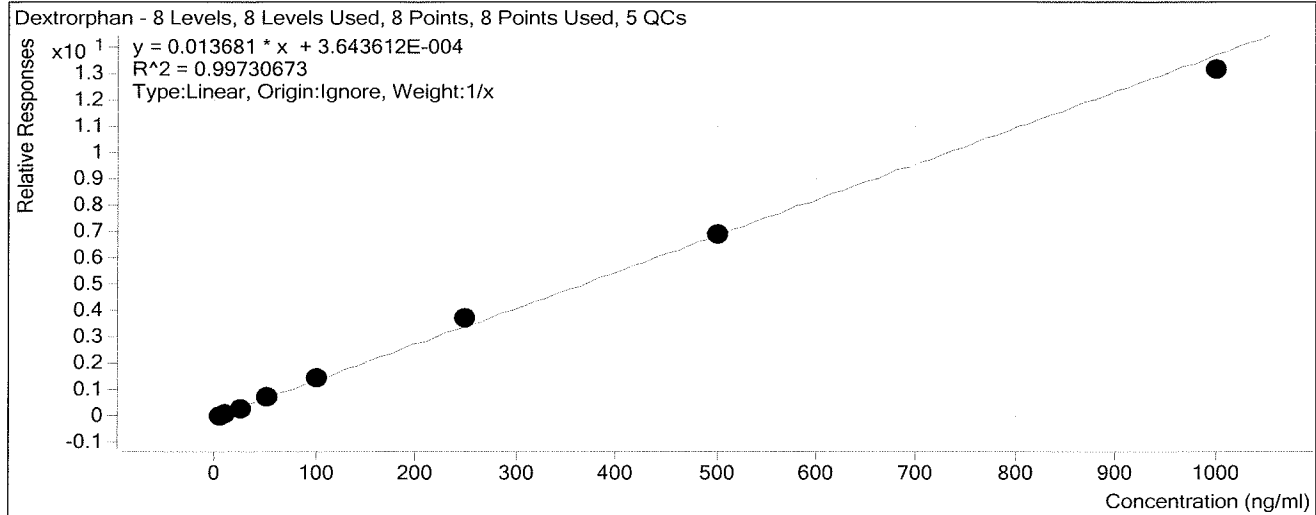


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1 - 5ng	1	<input checked="" type="checkbox"/>	5	4.0	80.4
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	8.9	88.7
a QC 10	2	<input checked="" type="checkbox"/>	10	10.2	102.0
a cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	26.2	104.9
a cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	54.9	109.7
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	111.1	111.1
a qc 100	5	<input checked="" type="checkbox"/>	100	114.8	114.8
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	116.7	116.7
a cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	267.8	107.1
a QC 250	6	<input checked="" type="checkbox"/>	250	273.3	109.3
a cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	512.8	102.6
a cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	954.3	95.4
a qc 1000	8	<input checked="" type="checkbox"/>	1000	987.5	98.7

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1a mdq.batch.bin  
**Last Calib Update** 2/15/2017 4:17 PM **Analyst Name** ISP TOX

**Target Compound** Dextrophan  
**Internal Standard** Dextrophan-D3

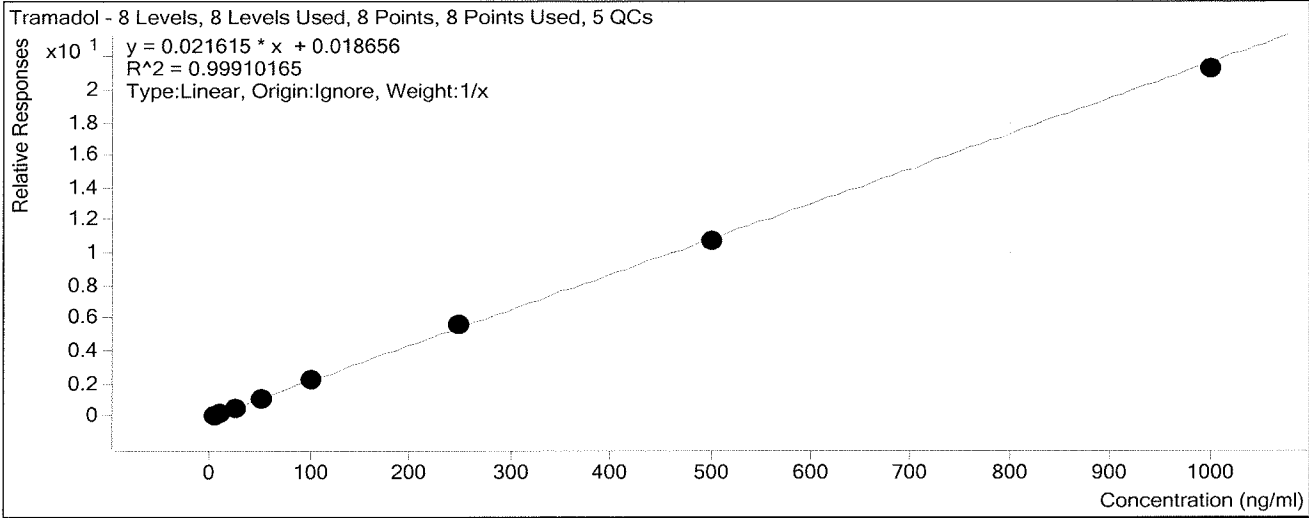


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1 - 5ng	1	<input checked="" type="checkbox"/>	5	4.7	95.0
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	8.6	86.0
a QC 10	2	<input checked="" type="checkbox"/>	10	11.3	112.7
a cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	24.4	97.5
a cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	54.0	108.0
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	106.7	106.7
a qc 100	5	<input checked="" type="checkbox"/>	100	126.8	126.8
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	120.9	120.9
a cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	273.0	109.2
a QC 250	6	<input checked="" type="checkbox"/>	250	265.4	106.2
a cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	507.9	101.6
a cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	960.7	96.1
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1009.1	100.9

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1a mdq.batch.bin  
**Last Calib Update** 2/15/2017 4:17 PM **Analyst Name** ISP TOX

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

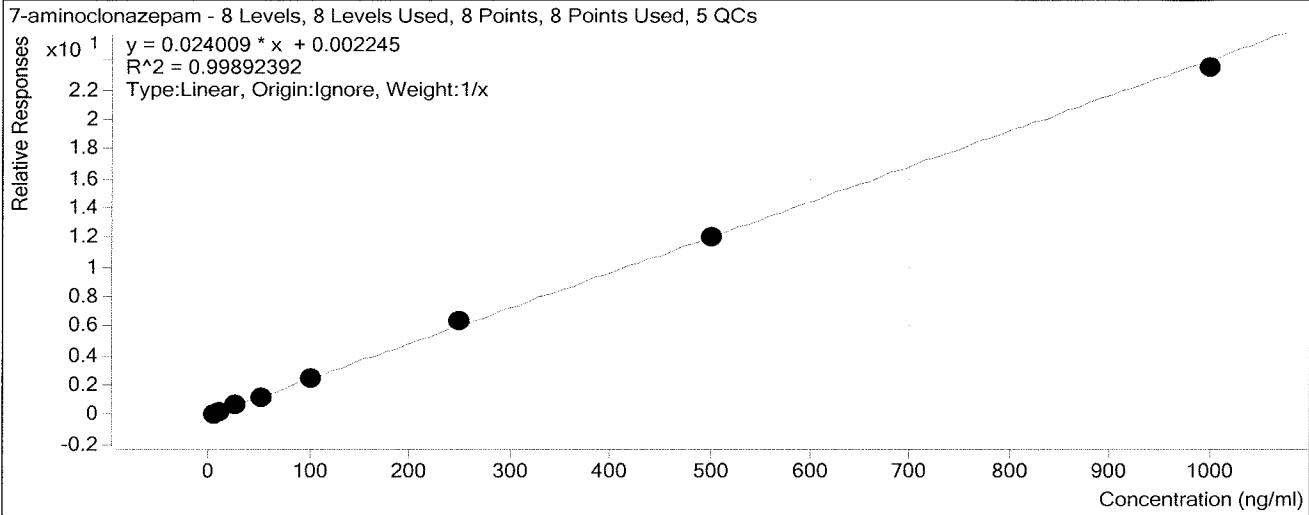


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1 - 5ng	1	<input checked="" type="checkbox"/>	5	4.8	95.3
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	8.9	89.2
a QC 10	2	<input checked="" type="checkbox"/>	10	11.5	114.9
a cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	25.4	101.5
a cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	52.5	105.0
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	106.2	106.2
a qc 100	5	<input checked="" type="checkbox"/>	100	119.2	119.2
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	114.5	114.5
a cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	262.3	104.9
a QC 250	6	<input checked="" type="checkbox"/>	250	257.8	103.1
a cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	498.1	99.6
a cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	981.8	98.2
a qc 1000	8	<input checked="" type="checkbox"/>	1000	969.9	97.0

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1a mdq.batch.bin  
**Last Calib Update** 2/15/2017 4:17 PM **Analyst Name** ISP TOX

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

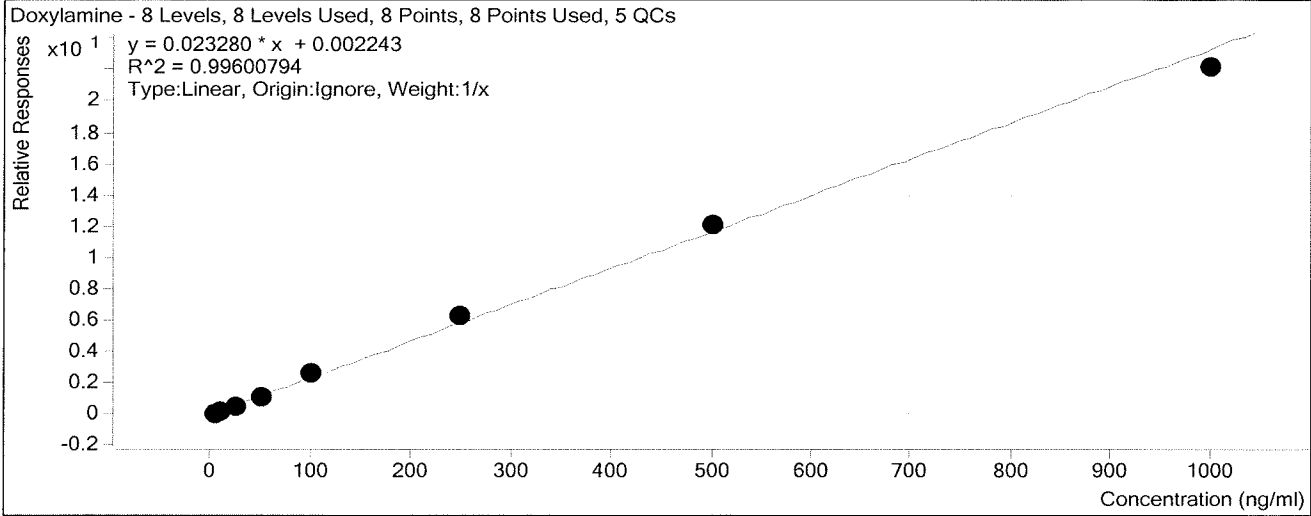


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1 - 5ng	1	<input checked="" type="checkbox"/>	5	4.6	92.9
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	9.1	91.2
a QC 10	2	<input checked="" type="checkbox"/>	10	11.3	112.6
a cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	26.2	104.8
a cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	51.5	103.0
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	103.6	103.6
a qc 100	5	<input checked="" type="checkbox"/>	100	119.6	119.6
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	119.1	119.1
a cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	266.6	106.6
a QC 250	6	<input checked="" type="checkbox"/>	250	256.7	102.7
a cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	500.0	100.0
a cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	978.4	97.8
a qc 1000	8	<input checked="" type="checkbox"/>	1000	945.3	94.5

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1a mdq.batch.bin  
**Last Calib Update** 2/15/2017 4:17 PM **Analyst Name** ISP TOX

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

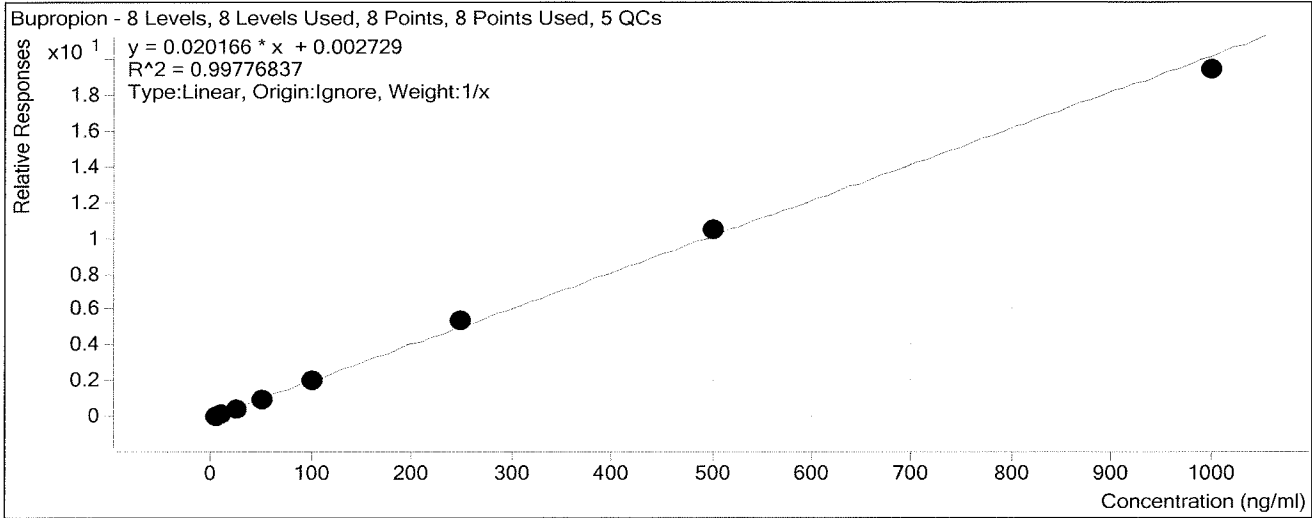


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1 - 5ng	1	<input checked="" type="checkbox"/>	5	4.8	95.7
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	9.4	93.6
a QC 10	2	<input checked="" type="checkbox"/>	10	11.4	114.4
a cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	22.3	89.2
a cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	50.2	100.4
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	114.5	114.5
a qc 100	5	<input checked="" type="checkbox"/>	100	99.5	99.5
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	109.0	109.0
a cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	269.8	107.9
a QC 250	6	<input checked="" type="checkbox"/>	250	232.6	93.0
a cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	518.3	103.7
a cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	950.8	95.1
a qc 1000	8	<input checked="" type="checkbox"/>	1000	878.6	87.9

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1a mdq.batch.bin  
**Last Calib Update** 2/15/2017 4:17 PM **Analyst Name** ISP TOX

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



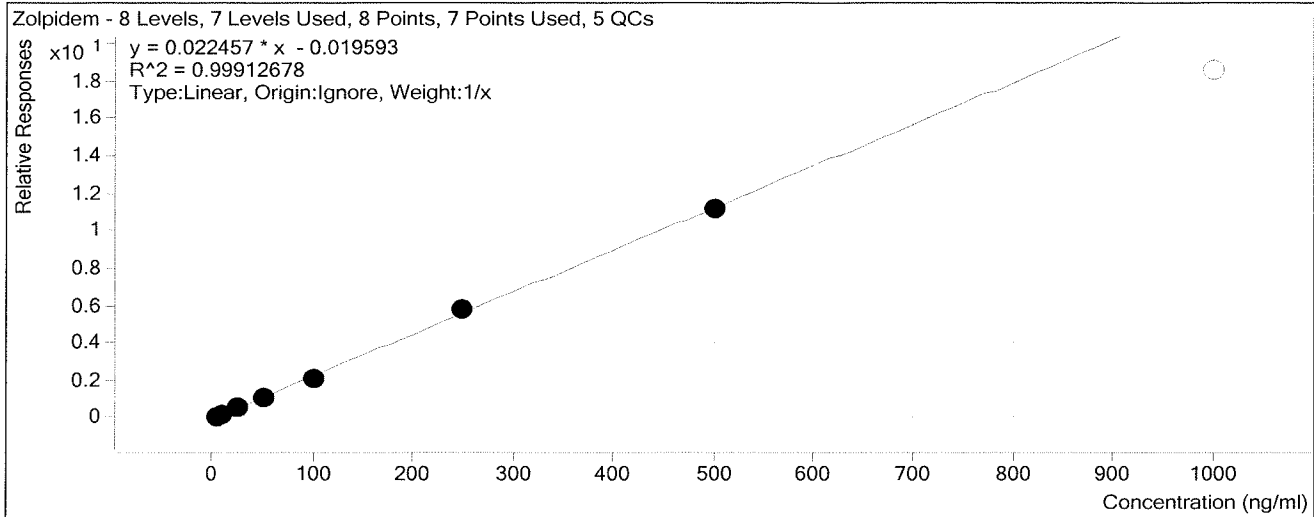
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1 - 5ng	1	<input checked="" type="checkbox"/>	5	4.6	92.3
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	10.3	102.6
a QC 10	2	<input checked="" type="checkbox"/>	10	12.4	123.6
a cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	24.7	98.8
a cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	49.4	98.7
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	99.2	99.2
a qc 100	5	<input checked="" type="checkbox"/>	100	120.7	120.7
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	119.6	119.6
a cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	270.5	108.2
a QC 250	6	<input checked="" type="checkbox"/>	250	273.5	109.4
a cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	519.5	103.9
a cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	961.8	96.2
a qc 1000	8	<input checked="" type="checkbox"/>	1000	956.8	95.7



# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1a mdq.batch.bin  
**Last Calib Update** 2/15/2017 4:17 PM **Analyst Name** ISP TOX

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

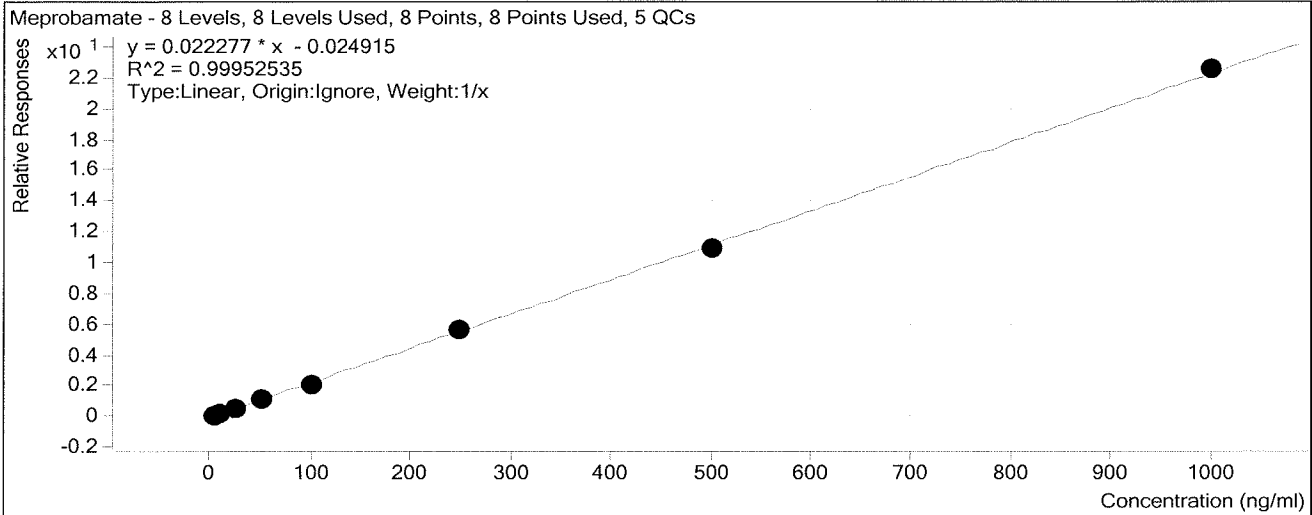


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1 - 5ng	1	<input checked="" type="checkbox"/>	5	5.5	109.3
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	9.5	95.1
a QC 10	2	<input checked="" type="checkbox"/>	10	12.3	122.8
a cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	24.0	96.2
a cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	51.2	102.3
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	94.5	94.5
a qc 100	5	<input checked="" type="checkbox"/>	100	110.1	110.1
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	110.3	110.3
a cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	258.0	103.2
a QC 250	6	<input checked="" type="checkbox"/>	250	202.3	80.9
a cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	497.3	99.5
a cal 8 - 1000ng	8	<input type="checkbox"/>	1000	827.3	82.7
a qc 1000	8	<input type="checkbox"/>	1000	800.7	80.1

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1a mdq.batch.bin  
**Last Calib Update** 2/15/2017 4:17 PM **Analyst Name** ISP TOX

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

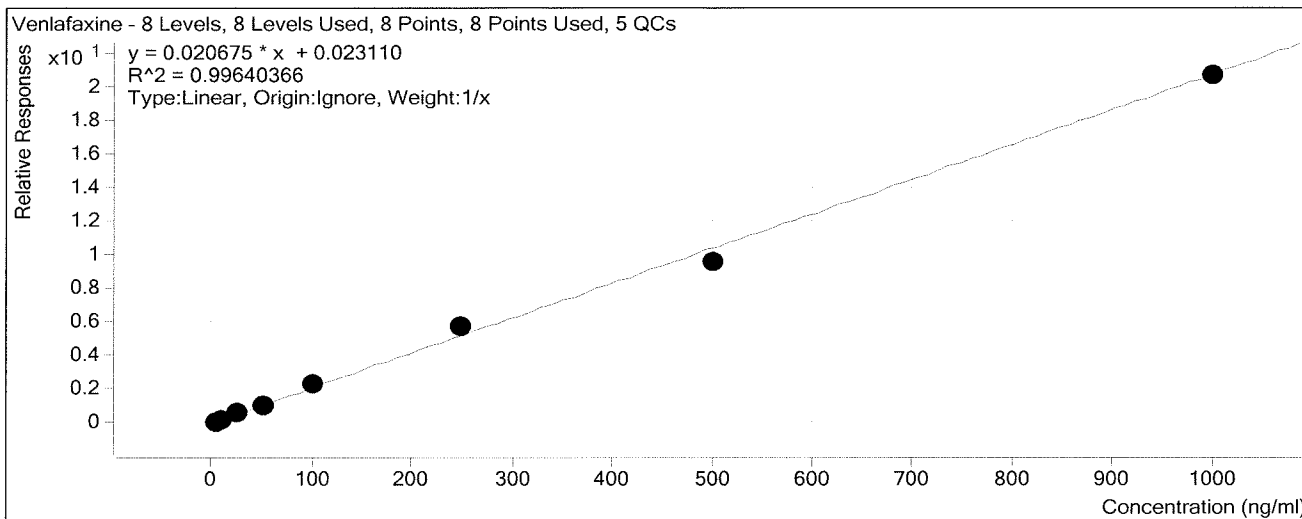


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1 - 5ng	1	<input checked="" type="checkbox"/>	5	5.8	116.5
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	9.3	93.5
a QC 10	2	<input checked="" type="checkbox"/>	10	12.0	120.2
a cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	23.7	94.7
a cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	50.0	100.0
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	95.1	95.1
a qc 100	5	<input checked="" type="checkbox"/>	100	117.9	117.9
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	96.1	96.1
a cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	252.1	100.8
a QC 250	6	<input checked="" type="checkbox"/>	250	213.8	85.5
a cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	491.0	98.2
a cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	1013.0	101.3
a qc 1000	8	<input checked="" type="checkbox"/>	1000	837.0	83.7

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1a mdq.batch.bin  
**Last Calib Update** 2/15/2017 4:17 PM **Analyst Name** ISP TOX

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

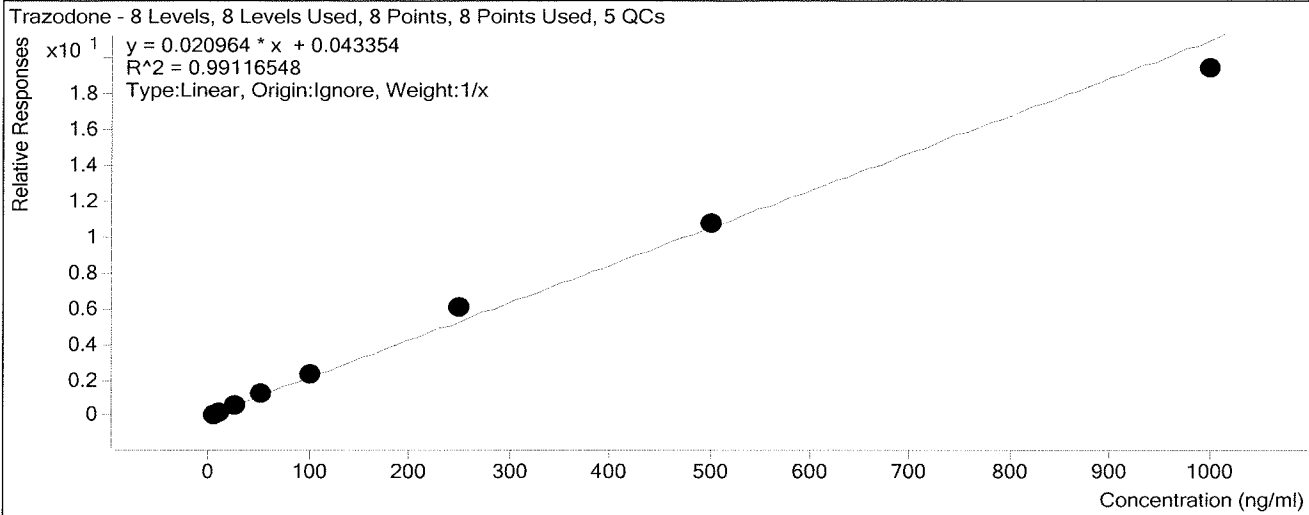


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1 - 5ng	1	<input checked="" type="checkbox"/>	5	4.4	87.4
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	9.2	91.7
a QC 10	2	<input checked="" type="checkbox"/>	10	10.8	107.7
a cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	27.3	109.2
a cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	49.5	99.0
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	108.9	108.9
a qc 100	5	<input checked="" type="checkbox"/>	100	121.6	121.6
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	128.4	128.4
a cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	277.0	110.8
a QC 250	6	<input checked="" type="checkbox"/>	250	278.0	111.2
a cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	466.0	93.2
a cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	997.7	99.8
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1069.2	106.9

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1a mdq.batch.bin  
**Last Calib Update** 2/15/2017 4:17 PM **Analyst Name** ISP TOX

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

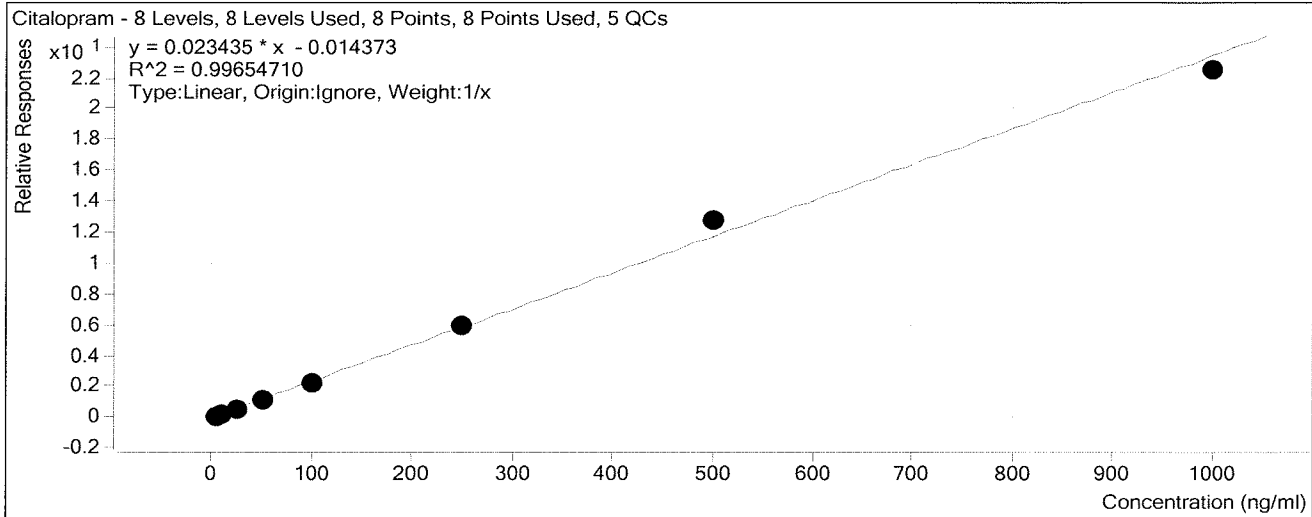


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1 - 5ng	1	<input checked="" type="checkbox"/>	5	3.5	70.8 ✓
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	8.7	87.1
a QC 10	2	<input checked="" type="checkbox"/>	10	10.4	104.0
a cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	25.6	102.2
a cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	57.6	115.3
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	112.8	112.8
a qc 100	5	<input checked="" type="checkbox"/>	100	123.7	123.7
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	149.3	149.3
a cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	290.5	116.2
a QC 250	6	<input checked="" type="checkbox"/>	250	293.6	117.4
a cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	514.6	102.9
a cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	926.6	92.7
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1002.3	100.2

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1a mdq.batch.bin  
**Last Calib Update** 2/15/2017 4:17 PM **Analyst Name** ISP TOX

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

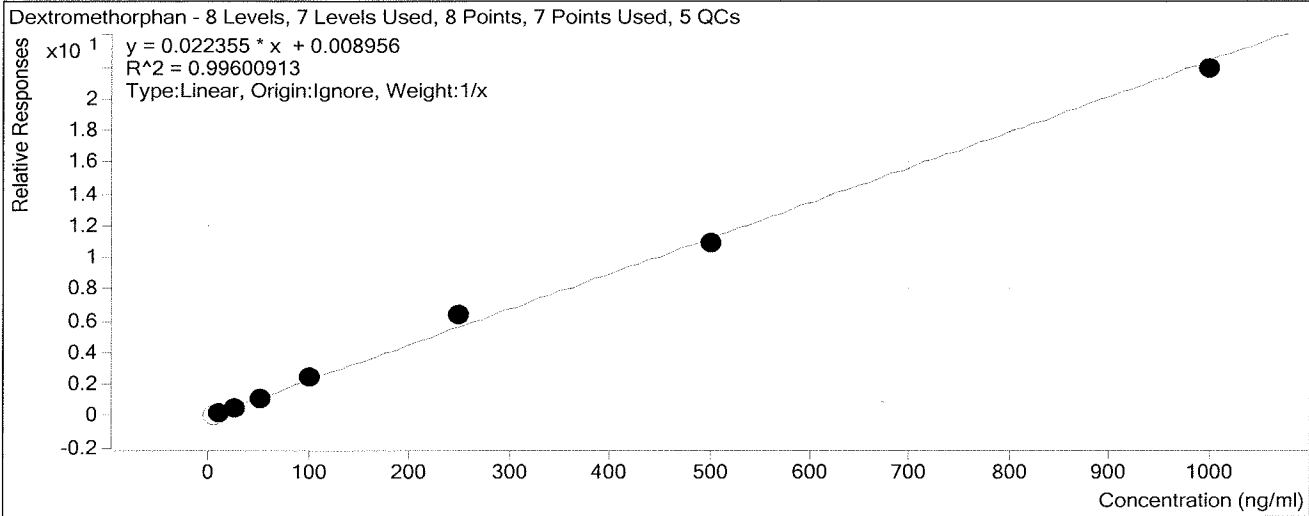


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1 - 5ng	1	<input checked="" type="checkbox"/>	5	5.5	110.3
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	9.3	93.3
a QC 10	2	<input checked="" type="checkbox"/>	10	12.7	127.3
a cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	24.9	99.6
a cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	48.8	97.5
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	92.3	92.3
a qc 100	5	<input checked="" type="checkbox"/>	100	112.1	112.1
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	125.1	125.1
a cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	255.6	102.2
a QC 250	6	<input checked="" type="checkbox"/>	250	248.8	99.5
a cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	543.2	108.6
a cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	960.4	96.0
a qc 1000	8	<input checked="" type="checkbox"/>	1000	956.9	95.7

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1a mdq.batch.bin  
**Last Calib Update** 2/15/2017 4:17 PM **Analyst Name** ISP TOX

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

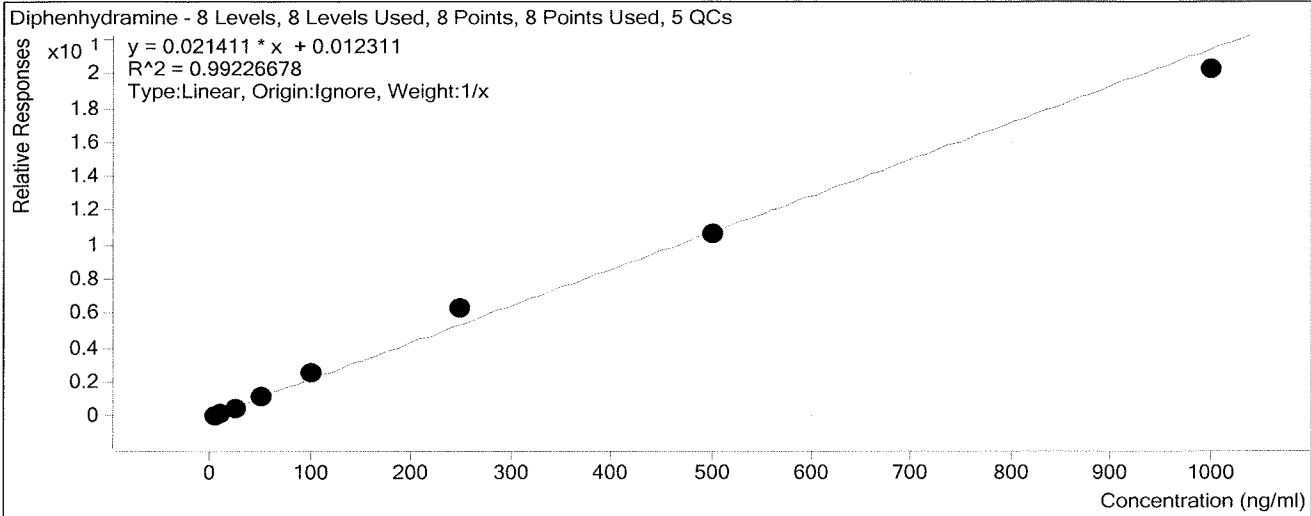


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1 - 5ng	1	<input type="checkbox"/>	5	4.5	90.2
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	9.7	97.2
a QC 10	2	<input checked="" type="checkbox"/>	10	11.2	112.4
a cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	23.0	92.1
a cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	47.4	94.8
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	107.1	107.1
a qc 100	5	<input checked="" type="checkbox"/>	100	115.0	115.0
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	112.7	112.7
a cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	285.0	114.0
a QC 250	6	<input checked="" type="checkbox"/>	250	284.8	113.9
a cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	484.6	96.9
a cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	978.1	97.8
a qc 1000	8	<input checked="" type="checkbox"/>	1000	966.3	96.6

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1a mdq.batch.bin  
**Last Calib Update** 2/15/2017 4:17 PM **Analyst Name** ISP TOX

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

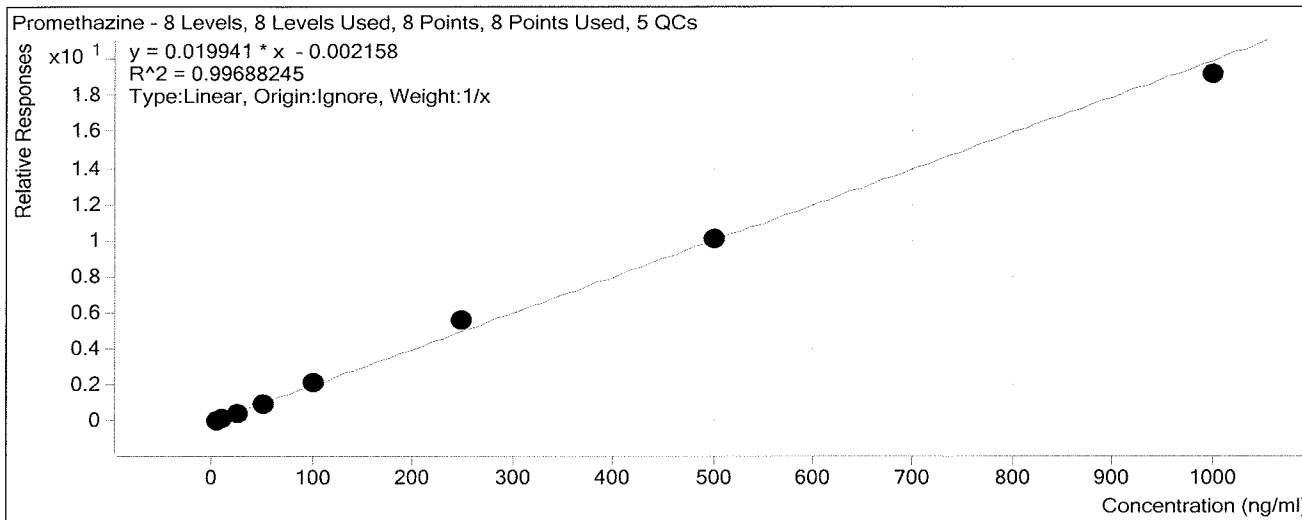


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1 - 5ng	1	<input checked="" type="checkbox"/>	5	4.0	79.2
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	9.5	94.6
a QC 10	2	<input checked="" type="checkbox"/>	10	12.4	124.2
a cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	22.9	91.7
a cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	53.4	106.7
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	117.2	117.2
a qc 100	5	<input checked="" type="checkbox"/>	100	116.2	116.2
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	117.0	117.0
a cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	292.4	116.9
a QC 250	6	<input checked="" type="checkbox"/>	250	260.8	104.3
a cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	495.1	99.0
a cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	945.6	94.6
a qc 1000	8	<input checked="" type="checkbox"/>	1000	978.7	97.9

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1a mdq.batch.bin  
**Last Calib Update** 2/15/2017 4:17 PM **Analyst Name** ISP TOX

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



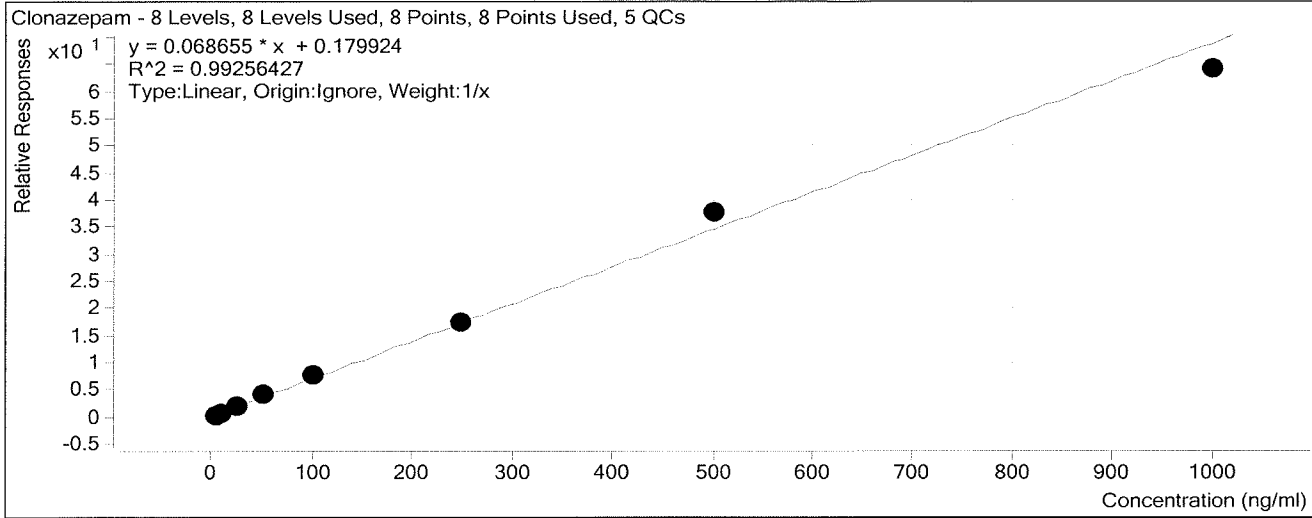
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1 - 5ng	1	<input checked="" type="checkbox"/>	5	5.0	99.4
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	9.4	94.2
a QC 10	2	<input checked="" type="checkbox"/>	10	12.0	119.9
a cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	24.4	97.5
a cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	47.1	94.2
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	105.1	105.1
a qc 100	5	<input checked="" type="checkbox"/>	100	134.6	134.6
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	111.9	111.9
a cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	279.7	111.9
a QC 250	6	<input checked="" type="checkbox"/>	250	284.6	113.8
a cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	507.0	101.4
a cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	962.3	96.2
a qc 1000	8	<input checked="" type="checkbox"/>	1000	944.0	94.4



# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1a mdq.batch.bin  
**Last Calib Update** 2/15/2017 4:17 PM **Analyst Name** ISP TOX

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

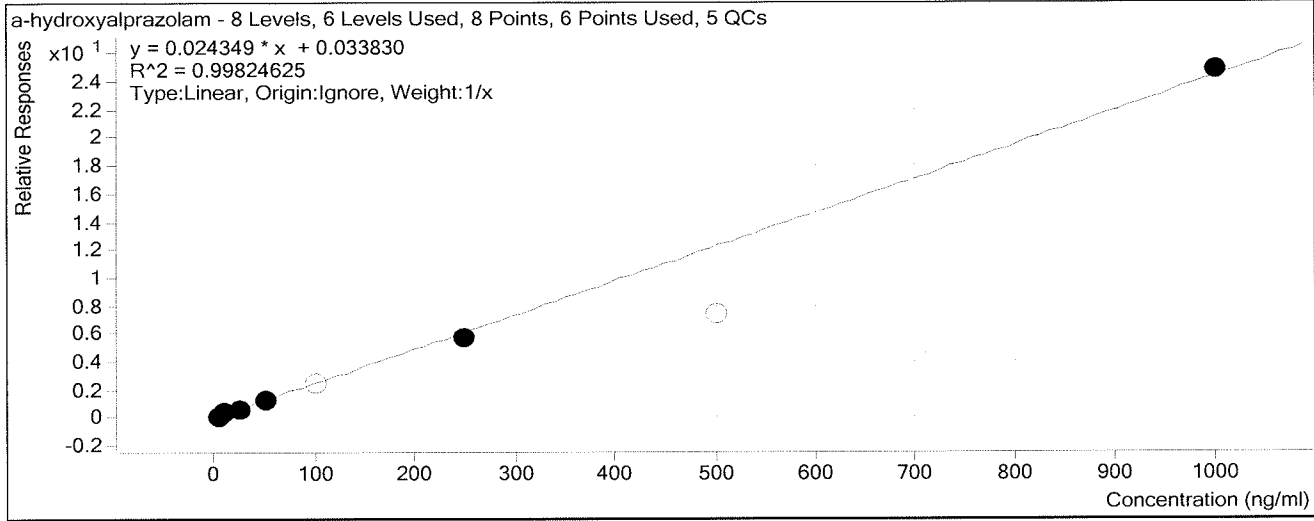


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1 - 5ng	1	<input checked="" type="checkbox"/>	5	3.9	78.7
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	8.4	83.6
a QC 10	2	<input checked="" type="checkbox"/>	10	9.8	97.6
a cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	25.9	103.8
a cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	58.8	117.5
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	113.2	113.2
a qc 100	5	<input checked="" type="checkbox"/>	100	120.3	120.3
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	126.1	126.1
a cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	251.5	100.6
a QC 250	6	<input checked="" type="checkbox"/>	250	288.5	115.4
a cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	547.9	109.6
a cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	930.4	93.0
a qc 1000	8	<input checked="" type="checkbox"/>	1000	957.2	95.7

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1a mdq.batch.bin  
**Last Calib Update** 2/15/2017 4:17 PM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1 - 5ng	1	<input checked="" type="checkbox"/>	5	4.5	90.3
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	12.6	126.5
a QC 10	2	<input checked="" type="checkbox"/>	10	10.0	100.1
a cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	23.1	92.3
a cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	47.6	95.2
a cal 5- 100ng	5	<input type="checkbox"/>	100	97.0	97.0
a qc 100	5	<input type="checkbox"/>	100	117.4	117.4
a qc 100 2nd	5	<input type="checkbox"/>	100	131.0	131.0
a cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	235.2	94.1
a QC 250	6	<input checked="" type="checkbox"/>	250	259.0	103.6
a cal 7 - 500ng	7	<input type="checkbox"/>	500	304.1	60.8
a cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	1017.0	101.7
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1035.1	103.5

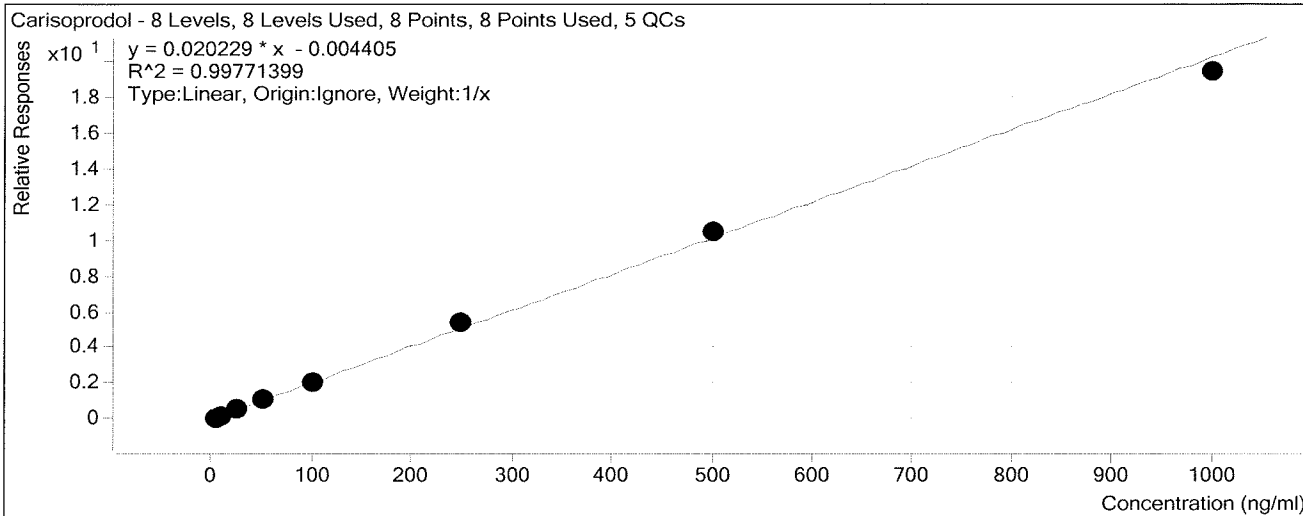
*ISP*

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1a  
mdq.batch.bin

**Last Calib Update** 2/15/2017 4:17 PM      **Analyst Name** ISP TOX

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



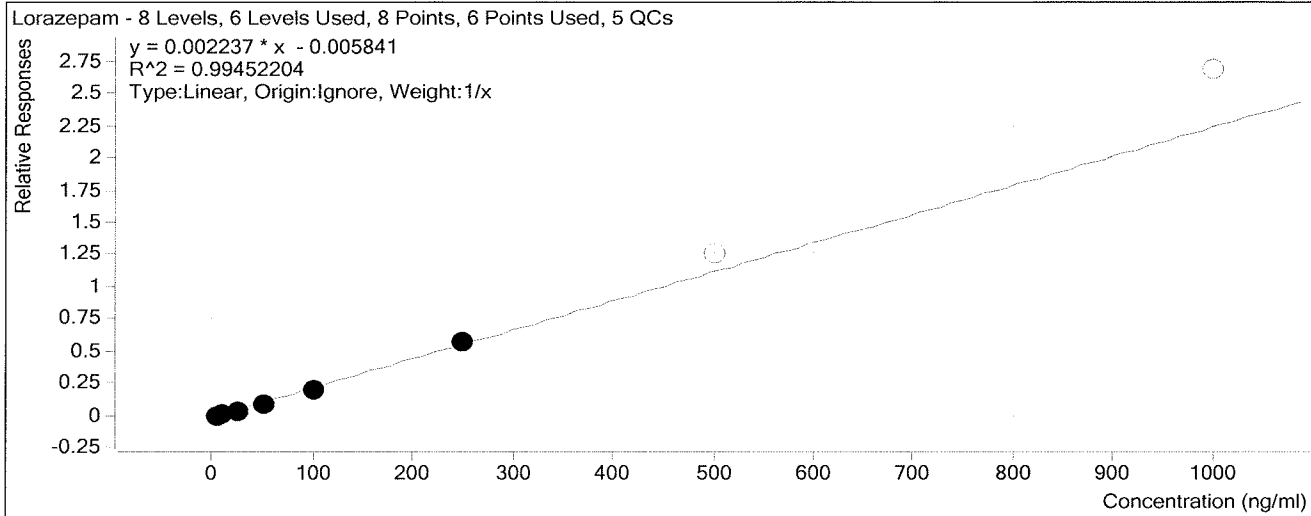
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1 - 5ng	1	<input checked="" type="checkbox"/>	5	5.0	99.5
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	8.1	80.6
a QC 10	2	<input checked="" type="checkbox"/>	10	12.7	127.0
a cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	26.0	104.1
a cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	53.5	107.0
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	102.9	102.9
a qc 100	5	<input checked="" type="checkbox"/>	100	132.9	132.9
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	106.9	106.9
a cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	265.0	106.0
a QC 250	6	<input checked="" type="checkbox"/>	250	216.5	86.6
a cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	519.8	104.0
a cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	959.7	96.0
a qc 1000	8	<input checked="" type="checkbox"/>	1000	911.4	91.1

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1a  
mdq.batch.bin

**Last Calib Update** 2/15/2017 4:17 PM      **Analyst Name** ISP TOX

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

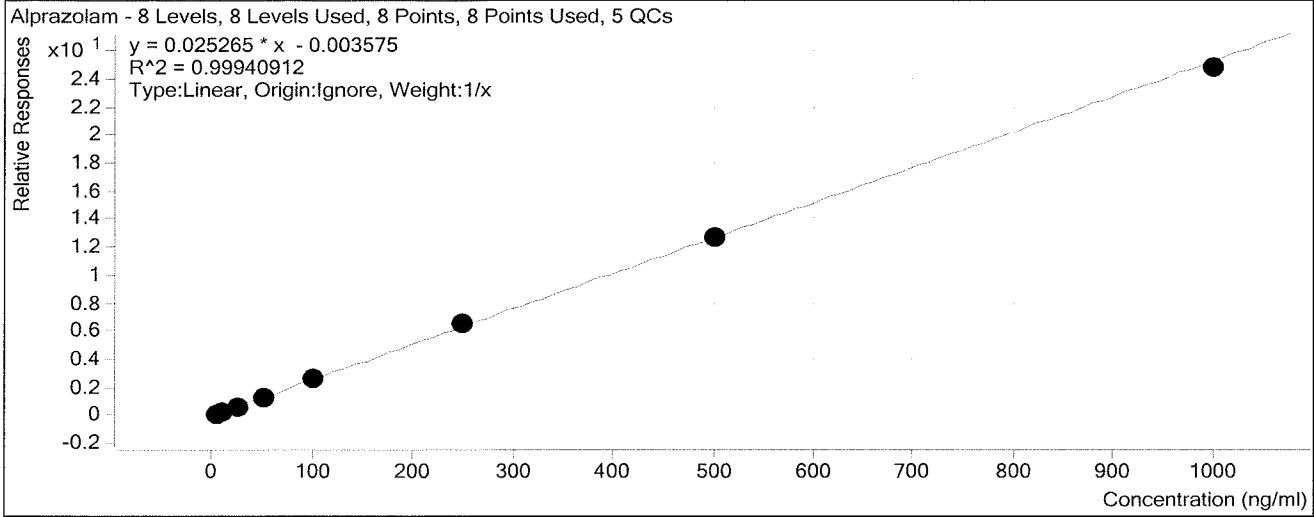


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1 - 5ng	1	<input checked="" type="checkbox"/>	5	5.5	110.8
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	11.3	112.6
a QC 10	2	<input checked="" type="checkbox"/>	10	11.7	116.5
a cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	21.1	84.6
a cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	46.7	93.4
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	94.1	94.1
a qc 100	5	<input checked="" type="checkbox"/>	100	110.2	110.2
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	107.5	107.5
a cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	261.3	104.5
a QC 250	6	<input type="checkbox"/>	250	272.9	109.1
a cal 7 - 500ng	7	<input type="checkbox"/>	500	563.4	112.7
a cal 8 - 1000ng	8	<input type="checkbox"/>	1000	1200.0	120.0
a qc 1000	8	<input checked="" type="checkbox"/>	1000	777.9	77.8

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1a mdq.batch.bin  
**Last Calib Update** 2/15/2017 4:17 PM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1 - 5ng	1	<input checked="" type="checkbox"/>	5	4.9	98.7
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	9.5	94.8
a QC 10	2	<input checked="" type="checkbox"/>	10	12.5	125.2
a cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	24.5	98.2
a cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	51.4	102.8
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	101.7	101.7
a qc 100	5	<input checked="" type="checkbox"/>	100	117.6	117.6
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	119.7	119.7
a cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	261.1	104.4
a QC 250	6	<input checked="" type="checkbox"/>	250	271.5	108.6
a cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	506.2	101.2
a cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	980.7	98.1
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1081.4	108.1

# ISP FORENSICS - Cd'A Instrument # 62340

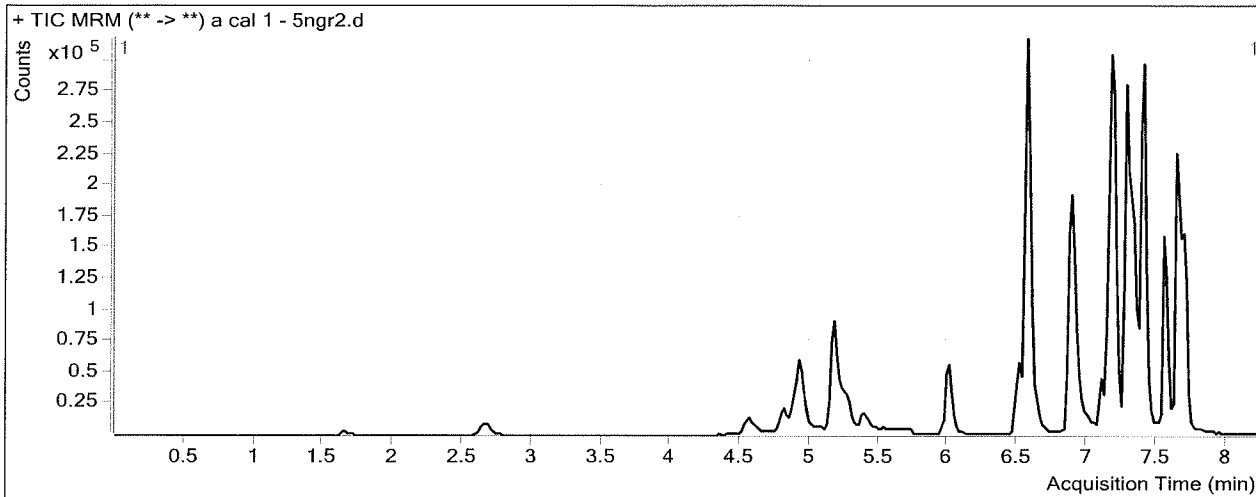
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1a mdq.batch.bin		
<b>Analysis Time</b>	2/15/2017 4:18 PM	<b>Analyst Name</b>	ISP Tox
<b>Report Time</b>	2/15/2017 4:27 PM	<b>Reporter Name</b>	ISP Tox
<b>Last Calib Update</b>	2/15/2017 4:17 PM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2017-02-13 22:38	<b>Data File</b>	a cal 1 - 5ngr2.d
<b>Sample Type</b>	Calibration	<b>Sample Name</b>	a cal 1 - 5ng
<b>Dilution</b>	1	<b>Acq Method</b>	Quant Panel 1a 2-13-17.m
<b>Position</b>	P1-A1	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	AM 28 Panel 1 Confirmation

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.668	1665	6686	0.2490	4.8190
Hydromorphone	Hydromorphone-D6	2.688	7896	46540	0.1697	4.9888
Codeine	Codeine-D6	4.613	3541	24711	0.1433	5.7382
Oxycodone	Oxycodone-D6	4.951	17841	145469	0.1226	5.8237
Amphetamine	Amphetamine-D11	4.944	74132	73318	1.0111	2.2110
Hydrocodone	Hydrocodone-D6	5.195	11580	132957	0.0871	3.8086
Norhydrocodone	Norhydrocodone-D3	5.258	1012	57351	0.0176	6.4246
Methamphetamine	Methamphetamine-D11	5.281	42670	206710	0.2064	3.6316
6-MAM	6-MAM-D6	5.409	464	41076	0.0113	0.4804
Phentermine	Phentermine-D5	6.046	6640	197935	0.0335	4.0214
Dextropropion	Dextropropion-D3	6.504	10416	159412	0.0653	4.7491
Tramadol	Tramadol-13C-D3	6.580	93501	768798	0.1216	4.7636
7-aminoclonazepam	7-Aminoclonazepam-D4	6.575	14975	131569	0.1138	4.6473
Doxylamine	Doxylamine-D5	6.903	85791	754674	0.1137	4.7867
Bupropion	Bupropion-D9	7.132	10742	112096	0.0958	4.6168
Zolpidem	Zolpidem-D6	7.183	82070	795851	0.1031	5.4646
Meprobamate	Meprobamate-D7	7.193	9698	92544	0.1048	5.8226
Venlafaxine	Venlafaxine-D6	7.286	70186	618342	0.1135	4.3723
Trazodone	Trazodone-D6	7.336	36717	312228	0.1176	3.5415
Citalopram	Citalopram-D6	7.378	29248	254509	0.1149	5.5171
Dextromethorphan	Dextromethorphan-D3	7.408	6125	55766	0.1098	4.5124
Diphenhydramine	Diphenhydramine-D3	7.412	45020	463419	0.0971	3.9623
Promethazine	Promethazine-D3	7.546	35124	362394	0.0969	4.9688

**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	7.583	7078	15731	0.4499	3.9326
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.640	3072	21367	0.1438	4.5158
Carisoprodol	Carisoprodol-D7	7.672	39917	414926	0.0962	4.9734
Lorazepam	Alprazolam-D5	7.683	1734	264632	0.0066	5.5410
Alprazolam	Alprazolam-D5	7.706	32063	264632	0.1212	4.9370



# ISP FORENSICS - Cd'A Instrument # 62340

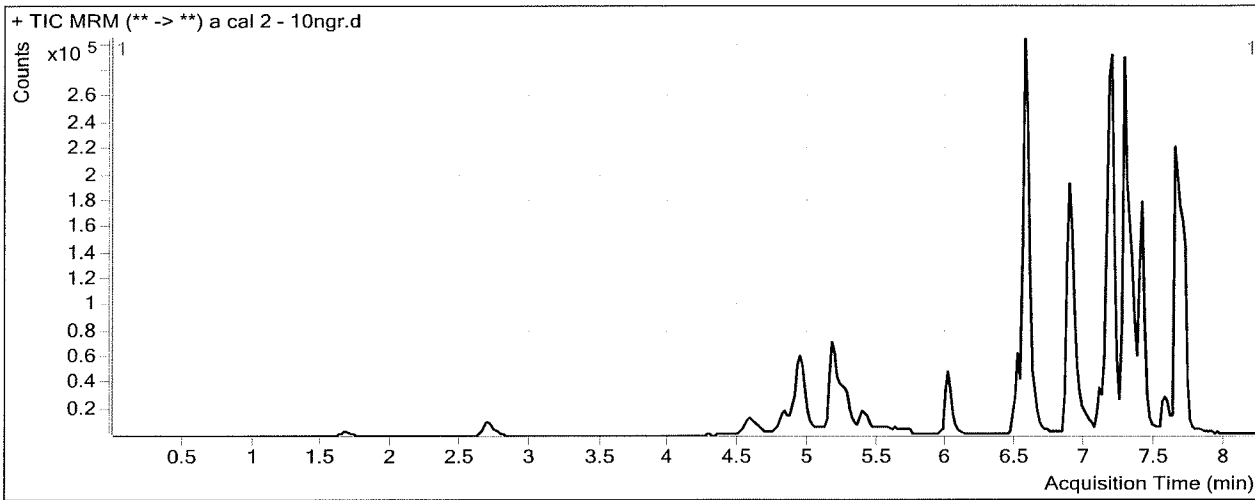
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1a mdq.batch.bin		
<b>Analysis Time</b>	2/15/2017 4:18 PM	<b>Analyst Name</b>	ISP Tox
<b>Report Time</b>	2/15/2017 4:27 PM	<b>Reporter Name</b>	ISP Tox
<b>Last Calib Update</b>	2/15/2017 4:17 PM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2017-02-13 22:51	<b>Data File</b>	a cal 2 - 10ngr.d
<b>Sample Type</b>	Calibration	<b>Sample Name</b>	a cal 2 - 10ng
<b>Dilution</b>	1	<b>Acq Method</b>	Quant Panel 1a 2-13-17.m
<b>Position</b>	P1-B1	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	AM 28 Panel 1 Confirmation

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.688	2700	5729	0.4713	9.6065
Hydromorphone	Hydromorphone-D6	2.728	12760	39706	0.3214	9.1543
Codeine	Codeine-D6	4.633	6611	26846	0.2463	9.3809
Oxycodone	Oxycodone-D6	4.951	29788	140395	0.2122	9.3930
Amphetamine	Amphetamine-D11	4.964	91931	62226	1.4774	8.0362
Hydrocodone	Hydrocodone-D6	5.215	21400	122324	0.1749	8.6973
Norhydrocodone	Norhydrocodone-D3	5.258	2005	53755	0.0373	10.1965
Methamphetamine	Methamphetamine-D11	5.281	42358	119622	0.3541	8.9363
6-MAM	6-MAM-D6	5.409	1030	38454	0.0268	1.1205
Phentermine	Phentermine-D5	6.046	9978	160449	0.0622	8.8733
Dextroprphan	Dextroprphan-D3	6.504	16559	140254	0.1181	8.6032
Tramadol	Tramadol-13C-D3	6.580	159219	752903	0.2115	8.9206
7-aminoclonazepam	7-Aminoclonazepam-D4	6.575	22690	102601	0.2211	9.1176
Doxylamine	Doxylamine-D5	6.903	145022	658862	0.2201	9.3585
Bupropion	Bupropion-D9	7.132	16219	77350	0.2097	10.2626
Zolpidem	Zolpidem-D6	7.183	138041	712039	0.1939	9.5054
Meprobamate	Meprobamate-D7	7.213	16197	88340	0.1834	9.3490
Venlafaxine	Venlafaxine-D6	7.286	110915	521719	0.2126	9.1650
Trazodone	Trazodone-D6	7.336	45295	200515	0.2259	8.7072
Citalopram	Citalopram-D6	7.378	25704	125894	0.2042	9.3258
Dextromethorphan	Dextromethorphan-D3	7.408	4555	20129	0.2263	9.7223
Diphenhydramine	Diphenhydramine-D3	7.412	48651	226464	0.2148	9.4587
Promethazine	Promethazine-D3	7.567	9641	51898	0.1858	9.4245



# 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	7.583	10476	13900	0.7537	8.3570
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.640	4857	14210	0.3418	12.6476
Carisoprodol	Carisoprodol-D7	7.672	60727	382915	0.1586	8.0575
Lorazepam	Alprazolam-D5	7.683	4799	247968	0.0194	11.2628
Alprazolam	Alprazolam-D5	7.706	58503	247968	0.2359	9.4795



# ISP FORENSICS - Cd'A Instrument # 62340

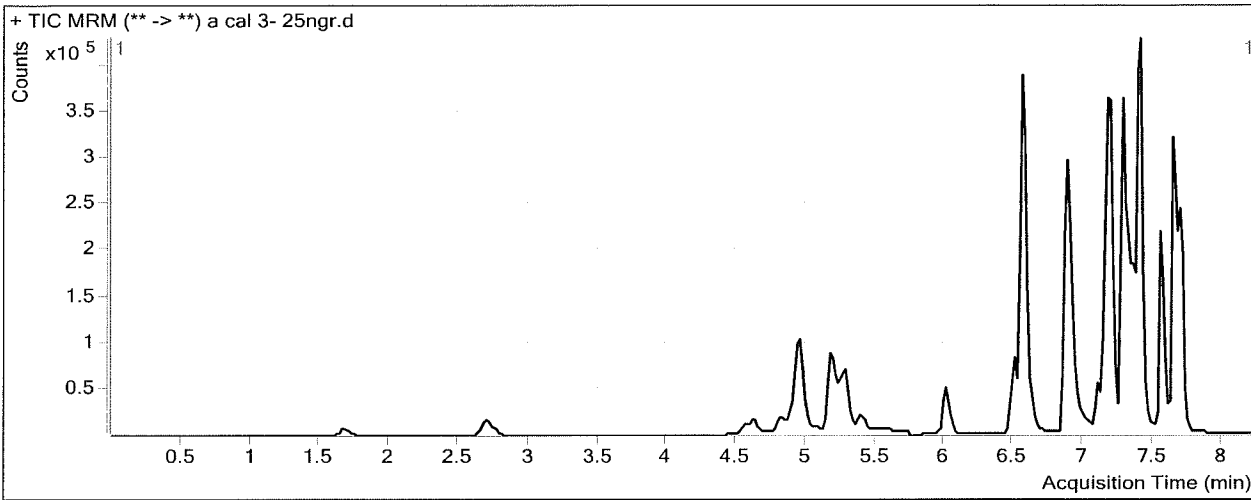
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1a mdq.batch.bin  
**Analysis Time** 2/15/2017 4:18 PM **Analyst Name** ISP Tox  
**Report Time** 2/15/2017 4:27 PM **Reporter Name** ISP Tox  
**Last Calib Update** 2/15/2017 4:17 PM **Batch State** Processed

### Analysis Info

**Acq Time** 2017-02-13 23:03 **Data File** a cal 3- 25ngr.d  
**Sample Type** Calibration **Sample Name** a cal 3- 25ng  
**Dilution** 1 **Acq Method** Quant Panel 1a 2-13-17.m  
**Position** P1-C1 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28 Panel 1 Confirmation

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.688	7523	6432	1.1695	24.6442
Hydromorphone	Hydromorphone-D6	2.708	36987	42058	0.8794	24.4797
Codeine	Codeine-D6	4.633	15930	24623	0.6469	23.5592
Oxycodone	Oxycodone-D6	4.951	79775	138911	0.5743	23.8291
Amphetamine	Amphetamine-D11	4.964	182803	65252	2.8015	24.5793
Hydrocodone	Hydrocodone-D6	5.215	60933	122086	0.4991	26.7361
Norhydrocodone	Norhydrocodone-D3	5.258	5554	50336	0.1103	24.2124
Methamphetamine	Methamphetamine-D11	5.281	140523	168163	0.8356	26.2334
6-MAM	6-MAM-D6	5.409	2094	37043	0.0565	2.3525
Phentermine	Phentermine-D5	6.046	27874	169369	0.1646	26.2138
Dextropropofol	Dextropropofol-D3	6.504	47361	141933	0.3337	24.3634
Tramadol	Tramadol-13C-D3	6.580	408726	720506	0.5673	25.3816
7-aminoclonazepam	7-Aminoclonazepam-D4	6.575	71342	113003	0.6313	26.2021
Doxylamine	Doxylamine-D5	6.883	337566	647643	0.5212	22.2927
Bupropion	Bupropion-D9	7.112	48025	95849	0.5010	24.7113
Zolpidem	Zolpidem-D6	7.183	355311	682909	0.5203	24.0411
Meprobamate	Meprobamate-D7	7.193	35785	71230	0.5024	23.6700
Venlafaxine	Venlafaxine-D6	7.286	323022	549966	0.5874	27.2911
Trazodone	Trazodone-D6	7.336	172656	298188	0.5790	25.5515
Citalopram	Citalopram-D6	7.378	132893	233374	0.5694	24.9125
Dextromethorphan	Dextromethorphan-D3	7.388	30743	58677	0.5239	23.0358
Diphenhydramine	Diphenhydramine-D3	7.412	230098	457326	0.5031	22.9241
Promethazine	Promethazine-D3	7.546	169087	349360	0.4840	24.3798

**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	7.583	26897	13715	1.9612	25.9446
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.640	12688	21305	0.5955	23.0688
Carisoprodol	Carisoprodol-D7	7.652	185790	355815	0.5222	26.0299
Lorazepam	Alprazolam-D5	7.683	9482	228709	0.0415	21.1449
Alprazolam	Alprazolam-D5	7.706	141011	228709	0.6166	24.5446



# ISP FORENSICS - Cd'A Instrument # 62340

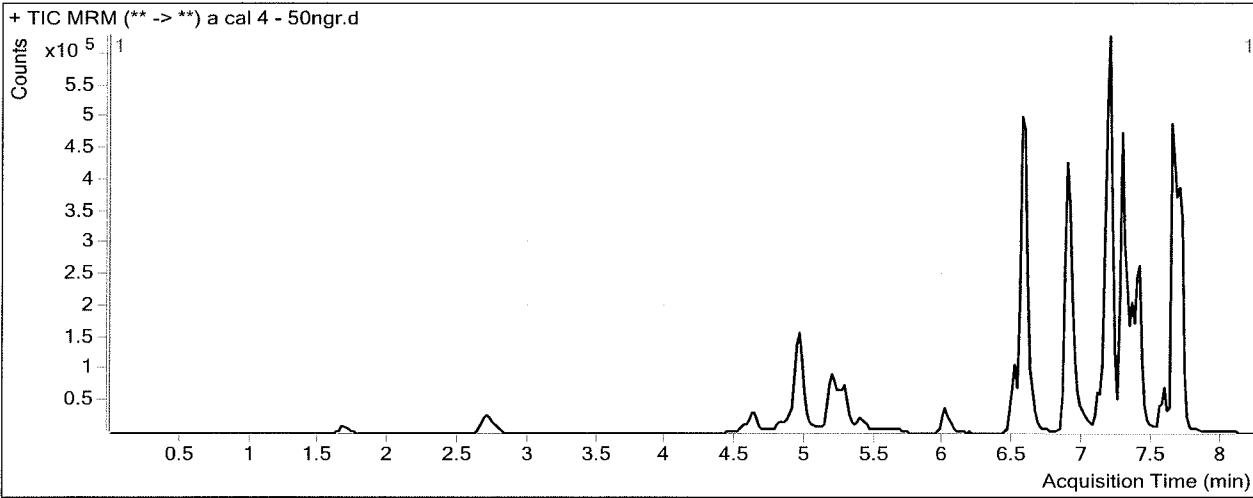
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1a mdq.batch.bin		
<b>Analysis Time</b>	2/15/2017 4:18 PM	<b>Analyst Name</b>	ISP Tox
<b>Report Time</b>	2/15/2017 4:27 PM	<b>Reporter Name</b>	ISP Tox
<b>Last Calib Update</b>	2/15/2017 4:17 PM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2017-02-13 23:16	<b>Data File</b>	a cal 4 - 50ngr.d
<b>Sample Type</b>	Calibration	<b>Sample Name</b>	a cal 4 - 50ng
<b>Dilution</b>	1	<b>Acq Method</b>	Quant Panel 1a 2-13-17.m
<b>Position</b>	P1-D1	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	AM 28 Panel 1 Confirmation

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.688	16184	6711	2.4116	51.3937
Hydromorphone	Hydromorphone-D6	2.708	80054	41996	1.9062	52.6773
Codeine	Codeine-D6	4.633	35280	26990	1.3071	46.9190
Oxycodone	Oxycodone-D6	4.951	172884	144552	1.1960	48.6140
Amphetamine	Amphetamine-D11	4.964	236444	43936	5.3816	56.8137
Hydrocodone	Hydrocodone-D6	5.215	126410	126982	0.9955	54.3599
Norhydrocodone	Norhydrocodone-D3	5.277	10721	50975	0.2103	43.3955
Methamphetamine	Methamphetamine-D11	5.281	143390	86318	1.6612	55.8875
6-MAM	6-MAM-D6	5.409	4687	39337	0.1192	4.9436
Phentermine	Phentermine-D5	6.046	40387	121008	0.3338	54.8669
Dextroprphan	Dextroprphan-D3	6.504	84897	114858	0.7391	54.0001
Tramadol	Tramadol-13C-D3	6.580	813882	705293	1.1540	52.5244
7-aminoclonazepam	7-Aminoclonazepam-D4	6.575	140340	113316	1.2385	51.4910
Doxylamine	Doxylamine-D5	6.883	651852	556882	1.1705	50.1841
Bupropion	Bupropion-D9	7.132	74693	74839	0.9980	49.3573
Zolpidem	Zolpidem-D6	7.183	761291	673942	1.1296	51.1742
Meprobamate	Meprobamate-D7	7.193	95555	87778	1.0886	49.9845
Venlafaxine	Venlafaxine-D6	7.286	516374	493310	1.0468	49.5114
Trazodone	Trazodone-D6	7.336	231313	184773	1.2519	57.6473
Citalopram	Citalopram-D6	7.378	115611	102480	1.1281	48.7529
Dextromethorphan	Dextromethorphan-D3	7.388	17787	16641	1.0689	47.4130
Diphenhydramine	Diphenhydramine-D3	7.412	189315	163922	1.1549	53.3649
Promethazine	Promethazine-D3	7.546	43623	46550	0.9371	47.1031

**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	7.583	65709	15590	4.2148	58.7709
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.640	30438	25529	1.1923	47.5788
Carisoprodol	Carisoprodol-D7	7.652	410388	380861	1.0775	53.4846
Lorazepam	Alprazolam-D5	7.683	24092	244298	0.0986	46.6960
Alprazolam	Alprazolam-D5	7.706	316509	244298	1.2956	51.4206



# ISP FORENSICS - Cd'A Instrument # 62340

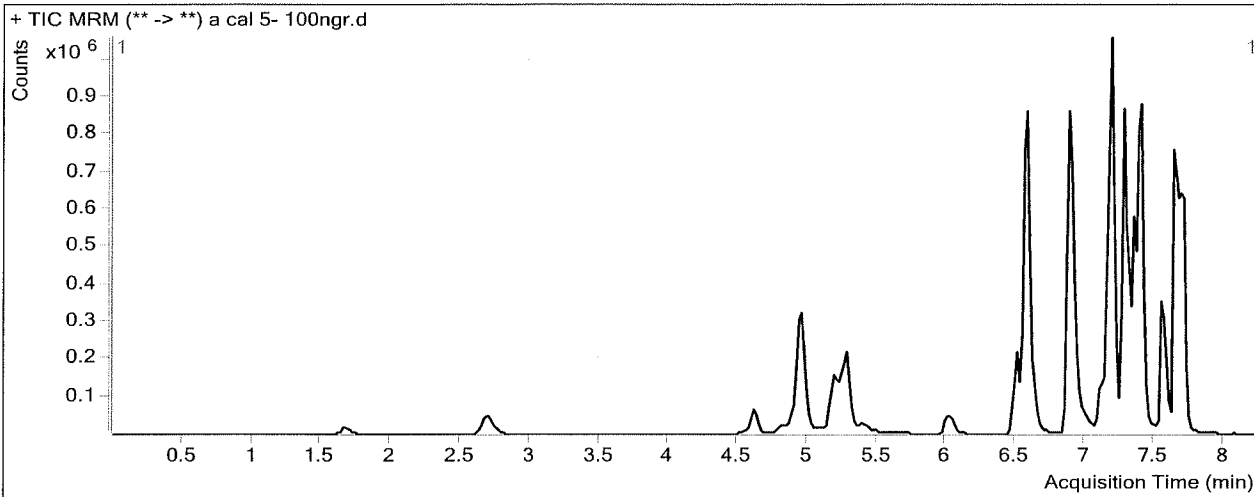
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1a mdq.batch.bin		
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<b>Report Time</b>	2/15/2017 4:27 PM	<b>Reporter Name</b>	ISP Tox
<b>Last Calib Update</b>	2/15/2017 4:17 PM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2017-02-13 23:29	<b>Data File</b>	a cal 5- 100ngr.d
<b>Sample Type</b>	Calibration	<b>Sample Name</b>	a cal 5- 100ng
<b>Dilution</b>	1	<b>Acq Method</b>	Quant Panel 1a 2-13-17.m
<b>Position</b>	P1-E1	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	AM 28 Panel 1 Confirmation

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.688	31673	6760	4.6856	100.3673
Hydromorphone	Hydromorphone-D6	2.688	159728	44325	3.6036	99.2896
Codeine	Codeine-D6	4.613	74089	26742	2.7705	98.7021
Oxycodone	Oxycodone-D6	4.951	367379	169051	2.1732	87.5710
Amphetamine	Amphetamine-D11	4.944	591503	61693	9.5879	109.3655
Hydrocodone	Hydrocodone-D6	5.215	265918	132872	2.0013	110.3322
Norhydrocodone	Norhydrocodone-D3	5.277	22855	51524	0.4436	88.1491
Methamphetamine	Methamphetamine-D11	5.281	503221	151457	3.3225	115.5649
6-MAM	6-MAM-D6	5.409	9614	40814	0.2356	9.7616
Phentermine	Phentermine-D5	6.046	103734	155762	0.6660	111.1333
Dextrophan	Dextrophan-D3	6.504	207700	142285	1.4597	106.6711
Tramadol	Tramadol-13C-D3	6.580	1679203	725376	2.3149	106.2366
7-aminoclonazepam	7-Aminoclonazepam-D4	6.575	316150	126969	2.4900	103.6173
Doxylamine	Doxylamine-D5	6.883	1752204	656888	2.6674	114.4832
Bupropion	Bupropion-D9	7.132	203786	101752	2.0028	99.1813
Zolpidem	Zolpidem-D6	7.183	1632575	776695	2.1020	94.4728
Meprobamate	Meprobamate-D7	7.213	167245	79900	2.0932	95.0786
Venlafaxine	Venlafaxine-D6	7.286	1330755	584795	2.2756	108.9478
Trazodone	Trazodone-D6	7.336	725184	301083	2.4086	112.8229
Citalopram	Citalopram-D6	7.378	447188	208029	2.1496	92.3431
Dextromethorphan	Dextromethorphan-D3	7.388	113579	47274	2.4025	107.0698
Diphenhydramine	Diphenhydramine-D3	7.412	877971	348148	2.5218	117.2069
Promethazine	Promethazine-D3	7.546	548264	261779	2.0944	105.1390

**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	7.583	139013	17477	7.9539	113.2318
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.640	61483	25653	2.3967	97.0442
Carisoprodol	Carisoprodol-D7	7.652	782755	376730	2.0778	102.9302
Lorazepam	Alprazolam-D5	7.683	50830	248465	0.2046	94.0628
Alprazolam	Alprazolam-D5	7.706	637647	248465	2.5663	101.7174



# ISP FORENSICS - Cd'A Instrument # 62340

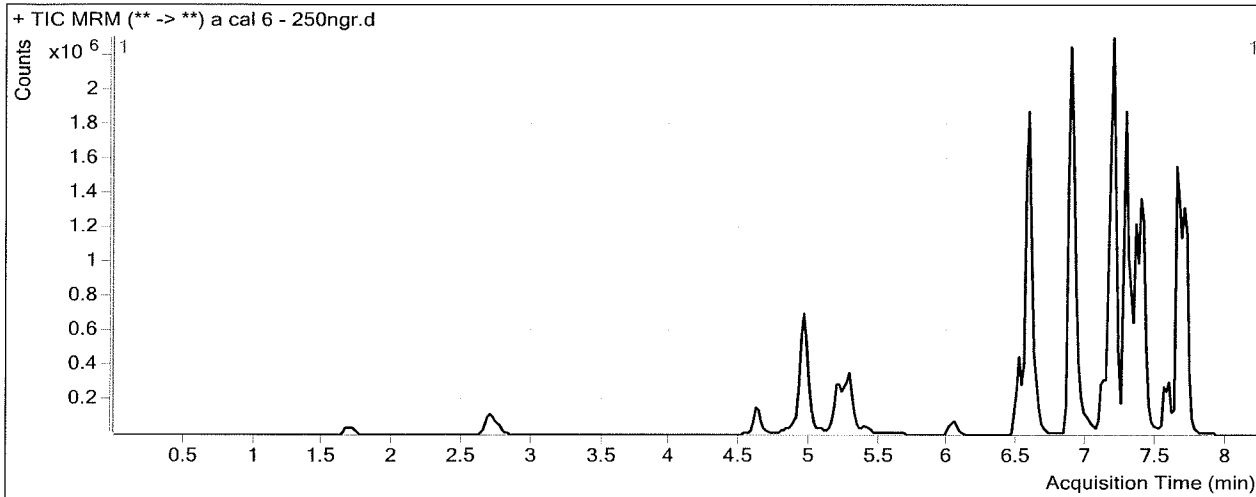
## Multi-Drug Confirmatory Analysis Report

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**Analysis Time** 2/15/2017 4:18 PM **Analyst Name** ISP Tox  
**Report Time** 2/15/2017 4:27 PM **Reporter Name** ISP Tox  
**Last Calib Update** 2/15/2017 4:17 PM **Batch State** Processed

### Analysis Info

**Acq Time** 2017-02-13 23:41 **Data File** a cal 6 - 250ngr.d  
**Sample Type** Calibration **Sample Name** a cal 6 - 250ng  
**Dilution** 1 **Acq Method** Quant Panel 1a 2-13-17.m  
**Position** P1-F1 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28 Panel 1 Confirmation

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.688	82535	6666	12.3812	266.1012
Hydromorphone	Hydromorphone-D6	2.708	421405	43100	9.7774	268.8342
Codeine	Codeine-D6	4.613	199220	26414	7.5422	267.5469
Oxycodone	Oxycodone-D6	4.951	1057243	158689	6.6623	266.5363
Amphetamine	Amphetamine-D11	4.964	1104470	51903	21.2795	255.4357
Hydrocodone	Hydrocodone-D6	5.215	682041	133526	5.1079	283.2119
Norhydrocodone	Norhydrocodone-D3	5.277	60520	49298	1.2276	238.5874
Methamphetamine	Methamphetamine-D11	5.281	722445	98019	7.3705	260.9698
6-MAM	6-MAM-D6	5.409	24999	41952	0.5959	24.6735
Phentermine	Phentermine-D5	6.046	226537	142375	1.5911	267.8199
Dextrophan	Dextrophan-D3	6.504	509085	136267	3.7359	273.0457
Tramadol	Tramadol-13C-D3	6.580	4413900	776015	5.6879	262.2851
7-aminoclonazepam	7-Aminoclonazepam-D4	6.575	705902	110245	6.4030	266.6015
Doxylamine	Doxylamine-D5	6.883	4843780	770877	6.2835	269.8101
Bupropion	Bupropion-D9	7.132	558823	102388	5.4579	270.5190
Zolpidem	Zolpidem-D6	7.183	3905128	676302	5.7742	258.0006
Meprobamate	Meprobamate-D7	7.193	479597	85786	5.5906	252.0760
Venlafaxine	Venlafaxine-D6	7.286	3503953	609416	5.7497	276.9823
Trazodone	Trazodone-D6	7.336	1658788	270487	6.1326	290.4608
Citalopram	Citalopram-D6	7.378	860341	143996	5.9748	255.5687
Dextromethorphan	Dextromethorphan-D3	7.388	155893	24434	6.3801	284.9929
Diphenhydramine	Diphenhydramine-D3	7.412	1477725	235594	6.2723	292.3746
Promethazine	Promethazine-D3	7.546	466432	83656	5.5756	279.7198



**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	7.583	321368	18416	17.4500	251.5487
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.640	147538	25613	5.7604	235.1880
Carisoprodol	Carisoprodol-D7	7.652	1735399	323966	5.3567	265.0239
Lorazepam	Alprazolam-D5	7.683	123857	214041	0.5787	261.2925
Alprazolam	Alprazolam-D5	7.706	1411015	214041	6.5923	261.0633

*BW*

# ISP FORENSICS - Cd'A Instrument # 62340

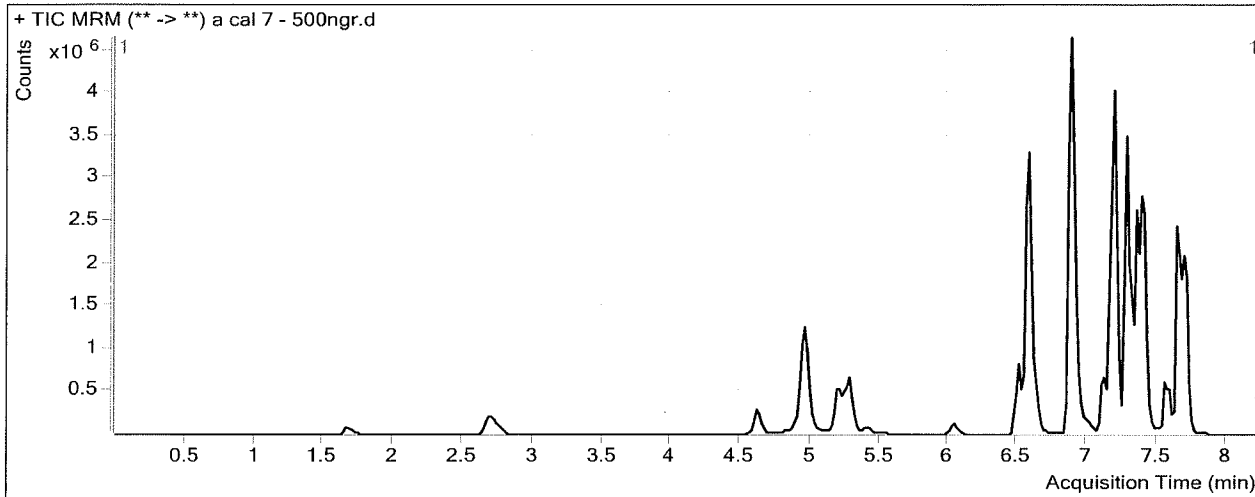
## Multi-Drug Confirmatory Analysis Report

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<b>Report Time</b>	2/15/2017 4:27 PM	<b>Reporter Name</b>	ISP Tox
<b>Last Calib Update</b>	2/15/2017 4:17 PM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2017-02-13 23:54	<b>Data File</b>	a cal 7 - 500ngr.d
<b>Sample Type</b>	Calibration	<b>Sample Name</b>	a cal 7 - 500ng
<b>Dilution</b>	1	<b>Acq Method</b>	Quant Panel 1a 2-13-17.m
<b>Position</b>	P1-G1	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	AM 28 Panel 1 Confirmation

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.668	151446	6379	23.7414	510.7557
Hydromorphone	Hydromorphone-D6	2.708	781035	42478	18.3870	505.2673
Codeine	Codeine-D6	4.613	345139	25052	13.7767	488.1537
Oxycodone	Oxycodone-D6	4.951	2086053	157062	13.2817	530.4235
Amphetamine	Amphetamine-D11	4.964	2062595	52463	39.3154	480.7696
Hydrocodone	Hydrocodone-D6	5.215	1296999	137762	9.4148	522.8836
Norhydrocodone	Norhydrocodone-D3	5.277	115615	45170	2.5595	494.1419
Methamphetamine	Methamphetamine-D11	5.281	1521317	99641	15.2680	544.6534
6-MAM	6-MAM-D6	5.409	51627	41163	1.2542	51.9186
Phentermine	Phentermine-D5	6.046	434375	142996	3.0377	512.8149
Dextroprphan	Dextroprphan-D3	6.504	970523	139675	6.9484	507.8579
Tramadol	Tramadol-13C-D3	6.580	8556365	793402	10.7844	498.0725
7-aminoclonazepam	7-Aminoclonazepam-D4	6.575	1242798	103515	12.0060	499.9720
Doxylamine	Doxylamine-D5	6.883	10180701	843664	12.0672	518.2521
Bupropion	Bupropion-D9	7.132	1282904	122422	10.4794	519.5316
Zolpidem	Zolpidem-D6	7.183	7595246	681247	11.1490	497.3413
Meprobamate	Meprobamate-D7	7.213	843836	77325	10.9128	490.9806
Venlafaxine	Venlafaxine-D6	7.286	6190482	640955	9.6582	466.0293
Trazodone	Trazodone-D6	7.336	3408864	314695	10.8323	514.6383
Citalopram	Citalopram-D6	7.378	1800972	141648	12.7144	543.1633
Dextromethorphan	Dextromethorphan-D3	7.388	377222	34789	10.8433	484.6401
Diphenhydramine	Diphenhydramine-D3	7.412	3545935	334091	10.6137	495.1359
Promethazine	Promethazine-D3	7.546	1100334	108860	10.1078	507.0042

**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	7.583	570656	15100	37.7927	547.8523
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.620	181375	24381	7.4393	304.1393
Carisoprodol	Carisoprodol-D7	7.652	2872282	273287	10.5101	519.7779
Lorazepam	Alprazolam-D5	7.683	229497	182929	1.2546	563.4446
Alprazolam	Alprazolam-D5	7.706	2338827	182929	12.7854	506.1874



# ISP FORENSICS - Cd'A Instrument # 62340

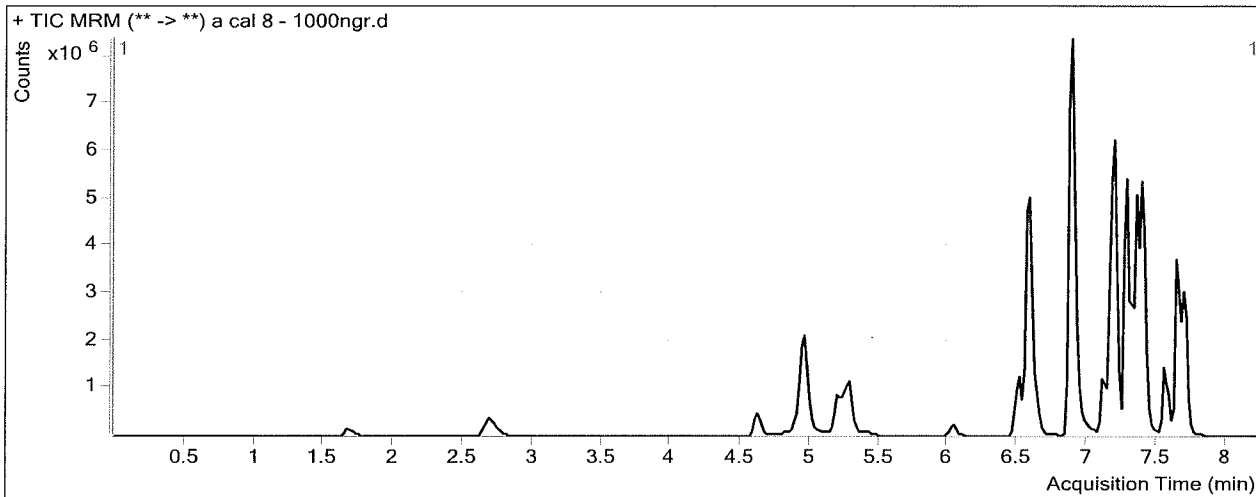
## Multi-Drug Confirmatory Analysis Report

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<b>Report Time</b>	2/15/2017 4:27 PM	<b>Reporter Name</b>	ISP Tox
<b>Last Calib Update</b>	2/15/2017 4:17 PM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2017-02-14 00:06	<b>Data File</b>	a cal 8 - 1000ngr.d
<b>Sample Type</b>	Calibration	<b>Sample Name</b>	a cal 8 - 1000ng
<b>Dilution</b>	1	<b>Acq Method</b>	Quant Panel 1a 2-13-17.m
<b>Position</b>	P1-H1	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	AM 28 Panel 1 Confirmation

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.668	265547	5878	45.1731	972.3125
Hydromorphone	Hydromorphone-D6	2.688	1400424	39445	35.5032	975.3088
Codeine	Codeine-D6	4.613	570891	22465	25.4121	899.8726
Oxycodone	Oxycodone-D6	4.951	3687808	152056	24.2530	967.8094
Amphetamine	Amphetamine-D11	4.944	3344814	51999	64.3249	793.2274
Hydrocodone	Hydrocodone-D6	5.195	2133801	127543	16.7301	929.9704
Norhydrocodone	Norhydrocodone-D3	5.277	196794	36593	5.3778	1034.8926
Methamphetamine	Methamphetamine-D11	5.281	2576984	99759	25.8320	924.1231
6-MAM	6-MAM-D6	5.409	85276	35743	2.3858	98.7493
Phentermine	Phentermine-D5	6.046	784993	139081	5.6441	954.2565
Dextroprphan	Dextroprphan-D3	6.504	1555589	118350	13.1440	960.7096
Tramadol	Tramadol-13C-D3	6.580	14556819	685336	21.2404	981.8154
7-aminoclonazepam	7-Aminoclonazepam-D4	6.575	2006210	85402	23.4913	978.3512
Doxylamine	Doxylamine-D5	6.883	18603477	840349	22.1378	950.8324
Bupropion	Bupropion-D9	7.112	2275312	117294	19.3984	961.8200
Zolpidem	Zolpidem-D6	7.183	12797923	689583	18.5589	827.3055
Meprobamate	Meprobamate-D7	7.193	1399517	62083	22.5428	1013.0387
Venlafaxine	Venlafaxine-D6	7.286	12121261	586973	20.6505	997.7008
Trazodone	Trazodone-D6	7.336	6397664	328602	19.4693	926.6305
Citalopram	Citalopram-D6	7.378	3375759	150083	22.4926	960.4167
Dextromethorphan	Dextromethorphan-D3	7.388	688106	31456	21.8753	978.1260
Diphenhydramine	Diphenhydramine-D3	7.412	6711862	331320	20.2580	945.5726
Promethazine	Promethazine-D3	7.546	2581897	134573	19.1859	962.2608

**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	7.583	953227	14882	64.0540	930.3621
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.640	516430	20827	24.7966	1017.0009
Carisoprodol	Carisoprodol-D7	7.652	4184231	215574	19.4097	959.7226
Lorazepam	Alprazolam-D5	7.683	370043	138157	2.6784	1199.9593
Alprazolam	Alprazolam-D5	7.686	3422541	138157	24.7729	980.6502



# ISP FORENSICS - Cd'A Instrument # 62340

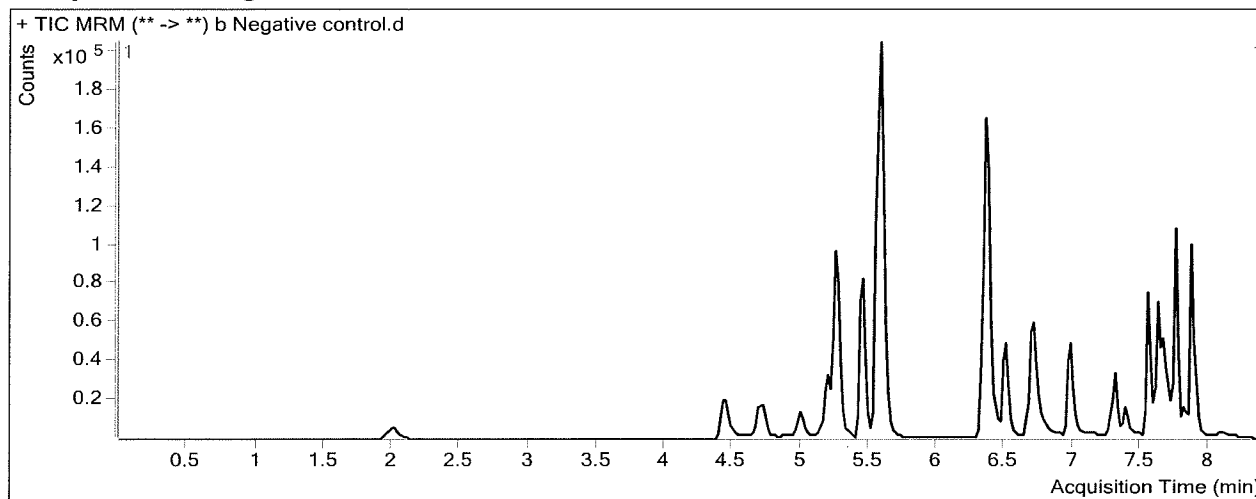
## Multi-Drug Confirmatory Analysis Report

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**Analysis Time** 2/15/2017 12:18 PM **Analyst Name** ISP Tox  
**Report Time** 2/15/2017 12:22 PM **Reporter Name** ISP Tox  
**Last Calib Update** 2/15/2017 12:18 PM **Batch State** Processed

### Analysis Info

**Acq Time** 2017-02-13 20:09 **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-E9 **Sample Info**  
**Inj Vol** -1 **Comment** lot 321632-1; AM 28 Panel 1 Confirmation

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Naltrexol	Naltrexol-D3	5.189	2757	271681	0.0101	0.1333
Norfentanyl	Norfentanyl-D5	6.464	68	417799	0.0002	0.1802
Fluoxetine	Fluoxetine-D6	7.685	1050	62957	0.0167	0.2097
Temazepam	Temazepam-D5	7.768	635	181129	0.0035	0.2946
Nordiazepam	Nordiazepam-D5	7.856	224	29786	0.0075	0.0000

*BW*

# ISP FORENSICS - Cd'A Instrument # 62340

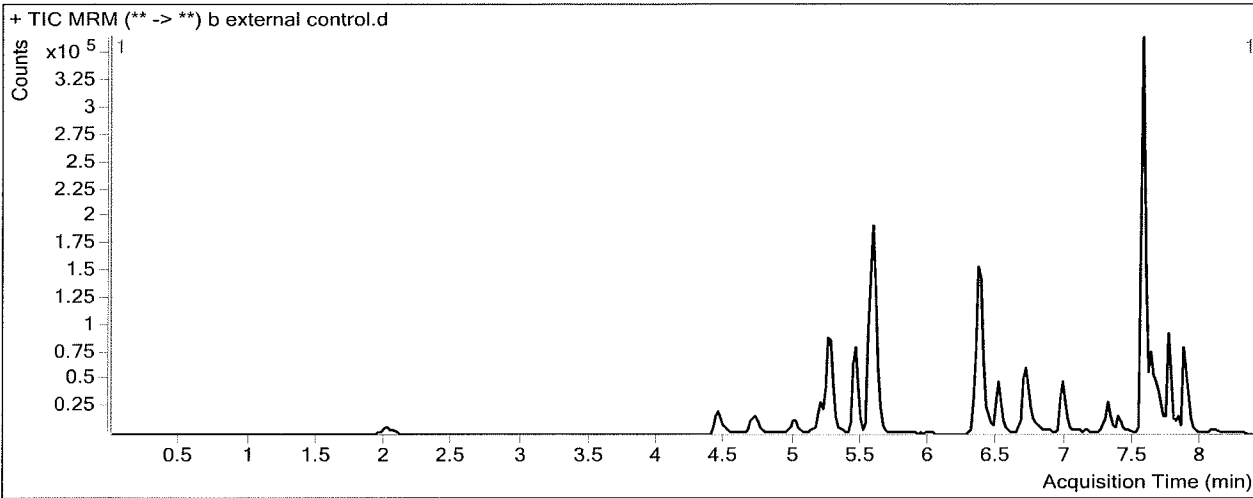
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1b mdq.batch.bin  
**Analysis Time** 2/15/2017 12:18 PM **Analyst Name** ISP Tox  
**Report Time** 2/15/2017 12:22 PM **Reporter Name** ISP Tox  
**Last Calib Update** 2/15/2017 12:18 PM **Batch State** Processed

### Analysis Info

**Acq Time** 2017-02-13 20:35 **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-D9 **Sample Info**  
**Inj Vol** -1 **Comment** negative lot 321632-1; AM 28 Panel 1 Confirmation

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Norfentanyl	Norfentanyl-D5	6.404	56	405321	0.0001	0.1792
Quetiapine	Quetiapine-D8	7.560	483639	110625	4.3719	<u>55.3703</u>
Fluoxetine	Fluoxetine-D6	7.685	762	60064	0.0127	0.0357
Temazepam	Temazepam-D5	7.768	829	169280	0.0049	0.3600
Nordiazepam	Nordiazepam-D5	7.836	100	27325	0.0037	0.0000

# ISP FORENSICS - Cd'A Instrument # 62340

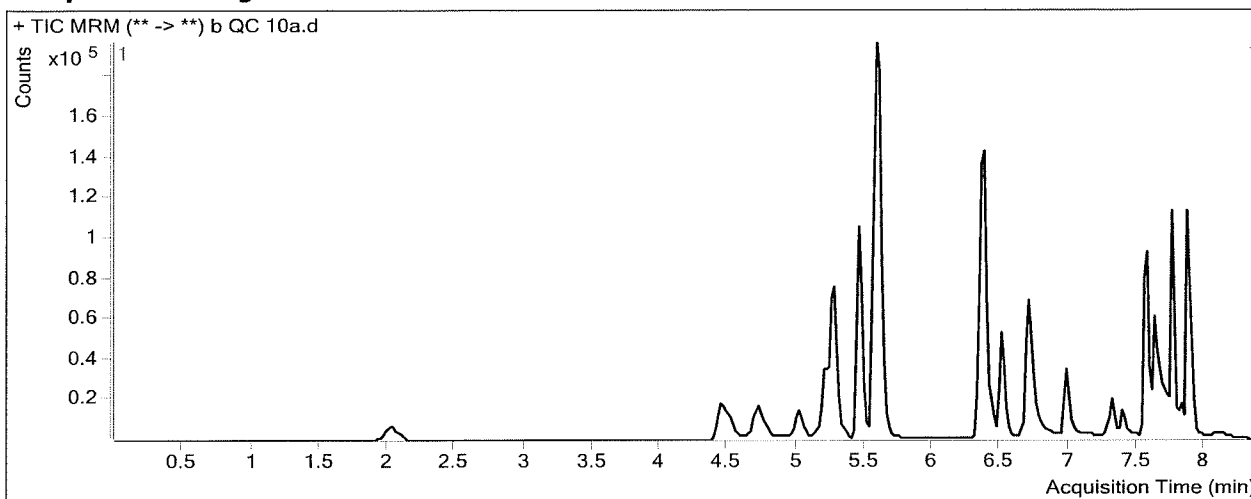
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1b mdq.batch.bin		
<b>Analysis Time</b>	2/15/2017 12:18 PM	<b>Analyst Name</b>	ISP Tox
<b>Report Time</b>	2/15/2017 12:22 PM	<b>Reporter Name</b>	ISP Tox
<b>Last Calib Update</b>	2/15/2017 12:18 PM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2017-02-13 20:47	<b>Data File</b>	b QC 10a.d
<b>Sample Type</b>	QC	<b>Sample Name</b>	a QC 10
<b>Dilution</b>	1	<b>Acq Method</b>	Quant Panel 1b 11-18-2016.m
<b>Position</b>	P1-A2	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	AM 28 Panel 1 Confirmation

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	2.049	8870	32781	0.2706	11.7700
Dihydrocodeine	Dihydrocodeine-D6	4.516	18839	75550	0.2494	11.3717
Naloxone	Naloxone-D5	4.773	14763	66795	0.2210	14.1218
Noroxycodone	Noroxycodone-D3	5.037	12428	45786	0.2714	11.6579
Naltrexone	Naltrexone-D3	5.212	22774	90501	0.2516	11.4030
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.324	6701	273934	0.0245	1.1068
Naltrexol	Naltrexol-D3	5.451	72619	228114	0.3183	11.6487
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.598	152055	535100	0.2842	11.3501
Ketamine	Ketamine-D4	6.361	55528	189405	0.2932	11.0248
Norfentanyl	Norfentanyl-D5	6.404	7966	309489	0.0257	1.2305
alpha-PVP	alpha-PVP-d8	6.709	61750	211968	0.2913	11.8251
Acetyl Fentanyl	Acetyl Fentanyl-D5	7.001	1859	97886	0.0190	0.9943
Norbuprenorphine	Norbuprenorphine-D3	7.275	18	2330	0.0077	0.0000
Fentanyl	Fentanyl-D5	7.299	1322	47161	0.0280	1.1719
EDDP	EDDP-D3	7.390	6457	28647	0.2254	10.4517
Sufentanil	Sufentanil-D5	7.539	514	26014	0.0198	0.9001
Quetiapine	Quetiapine-D8	7.560	93755	91242	1.0275	12.7352
Cyclobenzaprine	Cyclobenzaprine-D3	7.613	4682	16142	0.2901	12.6224
Methadone	Methadone-D9	7.623	17922	89357	0.2006	10.2786
Fluoxetine	Fluoxetine-D6	7.685	8173	33144	0.2466	10.2167
Buprenorphine	Buprenorphine-D4	7.696	584	17296	0.0338	1.3802
Oxazepam	Oxazepam-D5	7.710	6710	21753	0.3085	12.6541
Sertraline	Sertraline-D3	7.746	2694	8073	0.3337	14.3707

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**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>
Temazepam	Temazepam-D5	7.748	42701	157934	0.2704	12.8516
Nordiazepam	Nordiazepam-D5	7.856	6094	24576	0.2480	5.8716
Diazepam	Diazepam-D5	7.891	53372	166270	0.3210	13.9169



# ISP FORENSICS - Cd'A Instrument # 62340

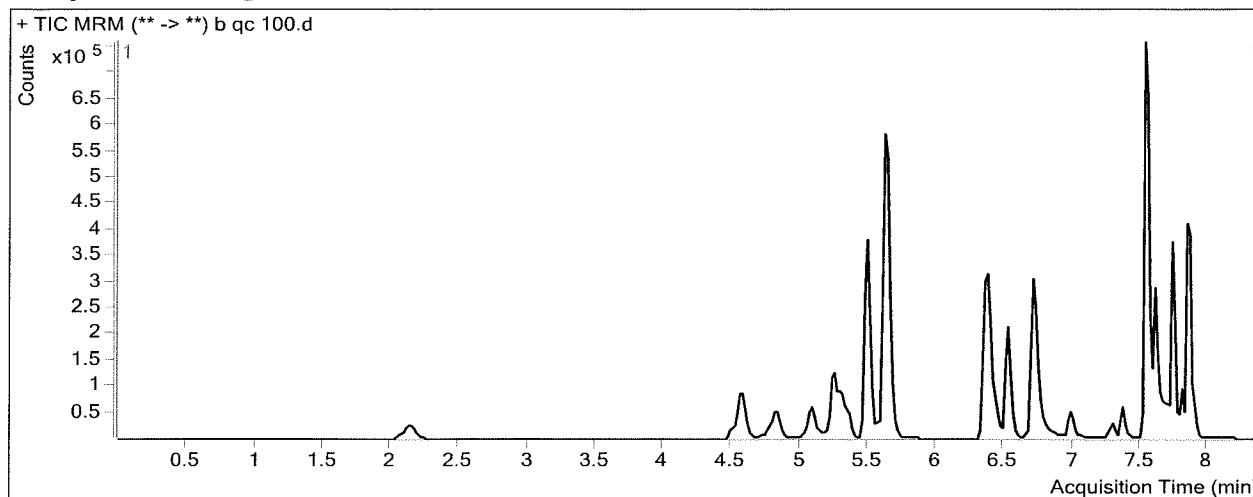
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1b mdq.batch.bin		
<b>Analysis Time</b>	2/15/2017 12:18 PM	<b>Analyst Name</b>	ISP Tox
<b>Report Time</b>	2/15/2017 12:22 PM	<b>Reporter Name</b>	ISP Tox
<b>Last Calib Update</b>	2/15/2017 12:18 PM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2017-02-14 05:22	<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>	AM 28 Panel 1 Confirmation

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	2.149	99271	34947	2.8406	119.0295
Dihydrocodeine	Dihydrocodeine-D6	4.575	201987	81280	2.4851	115.0004
Naloxone	Naloxone-D5	4.833	173542	69859	2.4842	143.3918
Noroxycodone	Noroxycodone-D3	5.096	143987	50975	2.8247	119.1033
Naltrexone	Naltrexone-D3	5.252	218158	88283	2.4711	116.9066
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.364	74074	267617	0.2768	11.5332
Naltrexol	Naltrexol-D3	5.491	749033	233841	3.2032	119.4366
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.618	1453001	553648	2.6244	113.0619
Ketamine	Ketamine-D4	6.361	573148	198656	2.8851	119.0149
Norfentanyl	Norfentanyl-D5	6.404	92665	354054	0.2617	10.9215
alpha-PVP	alpha-PVP-d8	6.709	711283	248542	2.8618	114.0389
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.981	26728	117497	0.2275	11.8813
Norbuprenorphine	Norbuprenorphine-D3	7.255	673	2452	0.2745	12.5673
Fentanyl	Fentanyl-D5	7.279	13542	51091	0.2651	11.4203
EDDP	EDDP-D3	7.370	102803	37179	2.7651	118.6855
Sufentanil	Sufentanil-D5	7.518	8518	28752	0.2962	12.6587
Quetiapine	Quetiapine-D8	7.519	1258936	134606	9.3527	118.8690
Cyclobenzaprine	Cyclobenzaprine-D3	7.593	49621	19722	2.5160	108.9608
Methadone	Methadone-D9	7.603	231343	107525	2.1515	115.2934
Fluoxetine	Fluoxetine-D6	7.644	70407	27335	2.5757	111.5924
Buprenorphine	Buprenorphine-D4	7.636	3207	16429	0.1952	7.6670
Oxazepam	Oxazepam-D5	7.689	61292	22845	2.6829	112.2384
Sertraline	Sertraline-D3	7.726	21848	8331	2.6225	111.0141

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**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>
Temazepam	Temazepam-D5	7.728	441204	176998	2.4927	117.4199
Nordiazepam	Nordiazepam-D5	7.815	103252	24127	4.2795	116.3395
Diazepam	Diazepam-D5	7.871	546073	175118	3.1183	117.2788



# ISP FORENSICS - Cd'A Instrument # 62340

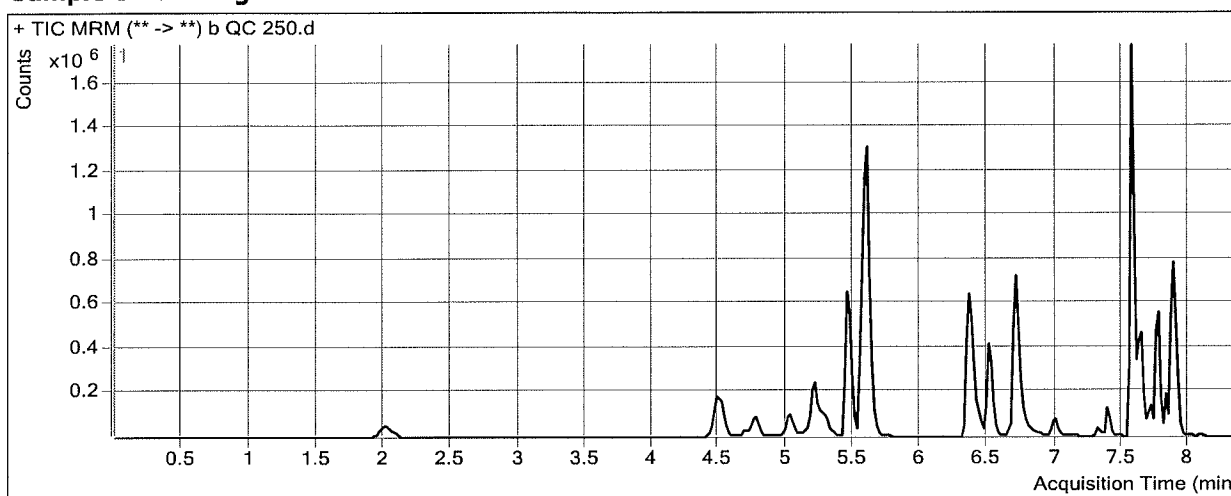
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1b mdq.batch.bin  
**Analysis Time** 2/16/2017 11:16 AM **Analyst Name** ISP Tox  
**Report Time** 2/16/2017 11:18 AM **Reporter Name** ISP Tox  
**Last Calib Update** 2/16/2017 11:15 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2017-02-14 08:32 **Data File** b QC 250.d  
**Sample Type** QC **Sample Name** b QC 250  
**Dilution** 1 **Acq Method** Quant Panel 1b 11-18-2016.m  
**Position** P1-C2 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28 Panel 1 Confirmation

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	2.029	205055	32345	6.3397	265.0580
Dihydrocodeine	Dihydrocodeine-D6	4.496	469931	84755	5.5446	256.8138
Naloxone	Naloxone-D5	4.773	302588	67947	4.4533	255.8661
Noroxycodone	Noroxycodone-D3	5.037	276703	44525	6.2145	261.7561
Naltrexone	Naltrexone-D3	5.212	453599	78162	5.8033	275.3043
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.324	183134	298580	0.6134	25.4403
Naltrexol	Naltrexol-D3	5.451	1473163	215012	6.8516	255.7534
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.598	3804974	633185	6.0093	260.1739
Ketamine	Ketamine-D4	6.361	1401667	221352	6.3323	262.6357
Norfentanyl	Norfentanyl-D5	6.404	225546	385472	0.5851	24.2019
alpha-PVP	alpha-PVP-d8	6.709	1852695	276726	6.6951	266.4646
Acetyl Fentanyl	Acetyl Fentanyl-D5	7.001	65894	142926	0.4610	24.0773
Norbuprenorphine	Norbuprenorphine-D3	7.275	1305	2506	0.5208	25.3881
Fentanyl	Fentanyl-D5	7.319	29518	51516	0.5730	24.7237
EDDP	EDDP-D3	7.390	241586	39989	6.0413	258.3095
Sufentanil	Sufentanil-D5	7.559	14058	27826	0.5052	21.5464
Quetiapine	Quetiapine-D8	7.560	2599181	131271	19.8000	252.0563
Cyclobenzaprine	Cyclobenzaprine-D3	7.613	87589	14694	5.9610	258.0553
Methadone	Methadone-D9	7.643	534308	107260	4.9814	267.6177
Fluoxetine	Fluoxetine-D6	7.705	63612	20560	3.0940	134.1506
Buprenorphine	Buprenorphine-D4	7.696	9564	16253	0.5885	22.9775
Oxazepam	Oxazepam-D5	7.710	133028	21683	6.1353	257.0290
Sertraline	Sertraline-D3	7.746	26419	5066	5.2150	220.4844

**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>
Temazepam	Temazepam-D5	7.768	935836	162627	5.7545	270.8970
Nordiazepam	Nordiazepam-D5	7.836	218531	23573	9.2706	253.0982
Diazepam	Diazepam-D5	7.891	1088976	154415	7.0523	262.6396



# ISP FORENSICS - Cd'A Instrument # 62340

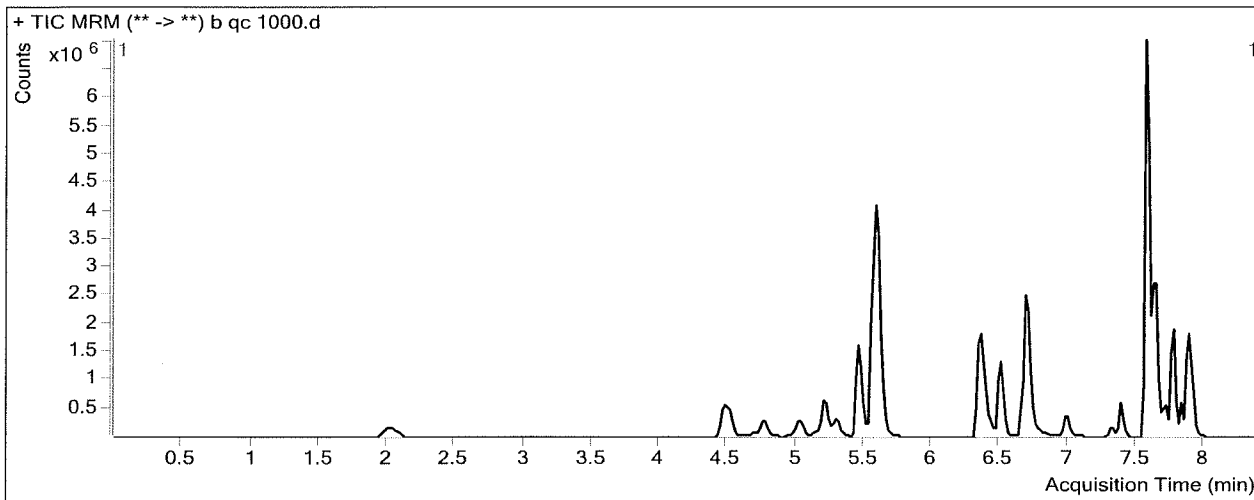
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1b mdq.batch.bin  
**Analysis Time** 2/15/2017 12:18 PM **Analyst Name** ISP Tox  
**Report Time** 2/15/2017 12:22 PM **Reporter Name** ISP Tox  
**Last Calib Update** 2/15/2017 12:18 PM **Batch State** Processed

### Analysis Info

**Acq Time** 2017-02-14 12:46 **Data File** b qc 1000.d  
**Sample Type** QC **Sample Name** b qc 1000  
**Dilution** 1 **Acq Method** Quant Panel 1b 11-18-2016.m  
**Position** P1-D2 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28 Panel 1 Confirmation

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	2.029	761797	31506	24.1796	1009.5952
Dihydrocodeine	Dihydrocodeine-D6	4.496	1570355	82194	19.1054	885.3796
Naloxone	Naloxone-D5	4.773	985806	65162	15.1285	865.6255
Noroxycodone	Noroxycodone-D3	5.037	927194	40759	22.7480	957.5244
Naltrexone	Naltrexone-D3	5.192	1265424	60685	20.8523	990.6579
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.304	765309	310112	2.4678	102.0701
Naltrexol	Naltrexol-D3	5.451	4154531	170928	24.3058	907.9065
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.579	13628958	594205	22.9364	995.8616
Ketamine	Ketamine-D4	6.361	4773593	199331	23.9481	996.5723
Norfentanyl	Norfentanyl-D5	6.404	960469	381730	2.5161	103.4996
alpha-PVP	alpha-PVP-d8	6.688	6993222	293233	23.8487	948.5665
Acetyl Fentanyl	Acetyl Fentanyl-D5	7.001	563109	299228	1.8819	98.2701
Norbuprenorphine	Norbuprenorphine-D3	7.275	7469	3307	2.2585	115.8390
Fentanyl	Fentanyl-D5	7.319	239254	106785	2.2405	96.8330
EDDP	EDDP-D3	7.390	1029486	45881	22.4383	957.1041
Sufentanil	Sufentanil-D5	7.559	141557	64444	2.1966	93.4761
Quetiapine	Quetiapine-D8	7.560	11423017	166298	68.6900	875.3296
Cyclobenzaprine	Cyclobenzaprine-D3	7.613	812237	34716	23.3967	1012.6523
Methadone	Methadone-D9	7.643	3357981	180959	18.5565	998.3287
Fluoxetine	Fluoxetine-D6	7.665	547196	54700	10.0037	434.8914
Buprenorphine	Buprenorphine-D4	7.716	36313	14219	2.5539	99.4989
Oxazepam	Oxazepam-D5	7.710	474495	20410	23.2477	974.7207
Sertraline	Sertraline-D3	7.746	307333	13398	22.9393	968.8799

*BW*

**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>
Temazepam	Temazepam-D5	7.768	3120949	136825	22.8098	1073.4045
Nordiazepam	Nordiazepam-D5	7.836	673007	19209	35.0358	959.0831
Diazepam	Diazepam-D5	7.891	2942235	111308	26.4332	978.7706

# ISP FORENSICS - Cd'A Instrument # 62340

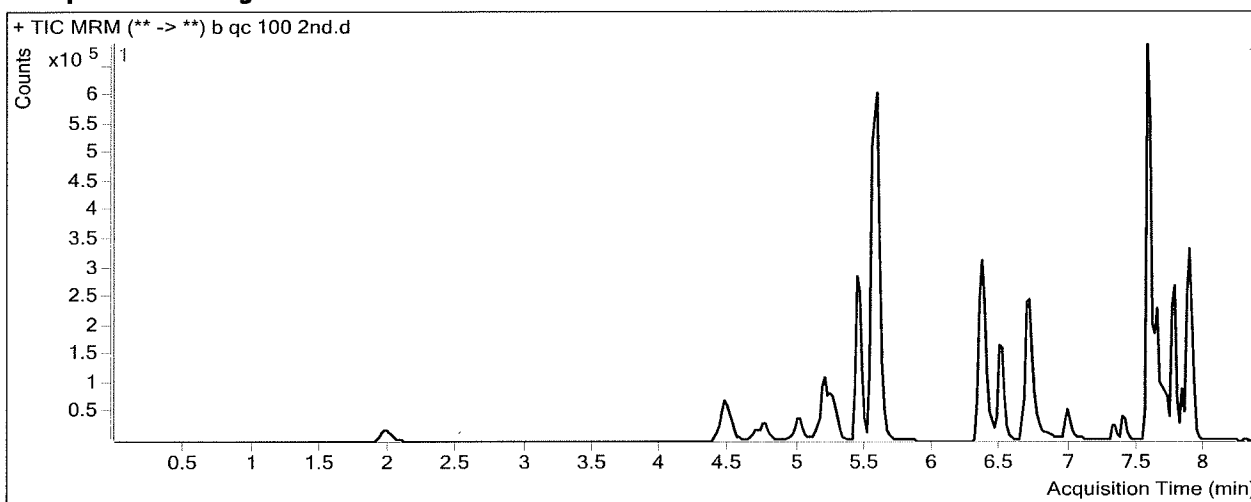
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1b mdq.batch.bin  
**Analysis Time** 2/15/2017 12:18 PM **Analyst Name** ISP Tox  
**Report Time** 2/15/2017 12:22 PM **Reporter Name** ISP Tox  
**Last Calib Update** 2/15/2017 12:18 PM **Batch State** Processed

### Analysis Info

**Acq Time** 2017-02-14 16:08 **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** AM 28 Panel 1 Confirmation

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.989	72821	25768	2.8261	118.4226
Dihydrocodeine	Dihydrocodeine-D6	4.477	160781	66396	2.4215	112.0557
Naloxone	Naloxone-D5	4.753	98595	51988	1.8965	109.8233
Noroxycodone	Noroxycodone-D3	5.017	98998	34881	2.8382	119.6712
Naltrexone	Naltrexone-D3	5.192	161234	64248	2.5095	118.7329
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.304	68579	256062	0.2678	11.1626
Naltrexol	Naltrexol-D3	5.430	579105	182358	3.1756	118.4080
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.579	1412406	520351	2.7143	116.9699
Ketamine	Ketamine-D4	6.361	487893	173115	2.8183	116.2313
Norfentanyl	Norfentanyl-D5	6.384	87911	325251	0.2703	11.2731
alpha-PVP	alpha-PVP-d8	6.709	664903	226460	2.9361	116.9914
Acetyl Fentanyl	Acetyl Fentanyl-D5	7.001	26976	122626	0.2200	11.4899
Norbuprenorphine	Norbuprenorphine-D3	7.255	501	2434	0.2057	8.9886
Fentanyl	Fentanyl-D5	7.319	14115	54902	0.2571	11.0754
EDDP	EDDP-D3	7.390	77292	29518	2.6185	112.4372
Sufentanil	Sufentanil-D5	7.559	7455	26392	0.2825	12.0738
Quetiapine	Quetiapine-D8	7.560	1096791	111313	9.8532	125.2494
Cyclobenzaprine	Cyclobenzaprine-D3	7.613	48978	17794	2.7525	119.1963
Methadone	Methadone-D9	7.643	208947	90139	2.3180	124.2564
Fluoxetine	Fluoxetine-D6	7.685	81950	36673	2.2347	96.7468
Buprenorphine	Buprenorphine-D4	7.716	5548	18796	0.2952	11.5581
Oxazepam	Oxazepam-D5	7.710	51587	18758	2.7501	115.0563
Sertraline	Sertraline-D3	7.746	20058	7768	2.5820	109.3078



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

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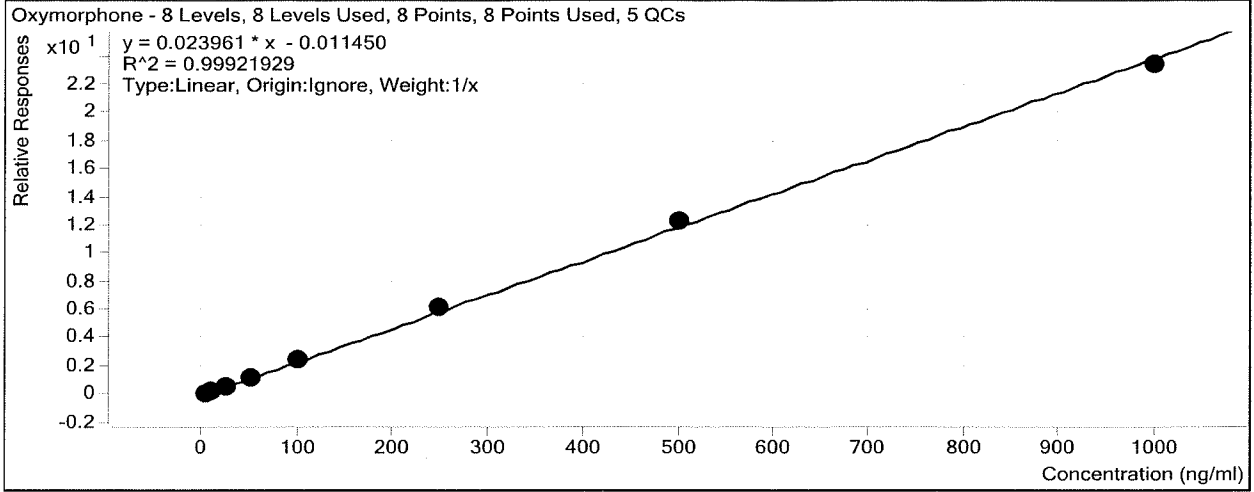
<b>Compound</b>	<b>ISTD Compound</b>	<b>RT</b>	<b>Response</b>	<b>ISTD Resp</b>	<b>Resp Ratio</b>	<b>Final Conc</b>
Temazepam	Temazepam-D5	7.768	382098	148029	2.5812	121.5855
Nordiazepam	Nordiazepam-D5	7.836	98433	22736	4.3294	117.7049
Diazepam	Diazepam-D5	7.891	409543	130463	3.1392	118.0488



# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1b mdq.batch.bin  
**Last Calib Update** 2/15/2017 12:18 PM **Analyst Name** ISP TOX

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



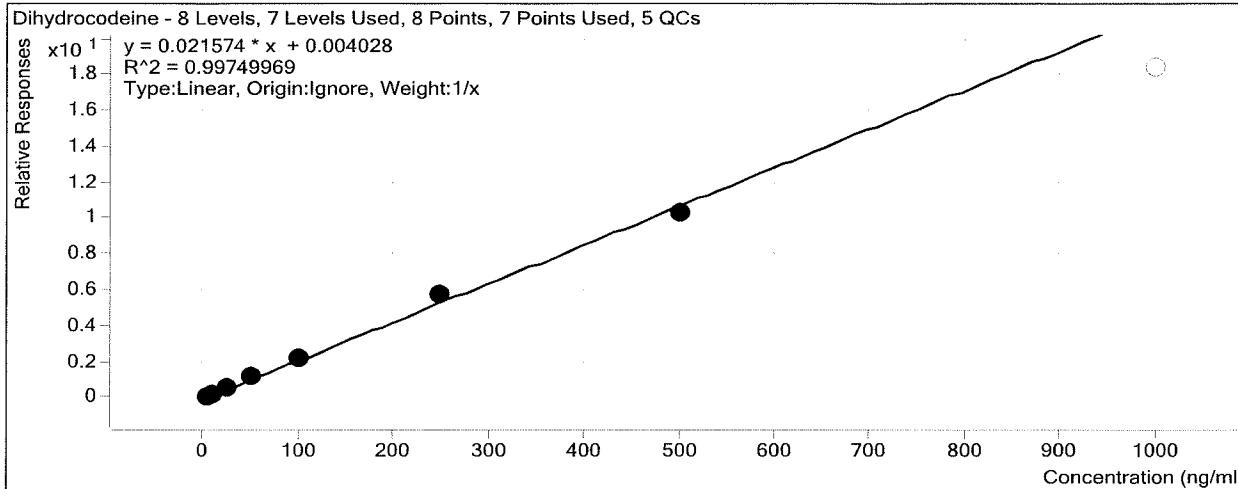
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b cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	9.4	93.9
a QC 10	2	<input checked="" type="checkbox"/>	10	11.8	117.7
b cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	24.5	97.8
b cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	50.2	100.4
b cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	102.0	102.0
b qc 100	5	<input checked="" type="checkbox"/>	100	119.0	119.0
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	118.4	118.4
b cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	260.9	104.4
b QC 250	6	<input checked="" type="checkbox"/>	250	265.1	106.0
b cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	511.5	102.3
b cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	976.5	97.6
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1009.6	101.0

Reportable Range  
5-500ng/ml

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1b mdq.batch.bin  
**Last Calib Update** 2/15/2017 12:18 PM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1 - 5 ng	1	<input checked="" type="checkbox"/>	5	4.7	94.7
b cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	9.1	90.8
a QC 10	2	<input checked="" type="checkbox"/>	10	11.4	113.7
b cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	25.8	103.3
b cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	53.2	106.3
b cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	103.2	103.2
b qc 100	5	<input checked="" type="checkbox"/>	100	115.0	115.0
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	112.1	112.1
b cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	264.1	105.6
b QC 250	6	<input checked="" type="checkbox"/>	250	256.8	102.7
b cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	479.9	96.0
b cal 8 - 1000ng	8	<input type="checkbox"/>	1000	851.4	85.1
b qc 1000	8	<input type="checkbox"/>	1000	885.4	88.5

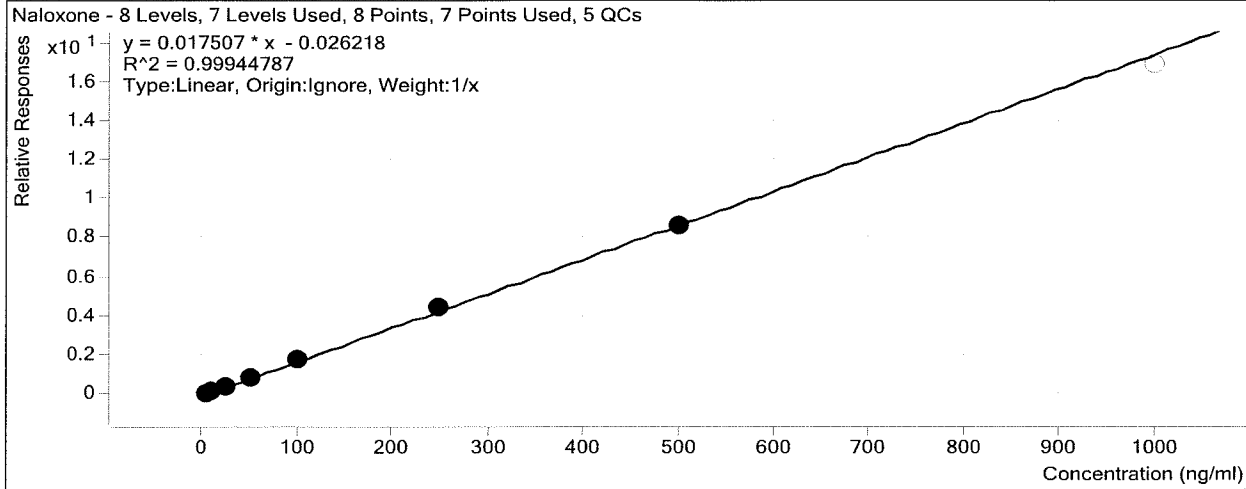
LOD - 5

*BD*

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1b mdq.batch.bin  
**Last Calib Update** 2/15/2017 12:18 PM **Analyst Name** ISP TOX

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



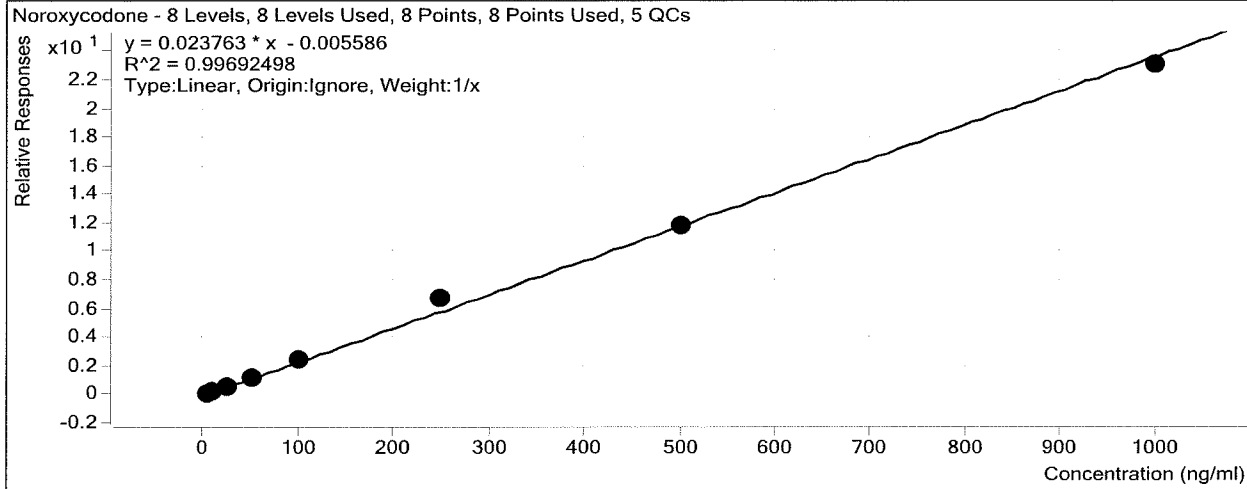
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1 - 5 ng	1	<input checked="" type="checkbox"/>	5	5.7	113.7
b cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	9.5	95.3
a QC 10	2	<input checked="" type="checkbox"/>	10	14.1	141.2
b cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	23.0	92.1
b cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	48.1	96.3
b cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	101.4	101.4
b qc 100	5	<input checked="" type="checkbox"/>	100	143.4	143.4
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	109.8	109.8
b cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	254.4	101.7
b QC 250	6	<input checked="" type="checkbox"/>	250	255.9	102.3
b cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	497.9	99.6
b cal 8 - 1000ng	8	<input type="checkbox"/>	1000	964.0	96.4
b qc 1000	8	<input type="checkbox"/>	1000	865.6	86.6

LOD - 5

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1b mdq.batch.bin  
**Last Calib Update** 2/15/2017 12:18 PM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1 - 5 ng	1	<input checked="" type="checkbox"/>	5	4.9	98.9
b cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	9.2	92.2
a QC 10	2	<input checked="" type="checkbox"/>	10	11.7	116.6
b cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	24.2	96.8
b cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	51.0	102.1
b cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	100.2	100.2
b qc 100	5	<input checked="" type="checkbox"/>	100	119.1	119.1
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	119.7	119.7
b cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	283.3	113.3
b QC 250	6	<input checked="" type="checkbox"/>	250	261.8	104.7
b cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	497.3	99.5
b cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	969.8	97.0
b qc 1000	8	<input checked="" type="checkbox"/>	1000	957.5	95.8

LOD = 5

# ISP Forensics Calibration Curve Report

**Batch Data Path**

D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1b mdq.batch.bin

**Last Calib Update**

2/15/2017 12:18 PM

**Analyst Name**

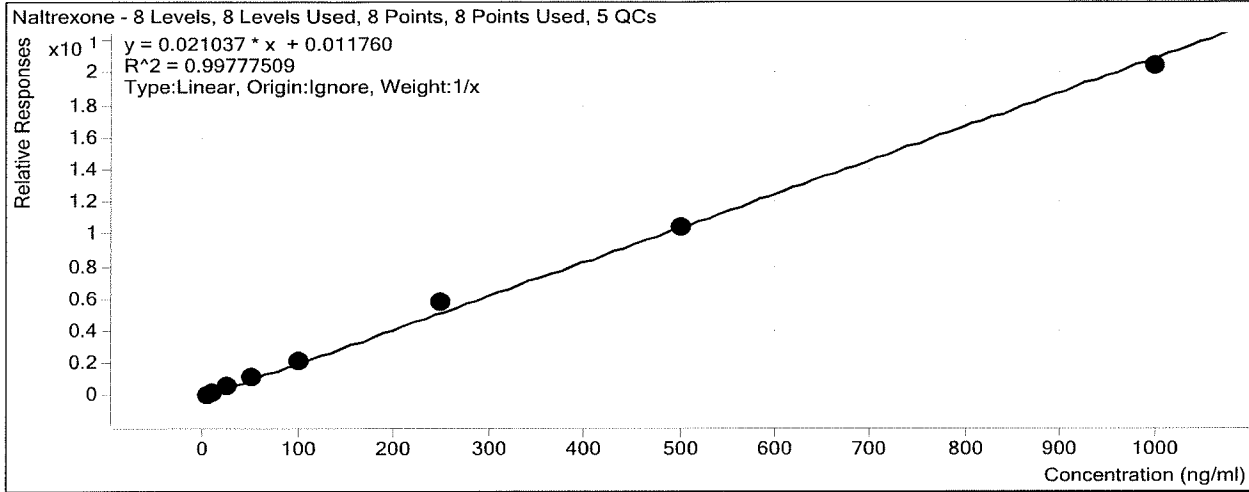
ISP TOX

**Target Compound**

*Naltrexone*

**Internal Standard**

*Naltrexone-D3*



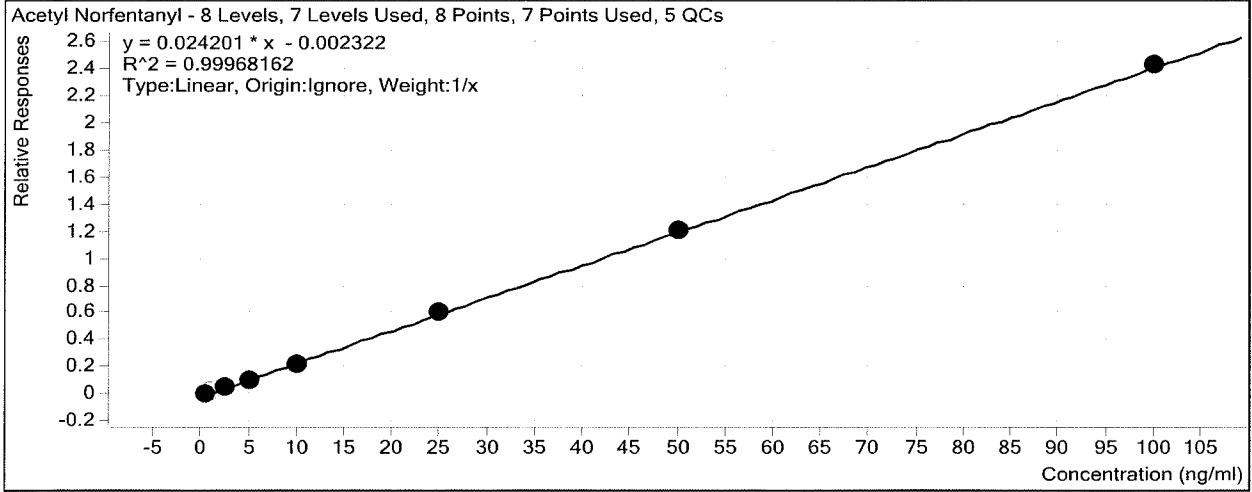
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1 - 5 ng	1	<input checked="" type="checkbox"/>	5	4.4	88.0
b cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	9.1	91.2
a QC 10	2	<input checked="" type="checkbox"/>	10	11.4	114.0
b cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	26.5	106.0
b cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	53.4	106.8
b cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	100.7	100.7
b qc 100	5	<input checked="" type="checkbox"/>	100	116.9	116.9
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	118.7	118.7
b cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	275.5	110.2
b QC 250	6	<input checked="" type="checkbox"/>	250	275.3	110.1
b cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	499.9	100.0
b cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	970.5	97.0
b qc 1000	8	<input checked="" type="checkbox"/>	1000	990.7	99.1

LOD- 5

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1b mdq.batch.bin  
**Last Calib Update** 2/15/2017 12:18 PM **Analyst Name** ISP TOX

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



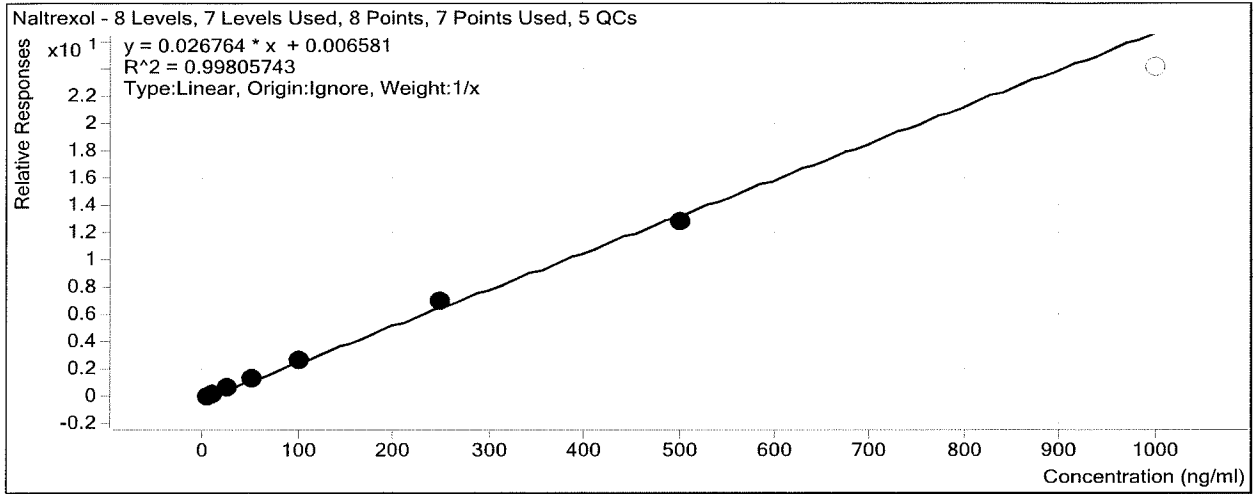
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1 - 5 ng	1	<input checked="" type="checkbox"/>	0.5	0.6	113.7
b cal 2 - 10ng	2	<input type="checkbox"/>	1	0.9	93.3
a QC 10	2	<input type="checkbox"/>	1	1.1	110.7
b cal 3- 25ng	3	<input checked="" type="checkbox"/>	2.5	2.3	93.4
b cal 4 - 50ng	4	<input checked="" type="checkbox"/>	5	4.8	95.5
b cal 5- 100ng	5	<input checked="" type="checkbox"/>	10	9.6	95.5
b qc 100	5	<input checked="" type="checkbox"/>	10	11.5	115.3
b qc 100 2nd	5	<input checked="" type="checkbox"/>	10	11.2	111.6
b cal 6 - 250ng	6	<input checked="" type="checkbox"/>	25	25.3	101.3
b QC 250	6	<input checked="" type="checkbox"/>	25	25.4	101.8
b cal 7 - 500ng	7	<input checked="" type="checkbox"/>	50	50.1	100.1
b cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	100	100.4	100.4
b qc 1000	8	<input checked="" type="checkbox"/>	100	102.1	102.1

LGD - 0.5

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1b mdq.batch.bin  
**Last Calib Update** 2/15/2017 12:18 PM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1 - 5 ng	1	<input checked="" type="checkbox"/>	5	4.7	93.3
b cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	9.4	93.7
a QC 10	2	<input checked="" type="checkbox"/>	10	11.6	116.5
b cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	25.7	102.9
b cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	52.6	105.2
b cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	103.8	103.8
b qc 100	5	<input checked="" type="checkbox"/>	100	119.4	119.4
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	118.4	118.4
b cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	261.9	104.8
b QC 250	6	<input checked="" type="checkbox"/>	250	255.8	102.3
b cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	482.0	96.4
b cal 8 - 1000ng	8	<input type="checkbox"/>	1000	899.4	89.9
b qc 1000	8	<input type="checkbox"/>	1000	907.9	90.8

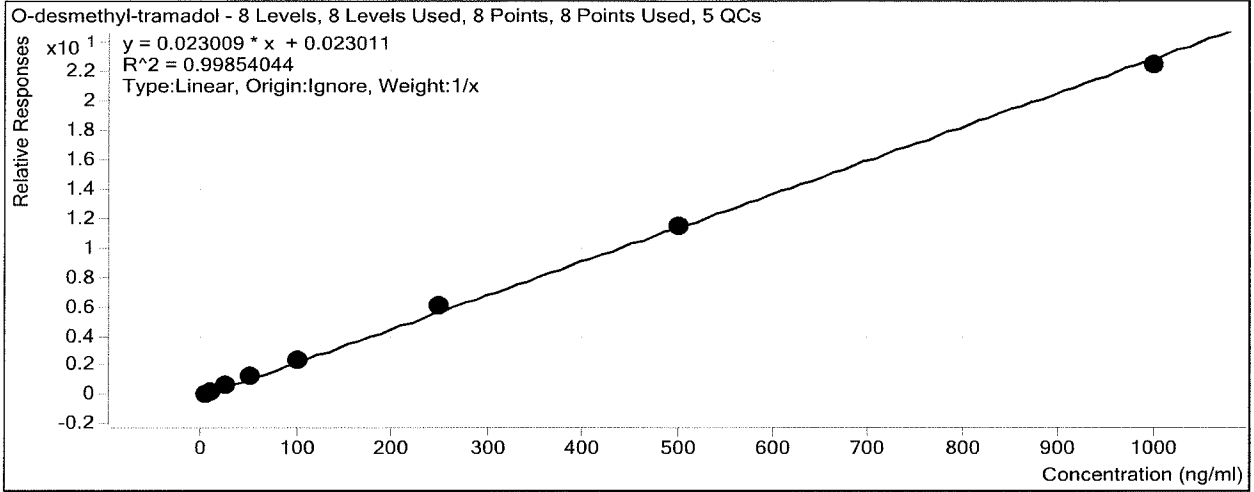
LOD - 5



# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1b mdq.batch.bin  
**Last Calib Update** 2/15/2017 12:18 PM **Analyst Name** ISP TOX

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



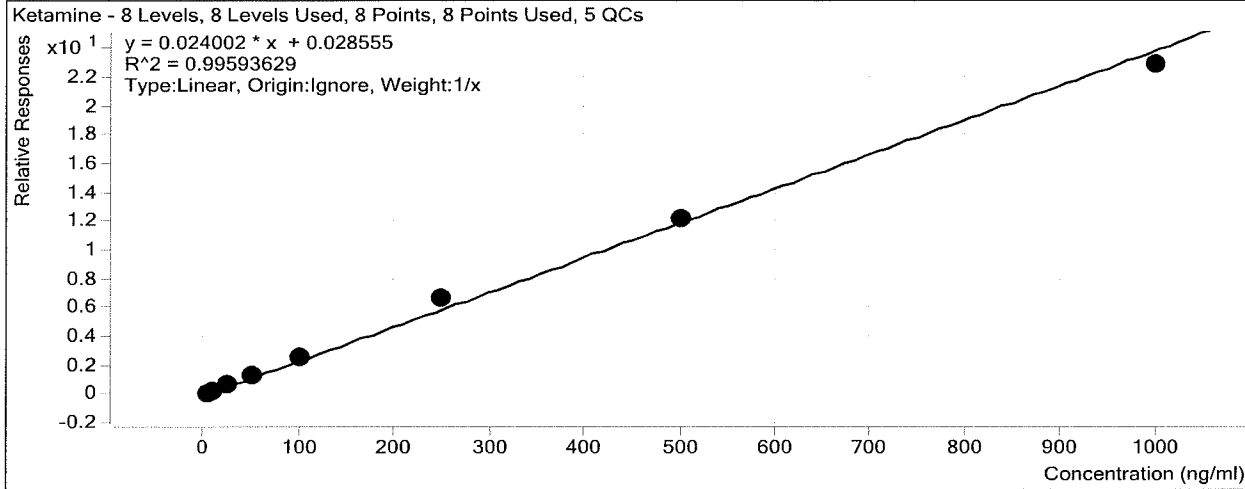
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1 - 5 ng	1	<input checked="" type="checkbox"/>	5	4.3	86.2
b cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	9.1	91.5
a QC 10	2	<input checked="" type="checkbox"/>	10	11.4	113.5
b cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	26.1	104.5
b cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	54.7	109.4
b cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	104.3	104.3
b qc 100	5	<input checked="" type="checkbox"/>	100	113.1	113.1
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	117.0	117.0
b cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	266.5	106.6
b QC 250	6	<input checked="" type="checkbox"/>	250	260.2	104.1
b cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	500.5	100.1
b cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	974.4	97.4
b qc 1000	8	<input checked="" type="checkbox"/>	1000	995.9	99.6

LOD - 5

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1b mdq.batch.bin  
**Last Calib Update** 2/15/2017 12:18 PM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1 - 5 ng	1	<input checked="" type="checkbox"/>	5	4.0	80.4
b cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	9.0	90.3
a QC 10	2	<input checked="" type="checkbox"/>	10	11.0	110.2
b cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	25.8	103.0
b cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	54.5	109.0
b cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	109.3	109.3
b qc 100	5	<input checked="" type="checkbox"/>	100	119.0	119.0
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	116.2	116.2
b cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	278.9	111.6
b QC 250	6	<input checked="" type="checkbox"/>	250	262.6	105.1
b cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	505.7	101.1
b cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	952.8	95.3
b qc 1000	8	<input checked="" type="checkbox"/>	1000	996.6	99.7

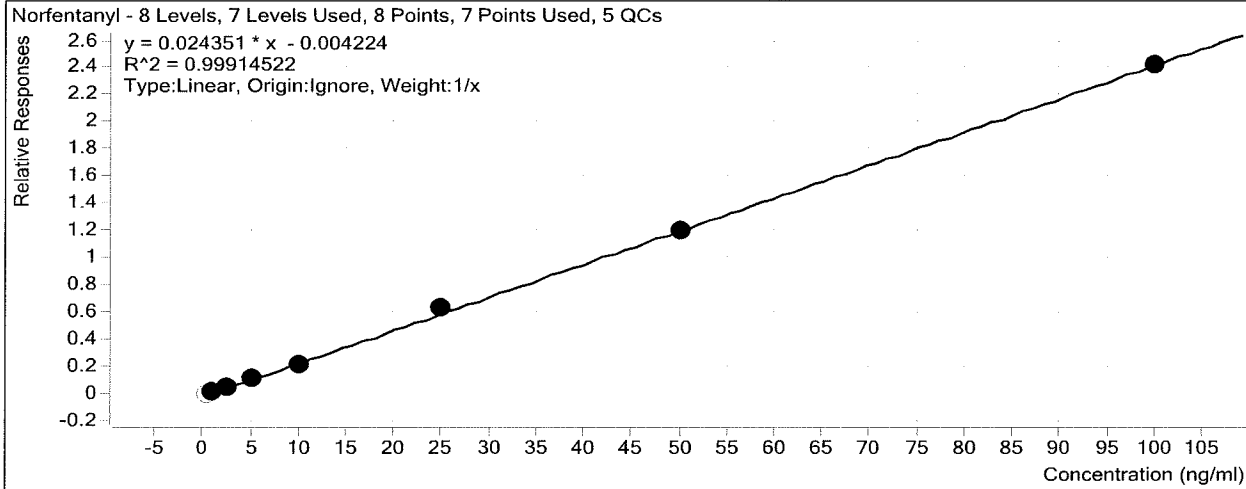
LOD -5

*ISP*

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1b mdq.batch.bin  
**Last Calib Update** 2/15/2017 12:18 PM **Analyst Name** ISP TOX

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



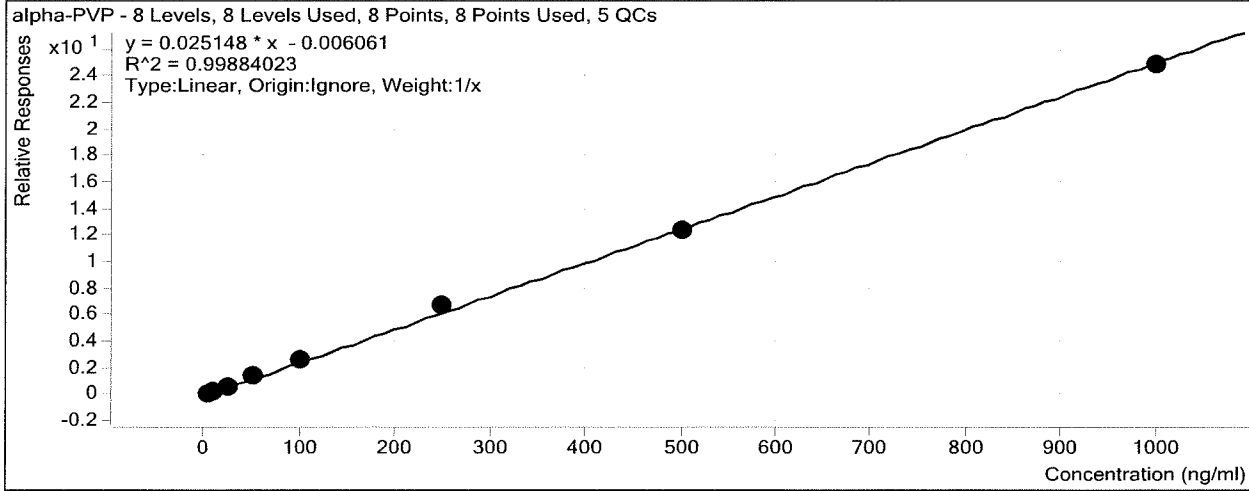
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1 - 5 ng	1	<input type="checkbox"/>	0.5	0.6	124.1
b cal 2 - 10ng	2	<input checked="" type="checkbox"/>	1	1.1	105.2
a QC 10	2	<input checked="" type="checkbox"/>	1	1.2	123.0
b cal 3- 25ng	3	<input checked="" type="checkbox"/>	2.5	2.4	97.0
b cal 4 - 50ng	4	<input checked="" type="checkbox"/>	5	5.0	100.6
b cal 5- 100ng	5	<input checked="" type="checkbox"/>	10	9.2	92.4
b qc 100	5	<input checked="" type="checkbox"/>	10	10.9	109.2
b qc 100 2nd	5	<input checked="" type="checkbox"/>	10	11.3	112.7
b cal 6 - 250ng	6	<input checked="" type="checkbox"/>	25	26.4	105.5
b QC 250	6	<input checked="" type="checkbox"/>	25	24.2	96.8
b cal 7 - 500ng	7	<input checked="" type="checkbox"/>	50	49.9	99.8
b cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	100	99.5	99.5
b qc 1000	8	<input checked="" type="checkbox"/>	100	103.5	103.5

LOD - 0.5<sup>ng</sup>

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1b mdq.batch.bin  
**Last Calib Update** 2/15/2017 12:18 PM **Analyst Name** ISP TOX

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



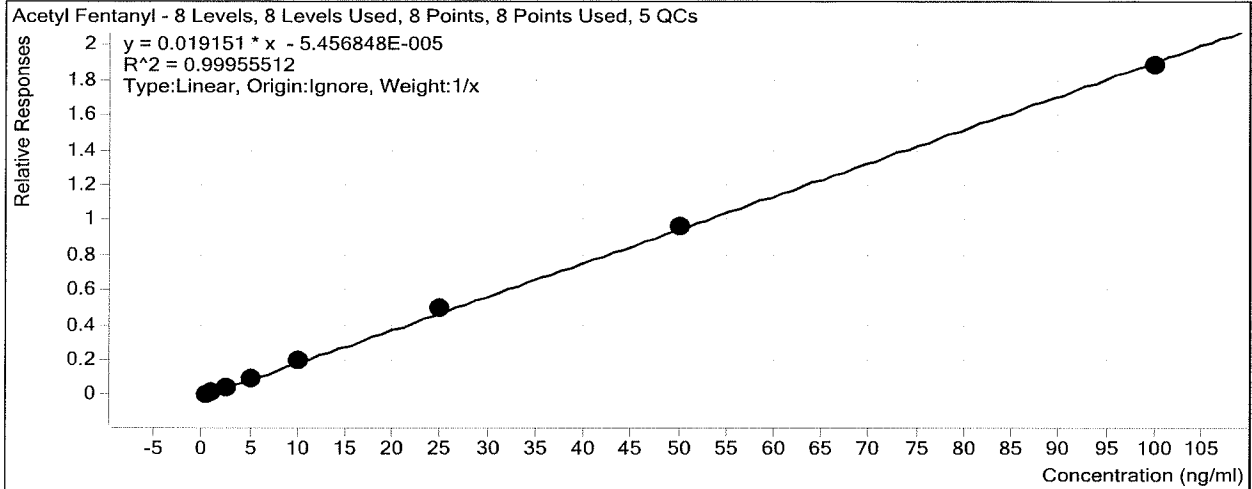
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1 - 5 ng	1	<input checked="" type="checkbox"/>	5	4.8	95.6
b cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	9.1	91.3
a QC 10	2	<input checked="" type="checkbox"/>	10	11.8	118.3
b cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	24.7	98.9
b cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	53.4	106.7
b cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	103.9	103.9
b qc 100	5	<input checked="" type="checkbox"/>	100	114.0	114.0
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	117.0	117.0
b cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	267.4	107.0
b QC 250	6	<input checked="" type="checkbox"/>	250	266.5	106.6
b cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	489.6	97.9
b cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	987.1	98.7
b qc 1000	8	<input checked="" type="checkbox"/>	1000	948.6	94.9

LOD: 5

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1b mdq.batch.bin  
**Last Calib Update** 2/15/2017 12:18 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 - 5 ng	1	<input checked="" type="checkbox"/>	0.5	0.5	99.3
b cal 2 - 10ng	2	<input checked="" type="checkbox"/>	1	0.9	90.7
a QC 10	2	<input type="checkbox"/>	1	1.0	99.4
b cal 3- 25ng	3	<input checked="" type="checkbox"/>	2.5	2.5	101.4
b cal 4 - 50ng	4	<input checked="" type="checkbox"/>	5	5.2	104.8
b cal 5- 100ng	5	<input checked="" type="checkbox"/>	10	10.1	101.3
b qc 100	5	<input checked="" type="checkbox"/>	10	11.9	118.8
b qc 100 2nd	5	<input checked="" type="checkbox"/>	10	11.5	114.9
b cal 6 - 250ng	6	<input checked="" type="checkbox"/>	25	25.8	103.1
b QC 250	6	<input checked="" type="checkbox"/>	25	24.1	96.3
b cal 7 - 500ng	7	<input checked="" type="checkbox"/>	50	50.5	101.1
b cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	100	98.4	98.4
b qc 1000	8	<input checked="" type="checkbox"/>	100	98.3	98.3

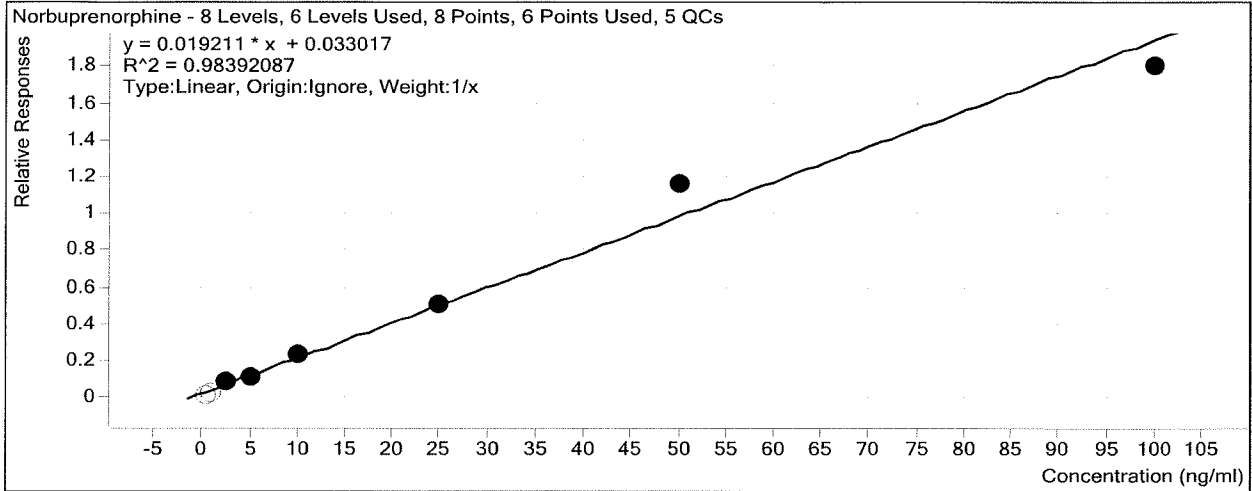
LOD - 0.5

BW

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1b mdq.batch.bin  
**Last Calib Update** 2/15/2017 12:18 PM **Analyst Name** ISP TOX

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

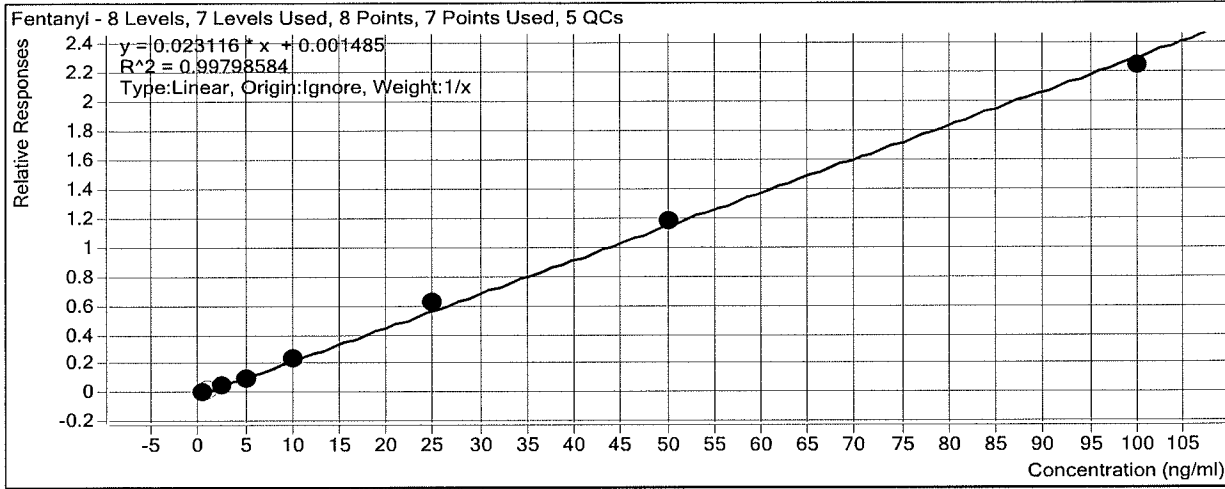


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1 - 5 ng	1	<input type="checkbox"/>	0.5	0.0	0.0
b cal 2 - 10ng	2	<input type="checkbox"/>	1	0.0	0.0
a QC 10	2	<input type="checkbox"/>	1	0.0	0.0
b cal 3- 25ng	3	<input checked="" type="checkbox"/>	2.5	2.6	105.3
b cal 4 - 50ng	4	<input checked="" type="checkbox"/>	5	4.1	81.2
b cal 5- 100ng	5	<input checked="" type="checkbox"/>	10	10.6	106.1
b qc 100	5	<input checked="" type="checkbox"/>	10	12.6	125.7
b qc 100 2nd	5	<input checked="" type="checkbox"/>	10	9.0	89.9
b cal 6 - 250ng	6	<input checked="" type="checkbox"/>	25	24.5	98.0
b QC 250	6	<input checked="" type="checkbox"/>	25	25.4	101.6
b cal 7 - 500ng	7	<input checked="" type="checkbox"/>	50	58.7	117.4
b cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	100	92.0	92.0
b qc 1000	8	<input checked="" type="checkbox"/>	100	115.8	115.8

LOD - 2.5

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1b mdq.batch.bin  
**Last Calib Update** 2/16/2017 11:15 AM **Analyst Name** ISP TOX  
**Target Compound** Fentanyl  
**Internal Standard** Fentanyl-D5



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1 - 5 ng	1	<input checked="" type="checkbox"/>	0.5	0.5	97.9
b cal 2 - 10ng	2	<input type="checkbox"/>	1	0.9	91.4
a QC 10	2	<input checked="" type="checkbox"/>	1	1.1	114.9
b cal 3- 25ng	3	<input checked="" type="checkbox"/>	2.5	2.5	99.7
b cal 4 - 50ng	4	<input checked="" type="checkbox"/>	5	4.5	90.3
b cal 5- 100ng	5	<input checked="" type="checkbox"/>	10	10.5	104.9
b qc 100	5	<input checked="" type="checkbox"/>	10	11.4	114.0
b qc 100 2nd	5	<input checked="" type="checkbox"/>	10	11.1	110.6
b cal 6 - 250ng	6	<input checked="" type="checkbox"/>	25	27.0	108.2
b QC 250	6	<input checked="" type="checkbox"/>	25	24.7	98.9
b cal 7 - 500ng	7	<input checked="" type="checkbox"/>	50	51.0	102.1
b cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	100	96.9	96.9
b qc 1000	8	<input checked="" type="checkbox"/>	100	96.9	96.9

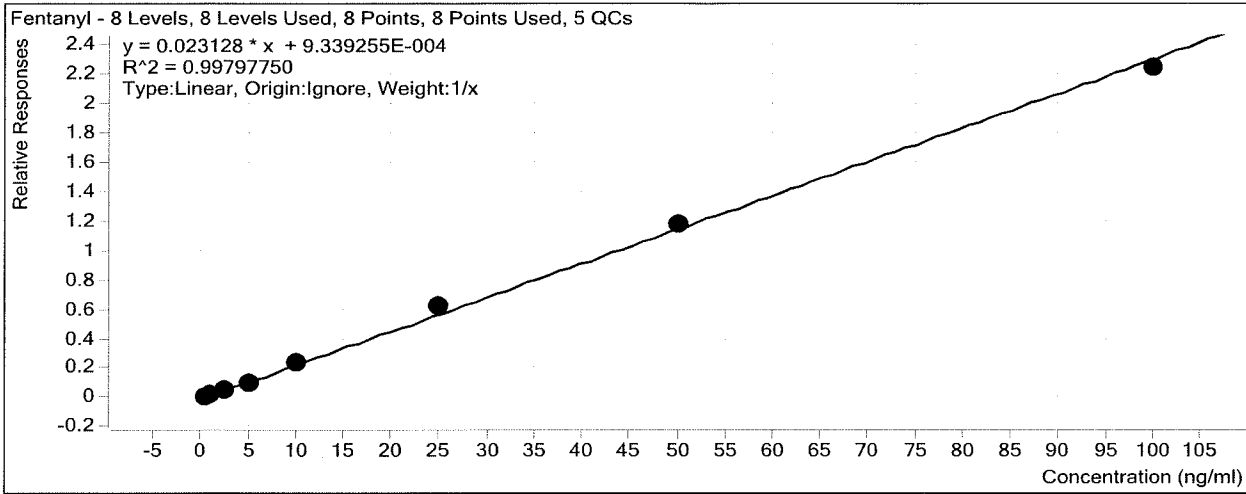
LOD - 0.5

*ISP*

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1b mdq.batch.bin  
**Last Calib Update** 2/15/2017 12:18 PM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1 - 0.5 ng	1	<input checked="" type="checkbox"/>	0.5	0.5	102.6
b cal 2 - 10ng	2	<input checked="" type="checkbox"/>	1	0.9	93.8 - S/N below 10, pt removed
a QC 10	2	<input checked="" type="checkbox"/>	1	1.2	117.2
b cal 3- 25ng	3	<input checked="" type="checkbox"/>	2.5	2.5	100.6
b cal 4 - 50ng	4	<input checked="" type="checkbox"/>	5	4.5	90.7
b cal 5- 100ng	5	<input checked="" type="checkbox"/>	10	10.5	105.1
b qc 100	5	<input checked="" type="checkbox"/>	10	11.4	114.2
b qc 100 2nd	5	<input checked="" type="checkbox"/>	10	11.1	110.8
b cal 6 - 250ng	6	<input checked="" type="checkbox"/>	25	27.0	108.2
b QC 250	6	<input checked="" type="checkbox"/>	25	24.7	98.9
b cal 7 - 500ng	7	<input checked="" type="checkbox"/>	50	51.0	102.1
b cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	100	96.9	96.9
b qc 1000	8	<input checked="" type="checkbox"/>	100	96.8	96.8

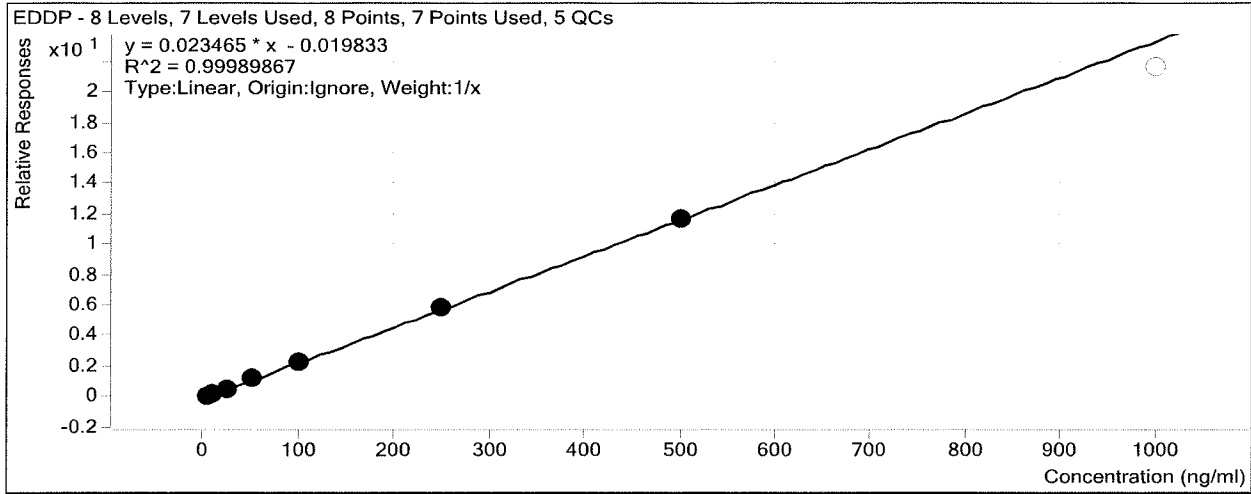
LOD - 0.5



# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1b mdq.batch.bin  
**Last Calib Update** 2/15/2017 12:18 PM **Analyst Name** ISP TOX

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



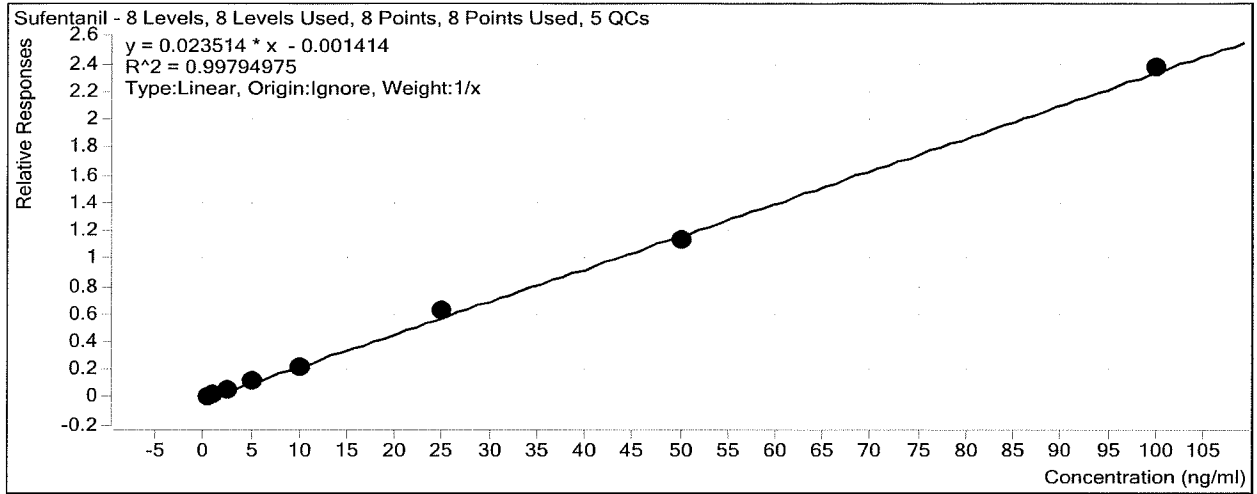
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1 - 5 ng	1	<input checked="" type="checkbox"/>	5	5.2	103.3
b cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	10.0	100.2
a QC 10	2	<input checked="" type="checkbox"/>	10	10.5	104.5
b cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	23.9	95.4
b cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	50.8	101.6
b cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	99.1	99.1
b qc 100	5	<input checked="" type="checkbox"/>	100	118.7	118.7
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	112.4	112.4
b cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	251.0	100.4
b QC 250	6	<input checked="" type="checkbox"/>	250	258.3	103.3
b cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	500.1	100.0
b cal 8 - 1000ng	8	<input type="checkbox"/>	1000	921.9	92.2
b qc 1000	8	<input type="checkbox"/>	1000	957.1	95.7

LOD - S

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1b mdq.batch.bin  
**Last Calib Update** 2/15/2017 12:18 PM **Analyst Name** ISP TOX

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



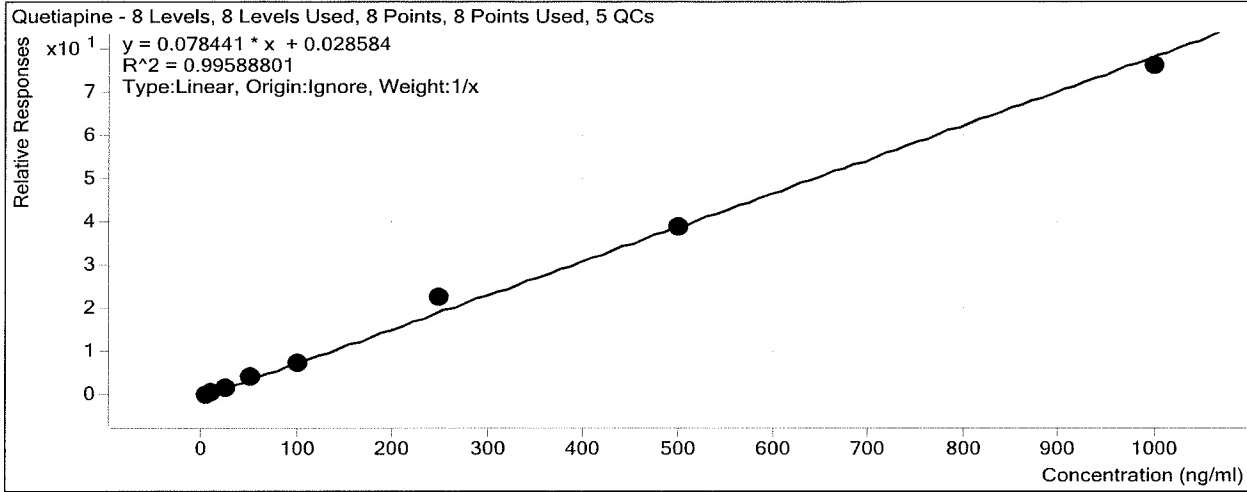
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1 - 5 ng	1	<input checked="" type="checkbox"/>	0.5	0.6	128.1
b cal 2 - 10ng	2	<input checked="" type="checkbox"/>	1	0.8	83.4
a QC 10	2	<input checked="" type="checkbox"/>	1	0.9	90.0
b cal 3- 25ng	3	<input checked="" type="checkbox"/>	2.5	2.2	87.2
b cal 4 - 50ng	4	<input checked="" type="checkbox"/>	5	5.1	102.3
b cal 5- 100ng	5	<input checked="" type="checkbox"/>	10	9.5	94.6
b qc 100	5	<input checked="" type="checkbox"/>	10	12.7	126.6
b qc 100 2nd	5	<input checked="" type="checkbox"/>	10	12.1	120.7
b cal 6 - 250ng	6	<input checked="" type="checkbox"/>	25	26.8	107.4
b QC 250	6	<input checked="" type="checkbox"/>	25	21.5	86.2
b cal 7 - 500ng	7	<input checked="" type="checkbox"/>	50	48.0	96.0
b cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	100	100.9	100.9
b qc 1000	8	<input checked="" type="checkbox"/>	100	93.5	93.5

LOD - 2.5

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1b mdq.batch.bin  
**Last Calib Update** 2/15/2017 12:18 PM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1 - 5 ng	1	<input checked="" type="checkbox"/>	5	4.5	89.5
b cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	9.7	96.7
a QC 10	2	<input checked="" type="checkbox"/>	10	12.7	127.4
b cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	23.5	93.9
b cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	56.0	112.1
b cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	97.6	97.6
b qc 100	5	<input checked="" type="checkbox"/>	100	118.9	118.9
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	125.2	125.2
b cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	286.1	114.5
b QC 250	6	<input checked="" type="checkbox"/>	250	252.1	100.8
b cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	495.7	99.1
b cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	966.9	96.7
b qc 1000	8	<input checked="" type="checkbox"/>	1000	875.3	87.5

LOD - 5

# ISP Forensics Calibration Curve Report

**Batch Data Path**

D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1b mdq.batch.bin

**Last Calib Update**

2/15/2017 12:18 PM

**Analyst Name**

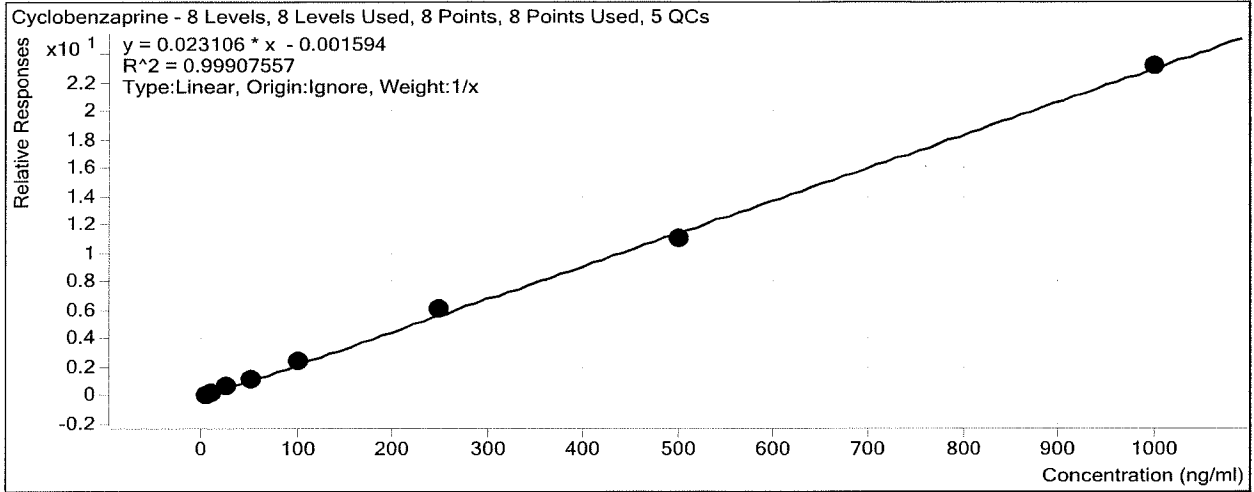
ISP TOX

**Target Compound**

*Cyclobenzaprine*

*Internal Standard*

*Cyclobenzaprine-D3*



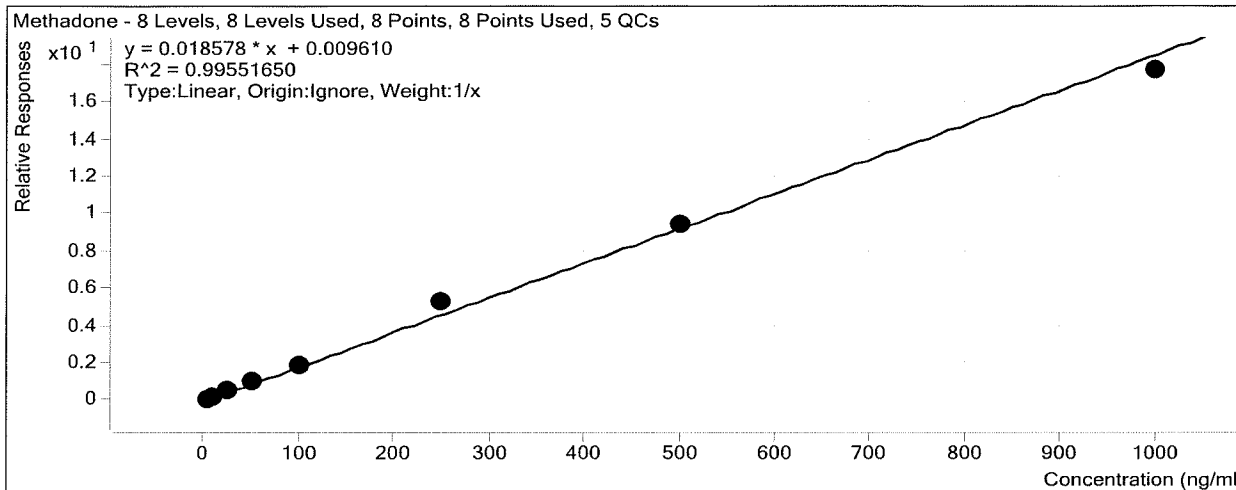
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1 - 5 ng	1	<input checked="" type="checkbox"/>	5	4.7	94.3
b cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	9.5	94.7
a QC 10	2	<input checked="" type="checkbox"/>	10	12.6	126.2
b cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	26.3	105.3
b cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	49.7	99.4
b cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	105.2	105.2
b qc 100	5	<input checked="" type="checkbox"/>	100	109.0	109.0
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	119.2	119.2
b cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	261.8	104.7
b QC 250	6	<input checked="" type="checkbox"/>	250	258.1	103.2
b cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	481.4	96.3
b cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	1001.4	100.1
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1012.7	101.3

LOD-S

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1b mdq.batch.bin  
**Last Calib Update** 2/15/2017 12:18 PM **Analyst Name** ISP TOX

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



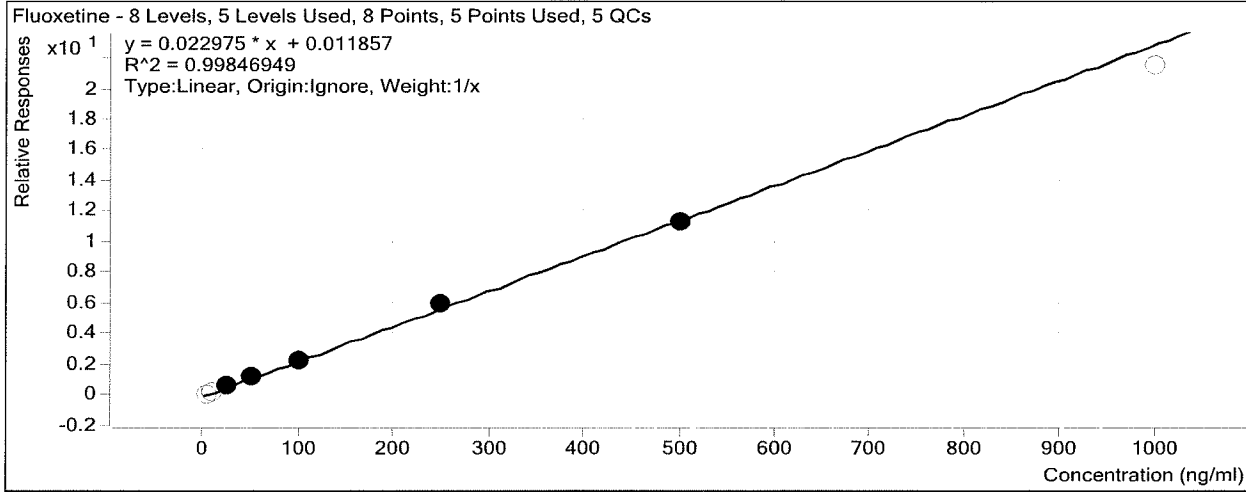
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1 - 5 ng	1	<input checked="" type="checkbox"/>	5	4.5	89.7
b cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	8.2	81.9
a QC 10	2	<input checked="" type="checkbox"/>	10	10.3	102.8
b cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	26.9	107.4
b cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	53.6	107.2
b cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	103.4	103.4
b qc 100	5	<input checked="" type="checkbox"/>	100	115.3	115.3
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	124.3	124.3
b cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	283.3	113.3
b QC 250	6	<input checked="" type="checkbox"/>	250	267.6	107.0
b cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	509.7	101.9
b cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	950.5	95.0
b qc 1000	8	<input checked="" type="checkbox"/>	1000	998.3	99.8

LOD - 5

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1b mdq.batch.bin  
**Last Calib Update** 2/15/2017 12:18 PM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1 - 5 ng	1	<input type="checkbox"/>	5	3.9	77.9
b cal 2 - 10ng	2	<input type="checkbox"/>	10	8.8	88.2
a QC 10	2	<input type="checkbox"/>	10	10.2	102.2
b cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	24.3	97.1
b cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	51.0	102.0
b cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	98.1	98.1
b qc 100	5	<input checked="" type="checkbox"/>	100	111.6	111.6
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	96.7	96.7
b cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	262.3	104.9
b QC 250	6	<input checked="" type="checkbox"/>	250	134.2	53.7
b cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	489.3	97.9
b cal 8 - 1000ng	8	<input type="checkbox"/>	1000	935.3	93.5
b qc 1000	8	<input type="checkbox"/>	1000	434.9	43.5

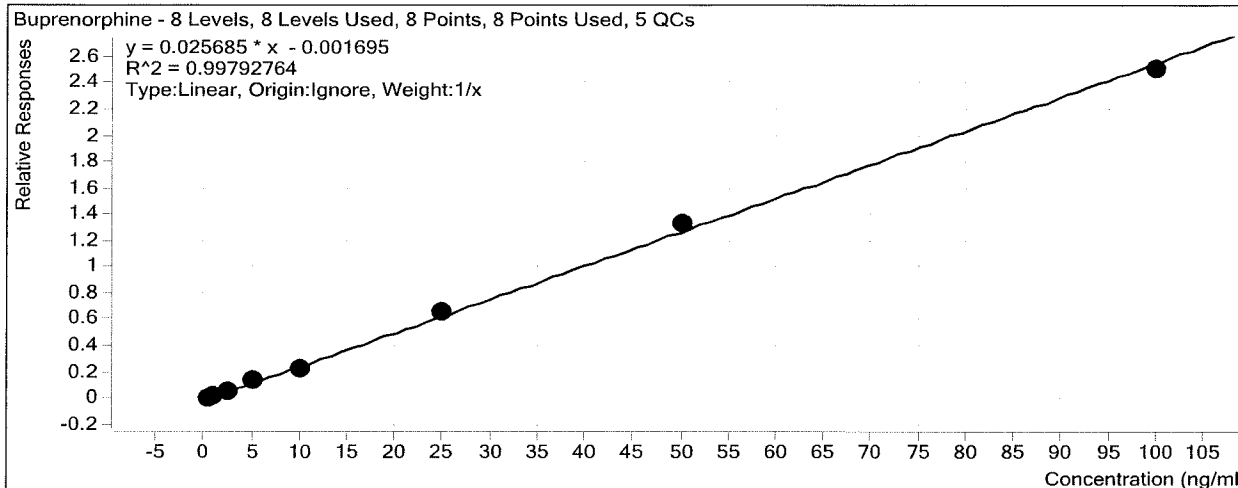
LOD - 25

*ISP*

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1b mdq.batch.bin  
**Last Calib Update** 2/15/2017 12:18 PM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1 - 5 ng	1	<input checked="" type="checkbox"/>	0.5	0.5	95.2
b cal 2 - 10ng	2	<input checked="" type="checkbox"/>	1	0.9	94.4
a QC 10	2	<input type="checkbox"/>	1	1.4	138.0
b cal 3 - 25ng	3	<input checked="" type="checkbox"/>	2.5	2.4	97.2
b cal 4 - 50ng	4	<input checked="" type="checkbox"/>	5	5.8	117.0
b cal 5 - 100ng	5	<input checked="" type="checkbox"/>	10	9.2	91.9
b qc 100	5	<input checked="" type="checkbox"/>	10	7.7	76.7
b qc 100 2nd	5	<input checked="" type="checkbox"/>	10	11.6	115.6
b cal 6 - 250ng	6	<input checked="" type="checkbox"/>	25	25.8	103.2
b QC 250	6	<input checked="" type="checkbox"/>	25	23.0	91.9
b cal 7 - 500ng	7	<input checked="" type="checkbox"/>	50	51.8	103.6
b cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	100	97.5	97.5
b qc 1000	8	<input checked="" type="checkbox"/>	100	99.5	99.5

LOD - 2.5

# ISP Forensics Calibration Curve Report

**Batch Data Path**

D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1b mdq.batch.bin

**Last Calib Update**

2/15/2017 12:18 PM

**Analyst Name**

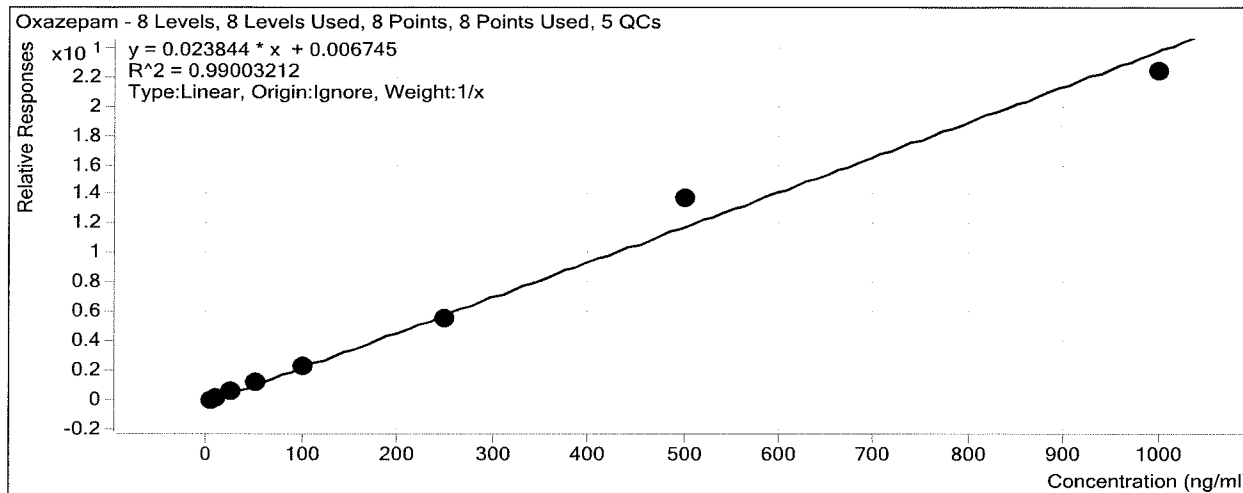
ISP TOX

**Target Compound**

*Oxazepam*

**Internal Standard**

*Oxazepam-D5*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1 - 5 ng	1	<input checked="" type="checkbox"/>	5	4.6	92.9
b cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	9.4	93.7
a QC 10	2	<input checked="" type="checkbox"/>	10	12.7	126.5
b cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	27.3	109.3
b cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	50.6	101.3
b cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	100.3	100.3
b qc 100	5	<input checked="" type="checkbox"/>	100	112.2	112.2
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	115.1	115.1
b cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	233.0	93.2
b QC 250	6	<input checked="" type="checkbox"/>	250	257.0	102.8
b cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	578.5	115.7
b cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	936.2	93.6
b qc 1000	8	<input checked="" type="checkbox"/>	1000	974.7	97.5

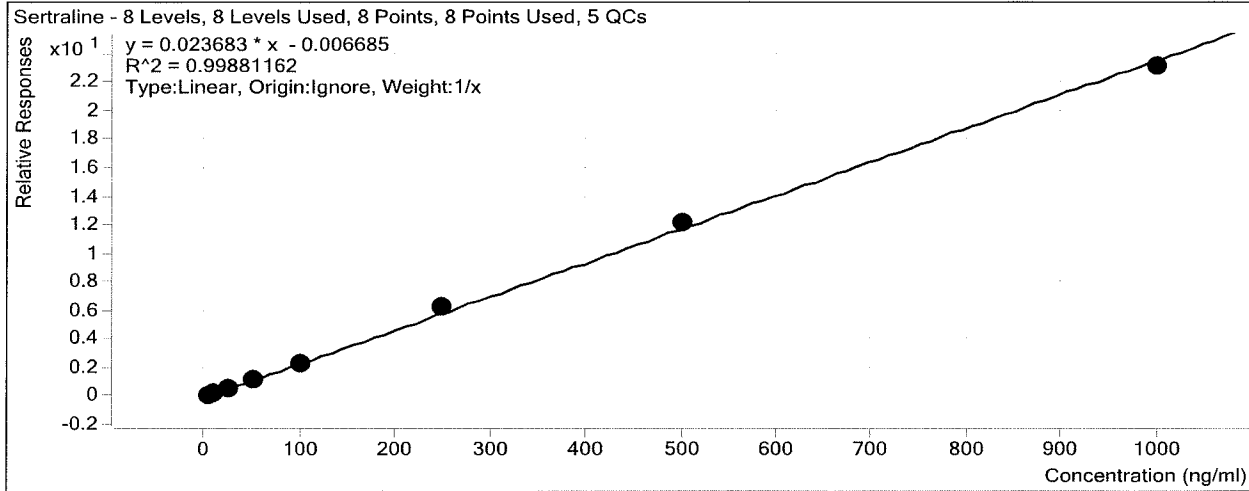
LOD - 5



# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1b mdq.batch.bin  
**Last Calib Update** 2/15/2017 12:18 PM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1 - 5 ng	1	<input checked="" type="checkbox"/>	5	5.0	99.4
b cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	10.0	100.1
a QC 10	2	<input checked="" type="checkbox"/>	10	14.4	143.7
b cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	25.0	99.9
b cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	48.9	97.9
b cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	96.1	96.1
b qc 100	5	<input checked="" type="checkbox"/>	100	111.0	111.0
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	109.3	109.3
b cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	266.1	106.4
b QC 250	6	<input checked="" type="checkbox"/>	250	220.5	88.2
b cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	512.8	102.6
b cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	976.1	97.6
b qc 1000	8	<input checked="" type="checkbox"/>	1000	968.9	96.9

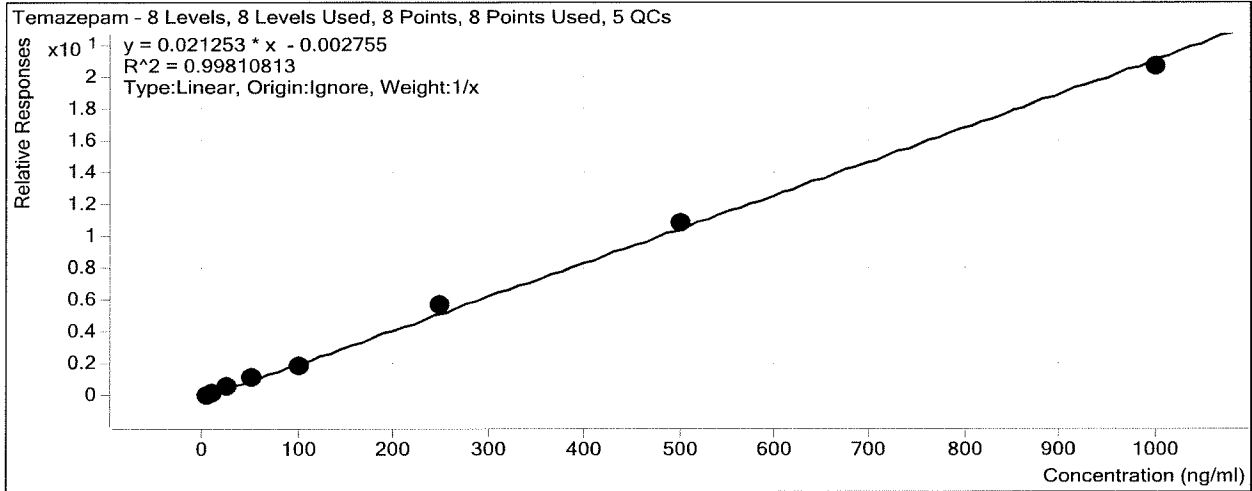
LOD-5

*[Handwritten signature]*

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1b mdq.batch.bin  
**Last Calib Update** 2/15/2017 12:18 PM **Analyst Name** ISP TOX

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



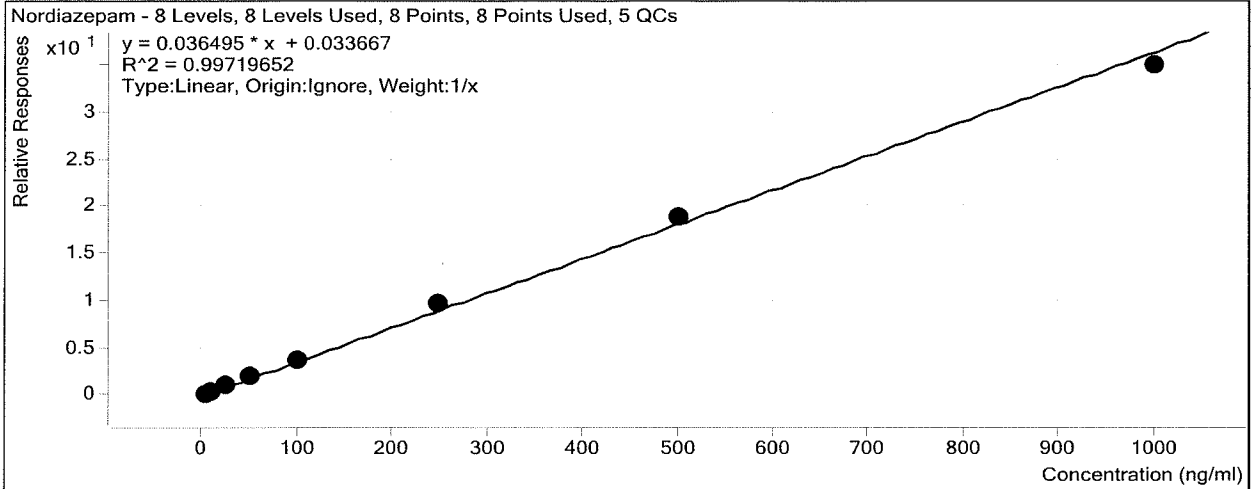
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1 - 5 ng	1	<input checked="" type="checkbox"/>	5	4.8	95.5
b cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	9.5	94.6
a QC 10	2	<input checked="" type="checkbox"/>	10	12.9	128.5
b cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	26.2	104.6
b cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	53.2	106.4
b cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	91.7	91.7
b qc 100	5	<input checked="" type="checkbox"/>	100	117.4	117.4
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	121.6	121.6
b cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	267.8	107.1
b QC 250	6	<input checked="" type="checkbox"/>	250	270.9	108.4
b cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	513.9	102.8
b cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	973.0	97.3
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1073.4	107.3

LOD - 25

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1b mdq.batch.bin  
**Last Calib Update** 2/15/2017 12:18 PM **Analyst Name** ISP TOX

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



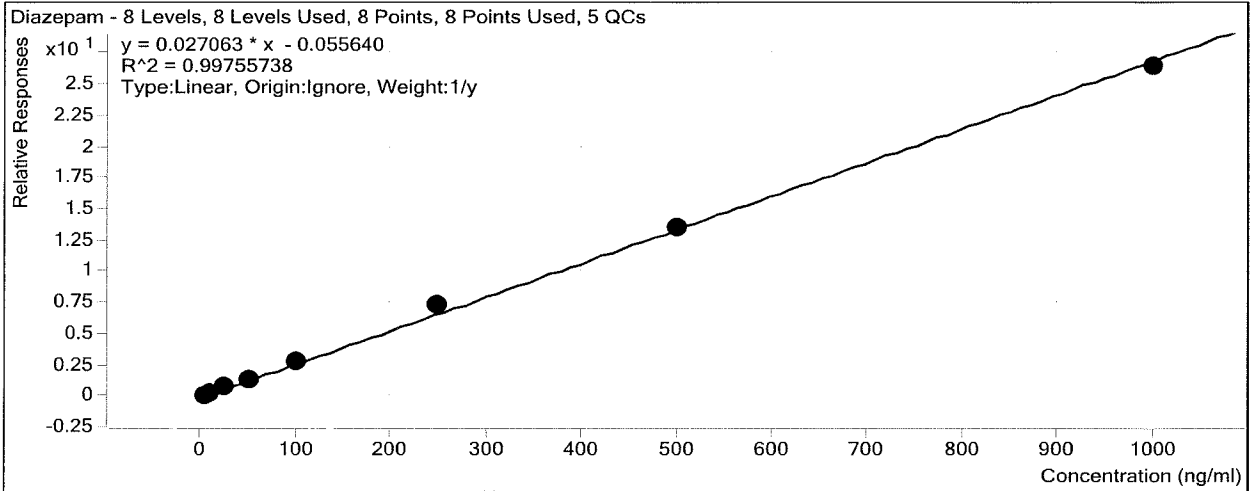
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1 - 5 ng	1	<input checked="" type="checkbox"/>	5	4.0	80.2
b cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	9.3	92.6
a QC 10	2	<input checked="" type="checkbox"/>	10	5.9	58.7
b cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	27.3	109.3
b cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	55.0	110.1
b cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	101.1	101.1
b qc 100	5	<input checked="" type="checkbox"/>	100	116.3	116.3
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	117.7	117.7
b cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	268.7	107.5
b QC 250	6	<input checked="" type="checkbox"/>	250	253.1	101.2
b cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	518.3	103.7
b cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	956.2	95.6
b qc 1000	8	<input checked="" type="checkbox"/>	1000	959.1	95.9

LOD - 25

# ISP Forensics Calibration Curve Report

**Batch Data Path** D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1b mdq.batch.bin  
**Last Calib Update** 2/15/2017 12:18 PM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1 - 5 ng	1	<input checked="" type="checkbox"/>	5	6.3	125.4
b cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	7.3	72.8
a QC 10	2	<input type="checkbox"/>	10	13.9	139.2
b cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	27.7	111.0
b cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	51.6	103.2
b cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	102.6	102.6
b qc 100	5	<input checked="" type="checkbox"/>	100	117.3	117.3
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	118.0	118.0
b cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	271.4	108.6
b QC 250	6	<input checked="" type="checkbox"/>	250	262.6	105.1
b cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	499.5	99.9
b cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	978.1	97.8
b qc 1000	8	<input checked="" type="checkbox"/>	1000	978.8	97.9

LOD - 5

# ISP FORENSICS - Cd'A Instrument # 62340

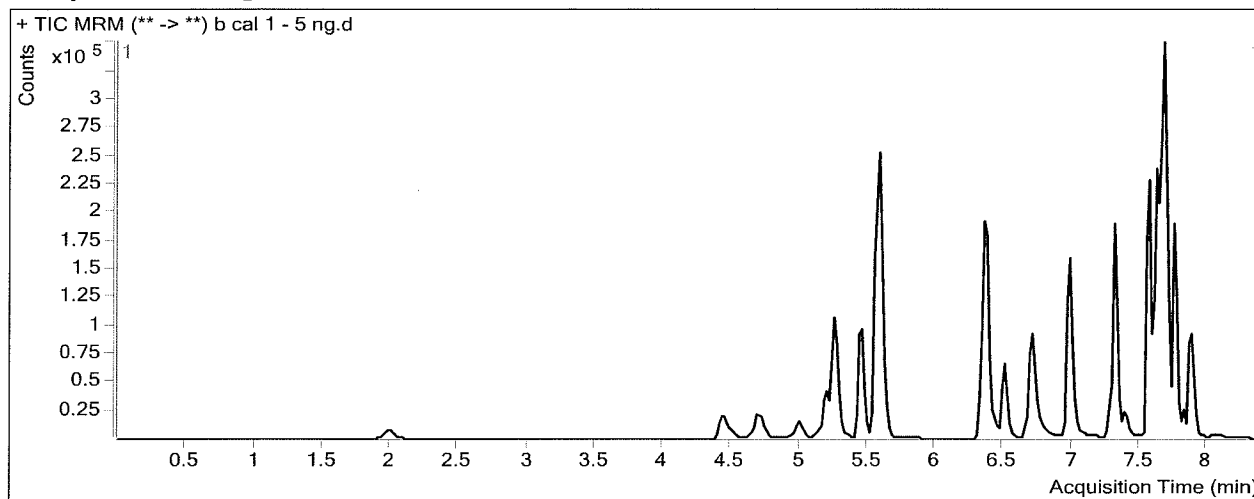
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1b mdq.batch.bin		
<b>Analysis Time</b>	2/15/2017 12:18 PM	<b>Analyst Name</b>	ISP Tox
<b>Report Time</b>	2/15/2017 12:22 PM	<b>Reporter Name</b>	ISP Tox
<b>Last Calib Update</b>	2/15/2017 12:18 PM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2017-02-13 16:08	<b>Data File</b>	b cal 1 - 5 ng.d
<b>Sample Type</b>	Calibration	<b>Sample Name</b>	b cal 1 - 5 ng
<b>Dilution</b>	1	<b>Acq Method</b>	Quant Panel 1b 11-18-2016.m
<b>Position</b>	P1-A1	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	AM 28 Panel 1 Confirmation

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	2.009	4908	44536	0.1102	5.0773
Dihydrocodeine	Dihydrocodeine-D6	4.496	9630	90733	0.1061	4.7330
Naloxone	Naloxone-D5	4.753	6634	90509	0.0733	5.6842
Noroxycodone	Noroxycodone-D3	5.017	6615	59072	0.1120	4.9472
Naltrexone	Naltrexone-D3	5.192	12725	121937	0.1044	4.4018
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.304	4319	377453	0.0114	0.5687
Naltrexol	Naltrexol-D3	5.451	36669	278896	0.1315	4.6666
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.579	90098	737150	0.1222	4.3120
Ketamine	Ketamine-D4	6.361	31531	252276	0.1250	4.0177
Norfentanyl	Norfentanyl-D5	6.404	4930	452737	0.0109	0.6207
alpha-PVP	alpha-PVP-d8	6.709	41119	360353	0.1141	4.7784
Acetyl Fentanyl	Acetyl Fentanyl-D5	7.001	4750	502477	0.0095	0.4965
Norbuprenorphine	Norbuprenorphine-D3	7.275	257	14002	0.0184	0.0000
Fentanyl	Fentanyl-D5	7.299	6016	469979	0.0128	0.5131
EDDP	EDDP-D3	7.390	4963	48963	0.1014	5.1649
Sufentanil	Sufentanil-D5	7.559	4313	315924	0.0137	0.6407
Quetiapine	Quetiapine-D8	7.560	70362	185451	0.3794	4.4725
Cyclobenzaprine	Cyclobenzaprine-D3	7.613	22775	212173	0.1073	4.7147
Methadone	Methadone-D9	7.643	39601	426134	0.0929	4.4849
Fluoxetine	Fluoxetine-D6	7.685	62128	612838	0.1014	3.8963
Buprenorphine	Buprenorphine-D4	7.696	1094	103906	0.0105	0.4760
Oxazepam	Oxazepam-D5	7.710	3347	28482	0.1175	4.6451
Sertraline	Sertraline-D3	7.746	16608	149610	0.1110	4.9694

**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>
Temazepam	Temazepam-D5	7.768	19744	200081	0.0987	4.7729
Nordiazepam	Nordiazepam-D5	7.836	5512	30630	0.1799	4.0080
Diazepam	Diazepam-D5	7.891	21893	191973	0.1140	6.2698



# ISP FORENSICS - Cd'A Instrument # 62340

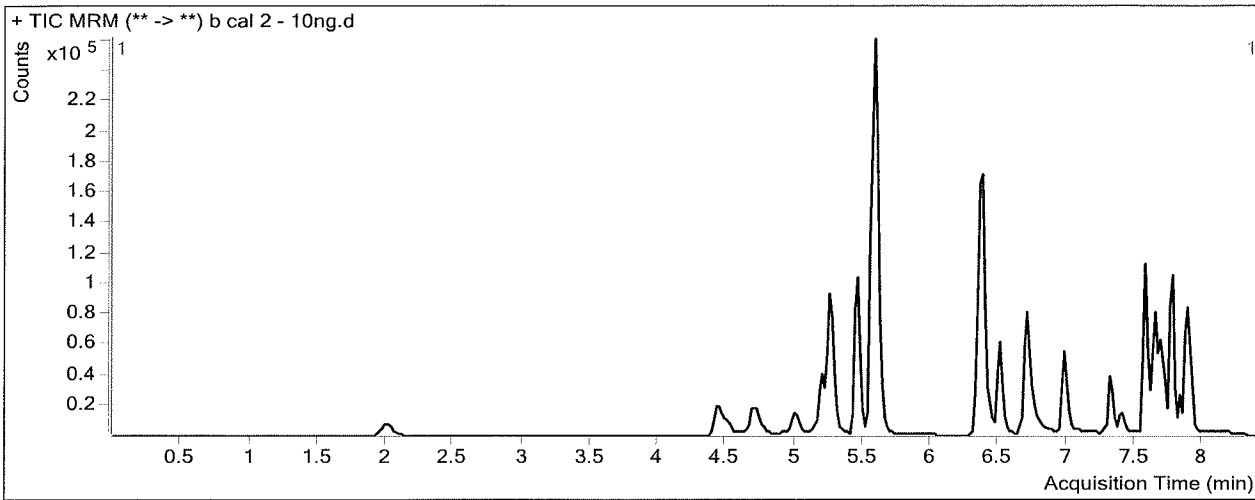
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1b mdq.batch.bin		
<b>Analysis Time</b>	2/15/2017 12:18 PM	<b>Analyst Name</b>	ISP Tox
<b>Report Time</b>	2/15/2017 12:22 PM	<b>Reporter Name</b>	ISP Tox
<b>Last Calib Update</b>	2/15/2017 12:18 PM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2017-02-13 16:33	<b>Data File</b>	b cal 2 - 10ng.d
<b>Sample Type</b>	Calibration	<b>Sample Name</b>	b cal 2 - 10ng
<b>Dilution</b>	1	<b>Acq Method</b>	Quant Panel 1b 11-18-2016.m
<b>Position</b>	P1-B1	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	AM 28 Panel 1 Confirmation

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	2.009	8381	39231	0.2136	9.3939
Dihydrocodeine	Dihydrocodeine-D6	4.496	16669	83340	0.2000	9.0844
Naloxone	Naloxone-D5	4.753	10789	76706	0.1407	9.5319
Noroxycodone	Noroxycodone-D3	5.037	10619	49730	0.2135	9.2207
Naltrexone	Naltrexone-D3	5.192	20521	100748	0.2037	9.1235
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.304	6565	323909	0.0203	0.9334
Naltrexol	Naltrexol-D3	5.451	63688	247537	0.2573	9.3673
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.579	158818	680047	0.2335	9.1500
Ketamine	Ketamine-D4	6.361	52079	212314	0.2453	9.0300
Norfentanyl	Norfentanyl-D5	6.404	8899	415778	0.0214	1.0524
alpha-PVP	alpha-PVP-d8	6.709	61955	277138	0.2236	9.1305
Acetyl Fentanyl	Acetyl Fentanyl-D5	7.001	2805	162013	0.0173	0.9068
Norbuprenorphine	Norbuprenorphine-D3	7.275	120	4236	0.0284	0.0000
Fentanyl	Fentanyl-D5	7.319	2150	95055	0.0226	0.9378
EDDP	EDDP-D3	7.390	6810	31630	0.2153	10.0206
Sufentanil	Sufentanil-D5	7.559	934	51280	0.0182	0.8344
Quetiapine	Quetiapine-D8	7.560	80862	102717	0.7872	9.6716
Cyclobenzaprine	Cyclobenzaprine-D3	7.613	6865	31605	0.2172	9.4694
Methadone	Methadone-D9	7.643	20800	128563	0.1618	8.1914
Fluoxetine	Fluoxetine-D6	7.685	15934	74271	0.2145	8.8218
Buprenorphine	Buprenorphine-D4	7.696	693	30752	0.0225	0.9439
Oxazepam	Oxazepam-D5	7.710	5615	24385	0.2303	9.3739
Sertraline	Sertraline-D3	7.746	3579	15528	0.2305	10.0144

*ISP*

**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>
Temazepam	Temazepam-D5	7.768	36694	184951	0.1984	9.4649
Nordiazepam	Nordiazepam-D5	7.836	10526	28335	0.3715	9.2568
Diazepam	Diazepam-D5	7.911	24800	175494	0.1413	7.2776





# ISP FORENSICS - Cd'A Instrument # 62340

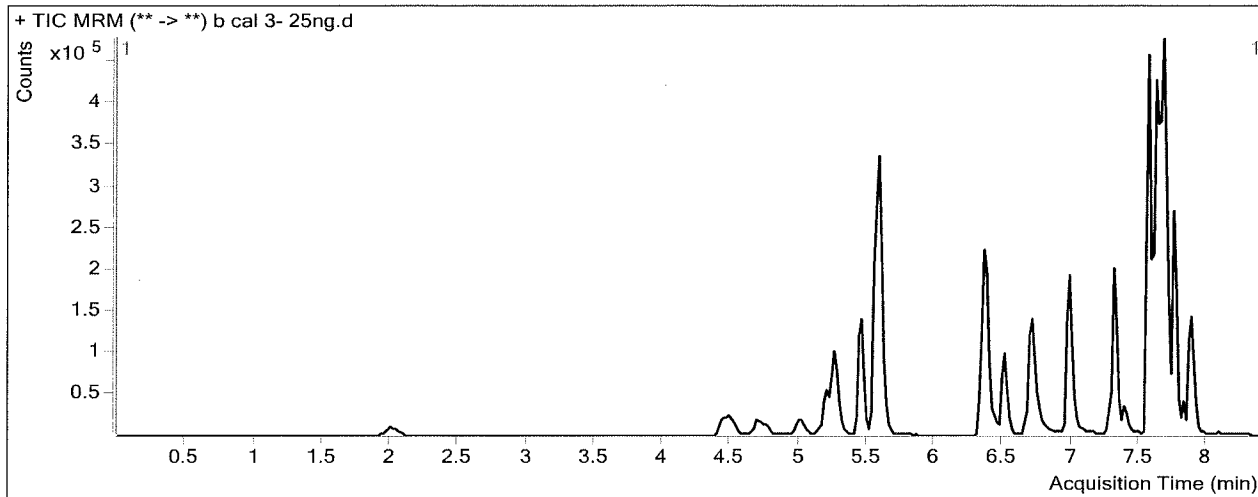
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1b mdq.batch.bin  
**Analysis Time** 2/15/2017 12:18 PM **Analyst Name** ISP Tox  
**Report Time** 2/15/2017 12:22 PM **Reporter Name** ISP Tox  
**Last Calib Update** 2/15/2017 12:18 PM **Batch State** Processed

### Analysis Info

**Acq Time** 2017-02-13 16:59 **Data File** b cal 3- 25ng.d  
**Sample Type** Calibration **Sample Name** b cal 3- 25ng  
**Dilution** 1 **Acq Method** Quant Panel 1b 11-18-2016.m  
**Position** P1-C1 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28 Panel 1 Confirmation

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	2.029	21406	37262	0.5745	24.4533
Dihydrocodeine	Dihydrocodeine-D6	4.496	45904	81764	0.5614	25.8359
Naloxone	Naloxone-D5	4.753	27638	73376	0.3767	23.0125
Noroxycodone	Noroxycodone-D3	5.037	30025	52713	0.5696	24.2047
Naltrexone	Naltrexone-D3	5.192	54507	95737	0.5693	26.5046
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.304	18924	349060	0.0542	2.3361
Naltrexol	Naltrexol-D3	5.451	165038	237533	0.6948	25.7143
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.579	416326	667262	0.6239	26.1171
Ketamine	Ketamine-D4	6.361	143362	221656	0.6468	25.7574
Norfentanyl	Norfentanyl-D5	6.404	24381	444479	0.0549	2.4261
alpha-PVP	alpha-PVP-d8	6.709	211991	344217	0.6159	24.7304
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.981	27720	571606	0.0485	2.5351
Norbuprenorphine	Norbuprenorphine-D3	7.275	1069	12792	0.0836	2.6319
Fentanyl	Fentanyl-D5	7.319	27081	458308	0.0591	2.5144
EDDP	EDDP-D3	7.390	26353	48797	0.5401	23.8611
Sufentanil	Sufentanil-D5	7.559	16310	327345	0.0498	2.1791
Quetiapine	Quetiapine-D8	7.560	367000	196284	1.8697	23.4720
Cyclobenzaprine	Cyclobenzaprine-D3	7.613	131532	216801	0.6067	26.3260
Methadone	Methadone-D9	7.643	239603	471144	0.5086	26.8569
Fluoxetine	Fluoxetine-D6	7.685	347365	609876	0.5696	24.2742
Buprenorphine	Buprenorphine-D4	7.696	5930	97630	0.0607	2.4310
Oxazepam	Oxazepam-D5	7.710	13335	20265	0.6580	27.3152
Sertraline	Sertraline-D3	7.746	87657	149914	0.5847	24.9716

**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>
Temazepam	Temazepam-D5	7.768	86906	157132	0.5531	26.1536
Nordiazepam	Nordiazepam-D5	7.836	24839	24087	1.0312	27.3337
Diazepam	Diazepam-D5	7.891	112097	161258	0.6951	27.7415



# ISP FORENSICS - Cd'A Instrument # 62340

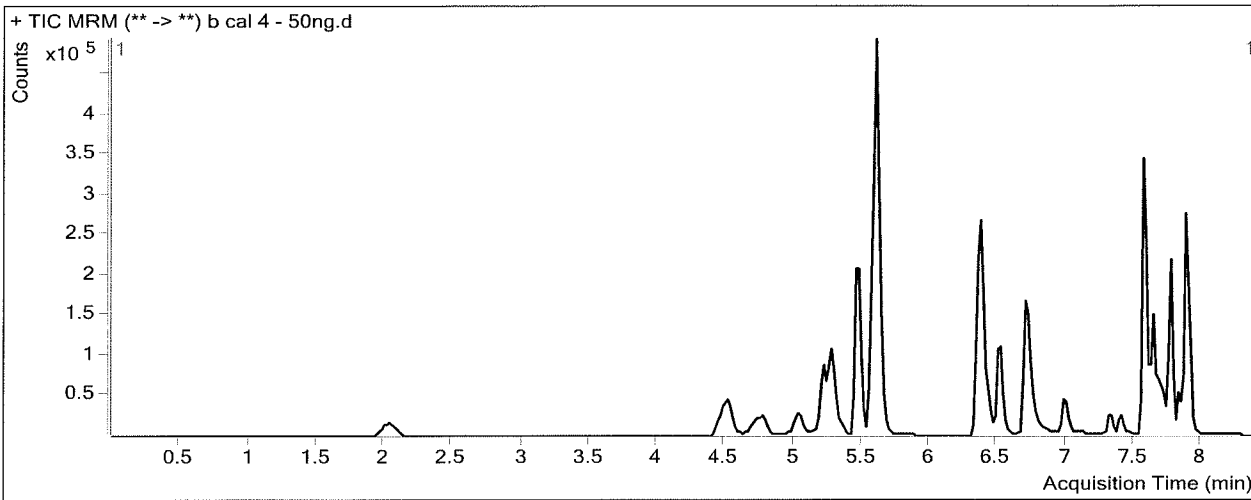
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1b mdq.batch.bin  
**Analysis Time** 2/15/2017 12:18 PM **Analyst Name** ISP Tox  
**Report Time** 2/15/2017 12:22 PM **Reporter Name** ISP Tox  
**Last Calib Update** 2/15/2017 12:18 PM **Batch State** Processed

### Analysis Info

**Acq Time** 2017-02-13 17:24 **Data File** b cal 4 - 50ng.d  
**Sample Type** Calibration **Sample Name** b cal 4 - 50ng  
**Dilution** 1 **Acq Method** Quant Panel 1b 11-18-2016.m  
**Position** P1-D1 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28 Panel 1 Confirmation

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	2.049	46731	39216	1.1916	50.2098
Dihydrocodeine	Dihydrocodeine-D6	4.516	101421	88099	1.1512	53.1739
Naloxone	Naloxone-D5	4.773	63837	78195	0.8164	48.1285
Noroxycodone	Noroxycodone-D3	5.057	61129	50636	1.2072	51.0375
Naltrexone	Naltrexone-D3	5.212	113208	99767	1.1347	53.3801
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.324	40161	354651	0.1132	4.7752
Naltrexol	Naltrexol-D3	5.471	359230	253939	1.4146	52.6099
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.598	889078	693971	1.2811	54.6810
Ketamine	Ketamine-D4	6.361	300749	224997	1.3367	54.5012
Norfentanyl	Norfentanyl-D5	6.404	50191	424495	0.1182	5.0290
alpha-PVP	alpha-PVP-d8	6.709	358840	268554	1.3362	53.3737
Acetyl Fentanyl	Acetyl Fentanyl-D5	7.001	12488	124524	0.1003	5.2397
Norbuprenorphine	Norbuprenorphine-D3	7.275	376	3385	0.1110	4.0585
Fentanyl	Fentanyl-D5	7.319	6567	62022	0.1059	4.5374
EDDP	EDDP-D3	7.410	34486	29434	1.1716	50.7776
Sufentanil	Sufentanil-D5	7.559	3668	30856	0.1189	5.1159
Quetiapine	Quetiapine-D8	7.560	469388	106076	4.4250	56.0478
Cyclobenzaprine	Cyclobenzaprine-D3	7.633	26390	23023	1.1462	49.6761
Methadone	Methadone-D9	7.643	95017	94472	1.0058	53.6200
Fluoxetine	Fluoxetine-D6	7.685	48970	41354	1.1842	51.0245
Buprenorphine	Buprenorphine-D4	7.696	2987	20112	0.1485	5.8485
Oxazepam	Oxazepam-D5	7.730	29042	23921	1.2140	50.6336
Sertraline	Sertraline-D3	7.746	12229	10610	1.1526	48.9487

**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>
Temazepam	Temazepam-D5	7.768	196343	174156	1.1274	53.1774
Nordiazepam	Nordiazepam-D5	7.836	55679	27264	2.0422	55.0360
Diazepam	Diazepam-D5	7.891	226208	168763	1.3404	51.5835

*BW*

# ISP FORENSICS - Cd'A Instrument # 62340

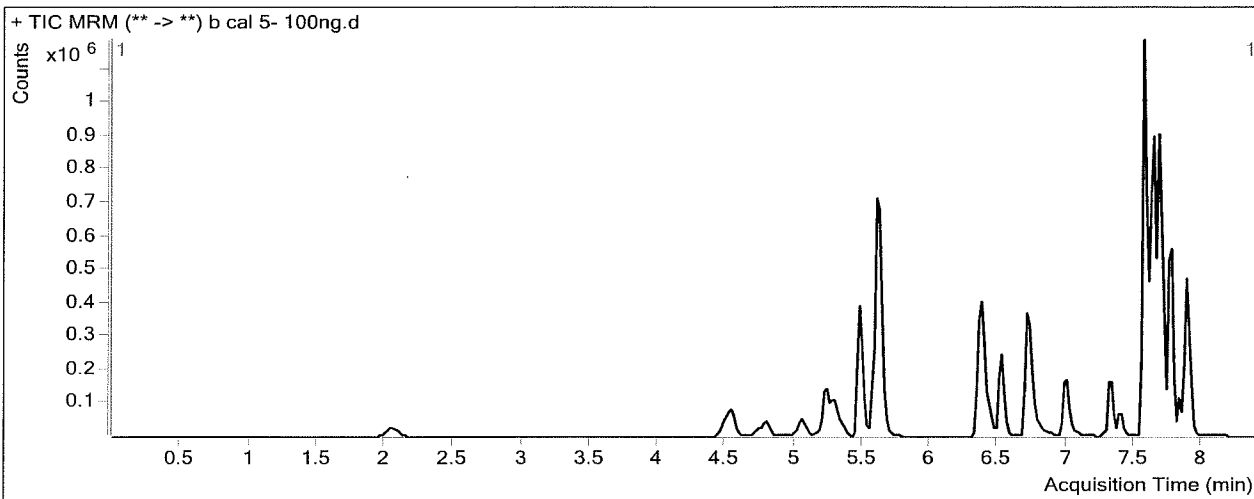
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1b mdq.batch.bin		
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<b>Report Time</b>	2/15/2017 12:22 PM	<b>Reporter Name</b>	ISP Tox
<b>Last Calib Update</b>	2/15/2017 12:18 PM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2017-02-13 17:50	<b>Data File</b>	b cal 5- 100ng.d
<b>Sample Type</b>	Calibration	<b>Sample Name</b>	b cal 5- 100ng
<b>Dilution</b>	1	<b>Acq Method</b>	Quant Panel 1b 11-18-2016.m
<b>Position</b>	P1-E1	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	AM 28 Panel 1 Confirmation

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	2.069	94124	38703	2.4320	101.9734
Dihydrocodeine	Dihydrocodeine-D6	4.536	201678	90423	2.2304	103.1947
Naloxone	Naloxone-D5	4.793	141526	80951	1.7483	101.3583
Noroxycodone	Noroxycodone-D3	5.057	126846	53395	2.3756	100.2068
Naltrexone	Naltrexone-D3	5.232	232431	109087	2.1307	100.7238
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.344	80597	352162	0.2289	9.5529
Naltrexol	Naltrexol-D3	5.471	722234	259457	2.7836	103.7611
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.618	1769624	730636	2.4220	104.2660
Ketamine	Ketamine-D4	6.361	664407	250444	2.6529	109.3399
Norfentanyl	Norfentanyl-D5	6.404	100810	456863	0.2207	9.2350
alpha-PVP	alpha-PVP-d8	6.709	902204	346192	2.6061	103.8698
Acetyl Fentanyl	Acetyl Fentanyl-D5	7.001	88452	456289	0.1939	10.1253
Norbuprenorphine	Norbuprenorphine-D3	7.275	2120	8947	0.2369	10.6139
Fentanyl	Fentanyl-D5	7.319	89313	365954	0.2441	10.5118
EDDP	EDDP-D3	7.410	109811	47641	2.3049	99.0759
Sufentanil	Sufentanil-D5	7.559	58903	266406	0.2211	9.4631
Quetiapine	Quetiapine-D8	7.560	1470606	191463	7.6809	97.5553
Cyclobenzaprine	Cyclobenzaprine-D3	7.613	441482	181713	2.4296	105.2178
Methadone	Methadone-D9	7.643	786236	407167	1.9310	103.4225
Fluoxetine	Fluoxetine-D6	7.685	1124562	496510	2.2649	98.0647
Buprenorphine	Buprenorphine-D4	7.696	18143	77441	0.2343	9.1874
Oxazepam	Oxazepam-D5	7.710	62862	26210	2.3984	100.3035
Sertraline	Sertraline-D3	7.746	304102	134038	2.2688	96.0804

**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>
Temazepam	Temazepam-D5	7.768	389706	200184	1.9467	91.7301
Nordiazepam	Nordiazepam-D5	7.836	116902	31399	3.7231	101.0929
Diazepam	Diazepam-D5	7.891	510829	187820	2.7198	102.5527

*BD*

# ISP FORENSICS - Cd'A Instrument # 62340

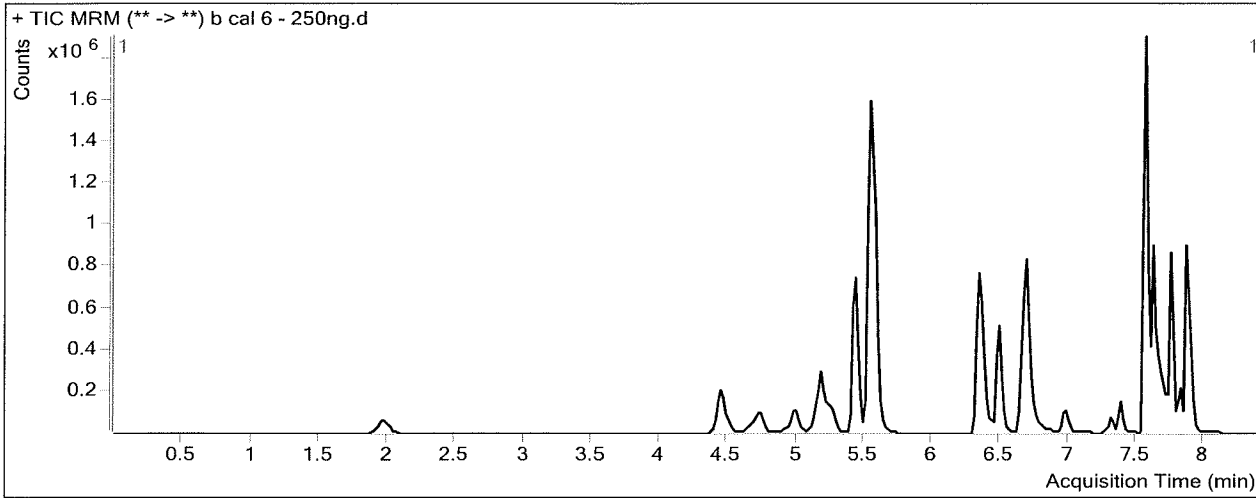
## Multi-Drug Confirmatory Analysis Report

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**Report Time** 2/15/2017 12:22 PM **Reporter Name** ISP Tox  
**Last Calib Update** 2/15/2017 12:18 PM **Batch State** Processed

### Analysis Info

**Acq Time** 2017-02-13 18:15 **Data File** b cal 6 - 250ng.d  
**Sample Type** Calibration **Sample Name** b cal 6 - 250ng  
**Dilution** 1 **Acq Method** Quant Panel 1b 11-18-2016.m  
**Position** P1-F1 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28 Panel 1 Confirmation

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.968	251972	40381	6.2399	260.8942
Dihydrocodeine	Dihydrocodeine-D6	4.457	520625	91318	5.7012	264.0737
Naloxone	Naloxone-D5	4.733	350247	79113	4.4272	254.3739
Noroxycodone	Noroxycodone-D3	4.997	325929	48461	6.7256	283.2632
Naltrexone	Naltrexone-D3	5.172	529479	91168	5.8077	275.5137
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.284	220998	362105	0.6103	25.3149
Naltrexol	Naltrexol-D3	5.430	1704441	242936	7.0160	261.8984
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.559	4424270	718722	6.1557	266.5405
Ketamine	Ketamine-D4	6.341	1641481	244173	6.7226	278.8980
Norfentanyl	Norfentanyl-D5	6.384	289976	454533	0.6380	26.3721
alpha-PVP	alpha-PVP-d8	6.688	2253844	335489	6.7181	267.3801
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.981	98361	199250	0.4937	25.7805
Norbuprenorphine	Norbuprenorphine-D3	7.255	2362	4688	0.5039	24.5109
Fentanyl	Fentanyl-D5	7.299	65309	104246	0.6265	27.0470
EDDP	EDDP-D3	7.390	265254	45189	5.8699	251.0047
Sufentanil	Sufentanil-D5	7.559	38564	61230	0.6298	26.8453
Quetiapine	Quetiapine-D8	7.560	2928170	130290	22.4742	286.1479
Cyclobenzaprine	Cyclobenzaprine-D3	7.613	218350	36107	6.0474	261.7927
Methadone	Methadone-D9	7.623	825322	156528	5.2727	283.2961
Fluoxetine	Fluoxetine-D6	7.665	487149	80673	6.0386	262.3111
Buprenorphine	Buprenorphine-D4	7.696	17364	26260	0.6612	25.8106
Oxazepam	Oxazepam-D5	7.710	138480	24893	5.5630	233.0264
Sertraline	Sertraline-D3	7.746	135818	21576	6.2948	266.0763

**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>
Temazepam	Temazepam-D5	7.748	1080369	189930	5.6883	267.7805
Nordiazepam	Nordiazepam-D5	7.836	272851	27729	9.8401	268.7027
Diazepam	Diazepam-D5	7.871	1207305	165638	7.2888	271.3794





# ISP FORENSICS - Cd'A Instrument # 62340

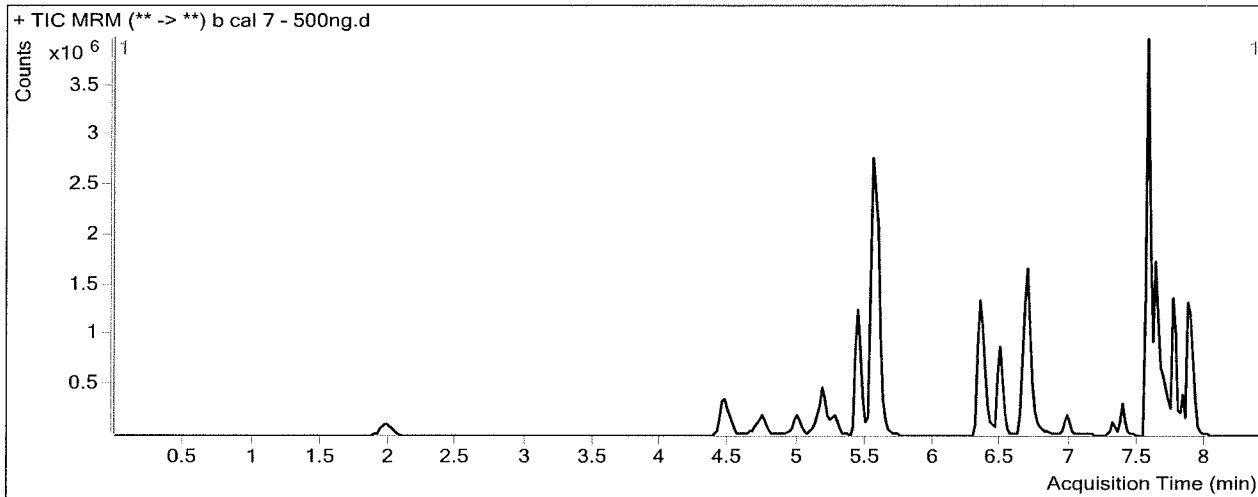
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1b mdq.batch.bin		
<b>Analysis Time</b>	2/15/2017 12:18 PM	<b>Analyst Name</b>	ISP Tox
<b>Report Time</b>	2/15/2017 12:22 PM	<b>Reporter Name</b>	ISP Tox
<b>Last Calib Update</b>	2/15/2017 12:18 PM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2017-02-13 18:41	<b>Data File</b>	b cal 7 - 500ng.d
<b>Sample Type</b>	Calibration	<b>Sample Name</b>	b cal 7 - 500ng
<b>Dilution</b>	1	<b>Acq Method</b>	Quant Panel 1b 11-18-2016.m
<b>Position</b>	P1-G1	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	AM 28 Panel 1 Confirmation

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.989	485828	39675	12.2452	511.5198
Dihydrocodeine	Dihydrocodeine-D6	4.477	993792	95948	10.3576	479.9044
Naloxone	Naloxone-D5	4.733	699355	80470	8.6908	497.9107
Noroxycodone	Noroxycodone-D3	4.997	614709	52041	11.8120	497.3115
Naltrexone	Naltrexone-D3	5.172	929766	88319	10.5274	499.8628
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.284	441504	365091	1.2093	50.0655
Naltrexol	Naltrexol-D3	5.430	2998252	232309	12.9063	481.9823
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.559	8271099	716751	11.5397	500.5376
Ketamine	Ketamine-D4	6.341	3080405	253200	12.1659	505.6842
Norfentanyl	Norfentanyl-D5	6.384	545663	450523	1.2112	49.9117
alpha-PVP	alpha-PVP-d8	6.688	4444259	361115	12.3070	489.6207
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.981	228745	236357	0.9678	50.5391
Norbuprenorphine	Norbuprenorphine-D3	7.255	5083	4380	1.1605	58.6883
Fentanyl	Fentanyl-D5	7.299	139600	118162	1.1814	51.0406
EDDP	EDDP-D3	7.390	512968	43788	11.7147	500.0952
Sufentanil	Sufentanil-D5	7.559	86612	76823	1.1274	48.0074
Quetiapine	Quetiapine-D8	7.560	6018710	154670	38.9133	495.7217
Cyclobenzaprine	Cyclobenzaprine-D3	7.613	516904	46476	11.1220	481.4170
Methadone	Methadone-D9	7.623	1775870	187364	9.4782	509.6652
Fluoxetine	Fluoxetine-D6	7.685	985627	87578	11.2543	489.3255
Buprenorphine	Buprenorphine-D4	7.696	30550	22999	1.3283	51.7829
Oxazepam	Oxazepam-D5	7.710	297446	21555	13.7997	578.4737
Sertraline	Sertraline-D3	7.746	265459	21870	12.1378	512.7942

**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>
Temazepam	Temazepam-D5	7.748	1990620	182314	10.9186	513.8863
Nordiazepam	Nordiazepam-D5	7.836	495277	26135	18.9507	518.3402
Diazepam	Diazepam-D5	7.871	2059348	152968	13.4626	499.5024



# ISP FORENSICS - Cd'A Instrument # 62340

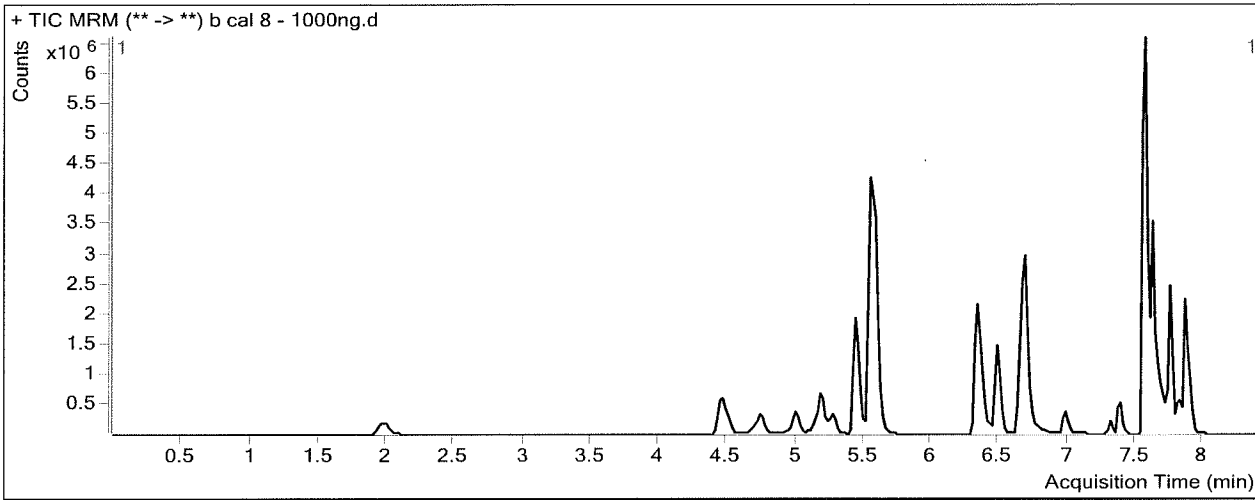
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	D:\2017 Data\2-13-17 BAW AM 28 MDQ Panel 1\QuantResults\2-13-17 panel 1b mdq.batch.bin		
<b>Analysis Time</b>	2/15/2017 12:18 PM	<b>Analyst Name</b>	ISP Tox
<b>Report Time</b>	2/15/2017 12:22 PM	<b>Reporter Name</b>	ISP Tox
<b>Last Calib Update</b>	2/15/2017 12:18 PM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2017-02-13 19:06	<b>Data File</b>	b cal 8 - 1000ng.d
<b>Sample Type</b>	Calibration	<b>Sample Name</b>	b cal 8 - 1000ng
<b>Dilution</b>	1	<b>Acq Method</b>	Quant Panel 1b 11-18-2016.m
<b>Position</b>	P1-H1	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	AM 28 Panel 1 Confirmation

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.989	890898	38095	23.3861	976.4782
Dihydrocodeine	Dihydrocodeine-D6	4.477	1661743	90449	18.3722	851.3909
Naloxone	Naloxone-D5	4.733	1254708	74459	16.8510	964.0084
Noroxycodone	Noroxycodone-D3	4.997	1064516	46203	23.0399	969.8083
Naltrexone	Naltrexone-D3	5.172	1440130	70498	20.4280	970.4896
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.284	830108	342016	2.4271	100.3867
Naltrexol	Naltrexol-D3	5.430	4868112	202188	24.0772	899.3669
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.559	14134290	629799	22.4425	974.3958
Ketamine	Ketamine-D4	6.341	5263812	229893	22.8968	952.7715
Norfentanyl	Norfentanyl-D5	6.384	989519	409220	2.4181	99.4736
alpha-PVP	alpha-PVP-d8	6.688	8209067	330768	24.8182	987.1163
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.981	496727	263666	1.8839	98.3771
Norbuprenorphine	Norbuprenorphine-D3	7.255	8029	4459	1.8004	91.9966
Fentanyl	Fentanyl-D5	7.299	252294	112529	2.2420	96.8980
EDDP	EDDP-D3	7.390	1134709	52505	21.6115	921.8701
Sufentanil	Sufentanil-D5	7.539	175362	73946	2.3715	100.9140
Quetiapine	Quetiapine-D8	7.560	11776168	155207	75.8737	966.9112
Cyclobenzaprine	Cyclobenzaprine-D3	7.613	1141883	49355	23.1363	1001.3864
Methadone	Methadone-D9	7.623	3429879	194137	17.6673	950.4629
Fluoxetine	Fluoxetine-D6	7.665	1683199	78284	21.5012	935.3194
Buprenorphine	Buprenorphine-D4	7.696	46235	18471	2.5031	97.5197
Oxazepam	Oxazepam-D5	7.710	537536	24072	22.3299	936.2286
Sertraline	Sertraline-D3	7.726	514205	22249	23.1113	976.1450

**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>
Temazepam	Temazepam-D5	7.748	3234335	156424	20.6767	973.0342
Nordiazepam	Nordiazepam-D5	7.836	794343	22740	34.9317	956.2298
Diazepam	Diazepam-D5	7.871	3253827	123182	26.4149	978.0926