











**Worklist: 2077**

<u>LAB_CASE</u>	<u>ITEM</u>	<u>TASK_ID</u>	<u>DESCRIPTION</u>	
M2017-1827	1	102263	AM 28 Blood Multi-Drug Quant	
M2017-2363	2	102296	AM 28 Blood Multi-Drug Quant	
M2017-2620	1	102265	AM 28 Blood Multi-Drug Quant	
M2017-2634	1	102271	AM 28 Blood Multi-Drug Quant	
M2017-3016	1	102267	AM 28 Blood Multi-Drug Quant	
M2017-3244	1	102454	AM 28 Blood Multi-Drug Quant	
M2017-3249	1	102276	AM 28 Blood Multi-Drug Quant	
M2017-3323	1	102300	AM 28 Blood Multi-Drug Quant	
M2017-3324	1	102302	AM 28 Blood Multi-Drug Quant	
M2017-3519	3	102295	AM 28 Blood Multi-Drug Quant	
M2017-3775	1	102264	AM 28 Blood Multi-Drug Quant	
M2017-3896	1	102268	AM 28 Blood Multi-Drug Quant	
M2017-3943	1	102273	AM 28 Blood Multi-Drug Quant	
M2017-4078	1	102266	AM 28 Blood Multi-Drug Quant	
M2017-4285	1	102458	AM 28 Blood Multi-Drug Quant	
P2017-0663	1	102294	AM 28 Blood Multi-Drug Quant	
P2017-1102	1	102298	AM 28 Blood Multi-Drug Quant	
P2017-1413	1	102269	AM 28 Blood Multi-Drug Quant	
P2017-1464	1	102275	AM 28 Blood Multi-Drug Quant	
P2017-1503	1	102279	AM 28 Blood Multi-Drug Quant	
P2017-1511	2	102304	AM 28 Blood Multi-Drug Quant	
P2017-1522	1	102281	AM 28 Blood Multi-Drug Quant	
P2017-1555	1	102272	AM 28 Blood Multi-Drug Quant	

**Worklist: 2077**

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>	
P2017-1576	1	102278	AM 28 Blood Multi-Drug Quant	
P2017-1588	1	102309	AM 28 Blood Multi-Drug Quant	
P2017-1626	1	102280	AM 28 Blood Multi-Drug Quant	
P2017-1627	1	102274	AM 28 Blood Multi-Drug Quant	
P2017-1637	1	102282	AM 28 Blood Multi-Drug Quant	
P2017-1715	1	102301	AM 28 Blood Multi-Drug Quant	
P2017-1802	1	102306	AM 28 Blood Multi-Drug Quant	
P2017-1807	2	102303	AM 28 Blood Multi-Drug Quant	
P2017-1844	1	102307	AM 28 Blood Multi-Drug Quant	
P2017-1889	1	102308	AM 28 Blood Multi-Drug Quant	
P2017-1911	1	102305	AM 28 Blood Multi-Drug Quant	
P2017-2087	1	102284	AM 28 Blood Multi-Drug Quant	
P2017-2090	1	102286	AM 28 Blood Multi-Drug Quant	
P2017-2092	1	102283	AM 28 Blood Multi-Drug Quant	
P2017-2093	4	102289	AM 28 Blood Multi-Drug Quant	
P2017-2137	2	102285	AM 28 Blood Multi-Drug Quant	
P2017-2161	1	102287	AM 28 Blood Multi-Drug Quant	
P2017-2172	1	102291	AM 28 Blood Multi-Drug Quant	
P2017-2227	1	102290	AM 28 Blood Multi-Drug Quant	
P2017-2228	1	102293	AM 28 Blood Multi-Drug Quant	
P2017-2231	1	102292	AM 28 Blood Multi-Drug Quant	
P2017-2253	2	102277	AM 28 Blood Multi-Drug Quant	
P2017-2254	1	102288	AM 28 Blood Multi-Drug Quant	

**Worklist: 2077**

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>
P2017-2265	1	102297	AM 28 Blood Multi-Drug Quant
P2017-2266	1	102299	AM 28 Blood Multi-Drug Quant



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

Extraction Date: 12/12/17  
Plate lot#: 0498367

Analyst: CS  
Plate Expiration: 1/26/18

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

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

**Blank Blood Lot:** 3613312      **Column:** Agilent 120 EC-C18 (2.1x 100-4um)  
**LCMS-QQQ ID:** 59740

## Pre-Analytic:

- 1. Check levels of mobile phases and needle wash refill as needed. Ensure waste is not full.
- 2. Ensure correct column is installed and begin mobile phase flow allow to equilibrate ~ 30 minutes.
- 3. Create worklist: 2: \mass Hunter\ISP methods\worklists\MDQ Panel 1 12-12-17 CS

## Analytic:

- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. Pipette **250µL blood (calibrated pipette) Pipette ID: 3** in wells of analytical (standards) plate.
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes. *Shaker ID: 067105*
- 4. Pipette **250µL 0.5M ammonium hydroxide** in wells of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 6. Transfer **300µL of blood+base mixture** to corresponding wells of SLE+ plate.
- 7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent).  
*(Load at 85-100 PSI- Selector to the right) Manifold ID: 067103*
- 8. Wait 5 minutes.
- 9. Add **900uL ethyl acetate**.
- 10. Wait 5 minutes.
- 11. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left)*.
- 12. Add **900uL ethyl acetate**.
- 13. Wait 5 minutes.
- 14. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left)*.
- 15. Remove plate containing eluate. Place on SPE Dry and evaporate to dryness at approx. 35°C.  
*SPE Dry ID: 067104*
- 16. Reconstitute in **100µL 20% MeOH** and heat seal plate with foil. Place in autosampler and run worklist.

## Post-Analytic

- 1. Create batch and process data.  
Worklist path: above      Batch Name: MDQ Panel 1a 12-12-17 CS  
MDQ Panel 1b 12-12-17 CS
- 2. Make necessary changes to integration limits
- 3. Integration linear and  $r^2$  values  $\geq 0.98$  for each analyte.
- 4. For unknown samples and controls: response ratio within 20% of average of controls and standards, RT within +/- 5%, S/N for primary and secondary transitions  $> 10$ .
- 5. Did all QCs pass for each analyte? Y / N \_\_\_\_\_
- 6. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

## COMMENTS:

Not evaluated: Bupropion, Buprenorphine, Norbuprenorphine.  
 Norhydrocodone: 10-1000  
 Promethazine: 10-1000  
 Clonazepam: 10-1000  
 $\alpha$ -hydroxyl prazosin: 5-500  
 Lorazepam: 5-250  
 Norfentanyl: 1-100  
 EDDP: 10-1000  
 Cyclobenzaprine: 10-1000  
 Diazepam: 10-1000  
 Fentanyl: 1-100

QC 10 not evaluated for Carisoprodol (top of peak cut off).  
 Fluoxetine: 25-1000 CS  
 Oxazepam 10-1000

Toxicology AM method 28 panel 1 external prep information

Working Solution 10000 ng/ml in MeOH trazodone, ketamine, morphine, quetiapine

Stock Solution 1mg/ml 100 ul each in 9600 ul MeOH (Fisher Lot # 172516)

Prepared: 12/12/17 Expires: ~~06/12/17~~ By: TNS

06/12/18

Expiration

Drug	Lot	Expiration
Trazodone	FN12151403	1/1/2020
Ketamine	FE01131504	2/1/2020
Morphine	FE08141515	11/1/2020
Quetiapine	FN02021502	2/1/2020

AM 28 control 50 ul working solution lot (WS121217) in 9950ul blood (Hemostat Lot# 361331-2)

Prepared: 12/12/17 Expires: ~~06/12/17~~ By: TNS

06/12/18

# ISP FORENSICS - Pocatello Instrument # 59740

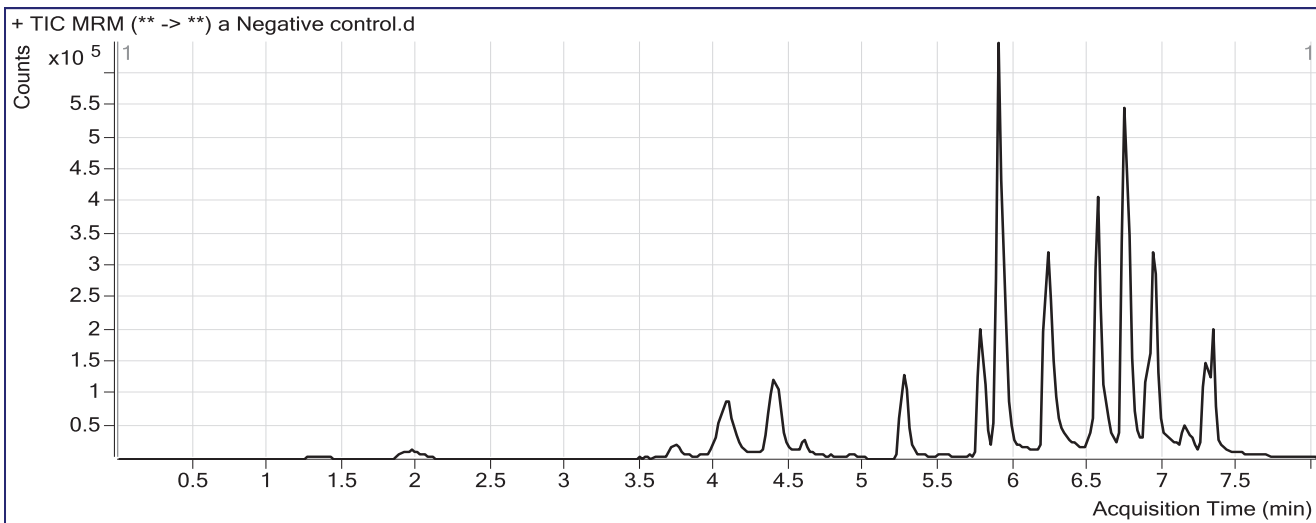
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** C:\MassHunter\Data\2017\MD Quant\12-12-17 Panel 1 CS\QuantResults\MDQ Panel 1a 12-12-17  
**Analysis Time** 12/21/2017 10:25 AM **Analyst Name** ISPUser  
**Report Time** 12/21/2017 11:31 AM **Reporter Name** ISPUser  
**Last Calib Update** 12/21/2017 10:25 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2017-12-13 02:28 **Data File** a Negative control.d  
**Sample Type** Sample **Sample Name** a Negative control  
**Dilution** 1 **Acq Method** MD Quant Panel 1a 12-12-17.m  
**Position** P1-F2 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28

### Sample Chromatogram



# ISP FORENSICS - Pocatello Instrument # 59740

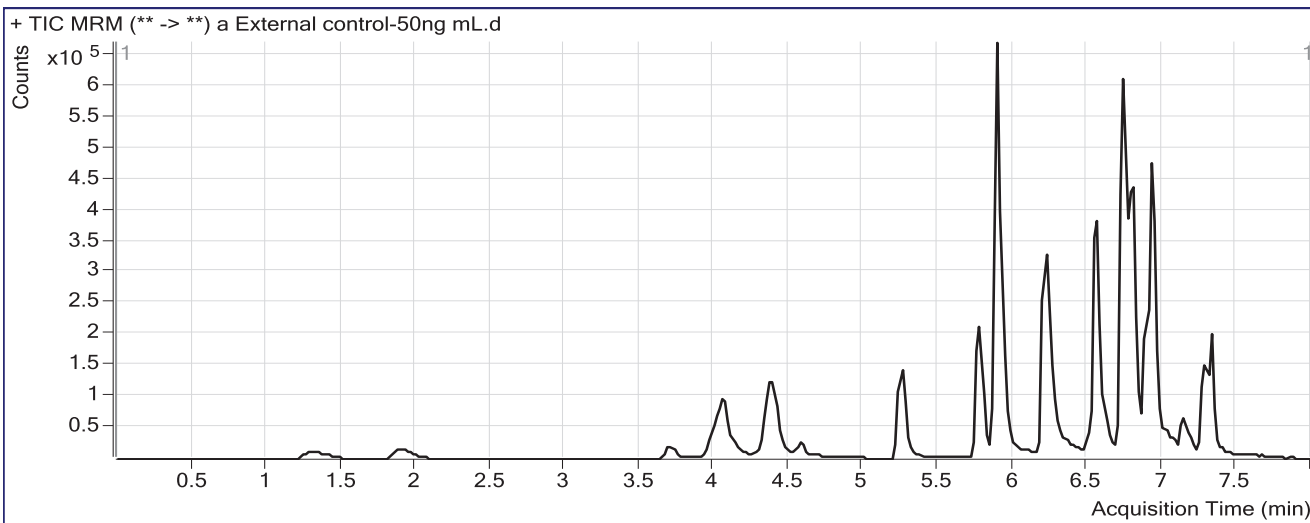
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** C:\MassHunter\Data\2017\MD Quant\12-12-17 Panel 1 CS\QuantResults\MDQ Panel 1a 12-12-17 CS.batch.bin  
**Analysis Time** 12/21/2017 10:25 AM **Analyst Name** ISPUser  
**Report Time** 12/21/2017 11:31 AM **Reporter Name** ISPUser  
**Last Calib Update** 12/21/2017 10:25 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2017-12-13 02:59 **Data File** a External control-50ng mL.d  
**Sample Type** Sample **Sample Name** a External control-50ng mL  
**Dilution** 1 **Acq Method** MD Quant Panel 1a 12-12-17.m  
**Position** P1-G2 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28; WS121217 50 ng trazodone, ketamine, morphine, quetiapine

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.308	50465	30940	1.6311	48.2928
Trazodone	Trazodone-D6	6.793	586374	402482	1.4569	47.4118

# ISP FORENSICS - Pocatello Instrument # 59740

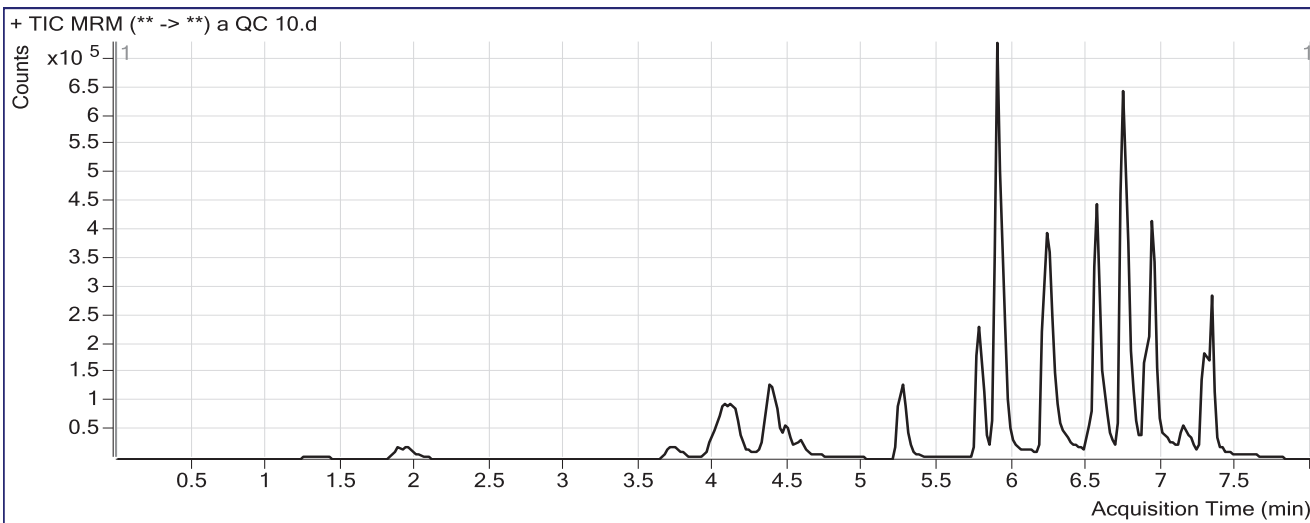
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** C:\MassHunter\Data\2017\MD Quant\12-12-17 Panel 1 CS\QuantResults\MDQ Panel 1a 12-12-17 CS.batch.bin  
**Analysis Time** 12/21/2017 10:25 AM **Analyst Name** ISPUser  
**Report Time** 12/21/2017 11:31 AM **Reporter Name** ISPUser  
**Last Calib Update** 12/21/2017 10:25 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2017-12-13 03:31 **Data File** a QC 10.d  
**Sample Type** QC **Sample Name** a QC 10  
**Dilution** 1 **Acq Method** MD Quant Panel 1a 12-12-17.m  
**Position** P1-A2 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.308	9586	30473	0.3146	10.6318
Hydromorphone	Hydromorphone-D6	1.949	31064	113782	0.2730	9.6086
Codeine	Codeine-D6	3.752	12671	52334	0.2421	10.6059
Oxycodone	Oxycodone-D6	4.106	87811	353584	0.2483	10.0341
Amphetamine	Amphetamine-D11	4.143	172208	223309	0.7712	10.0910
Hydrocodone	Hydrocodone-D6	4.391	31739	201682	0.1574	9.6095
Norhydrocodone	Norhydrocodone-D3	4.415	1241	38577	0.0322	11.0816
Methamphetamine	Methamphetamine-D11	4.500	147878	406300	0.3640	10.0972
6-MAM	6-MAM-D6	4.587	1321	63509	0.0208	1.0742
Phentermine	Phentermine-D5	5.303	55604	450155	0.1235	10.9348
Dextrophan	Dextrophan-D3	5.781	63087	556407	0.1134	10.4133
7-aminoclonazepam	7-Aminoclonazepam-D4	5.890	45350	179763	0.2523	9.5555
Tramadol	Tramadol-13C-D3	5.919	443203	1928667	0.2298	10.2478
Doxylamine	Doxylamine-D5	6.241	316659	1362415	0.2324	9.9043
Zolpidem	Zolpidem-D6	6.576	237830	1247303	0.1907	9.4714
Meprobamate	Meprobamate-D7	6.591	19427	71955	0.2700	9.8341
Venlafaxine	Venlafaxine-D6	6.741	318102	1341040	0.2372	10.6804
Trazodone	Trazodone-D6	6.793	77573	292674	0.2650	9.5446
Citalopram	Citalopram-D6	6.876	64993	344283	0.1888	9.4513
Dextromethorphan	Dextromethorphan-D3	6.927	21613	80697	0.2678	10.0100



# ISP FORENSICS - Pocatello Instrument # 59740

## Multi-Drug Confirmatory Analysis Report

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Diphenhydramine	Diphenhydramine-D3	6.930	166783	805357	0.2071	10.7580
Promethazine	Promethazine-D3	7.146	25039	98526	0.2541	11.0222
Clonazepam	Clonazepam-D4	7.181	14883	11707	1.2713	13.7070
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.259	7794	34650	0.2249	10.5254
<del>Carisoprodol</del>	<del>Carisoprodol-D7</del>	<del>7.310</del>	<del>45384</del>	<del>303805</del>	<del>0.1494</del>	<del>6.3049</del> *
Lorazepam	Alprazolam-D5	7.301	7638	406291	0.0188	9.5177
Alprazolam	Alprazolam-D5	7.325	134351	406291	0.3307	10.3173

\*Not evaluated due to the top of the peak being cut off. CS

# ISP FORENSICS - Pocatello Instrument # 59740

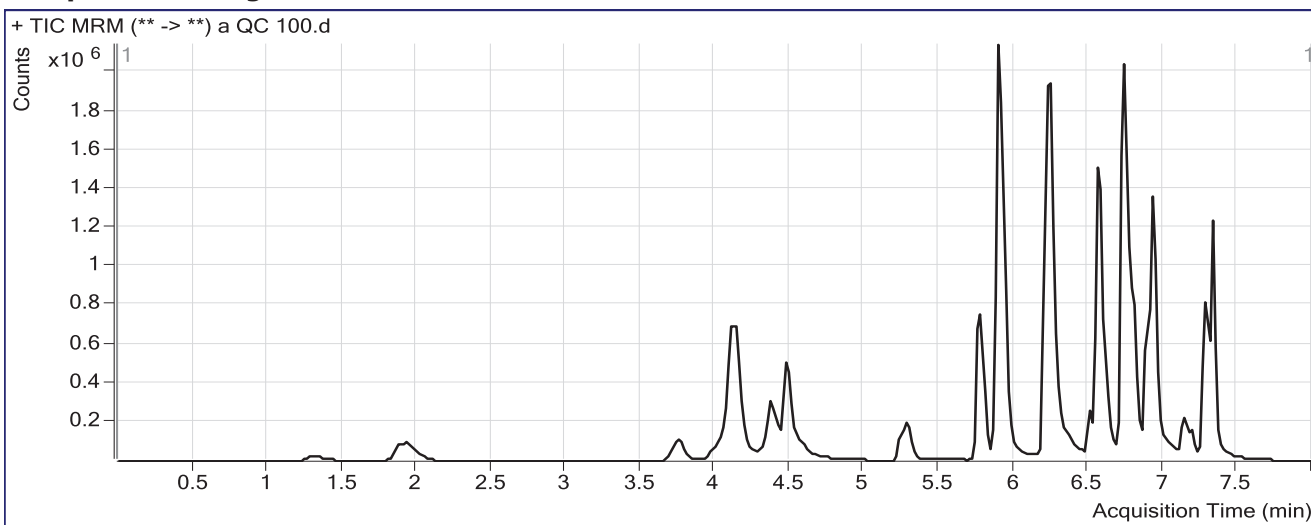
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	C:\MassHunter\Data\2017\MD Quant\12-12-17 Panel 1 CS\QuantResults\MDQ Panel 1a 12-12-17 CS.batch.bin		
<b>Analysis Time</b>	12/21/2017 10:25 AM	<b>Analyst Name</b>	ISPUser
<b>Report Time</b>	12/21/2017 11:33 AM	<b>Reporter Name</b>	ISPUser
<b>Last Calib Update</b>	12/21/2017 10:25 AM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2017-12-13 07:30	<b>Data File</b>	a QC 100.d
<b>Sample Type</b>	QC	<b>Sample Name</b>	a QC 100
<b>Dilution</b>	1	<b>Acq Method</b>	MD Quant Panel 1a 12-12-17.m
<b>Position</b>	P1-B2	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	AM 28

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.308	98703	30611	3.2245	93.8750
Hydromorphone	Hydromorphone-D6	1.929	349368	114957	3.0391	98.0361
Codeine	Codeine-D6	3.752	140605	54106	2.5987	101.8286
Oxycodone	Oxycodone-D6	4.106	1049707	391085	2.6841	101.1787
Amphetamine	Amphetamine-D11	4.143	1657835	211405	7.8420	125.8583
Hydrocodone	Hydrocodone-D6	4.371	387209	225605	1.7163	102.1752
Norhydrocodone	Norhydrocodone-D3	4.415	13016	38722	0.3361	91.1601
Methamphetamine	Methamphetamine-D11	4.479	1640004	462937	3.5426	96.0290
6-MAM	6-MAM-D6	4.587	15160	64179	0.2362	9.8472
Phentermine	Phentermine-D5	5.303	527720	449199	1.1748	104.0334
Dextrophan	Dextrophan-D3	5.781	697786	621579	1.1226	93.7463
7-aminoclonazepam	7-Aminoclonazepam-D4	5.871	517623	212290	2.4383	101.9885
Tramadol	Tramadol-13C-D3	5.919	4729604	2124715	2.2260	97.4275
Doxylamine	Doxylamine-D5	6.241	3620748	1524180	2.3755	95.9824
Zolpidem	Zolpidem-D6	6.576	2774011	1424517	1.9473	101.3723
Meprobamate	Meprobamate-D7	6.591	229225	73492	3.1190	99.8655
Venlafaxine	Venlafaxine-D6	6.741	3442405	1492958	2.3058	87.5817
Trazodone	Trazodone-D6	6.793	994347	327785	3.0335	97.5043
Citalopram	Citalopram-D6	6.876	739790	327655	2.2578	103.4454
Dextromethorphan	Dextromethorphan-D3	6.906	246141	86535	2.8444	101.1526

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# ISP FORENSICS - Pocatello Instrument # 59740

## Multi-Drug Confirmatory Analysis Report

Panel 1a QC 100

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Diphenhydramine	Diphenhydramine-D3	6.930	1619111	889780	1.8197	89.6003
Promethazine	Promethazine-D3	7.146	336258	127156	2.6444	97.4635
Clonazepam	Clonazepam-D4	7.181	168886	13879	12.1682	112.4136
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.259	87711	38973	2.2505	94.0604
Carisoprodol	Carisoprodol-D7	7.290	775153	290330	2.6699	113.2994
Lorazepam	Alprazolam-D5	7.301	96639	415019	0.2329	91.0076
Alprazolam	Alprazolam-D5	7.325	1411880	415019	3.4020	100.4467

# ISP FORENSICS - Pocatello Instrument # 59740

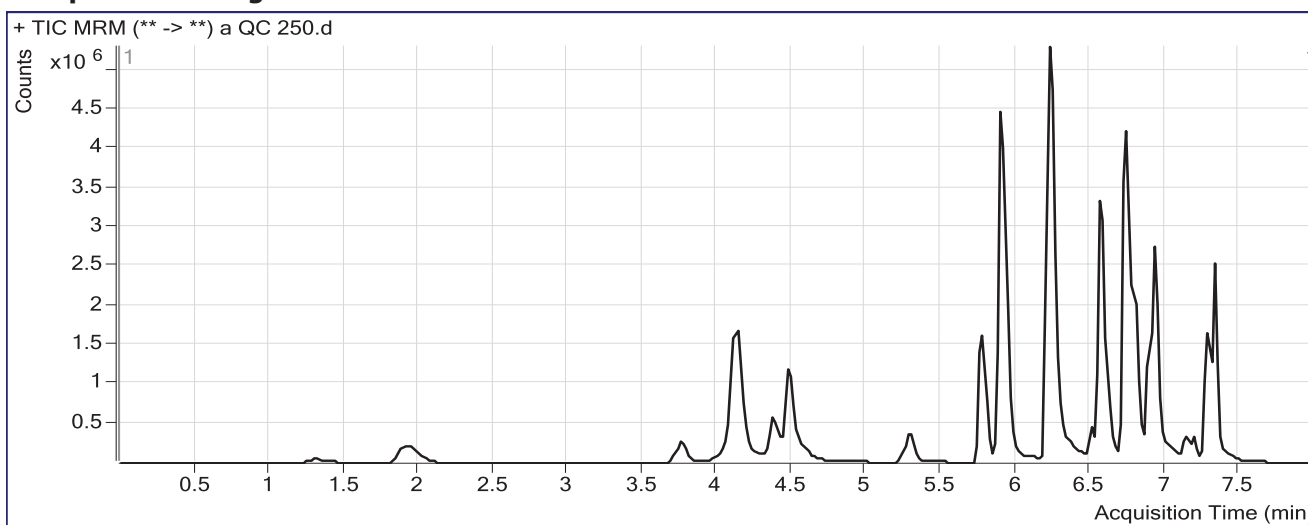
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	C:\MassHunter\Data\2017\MD Quant\12-12-17 Panel 1 CS\QuantResults\MDQ Panel 1a 12-12-17 CS.batch.bin		
<b>Analysis Time</b>	12/21/2017 10:25 AM	<b>Analyst Name</b>	ISPUser
<b>Report Time</b>	12/21/2017 11:35 AM	<b>Reporter Name</b>	ISPUser
<b>Last Calib Update</b>	12/21/2017 10:25 AM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2017-12-13 11:14	<b>Data File</b>	a QC 250.d
<b>Sample Type</b>	QC	<b>Sample Name</b>	a QC 250
<b>Dilution</b>	1	<b>Acq Method</b>	MD Quant Panel 1a 12-12-17.m
<b>Position</b>	P1-C2	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	AM 28

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.328	248339	27712	8.9614	257.9920
Hydromorphone	Hydromorphone-D6	1.929	900564	111897	8.0481	258.1664
Codeine	Codeine-D6	3.752	346150	49923	6.9337	269.6370
Oxycodone	Oxycodone-D6	4.106	2756364	385898	7.1427	268.0191
Amphetamine	Amphetamine-D11	4.143	3888194	225710	17.2265	279.5067
Hydrocodone	Hydrocodone-D6	4.371	959881	217040	4.4226	262.8670
Norhydrocodone	Norhydrocodone-D3	4.415	32121	35670	0.9005	239.8368
Methamphetamine	Methamphetamine-D11	4.479	4050897	395886	10.2325	276.8834
6-MAM	6-MAM-D6	4.587	37041	64055	0.5783	23.7776
Phentermine	Phentermine-D5	5.303	1341462	427492	3.1380	277.8871
Dextrophan	Dextrophan-D3	5.781	1877373	597808	3.1404	260.3619
7-aminoclonazepam	7-Aminoclonazepam-D4	5.871	1311109	205955	6.3660	268.0679
Tramadol	Tramadol-13C-D3	5.919	12267592	2032245	6.0365	263.8422
Doxylamine	Doxylamine-D5	6.221	8516117	1539466	5.5319	222.7563
Zolpidem	Zolpidem-D6	6.555	7028911	1415437	4.9659	259.2903
Meprobamate	Meprobamate-D7	6.591	568090	70549	8.0525	255.7644
Venlafaxine	Venlafaxine-D6	6.741	9254187	1467871	6.3045	236.2398
Trazodone	Trazodone-D6	6.793	2454394	308978	7.9436	253.5055
Citalopram	Citalopram-D6	6.876	1665670	298628	5.5777	254.2633
Dextromethorphan	Dextromethorphan-D3	6.906	528333	79004	6.6874	237.0941

# ISP FORENSICS - Pocatello Instrument # 59740

## Multi-Drug Confirmatory Analysis Report

Panel 1a QC 250

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Diphenhydramine	Diphenhydramine-D3	6.930	4126681	797668	5.1734	253.5717
Promethazine	Promethazine-D3	7.146	585443	84201	6.9529	253.2722
Clonazepam	Clonazepam-D4	7.181	426932	16602	25.7164	235.1355
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.259	202543	35553	5.6969	236.1873
Carisoprodol	Carisoprodol-D7	7.290	1773949	255799	6.9349	294.3476
Lorazepam	Alprazolam-D5	7.301	257663	371230	0.6941	266.5932
Alprazolam	Alprazolam-D5	7.325	3208923	371230	8.6440	254.2795

# ISP FORENSICS - Pocatello Instrument # 59740

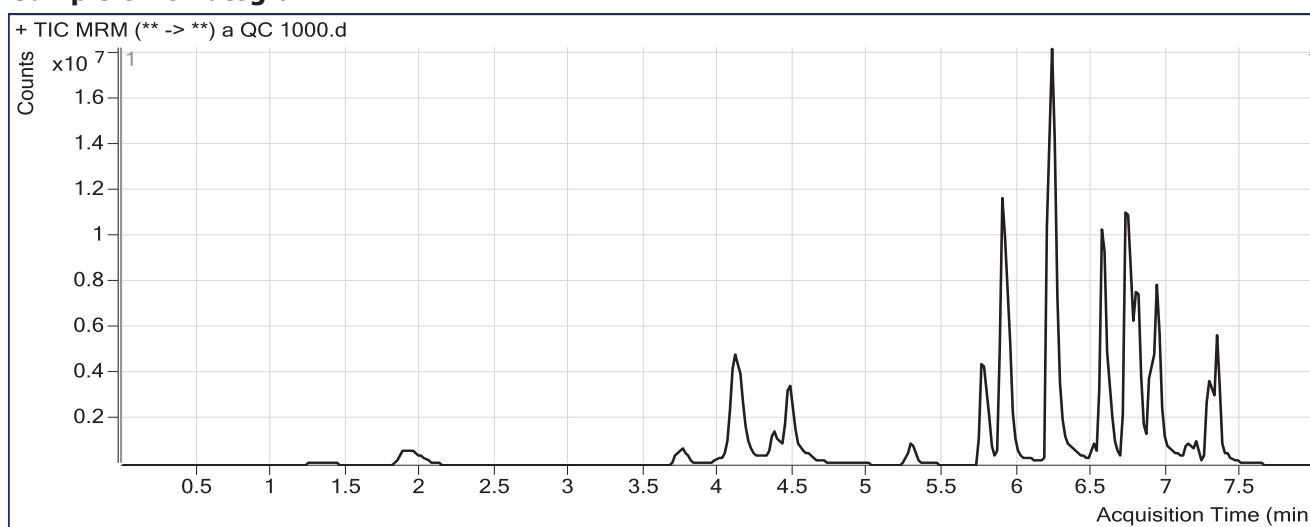
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** C:\MassHunter\Data\2017\MD Quant\12-12-17 Panel 1 CS\QuantResults\MDQ Panel 1a 12-12-17 CS.batch.bin  
**Analysis Time** 12/21/2017 10:25 AM **Analyst Name** ISPUser  
**Report Time** 12/21/2017 11:37 AM **Reporter Name** ISPUser  
**Last Calib Update** 12/21/2017 10:25 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2017-12-13 15:33 **Data File** a QC 1000.d  
**Sample Type** QC **Sample Name** a QC 1000  
**Dilution** 1 **Acq Method** MD Quant Panel 1a 12-12-17.m  
**Position** P1-D2 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.328	779689	21017	37.0972	1062.8681
Hydromorphone	Hydromorphone-D6	1.929	2988281	91639	32.6094	1043.3487
Codeine	Codeine-D6	3.752	936578	38129	24.5636	952.0928
Oxycodone	Oxycodone-D6	4.086	9631832	344797	27.9348	1046.0497
Amphetamine	Amphetamine-D11	4.123	9452320	170723	55.3665	903.9563
Hydrocodone	Hydrocodone-D6	4.371	3034040	189567	16.0051	950.6029
Norhydrocodone	Norhydrocodone-D3	4.415	107305	22571	4.7541	1255.0645
Methamphetamine	Methamphetamine-D11	4.479	12128070	327349	37.0493	1001.8529
6-MAM	6-MAM-D6	4.587	126527	48132	2.6288	107.2874
Phentermine	Phentermine-D5	5.281	3874095	373208	10.3805	919.2682
Dextroprphan	Dextroprphan-D3	5.760	5675690	468526	12.1139	1001.3216
7-aminoclonazepam	7-Aminoclonazepam-D4	5.871	3580886	171503	20.8794	881.7540
Tramadol	Tramadol-13C-D3	5.898	37182468	1674375	22.2068	970.0470
Doxylamine	Doxylamine-D5	6.221	28627418	1349347	21.2158	852.6998
Zolpidem	Zolpidem-D6	6.555	24442657	1109186	22.0366	1152.3543
Meprobamate	Meprobamate-D7	6.591	1627613	47213	34.4736	1090.6850
Venlafaxine	Venlafaxine-D6	6.721	30198529	1127565	26.7821	997.5202
Trazodone	Trazodone-D6	6.793	9454518	292196	32.3567	1029.1547
Citalopram	Citalopram-D6	6.876	5576935	230166	24.2300	1101.6080
Dextromethorphan	Dextromethorphan-D3	6.906	1713051	59542	28.7704	1018.2504

CS

# ISP FORENSICS - Pocatello Instrument # 59740

## Multi-Drug Confirmatory Analysis Report

Panel 1a QC 1000

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Diphenhydramine	Diphenhydramine-D3	6.930	13343564	661418	20.1742	986.9868
Promethazine	Promethazine-D3	7.146	1948548	71877	27.1096	982.2020
Clonazepam	Clonazepam-D4	7.181	1549340	13873	111.6798	1013.8079
<del>a-hydroxyalprazolam</del>	<del>a-hydroxyalprazolam-D5</del>	<del>7.259</del>	<del>782084</del>	<del>28506</del>	<del>27.4355</del>	<del>1132.6774</del> outside range of curve CS
Carisoprodol	Carisoprodol-D7	7.290	3667026	162322	22.5910	958.9401
<del>Lorazepam</del>	<del>Alprazolam-D5</del>	<del>7.301</del>	<del>894888</del>	<del>227467</del>	<del>3.9341</del>	<del>1500.0632</del> outside range of curve CS
Alprazolam	Alprazolam-D5	7.325	8251858	227467	36.2771	1065.1951

# ISP FORENSICS - Pocatello Instrument # 59740

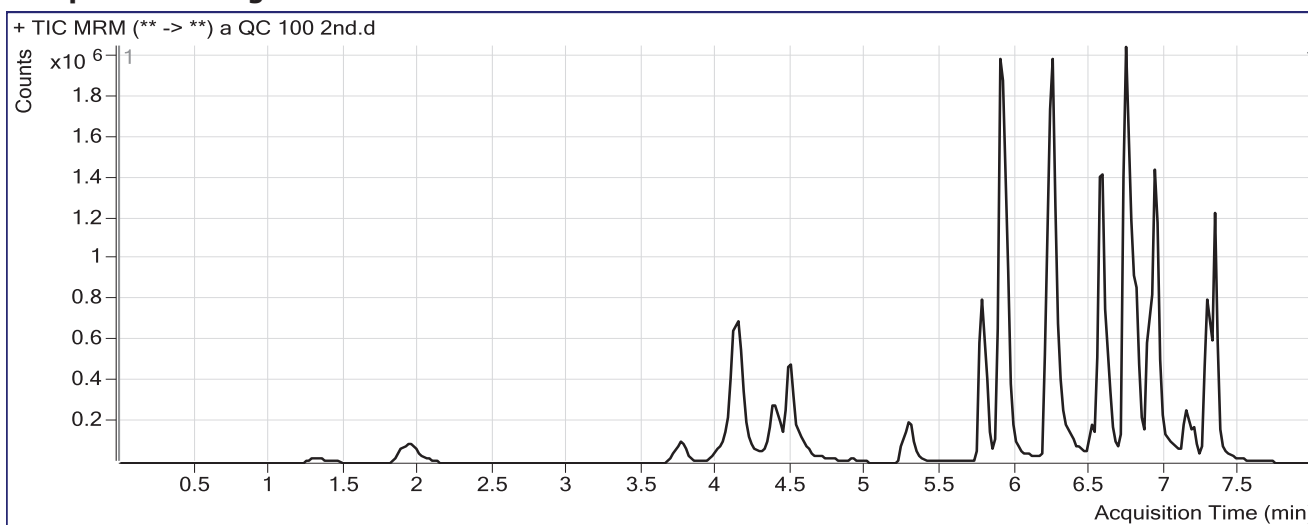
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	C:\MassHunter\Data\2017\MD Quant\12-12-17 Panel 1 CS\QuantResults\MDQ Panel 1a 12-12-17 CS.batch.bin		
<b>Analysis Time</b>	12/21/2017 10:25 AM	<b>Analyst Name</b>	ISPUser
<b>Report Time</b>	12/21/2017 11:41 AM	<b>Reporter Name</b>	ISPUser
<b>Last Calib Update</b>	12/21/2017 10:25 AM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2017-12-14 00:45	<b>Data File</b>	a QC 100 2nd.d
<b>Sample Type</b>	QC	<b>Sample Name</b>	a QC 100 2nd
<b>Dilution</b>	1	<b>Acq Method</b>	MD Quant Panel 1a 12-12-17.m
<b>Position</b>	P1-E2	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	AM 28

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.328	93549	24586	3.8049	110.4799
Hydromorphone	Hydromorphone-D6	1.949	346826	110730	3.1322	101.0116
Codeine	Codeine-D6	3.752	140507	54401	2.5828	101.2132
Oxycodone	Oxycodone-D6	4.106	1027049	366729	2.8006	105.5372
Amphetamine	Amphetamine-D11	4.143	1505070	212566	7.0805	113.3908
Hydrocodone	Hydrocodone-D6	4.391	376514	211920	1.7767	105.7593
Norhydrocodone	Norhydrocodone-D3	4.435	13007	36546	0.3559	96.3654
Methamphetamine	Methamphetamine-D11	4.500	1624963	432247	3.7593	101.8883
6-MAM	6-MAM-D6	4.587	13945	61786	0.2257	9.4189
Phentermine	Phentermine-D5	5.303	574052	496488	1.1562	102.3883
Dextroprphan	Dextroprphan-D3	5.781	758670	624801	1.2143	101.3147
7-aminoclonazepam	7-Aminoclonazepam-D4	5.890	553506	200406	2.7619	115.6736
Tramadol	Tramadol-13C-D3	5.918	4714386	1987478	2.3720	103.8060
Doxylamine	Doxylamine-D5	6.241	3279820	1470048	2.2311	90.1809
Zolpidem	Zolpidem-D6	6.576	2751169	1240588	2.2176	115.5131
Meprobamate	Meprobamate-D7	6.591	230403	69377	3.3210	106.2492
Venlafaxine	Venlafaxine-D6	6.741	3685755	1451792	2.5388	96.2438
Trazodone	Trazodone-D6	6.793	1063726	363114	2.9295	94.1977
Citalopram	Citalopram-D6	6.876	789190	342400	2.3049	105.5824
Dextromethorphan	Dextromethorphan-D3	6.927	278954	96620	2.8871	102.6641



cg

# ISP FORENSICS - Pocatello Instrument # 59740

## Multi-Drug Confirmatory Analysis Report

Panel 1a QC 100 (2nd)

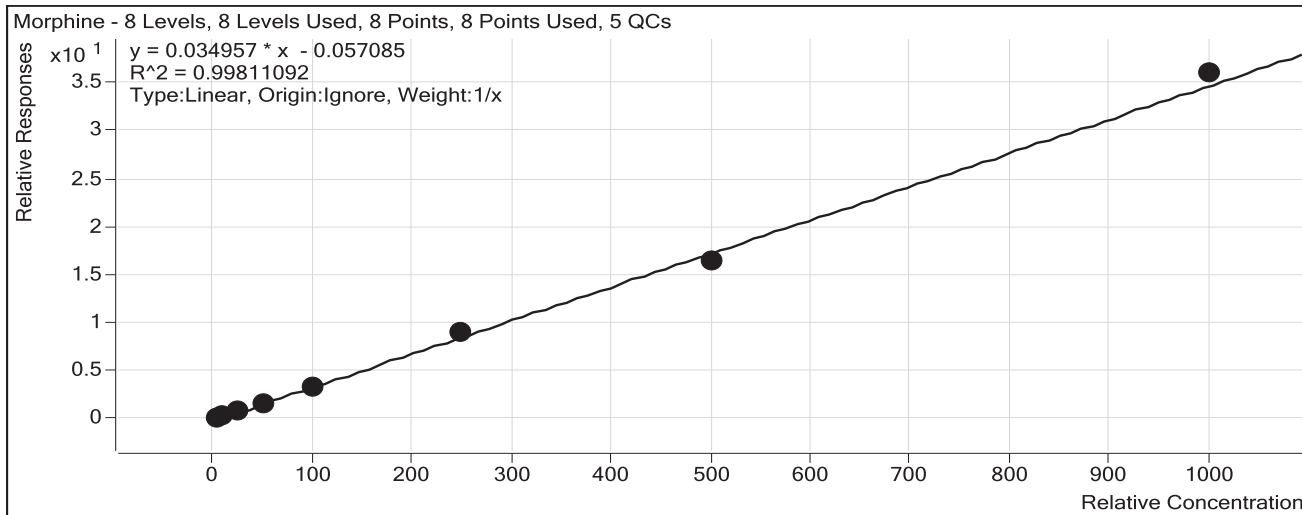
Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Diphenhydramine	Diphenhydramine-D3	6.950	1835990	890321	2.0622	101.4561
Promethazine	Promethazine-D3	7.146	343773	156817	2.1922	81.1086
Clonazepam	Clonazepam-D4	7.181	171329	17491	9.7954	90.9197
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.259	92721	37499	2.4726	103.2200
Carisoprodol	Carisoprodol-D7	7.290	758664	284183	2.6696	113.2878
Lorazepam	Alprazolam-D5	7.301	96027	409697	0.2344	91.5900
Alprazolam	Alprazolam-D5	7.325	1395529	409697	3.4062	100.5723

# ISP Forensics Calibration Curve Report

g

**Batch Data Path** C:\MassHunter\Data\2017\MD Quant\12-12-17 Panel 1 CS\QuantResults\MDQ Panel 1a 12-12-17 CS.batch.bin  
**Last Calib Update** 12/21/2017 10:25 AM **Analyst Name** ISP TOX

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



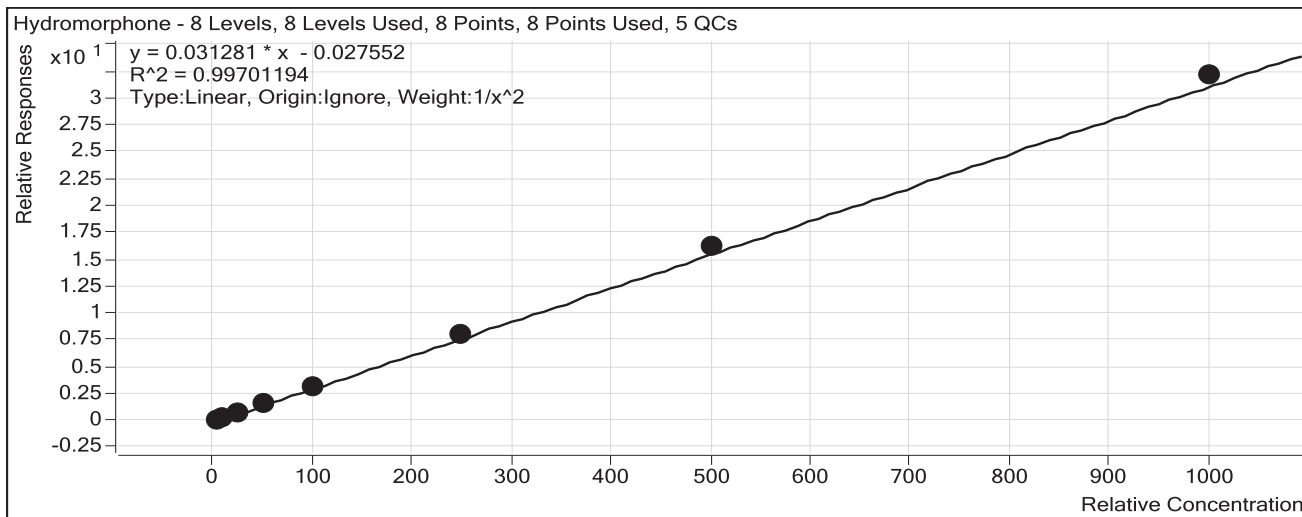
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a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	99.7
a QC 10	2	<input checked="" type="checkbox"/>	10	10.6	106.3
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.7	94.8
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.1	96.2
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.7	97.7
a QC 100	5	<input checked="" type="checkbox"/>	100	93.9	93.9
a QC 100 2nd	5	<input checked="" type="checkbox"/>	100	110.5	110.5
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	255.8	102.3
a QC 250	6	<input checked="" type="checkbox"/>	250	258.0	103.2
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	468.4	93.7
a QC 1000	8	<input checked="" type="checkbox"/>	1000	1062.9	106.3
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1030.7	103.1

# ISP Forensics Calibration Curve Report

CS

**Batch Data Path** C:\MassHunter\Data\2017\MD Quant\12-12-17 Panel 1 CS\QuantResults\MDQ Panel 1a 12-12-17 CS.batch.bin  
**Last Calib Update** 12/21/2017 10:25 AM **Analyst Name** ISP TOX

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



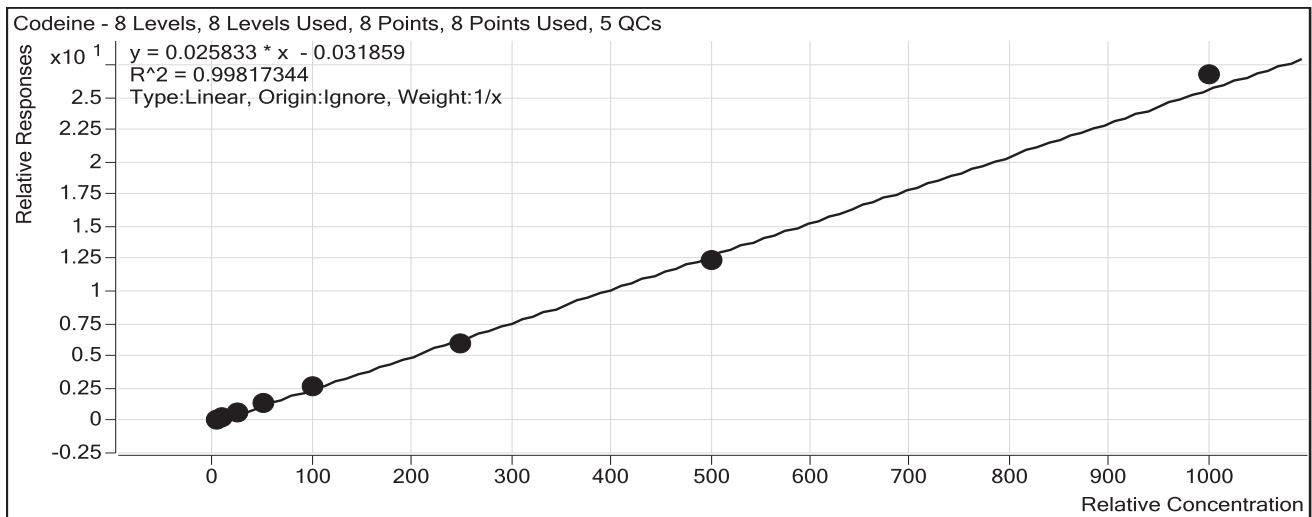
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	104.8
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.3	93.2
a QC 10	2	<input checked="" type="checkbox"/>	10	9.6	96.1
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.3	93.4
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.2	98.4
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.3	99.3
a QC 100	5	<input checked="" type="checkbox"/>	100	98.0	98.0
a QC 100 2nd	5	<input checked="" type="checkbox"/>	100	101.0	101.0
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	259.6	103.8
a QC 250	6	<input checked="" type="checkbox"/>	250	258.2	103.3
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	522.3	104.5
a QC 1000	8	<input checked="" type="checkbox"/>	1000	1043.3	104.3
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1026.8	102.7

# ISP Forensics Calibration Curve Report

CS

**Batch Data Path** C:\MassHunter\Data\2017\MD Quant\12-12-17 Panel 1 CS\QuantResults\MDQ Panel 1a 12-12-17 CS.batch.bin  
**Last Calib Update** 12/21/2017 10:25 AM **Analyst Name** ISP TOX

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



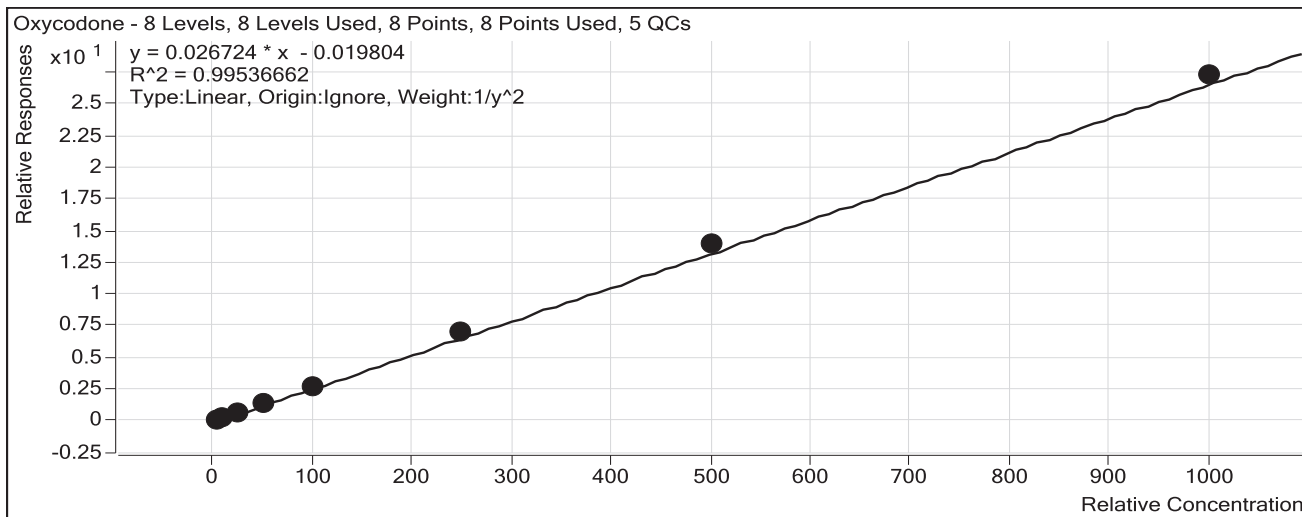
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a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.5	110.5
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	99.1
a QC 10	2	<input checked="" type="checkbox"/>	10	10.6	106.1
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.8	99.1
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.6	99.2
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.2	99.2
a QC 100	5	<input checked="" type="checkbox"/>	100	101.8	101.8
a QC 100 2nd	5	<input checked="" type="checkbox"/>	100	101.2	101.2
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	231.2	92.5
a QC 250	6	<input checked="" type="checkbox"/>	250	269.6	107.9
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	484.2	96.8
a QC 1000	8	<input checked="" type="checkbox"/>	1000	952.1	95.2
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1035.5	103.6

# ISP Forensics Calibration Curve Report

cg

**Batch Data Path** C:\MassHunter\Data\2017\MD Quant\12-12-17 Panel 1 CS\QuantResults\MDQ Panel 1a 12-12-17 CS.batch.bin  
**Last Calib Update** 12/21/2017 10:25 AM **Analyst Name** ISP TOX

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



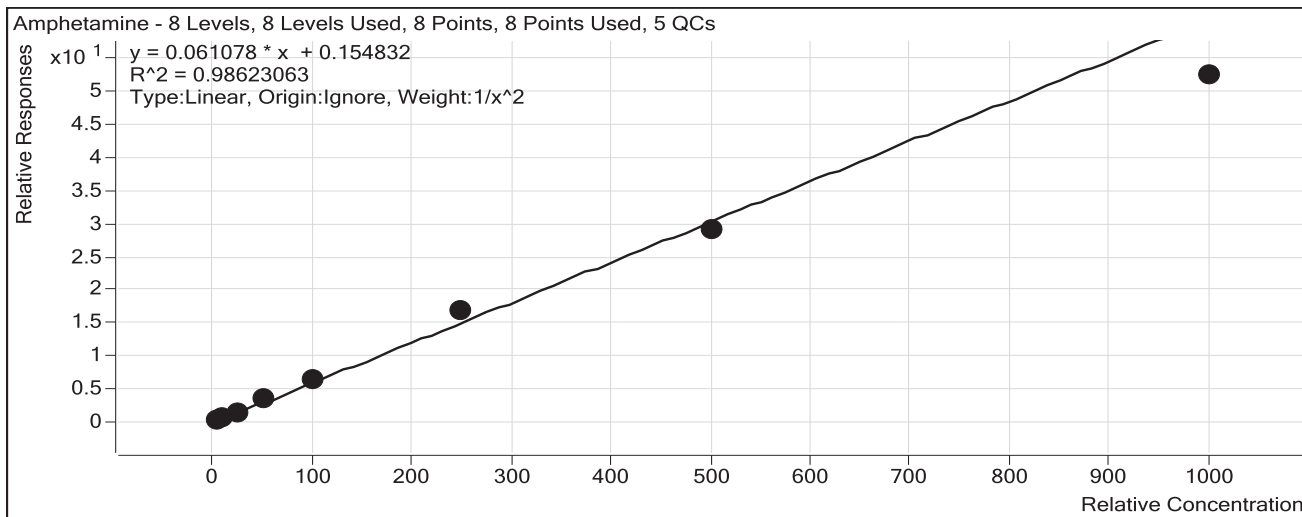
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.3	106.2
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.1	90.7
a QC 10	2	<input checked="" type="checkbox"/>	10	10.0	100.3
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.2	96.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.1	98.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.7	99.7
a QC 100	5	<input checked="" type="checkbox"/>	100	101.2	101.2
a QC 100 2nd	5	<input checked="" type="checkbox"/>	100	105.5	105.5
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	265.0	106.0
a QC 250	6	<input checked="" type="checkbox"/>	250	268.0	107.2
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	524.7	104.9
a QC 1000	8	<input checked="" type="checkbox"/>	1000	1046.0	104.6
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1021.2	102.1

# ISP Forensics Calibration Curve Report

CS

**Batch Data Path** C:\MassHunter\Data\2017\MD Quant\12-12-17 Panel 1 CS\QuantResults\MDQ Panel 1a 12-12-17 CS.batch.bin  
**Last Calib Update** 12/21/2017 10:25 AM **Analyst Name** ISP TOX

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



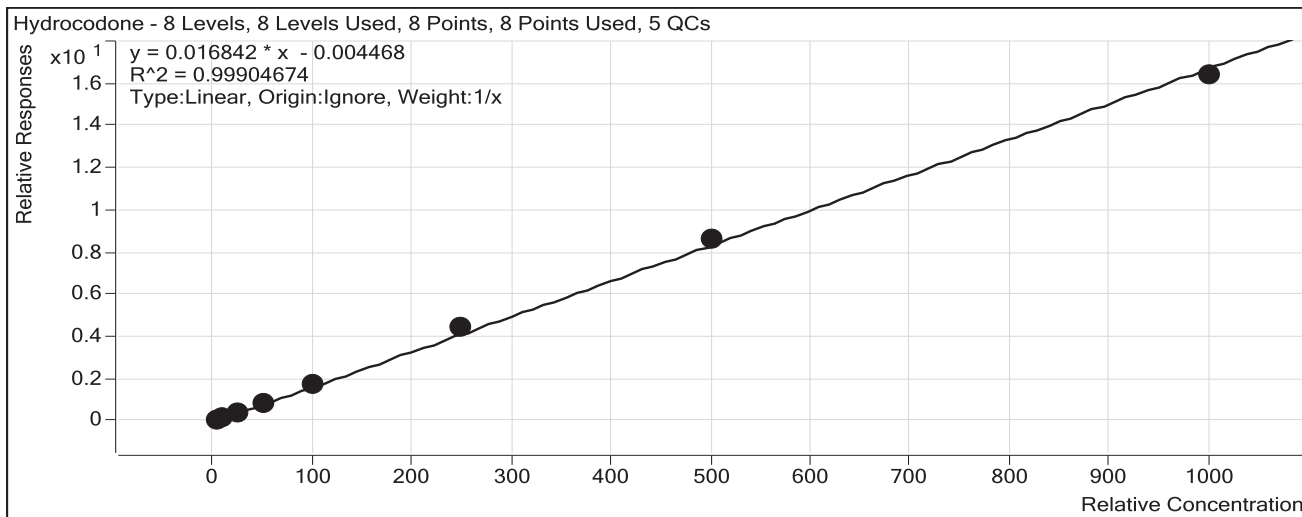
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.9
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.3	93.1
a QC 10	2	<input checked="" type="checkbox"/>	10	10.1	100.9
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.2	92.8
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	58.7	117.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.2	103.2
a QC 100	5	<input checked="" type="checkbox"/>	100	125.9	125.9
a QC 100 2nd	5	<input checked="" type="checkbox"/>	100	113.4	113.4
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	274.0	109.6
a QC 250	6	<input checked="" type="checkbox"/>	250	279.5	111.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	477.1	95.4
a QC 1000	8	<input type="checkbox"/>	1000	904.0	90.4
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	856.7	85.7

CS

# ISP Forensics Calibration Curve Report

**Batch Data Path** C:\MassHunter\Data\2017\MD Quant\12-12-17 Panel 1 CS\QuantResults\MDQ Panel 1a 12-12-17 CS.batch.bin  
**Last Calib Update** 12/21/2017 10:25 AM **Analyst Name** ISP TOX

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



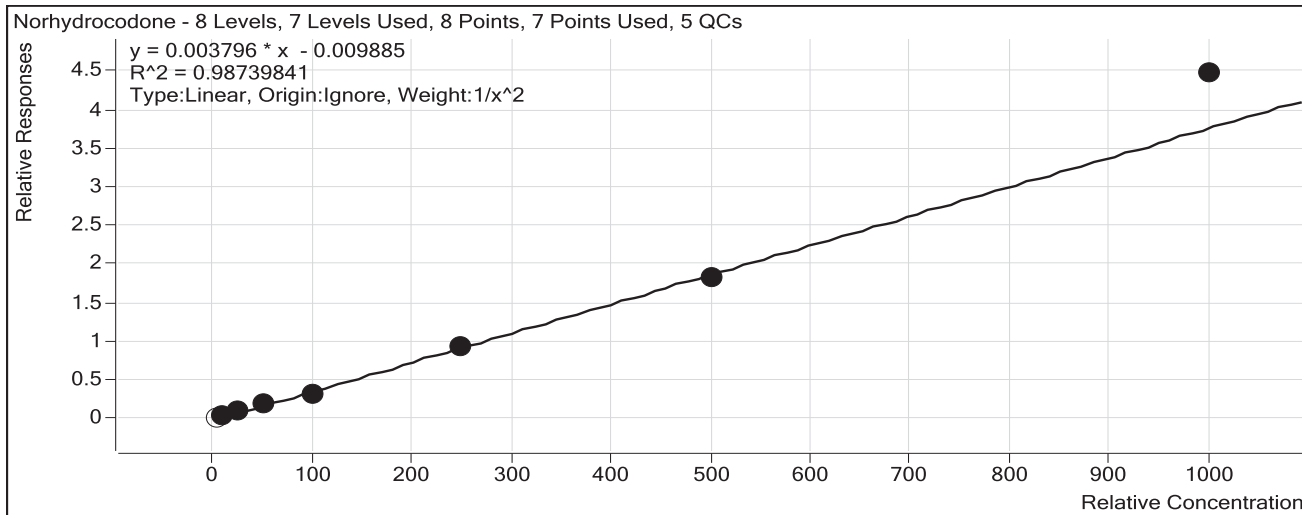
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a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.8	96.8
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.4	93.6
a QC 10	2	<input checked="" type="checkbox"/>	10	9.6	96.1
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.0	100.2
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.5	103.0
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.1	102.1
a QC 100	5	<input checked="" type="checkbox"/>	100	102.2	102.2
a QC 100 2nd	5	<input checked="" type="checkbox"/>	100	105.8	105.8
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	261.2	104.5
a QC 250	6	<input checked="" type="checkbox"/>	250	262.9	105.1
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	512.9	102.6
a QC 1000	8	<input checked="" type="checkbox"/>	1000	950.6	95.1
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	973.1	97.3

# ISP Forensics Calibration Curve Report

CS

**Batch Data Path** C:\MassHunter\Data\2017\MD Quant\12-12-17 Panel 1 CS\QuantResults\MDQ Panel 1a 12-12-17 CS.batch.bin  
**Last Calib Update** 12/21/2017 10:25 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input type="checkbox"/>	5	6.6	132.7
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	100.9
a QC 10	2	<input checked="" type="checkbox"/>	10	11.1	110.8
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.6	102.3
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.8	97.6
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	85.4	85.4
a QC 100	5	<input checked="" type="checkbox"/>	100	91.2	91.2
a QC 100 2nd	5	<input checked="" type="checkbox"/>	100	96.4	96.4
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	248.6	99.4
a QC 250	6	<input checked="" type="checkbox"/>	250	239.8	95.9
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	481.9	96.4
a QC 1000	8	<input checked="" type="checkbox"/>	1000	1255.1	125.5
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1180.0	118.0

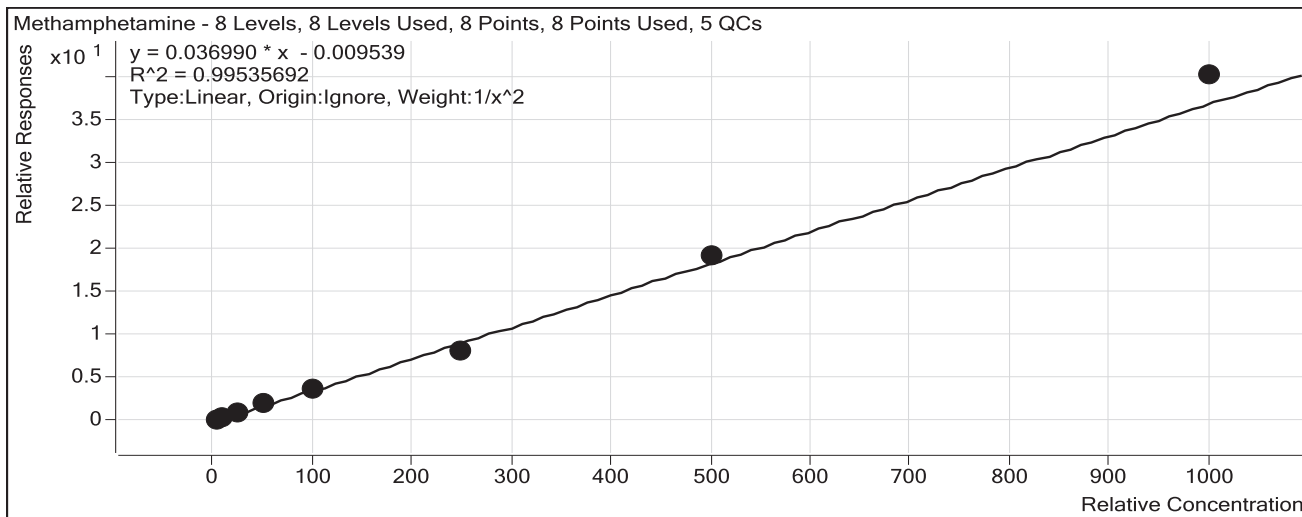


# ISP Forensics Calibration Curve Report

CJ

**Batch Data Path** C:\MassHunter\Data\2017\MD Quant\12-12-17 Panel 1 CS\QuantResults\MDQ Panel 1a 12-12-17 CS.batch.bin  
**Last Calib Update** 12/21/2017 10:25 AM **Analyst Name** ISP TOX

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



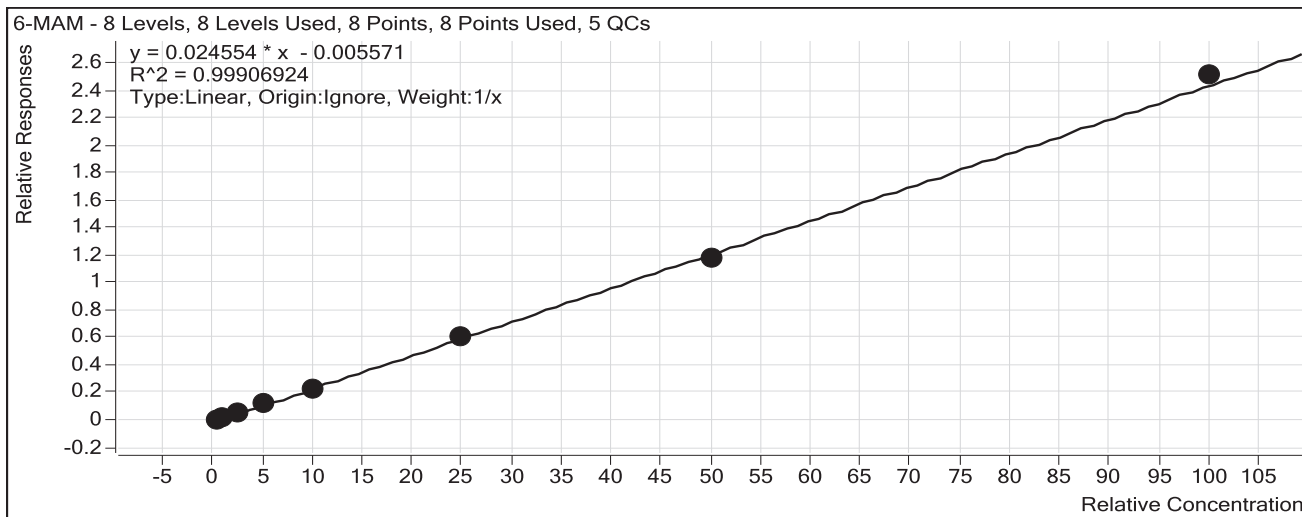
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a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.5
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.4	94.5
a QC 10	2	<input checked="" type="checkbox"/>	10	10.1	101.0
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.2	100.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.0	102.0
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.2	100.2
a QC 100	5	<input checked="" type="checkbox"/>	100	96.0	96.0
a QC 100 2nd	5	<input checked="" type="checkbox"/>	100	101.9	101.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	221.8	88.7
a QC 250	6	<input checked="" type="checkbox"/>	250	276.9	110.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	514.3	102.9
a QC 1000	8	<input checked="" type="checkbox"/>	1000	1001.9	100.2
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1083.2	108.3

# ISP Forensics Calibration Curve Report

CS

**Batch Data Path** C:\MassHunter\Data\2017\MD Quant\12-12-17 Panel 1 CS\QuantResults\MDQ Panel 1a 12-12-17 CS.batch.bin  
**Last Calib Update** 12/21/2017 10:25 AM **Analyst Name** ISP TOX

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



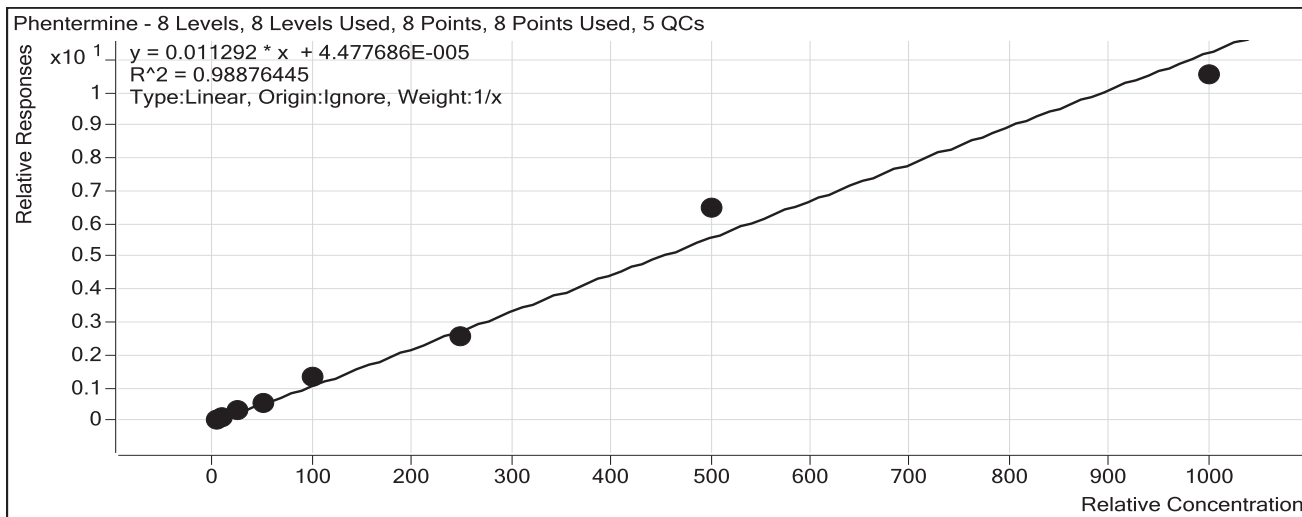
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a cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.0	104.7
a QC 10	2	<input checked="" type="checkbox"/>	1	1.1	107.4
a cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.5	100.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	5	5.0	100.1
a cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.3	93.3
a QC 100	5	<input checked="" type="checkbox"/>	10	9.8	98.5
a QC 100 2nd	5	<input checked="" type="checkbox"/>	10	9.4	94.2
a cal 6-250ng	6	<input checked="" type="checkbox"/>	25	24.8	99.1
a QC 250	6	<input checked="" type="checkbox"/>	25	23.8	95.1
a cal 7-500ng	7	<input checked="" type="checkbox"/>	50	48.3	96.7
a QC 1000	8	<input checked="" type="checkbox"/>	100	107.3	107.3
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	102.5	102.5

# ISP Forensics Calibration Curve Report

CJ

**Batch Data Path** C:\MassHunter\Data\2017\MD Quant\12-12-17 Panel 1 CS\QuantResults\MDQ Panel 1a 12-12-17 CS.batch.bin  
**Last Calib Update** 12/21/2017 10:25 AM **Analyst Name** ISP TOX

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



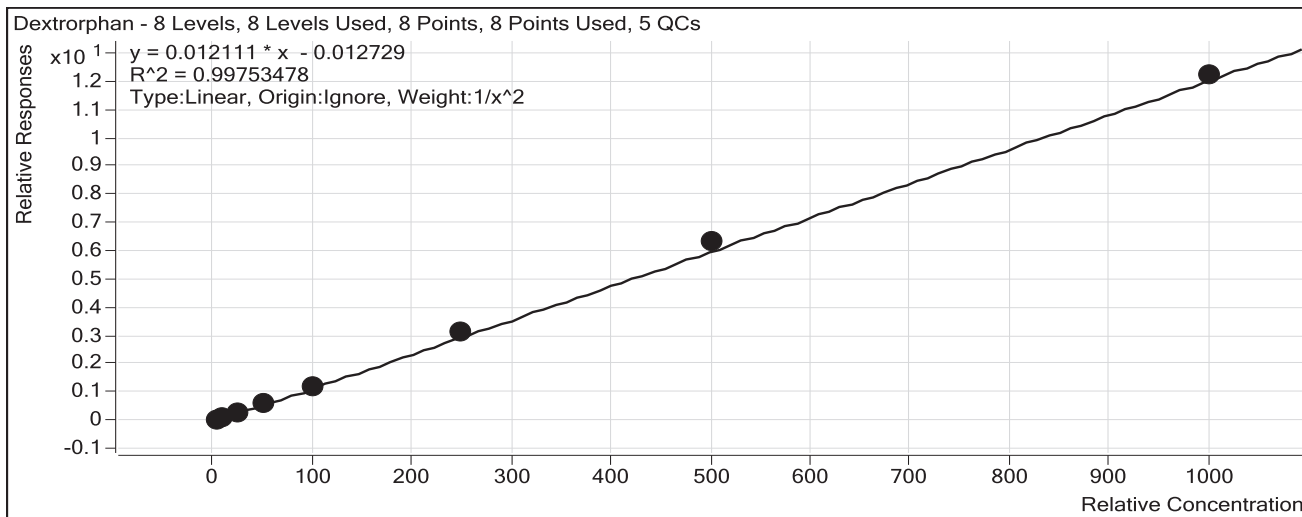
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
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a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	8.8	88.2
a QC 10	2	<input checked="" type="checkbox"/>	10	10.9	109.3
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.4	101.7
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.0	97.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	114.8	114.8
a QC 100	5	<input checked="" type="checkbox"/>	100	104.0	104.0
a QC 100 2nd	5	<input checked="" type="checkbox"/>	100	102.4	102.4
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	229.9	91.9
a QC 250	6	<input checked="" type="checkbox"/>	250	277.9	111.2
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	575.7	115.1
a QC 1000	8	<input checked="" type="checkbox"/>	1000	919.3	91.9
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	931.6	93.2

CS

# ISP Forensics Calibration Curve Report

**Batch Data Path** C:\MassHunter\Data\2017\MD Quant\12-12-17 Panel 1 CS\QuantResults\MDQ Panel 1a 12-12-17 CS.batch.bin  
**Last Calib Update** 12/21/2017 10:25 AM **Analyst Name** ISP TOX

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



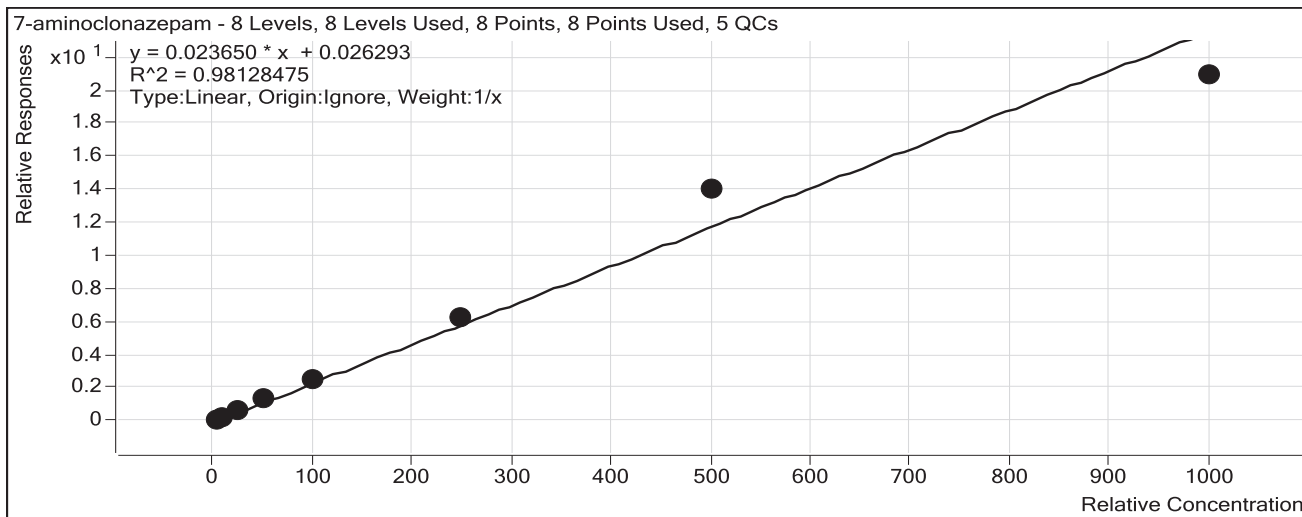
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	104.5
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.2	92.3
a QC 10	2	<input checked="" type="checkbox"/>	10	10.4	104.1
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.4	97.7
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.4	96.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.5	99.5
a QC 100	5	<input checked="" type="checkbox"/>	100	93.7	93.7
a QC 100 2nd	5	<input checked="" type="checkbox"/>	100	101.3	101.3
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	258.8	103.5
a QC 250	6	<input checked="" type="checkbox"/>	250	260.4	104.1
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	523.6	104.7
a QC 1000	8	<input checked="" type="checkbox"/>	1000	1001.3	100.1
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1009.0	100.9

# ISP Forensics Calibration Curve Report

CS

**Batch Data Path** C:\MassHunter\Data\2017\MD Quant\12-12-17 Panel 1 CS\QuantResults\MDQ Panel 1a 12-12-17 CS.batch.bin  
**Last Calib Update** 12/21/2017 10:25 AM **Analyst Name** ISP TOX

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



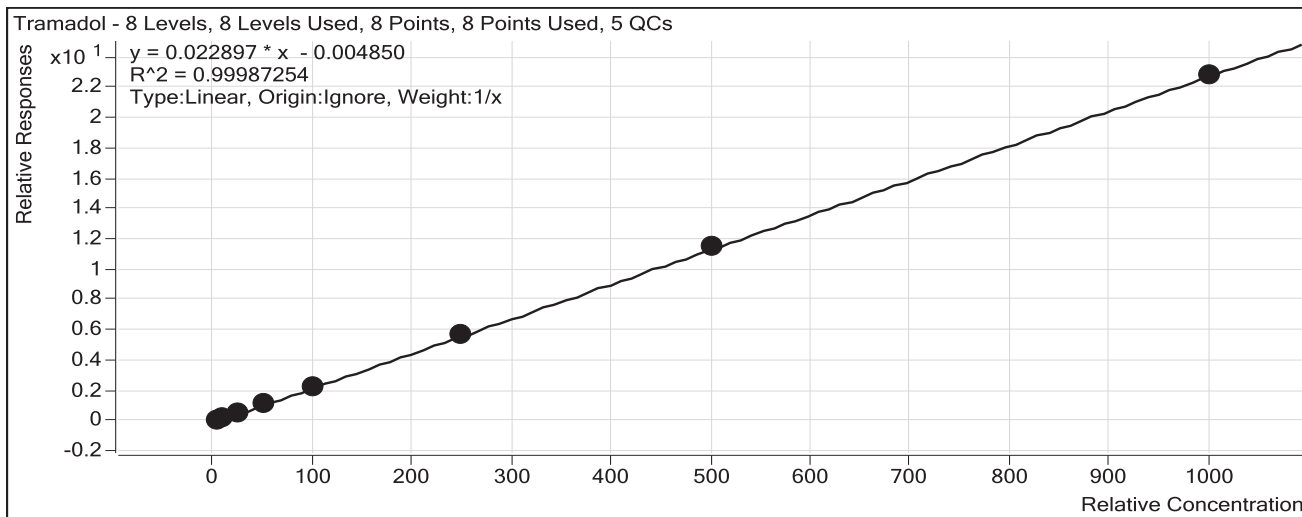
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	3.7	73.2
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	8.9	88.7
a QC 10	2	<input checked="" type="checkbox"/>	10	9.6	95.6
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.6	106.2
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	57.7	115.5
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.9	103.9
a QC 100	5	<input checked="" type="checkbox"/>	100	102.0	102.0
a QC 100 2nd	5	<input checked="" type="checkbox"/>	100	115.7	115.7
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	264.6	105.8
a QC 250	6	<input checked="" type="checkbox"/>	250	268.1	107.2
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	592.5	118.5
a QC 1000	8	<input checked="" type="checkbox"/>	1000	881.8	88.2
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	882.2	88.2

# ISP Forensics Calibration Curve Report

CS

**Batch Data Path** C:\MassHunter\Data\2017\MD Quant\12-12-17 Panel 1 CS\QuantResults\MDQ Panel 1a 12-12-17 CS.batch.bin  
**Last Calib Update** 12/21/2017 10:25 AM **Analyst Name** ISP TOX

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



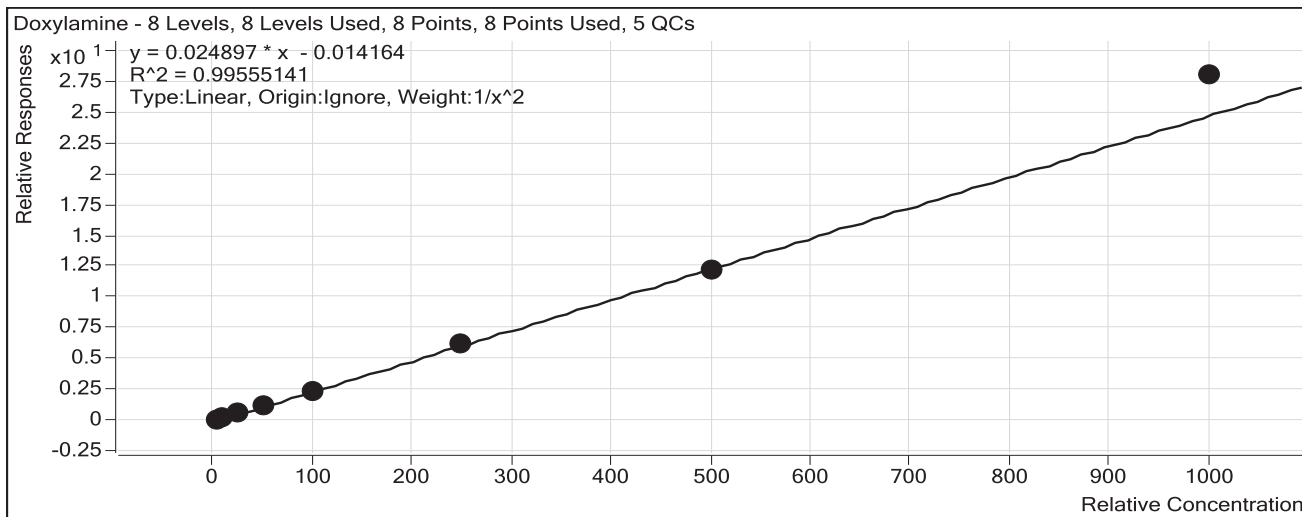
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	104.5
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	96.6
a QC 10	2	<input checked="" type="checkbox"/>	10	10.2	102.5
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.2	100.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.0	100.1
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.1	97.1
a QC 100	5	<input checked="" type="checkbox"/>	100	97.4	97.4
a QC 100 2nd	5	<input checked="" type="checkbox"/>	100	103.8	103.8
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	250.0	100.0
a QC 250	6	<input checked="" type="checkbox"/>	250	263.8	105.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	507.0	101.4
a QC 1000	8	<input checked="" type="checkbox"/>	1000	970.0	97.0
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	995.8	99.6

# ISP Forensics Calibration Curve Report

CJ

**Batch Data Path** C:\MassHunter\Data\2017\MD Quant\12-12-17 Panel 1 CS\QuantResults\MDQ Panel 1a 12-12-17 CS.batch.bin  
**Last Calib Update** 12/21/2017 10:25 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	104.0
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.4	93.9
a QC 10	2	<input checked="" type="checkbox"/>	10	9.9	99.0
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.1	96.3
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.8	99.6
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.1	97.1
a QC 100	5	<input checked="" type="checkbox"/>	100	96.0	96.0
a QC 100 2nd	5	<input checked="" type="checkbox"/>	100	90.2	90.2
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	247.5	99.0
a QC 250	6	<input checked="" type="checkbox"/>	250	222.8	89.1
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	488.4	97.7
a QC 1000	8	<input checked="" type="checkbox"/>	1000	852.7	85.3
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1124.1	112.4

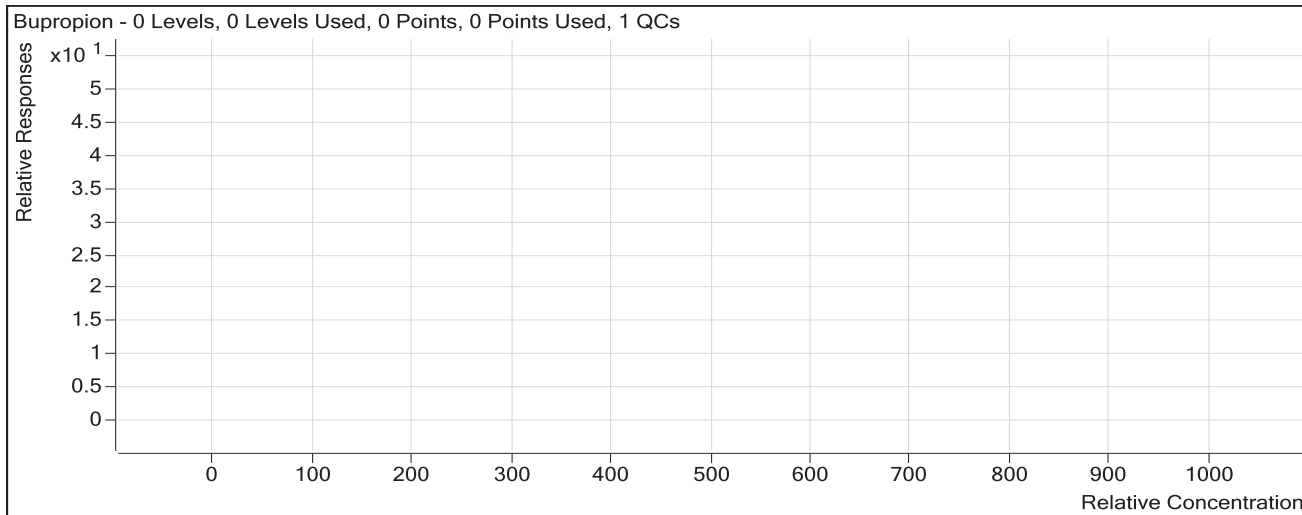
# ISP Forensics Calibration Curve Report

Compound not evaluated. *CS*

*CS*

**Batch Data Path** C:\MassHunter\Data\2017\MD Quant\12-12-17 Panel 1 CS\QuantResults\MDQ Panel 1a 12-12-17 CS.batch.bin  
**Last Calib Update** 12/21/2017 10:25 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	0.0	0.0
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	0.0	0.0
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	0.0	0.0
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	0.0	0.0
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	0.0	0.0
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	0.0	0.0
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	0.0	0.0
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	0.0	0.0
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	0.0	0.0
a QC 250	6	<input checked="" type="checkbox"/>	250	0.0	0.0

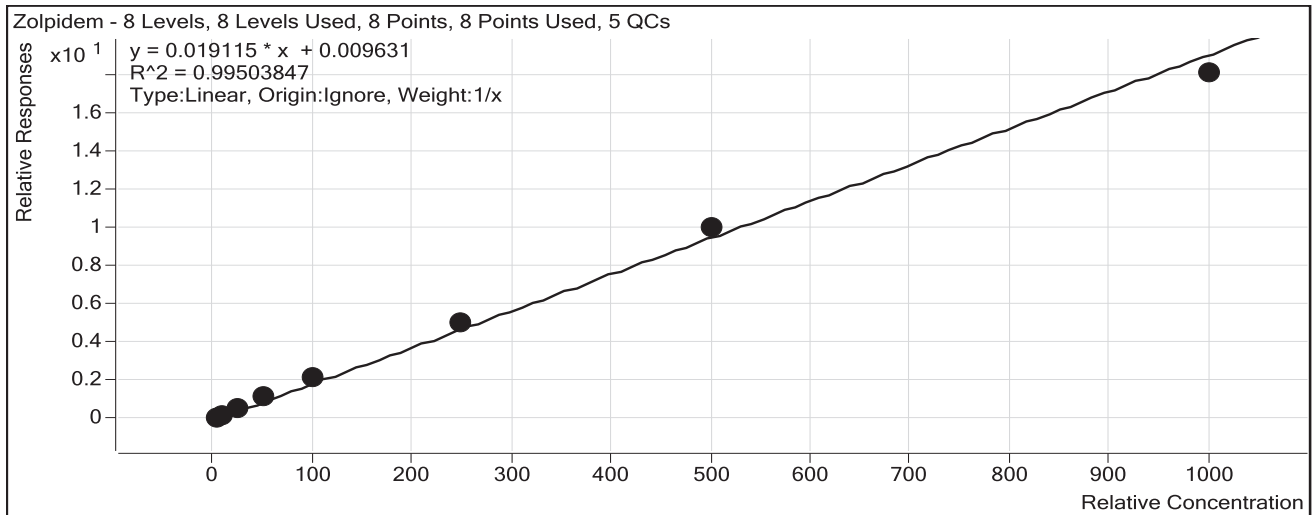


# ISP Forensics Calibration Curve Report

CS

**Batch Data Path** C:\MassHunter\Data\2017\MD Quant\12-12-17 Panel 1 CS\QuantResults\MDQ Panel 1a 12-12-17 CS.batch.bin  
**Last Calib Update** 12/21/2017 10:25 AM **Analyst Name** ISP TOX

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



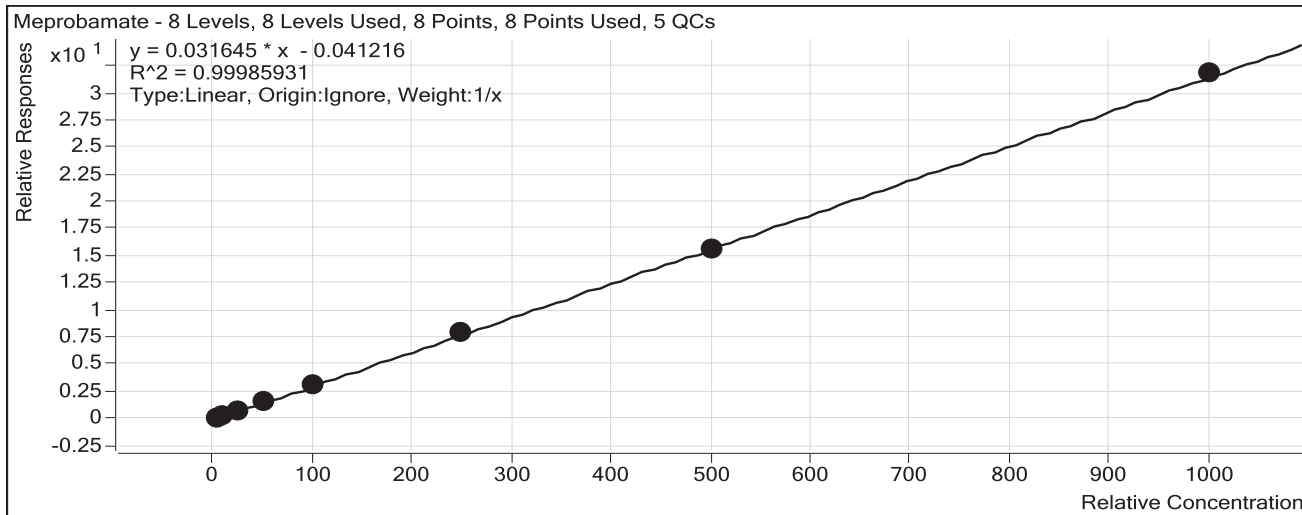
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.2	83.2
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	8.5	84.7
a QC 10	2	<input checked="" type="checkbox"/>	10	9.5	94.7
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.5	98.2
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	57.3	114.6
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	114.8	114.8
a QC 100	5	<input checked="" type="checkbox"/>	100	101.4	101.4
a QC 100 2nd	5	<input checked="" type="checkbox"/>	100	115.5	115.5
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	263.8	105.5
a QC 250	6	<input checked="" type="checkbox"/>	250	259.3	103.7
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	524.2	104.8
a QC 1000	8	<input checked="" type="checkbox"/>	1000	1152.4	115.2
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	942.8	94.3

# ISP Forensics Calibration Curve Report

CS

**Batch Data Path** C:\MassHunter\Data\2017\MD Quant\12-12-17 Panel 1 CS\QuantResults\MDQ Panel 1a 12-12-17 CS.batch.bin  
**Last Calib Update** 12/21/2017 10:25 AM **Analyst Name** ISP TOX

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



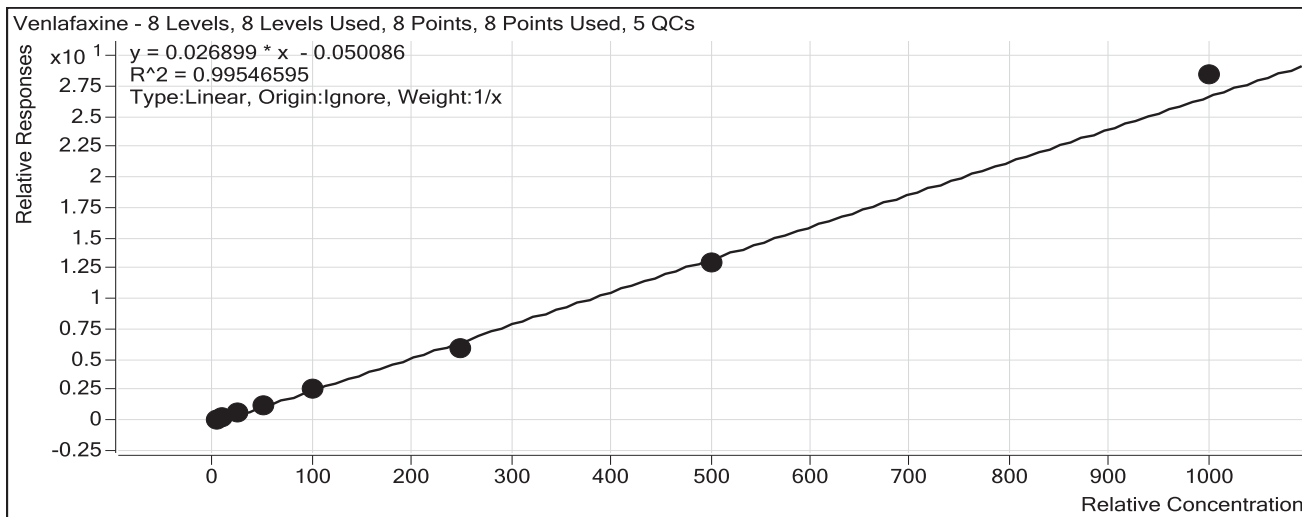
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.6	111.9
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	96.0
a QC 10	2	<input checked="" type="checkbox"/>	10	9.8	98.3
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.1	96.3
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.0	95.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.9	99.9
a QC 100	5	<input checked="" type="checkbox"/>	100	99.9	99.9
a QC 100 2nd	5	<input checked="" type="checkbox"/>	100	106.2	106.2
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	250.1	100.0
a QC 250	6	<input checked="" type="checkbox"/>	250	255.8	102.3
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	497.3	99.5
a QC 1000	8	<input checked="" type="checkbox"/>	1000	1090.7	109.1
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1005.5	100.6

# ISP Forensics Calibration Curve Report

CS

**Batch Data Path** C:\MassHunter\Data\2017\MD Quant\12-12-17 Panel 1 CS\QuantResults\MDQ Panel 1a 12-12-17 CS.batch.bin  
**Last Calib Update** 12/21/2017 10:25 AM **Analyst Name** ISP TOX

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

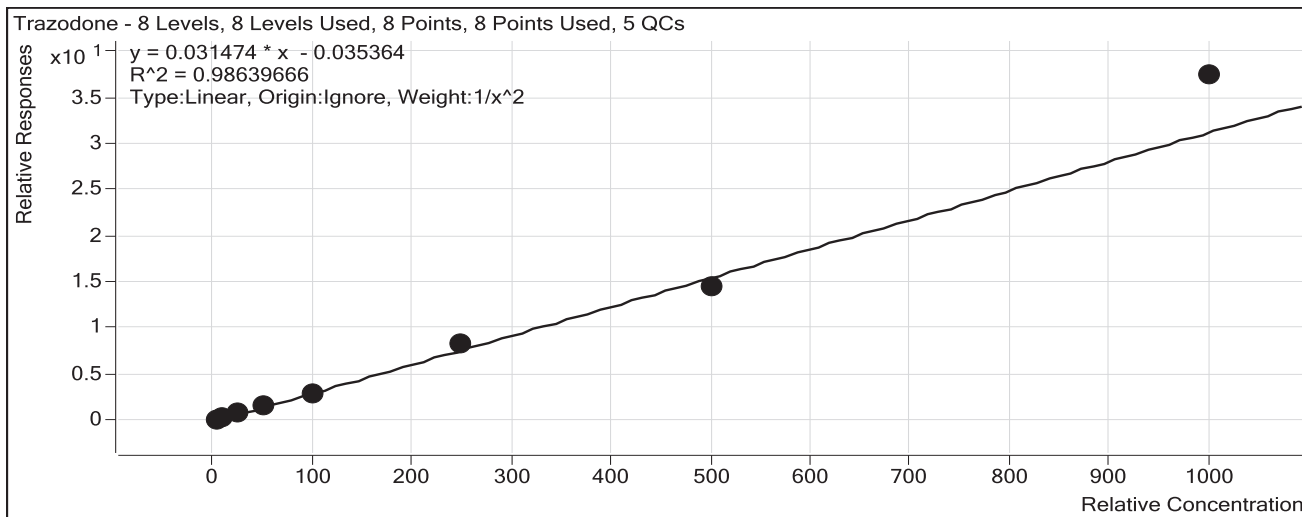


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	6.1	121.9
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.7	106.7
a QC 10	2	<input checked="" type="checkbox"/>	10	10.7	106.8
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.9	95.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	45.3	90.6
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	94.3	94.3
a QC 100	5	<input checked="" type="checkbox"/>	100	87.6	87.6
a QC 100 2nd	5	<input checked="" type="checkbox"/>	100	96.2	96.2
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	222.3	88.9
a QC 250	6	<input checked="" type="checkbox"/>	250	236.2	94.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	481.1	96.2
a QC 1000	8	<input checked="" type="checkbox"/>	1000	997.5	99.8
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1056.4	105.6

# ISP Forensics Calibration Curve Report

**Batch Data Path** C:\MassHunter\Data\2017\MD Quant\12-12-17 Panel 1 CS\QuantResults\MDQ Panel 1a 12-12-17 CS.batch.bin  
**Last Calib Update** 12/21/2017 10:25 AM **Analyst Name** ISP TOX

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



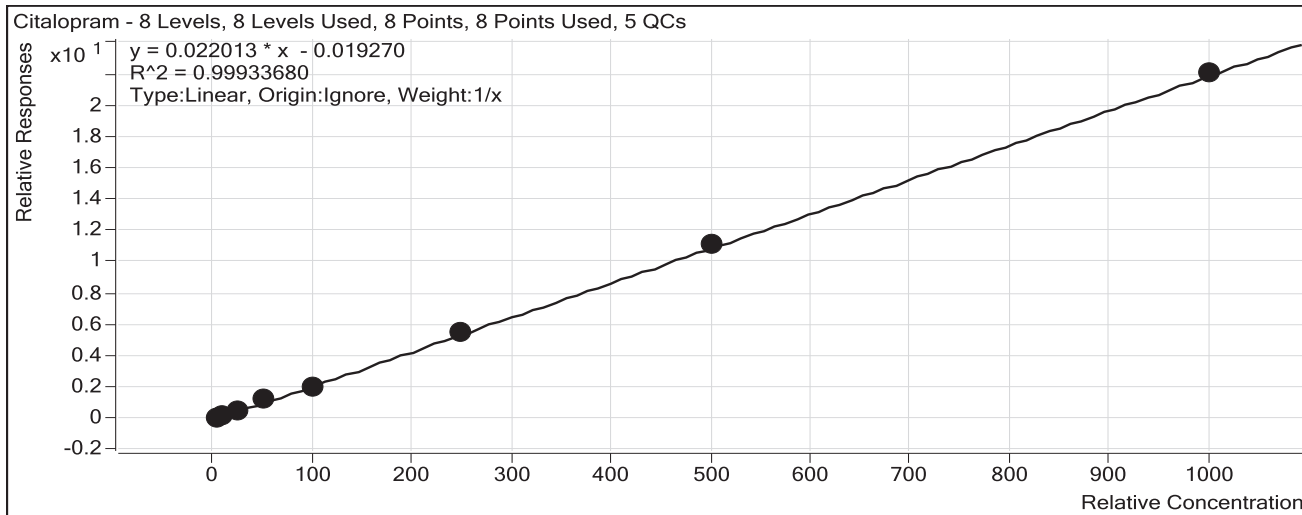
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.3	105.8
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	8.9	89.5
a QC 10	2	<input checked="" type="checkbox"/>	10	9.5	95.4
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.0	100.0
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.7	99.4
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	88.6	88.6
a QC 100	5	<input checked="" type="checkbox"/>	100	97.5	97.5
a QC 100 2nd	5	<input checked="" type="checkbox"/>	100	94.2	94.2
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	264.1	105.6
a QC 250	6	<input checked="" type="checkbox"/>	250	253.5	101.4
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	461.0	92.2
a QC 1000	8	<input checked="" type="checkbox"/>	1000	1029.2	102.9
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1189.7	119.0

# ISP Forensics Calibration Curve Report

CS

**Batch Data Path** C:\MassHunter\Data\2017\MD Quant\12-12-17 Panel 1 CS\QuantResults\MDQ Panel 1a 12-12-17 CS.batch.bin  
**Last Calib Update** 12/21/2017 10:25 AM **Analyst Name** ISP TOX

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

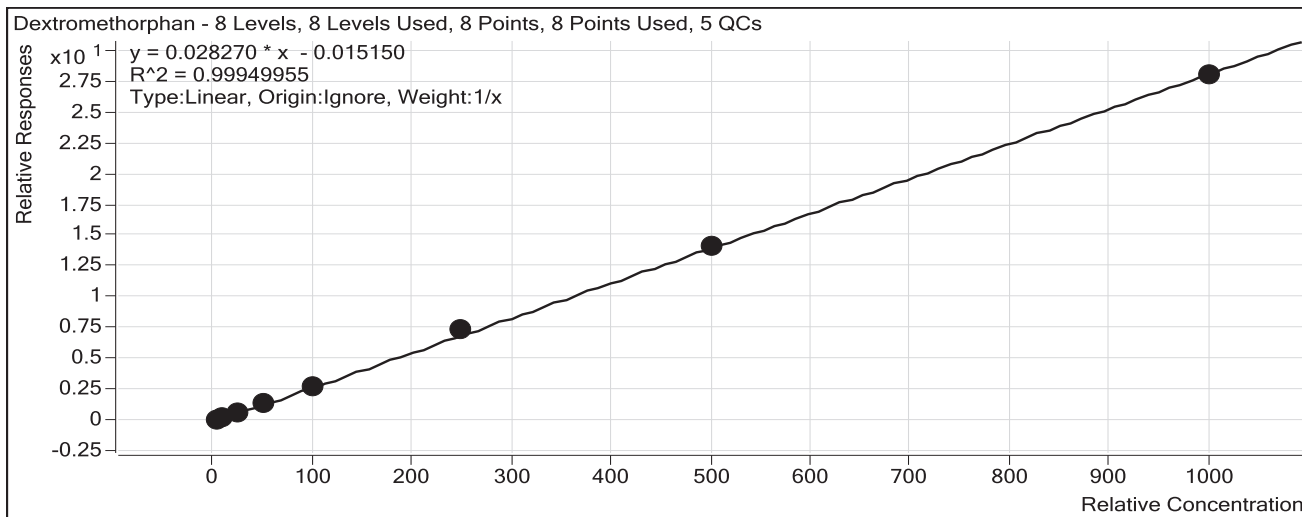


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.4	107.1
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.3	93.0
a QC 10	2	<input checked="" type="checkbox"/>	10	9.5	94.5
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.6	98.4
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	54.5	109.0
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	92.1	92.1
a QC 100	5	<input checked="" type="checkbox"/>	100	103.4	103.4
a QC 100 2nd	5	<input checked="" type="checkbox"/>	100	105.6	105.6
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	248.2	99.3
a QC 250	6	<input checked="" type="checkbox"/>	250	254.3	101.7
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	504.4	100.9
a QC 1000	8	<input checked="" type="checkbox"/>	1000	1101.6	110.2
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1001.6	100.2

# ISP Forensics Calibration Curve Report

**Batch Data Path** C:\MassHunter\Data\2017\MD Quant\12-12-17 Panel 1 CS\QuantResults\MDQ Panel 1a 12-12-17 CS.batch.bin  
**Last Calib Update** 12/21/2017 10:25 AM **Analyst Name** ISP TOX

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



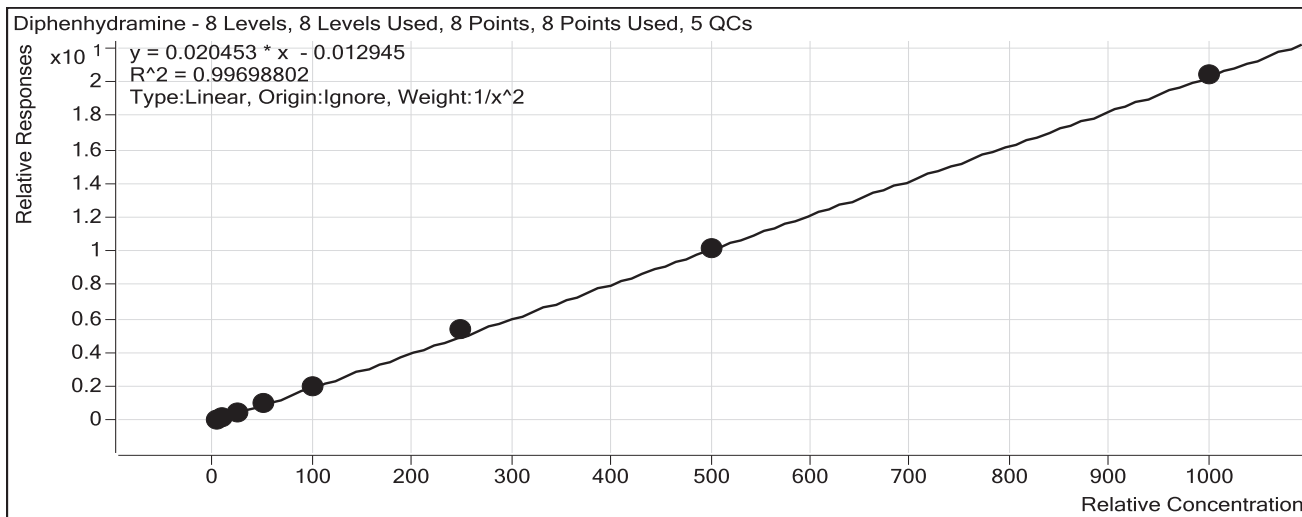
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.8	96.9
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.3	102.8
a QC 10	2	<input checked="" type="checkbox"/>	10	10.0	100.1
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.7	98.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.0	101.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	95.6	95.6
a QC 100	5	<input checked="" type="checkbox"/>	100	101.2	101.2
a QC 100 2nd	5	<input checked="" type="checkbox"/>	100	102.7	102.7
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	261.3	104.5
a QC 250	6	<input checked="" type="checkbox"/>	250	237.1	94.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	503.3	100.7
a QC 1000	8	<input checked="" type="checkbox"/>	1000	1018.3	101.8
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	989.0	98.9

# ISP Forensics Calibration Curve Report

CS

**Batch Data Path** C:\MassHunter\Data\2017\MD Quant\12-12-17 Panel 1 CS\QuantResults\MDQ Panel 1a 12-12-17 CS.batch.bin  
**Last Calib Update** 12/21/2017 10:25 AM **Analyst Name** ISP TOX

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



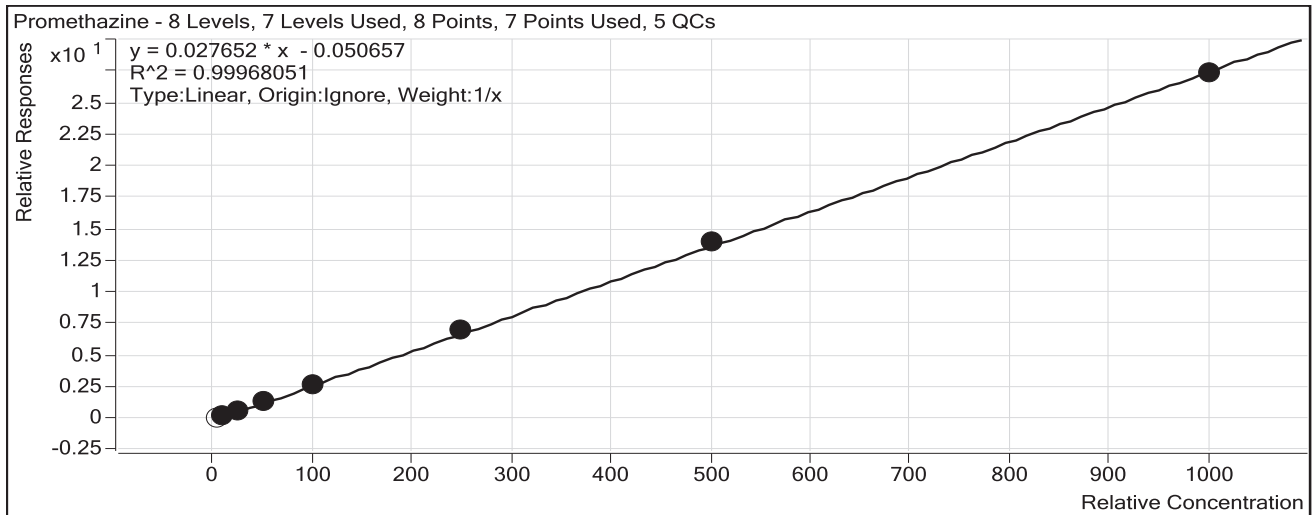
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.0
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.3	102.7
a QC 10	2	<input checked="" type="checkbox"/>	10	10.8	107.6
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.6	90.4
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.7	105.5
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.7	97.7
a QC 100	5	<input checked="" type="checkbox"/>	100	89.6	89.6
a QC 100 2nd	5	<input checked="" type="checkbox"/>	100	101.5	101.5
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	262.3	104.9
a QC 250	6	<input checked="" type="checkbox"/>	250	253.6	101.4
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	495.2	99.0
a QC 1000	8	<input checked="" type="checkbox"/>	1000	987.0	98.7
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	997.5	99.8

# ISP Forensics Calibration Curve Report

CS

**Batch Data Path** C:\MassHunter\Data\2017\MD Quant\12-12-17 Panel 1 CS\QuantResults\MDQ Panel 1a 12-12-17 CS.batch.bin  
**Last Calib Update** 12/21/2017 10:25 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input type="checkbox"/>	5	5.9	117.7
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	99.6
a QC 10	2	<input checked="" type="checkbox"/>	10	11.0	110.2
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.3	101.1
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.8	99.7
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	96.6	96.6
a QC 100	5	<input checked="" type="checkbox"/>	100	97.5	97.5
a QC 100 2nd	5	<input checked="" type="checkbox"/>	100	81.1	81.1
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	256.5	102.6
a QC 250	6	<input checked="" type="checkbox"/>	250	253.3	101.3
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	507.8	101.6
a QC 1000	8	<input checked="" type="checkbox"/>	1000	982.2	98.2
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	989.0	98.9

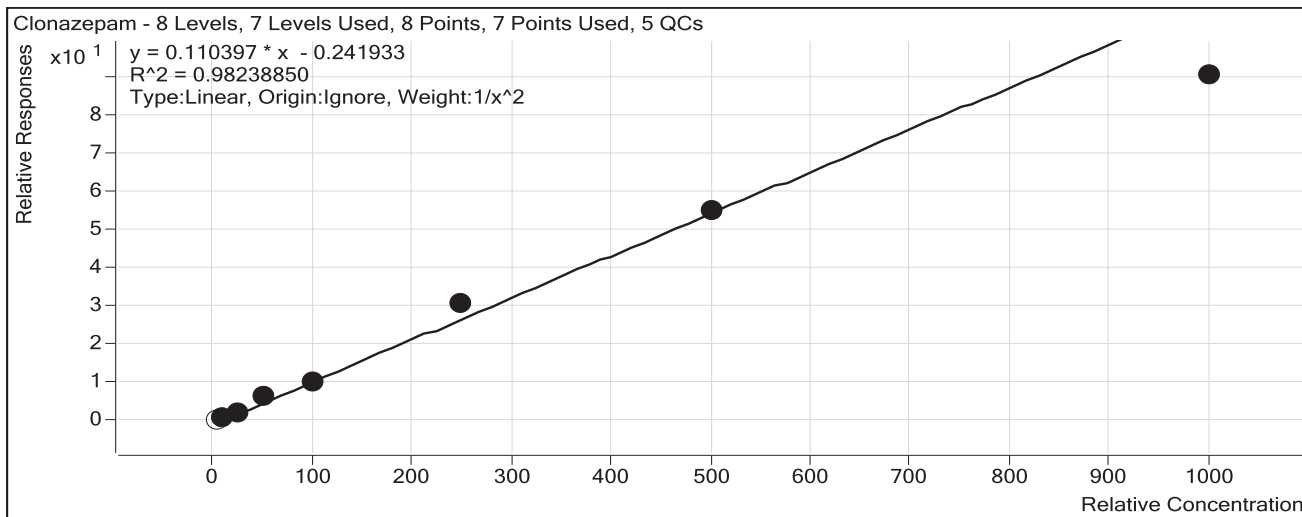


# ISP Forensics Calibration Curve Report

CS

**Batch Data Path** C:\MassHunter\Data\2017\MD Quant\12-12-17 Panel 1 CS\QuantResults\MDQ Panel 1a 12-12-17 CS.batch.bin  
**Last Calib Update** 12/21/2017 10:25 AM **Analyst Name** ISP TOX

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



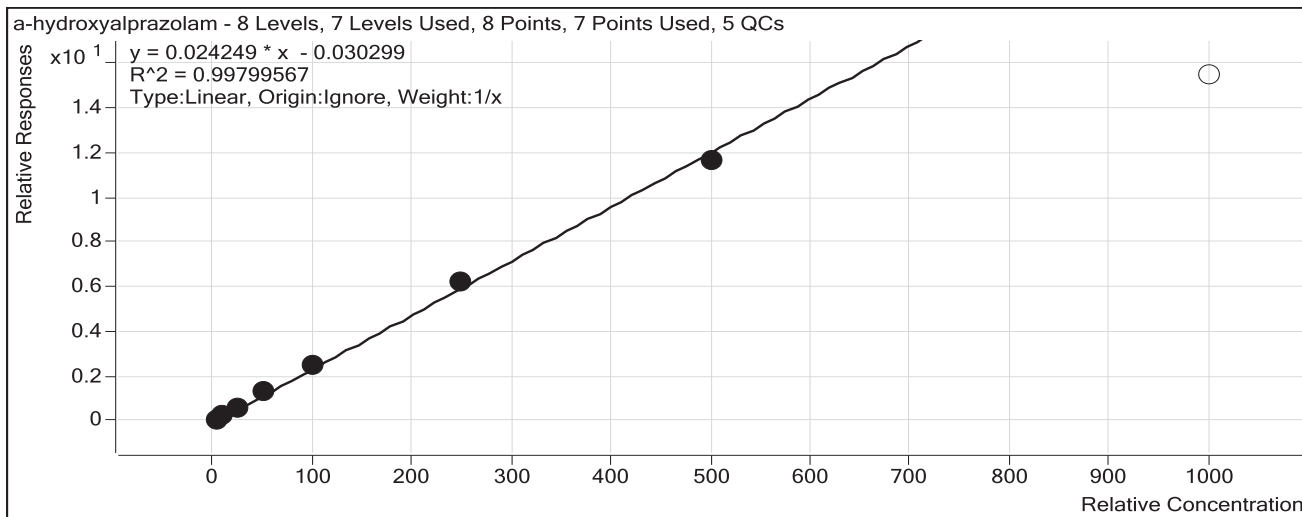
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input type="checkbox"/>	5	6.5	129.2
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	98.8
a QC 10	2	<input checked="" type="checkbox"/>	10	13.7	137.1
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.9	95.4
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	58.1	116.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	94.5	94.5
a QC 100	5	<input checked="" type="checkbox"/>	100	112.4	112.4
a QC 100 2nd	5	<input checked="" type="checkbox"/>	100	90.9	90.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	281.4	112.6
a QC 250	6	<input checked="" type="checkbox"/>	250	235.1	94.1
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	500.9	100.2
a QC 1000	8	<input checked="" type="checkbox"/>	1000	1013.8	101.4
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	822.4	82.2

# ISP Forensics Calibration Curve Report

CS

**Batch Data Path** C:\MassHunter\Data\2017\MD Quant\12-12-17 Panel 1 CS\QuantResults\MDQ Panel 1a 12-12-17 CS.batch.bin  
**Last Calib Update** 12/21/2017 10:25 AM **Analyst Name** ISP TOX

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



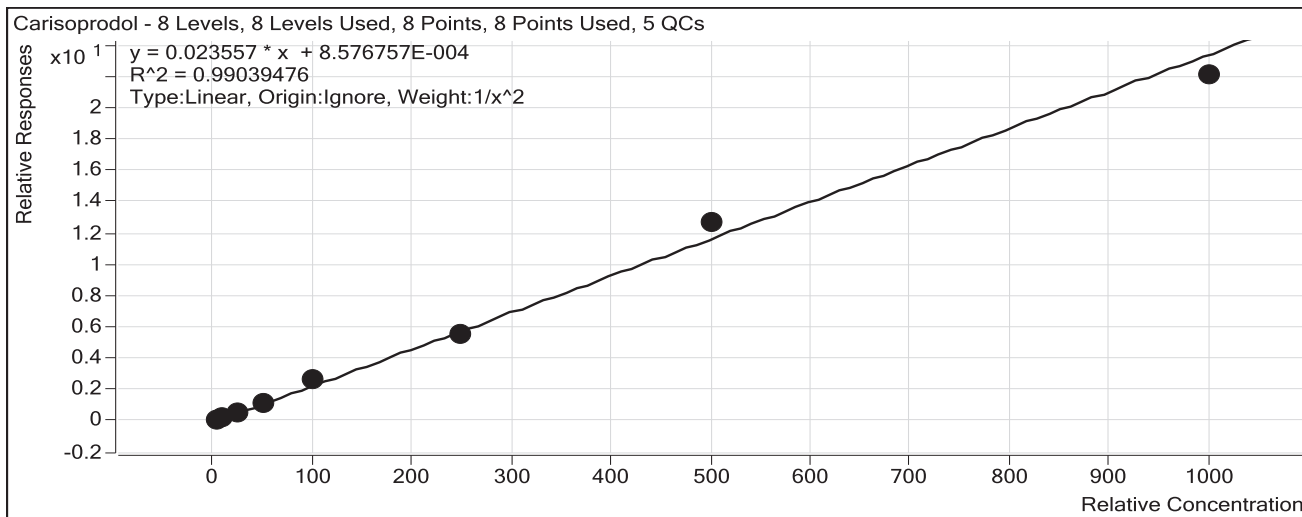
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy	
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.5	90.9	
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	96.4	
a QC 10	2	<input checked="" type="checkbox"/>	10	10.5	105.3	
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.7	98.9	
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	55.3	110.6	
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.5	102.5	
a QC 100	5	<input checked="" type="checkbox"/>	100	94.1	94.1	
a QC 100 2nd	5	<input checked="" type="checkbox"/>	100	103.2	103.2	
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	259.9	103.9	
a QC 250	6	<input checked="" type="checkbox"/>	250	236.2	94.5	
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	483.4	96.7	
<del>a QC 1000</del>	<del>8</del>	<del><input checked="" type="checkbox"/></del>	<del>1000</del>	<del>1132.7</del>	<del>113.3</del>	Outside range of curve CS
a cal 8-1000ng	8	<input type="checkbox"/>	1000	638.6	63.9	

# ISP Forensics Calibration Curve Report

CS

**Batch Data Path** C:\MassHunter\Data\2017\MD Quant\12-12-17 Panel 1 CS\QuantResults\MDQ Panel 1a 12-12-17 CS.batch.bin  
**Last Calib Update** 12/21/2017 10:25 AM **Analyst Name** ISP TOX

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

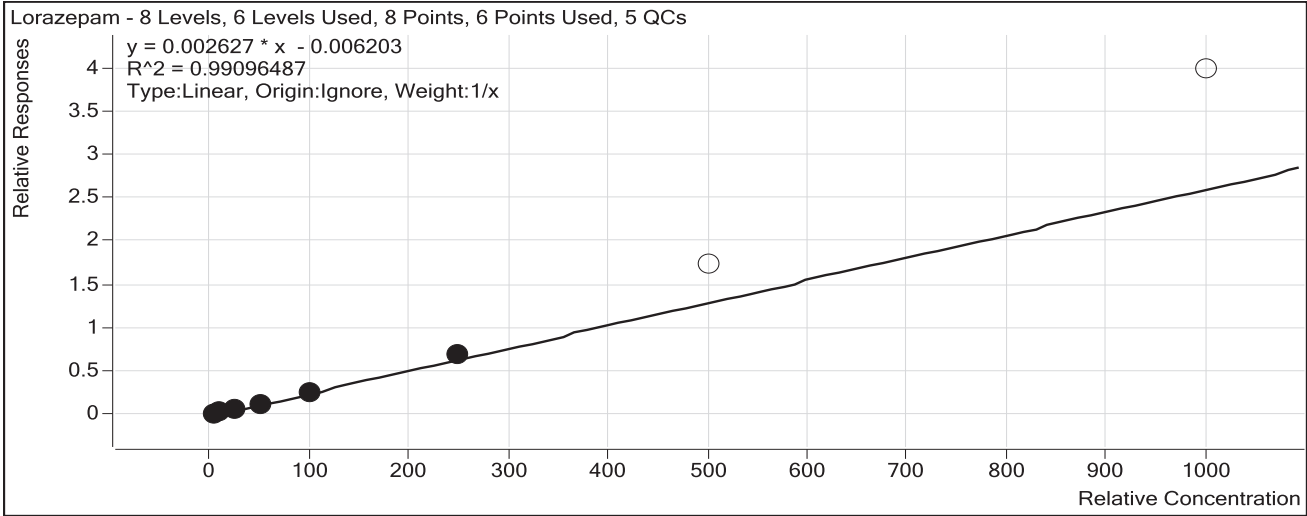


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.3	106.3
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	8.8	87.5
a QC 10	2	<input checked="" type="checkbox"/>	10	6.3	63.0
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.2	97.0
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.7	99.5
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	113.0	113.0
a QC 100	5	<input checked="" type="checkbox"/>	100	113.3	113.3
a QC 100 2nd	5	<input checked="" type="checkbox"/>	100	113.3	113.3
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	236.8	94.7
a QC 250	6	<input checked="" type="checkbox"/>	250	294.3	117.7
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	541.6	108.3
a QC 1000	8	<input checked="" type="checkbox"/>	1000	958.9	95.9
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	936.6	93.7

# ISP Forensics Calibration Curve Report

**Batch Data Path** C:\MassHunter\Data\2017\MD Quant\12-12-17 Panel 1 CS\QuantResults\MDQ Panel 1a 12-12-17 CS.batch.bin  
**Last Calib Update** 12/21/2017 10:25 AM **Analyst Name** ISP TOX

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



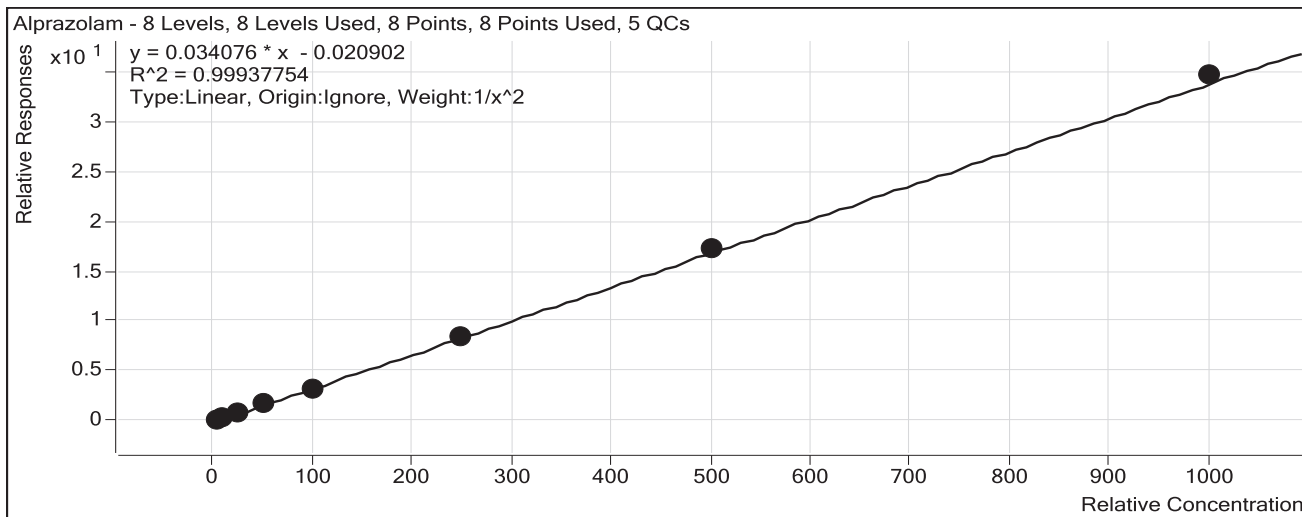
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy	
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	6.5	129.7	
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	99.5	
a QC 10	2	<input checked="" type="checkbox"/>	10	9.5	95.2	
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	21.1	84.2	
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	42.5	84.9	
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	96.1	96.1	
a QC 100	5	<input checked="" type="checkbox"/>	100	91.0	91.0	
a QC 100 2nd	5	<input checked="" type="checkbox"/>	100	91.6	91.6	
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	264.0	105.6	
a QC 250	6	<input type="checkbox"/>	250	266.6	106.6	
a cal 7-500ng	7	<input type="checkbox"/>	500	664.6	132.9	
<del>a QC 1000</del>	<del>8</del>	<del><input type="checkbox"/></del>	<del>1000</del>	<del>1500.1</del>	<del>150.0</del>	<del>Outside range of curve</del>
a cal 8-1000ng	8	<input type="checkbox"/>	1000	1518.6	151.9	

# ISP Forensics Calibration Curve Report

9

**Batch Data Path** C:\MassHunter\Data\2017\MD Quant\12-12-17 Panel 1 CS\QuantResults\MDQ Panel 1a 12-12-17 CS.batch.bin  
**Last Calib Update** 12/21/2017 10:25 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.7
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	99.2
a QC 10	2	<input checked="" type="checkbox"/>	10	10.3	103.2
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.6	98.4
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.9	101.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	95.7	95.7
a QC 100	5	<input checked="" type="checkbox"/>	100	100.4	100.4
a QC 100 2nd	5	<input checked="" type="checkbox"/>	100	100.6	100.6
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	251.0	100.4
a QC 250	6	<input checked="" type="checkbox"/>	250	254.3	101.7
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	509.0	101.8
a QC 1000	8	<input checked="" type="checkbox"/>	1000	1065.2	106.5
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1018.9	101.9

# ISP FORENSICS - Pocatello Instrument # 59740

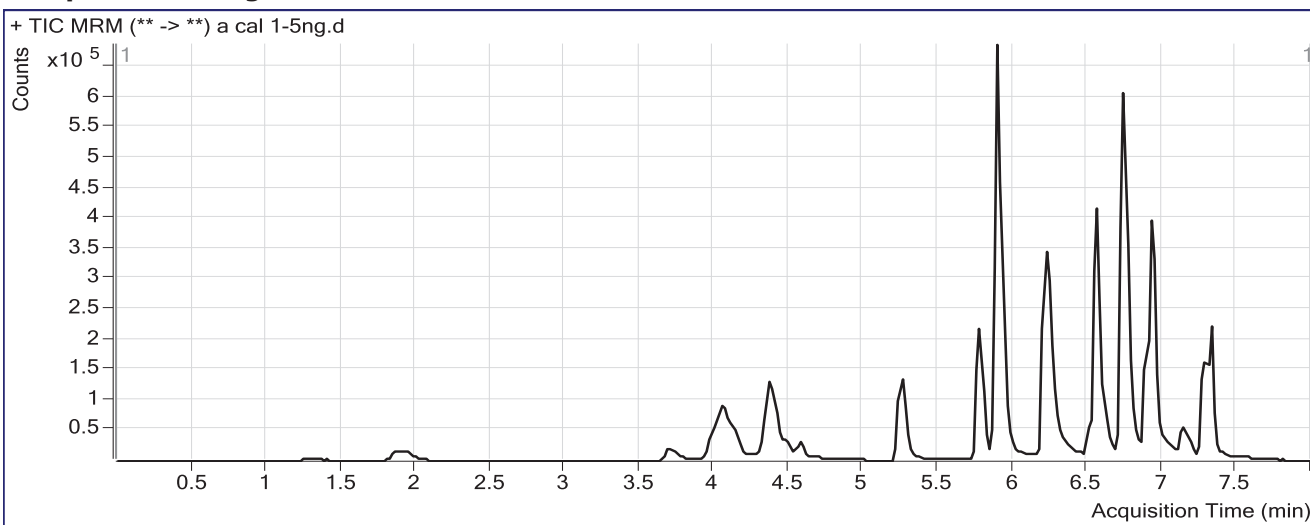
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** C:\MassHunter\Data\2017\MD Quant\12-12-17 Panel 1 CS\QuantResults\MDQ Panel 1a 12-12-17 CS.batch.bin  
**Analysis Time** 12/21/2017 10:25 AM **Analyst Name** ISPUser  
**Report Time** 12/21/2017 11:29 AM **Reporter Name** ISPUser  
**Last Calib Update** 12/21/2017 10:25 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2017-12-12 22:13 **Data File** a cal 1-5ng.d  
**Sample Type** Calibration **Sample Name** a cal 1-5ng  
**Dilution** 1 **Acq Method** MD Quant Panel 1a 12-12-17.m  
**Position** P1-A1 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.308	4312	30854	0.1398	5.6311
Hydromorphone	Hydromorphone-D6	1.929	15860	116319	0.1364	5.2397
Codeine	Codeine-D6	3.752	6227	56134	0.1109	5.5271
Oxycodone	Oxycodone-D6	4.106	43993	360139	0.1222	5.3121
Amphetamine	Amphetamine-D11	4.143	111211	237064	0.4691	5.1457
Hydrocodone	Hydrocodone-D6	4.371	15846	205732	0.0770	4.8386
Norhydrocodone	Norhydrocodone-D3	4.415	599	39199	0.0153	6.6330
Methamphetamine	Methamphetamine-D11	4.500	71860	398992	0.1801	5.1268
6-MAM	6-MAM-D6	4.587	457	64660	0.0071	0.5150
Phentermine	Phentermine-D5	5.303	28947	527348	0.0549	4.8571
Dextroprphan	Dextroprphan-D3	5.781	30668	606556	0.0506	5.2260
7-aminoclonazepam	7-Aminoclonazepam-D4	5.890	17427	154496	0.1128	3.6578
Tramadol	Tramadol-13C-D3	5.919	226819	1976495	0.1148	5.2237
Doxylamine	Doxylamine-D5	6.241	148459	1288150	0.1152	5.1979
Zolpidem	Zolpidem-D6	6.576	112204	1258908	0.0891	4.1589
Meprobamate	Meprobamate-D7	6.591	10058	74053	0.1358	5.5945
Venlafaxine	Venlafaxine-D6	6.741	155136	1362454	0.1139	6.0951
Trazodone	Trazodone-D6	6.793	36260	276579	0.1311	5.2890
Citalopram	Citalopram-D6	6.876	33734	342007	0.0986	5.3563
Dextromethorphan	Dextromethorphan-D3	6.927	11079	90909	0.1219	4.8469

# ISP FORENSICS - Pocatello Instrument # 59740

## Multi-Drug Confirmatory Analysis Report

Panel 1a Cal 1

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Diphenhydramine	Diphenhydramine-D3	6.950	81869	916102	0.0894	5.0022
Promethazine	Promethazine-D3	7.146	12572	112142	0.1121	5.8860
Clonazepam	Clonazepam-D4	7.181	7468	15839	0.4715	6.4624
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.259	2685	33575	0.0800	4.5470
Carisoprodol	Carisoprodol-D7	7.290	39151	310580	0.1261	5.3146
Lorazepam	Alprazolam-D5	7.301	4399	406087	0.0108	6.4855
Alprazolam	Alprazolam-D5	7.325	61186	406087	0.1507	5.0350

# ISP FORENSICS - Pocatello Instrument # 59740

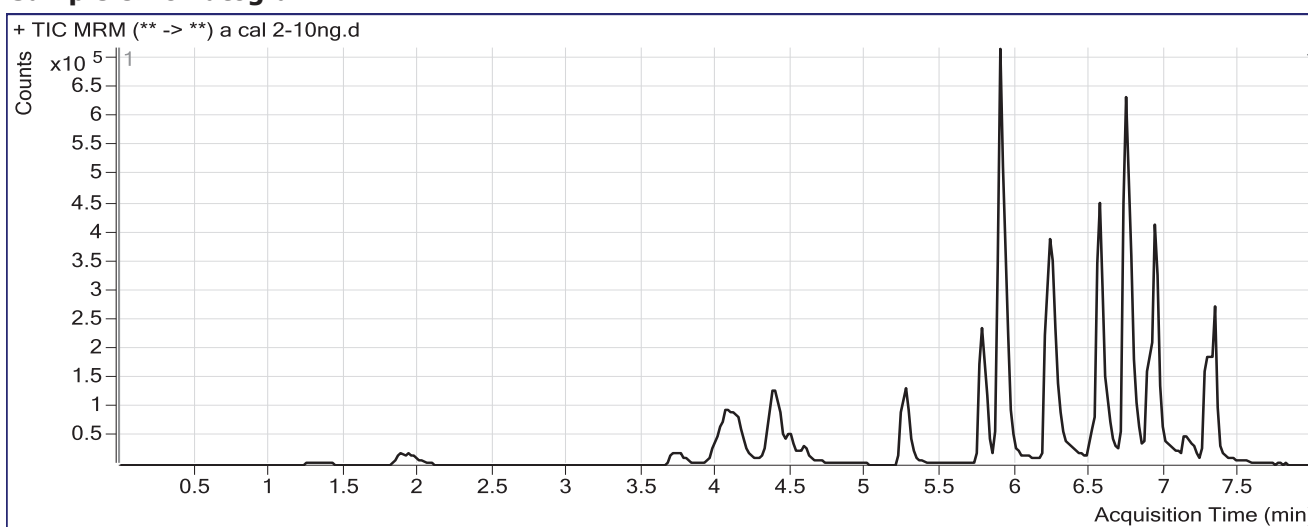
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	C:\MassHunter\Data\2017\MD Quant\12-12-17 Panel 1 CS\QuantResults\MDQ Panel 1a 12-12-17 CS.batch.bin		
<b>Analysis Time</b>	12/21/2017 10:25 AM	<b>Analyst Name</b>	ISPUser
<b>Report Time</b>	12/21/2017 11:30 AM	<b>Reporter Name</b>	ISPUser
<b>Last Calib Update</b>	12/21/2017 10:25 AM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2017-12-12 22:44	<b>Data File</b>	a cal 2-10ng.d
<b>Sample Type</b>	Calibration	<b>Sample Name</b>	a cal 2-10ng
<b>Dilution</b>	1	<b>Acq Method</b>	MD Quant Panel 1a 12-12-17.m
<b>Position</b>	P1-B1	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	AM 28

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.328	8733	29972	0.2914	9.9680
Hydromorphone	Hydromorphone-D6	1.949	30225	114519	0.2639	9.3182
Codeine	Codeine-D6	3.752	12191	54389	0.2241	9.9098
Oxycodone	Oxycodone-D6	4.106	81064	363985	0.2227	9.0748
Amphetamine	Amphetamine-D11	4.143	165662	228926	0.7236	9.3130
Hydrocodone	Hydrocodone-D6	4.391	32406	211662	0.1531	9.3560
Norhydrocodone	Norhydrocodone-D3	4.435	1087	38246	0.0284	10.0942
Methamphetamine	Methamphetamine-D11	4.500	144482	425110	0.3399	9.4459
6-MAM	6-MAM-D6	4.587	1304	64746	0.0201	1.0474
Phentermine	Phentermine-D5	5.303	50297	504877	0.0996	8.8183
Dextroprphan	Dextroprphan-D3	5.781	59163	597042	0.0991	9.2334
7-aminoclonazepam	7-Aminoclonazepam-D4	5.890	37352	158227	0.2361	8.8700
Tramadol	Tramadol-13C-D3	5.918	419604	1940362	0.2163	9.6561
Doxylamine	Doxylamine-D5	6.241	296600	1350837	0.2196	9.3878
Zolpidem	Zolpidem-D6	6.576	221541	1291419	0.1715	8.4708
Meprobamate	Meprobamate-D7	6.591	19698	75035	0.2625	9.5981
Venlafaxine	Venlafaxine-D6	6.741	319376	1347273	0.2371	10.6748
Trazodone	Trazodone-D6	6.793	68438	277977	0.2462	8.9458
Citalopram	Citalopram-D6	6.876	60960	328562	0.1855	9.3040
Dextromethorphan	Dextromethorphan-D3	6.927	21550	78239	0.2754	10.2792



# ISP FORENSICS - Pocatello Instrument # 59740

## Multi-Drug Confirmatory Analysis Report

Panel 1a Cal 2

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Diphenhydramine	Diphenhydramine-D3	6.930	153376	778075	0.1971	10.2706
Promethazine	Promethazine-D3	7.146	20990	93416	0.2247	9.9577
Clonazepam	Clonazepam-D4	7.181	13358	15741	0.8486	9.8785
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.259	7125	35010	0.2035	9.6425
Carisoprodol	Carisoprodol-D7	7.290	64125	309694	0.2071	8.7531
Lorazepam	Alprazolam-D5	7.301	8114	407188	0.0199	9.9475
Alprazolam	Alprazolam-D5	7.325	129151	407188	0.3172	9.9212

# ISP FORENSICS - Pocatello Instrument # 59740

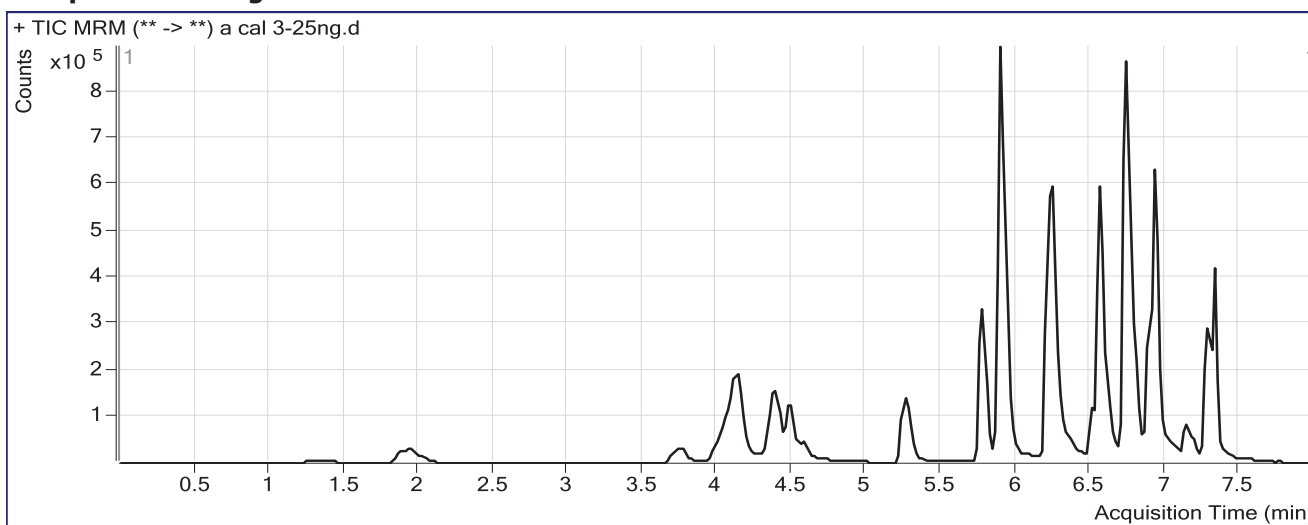
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	C:\MassHunter\Data\2017\MD Quant\12-12-17 Panel 1 CS\QuantResults\MDQ Panel 1a 12-12-17 CS.batch.bin		
<b>Analysis Time</b>	12/21/2017 10:25 AM	<b>Analyst Name</b>	ISPUser
<b>Report Time</b>	12/21/2017 11:30 AM	<b>Reporter Name</b>	ISPUser
<b>Last Calib Update</b>	12/21/2017 10:25 AM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2017-12-12 23:16	<b>Data File</b>	a cal 3-25ng.d
<b>Sample Type</b>	Calibration	<b>Sample Name</b>	a cal 3-25ng
<b>Dilution</b>	1	<b>Acq Method</b>	MD Quant Panel 1a 12-12-17.m
<b>Position</b>	P1-C1	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	AM 28

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.328	23038	29874	0.7712	23.6934
Hydromorphone	Hydromorphone-D6	1.949	80923	115138	0.7028	23.3493
Codeine	Codeine-D6	3.772	32039	52700	0.6080	24.7675
Oxycodone	Oxycodone-D6	4.106	219358	350486	0.6259	24.1608
Amphetamine	Amphetamine-D11	4.143	356185	226649	1.5715	23.1949
Hydrocodone	Hydrocodone-D6	4.391	85883	205754	0.4174	25.0495
Norhydrocodone	Norhydrocodone-D3	4.435	3292	37749	0.0872	25.5782
Methamphetamine	Methamphetamine-D11	4.500	359697	389445	0.9236	25.2269
6-MAM	6-MAM-D6	4.587	3618	64433	0.0562	2.5138
Phentermine	Phentermine-D5	5.303	149451	520464	0.2871	25.4252
Dextrophan	Dextrophan-D3	5.781	174880	618051	0.2830	24.4151
7-aminoclonazepam	7-Aminoclonazepam-D4	5.890	104811	160207	0.6542	26.5513
Tramadol	Tramadol-13C-D3	5.918	1086821	1898397	0.5725	25.2143
Doxylamine	Doxylamine-D5	6.241	808102	1380411	0.5854	24.0818
Zolpidem	Zolpidem-D6	6.576	609111	1272365	0.4787	24.5409
Meprobamate	Meprobamate-D7	6.591	51208	71074	0.7205	24.0700
Venlafaxine	Venlafaxine-D6	6.741	810658	1366947	0.5930	23.9091
Trazodone	Trazodone-D6	6.793	213428	284121	0.7512	24.9901
Citalopram	Citalopram-D6	6.876	192749	368964	0.5224	24.6075
Dextromethorphan	Dextromethorphan-D3	6.927	59577	87353	0.6820	24.6614

# ISP FORENSICS - Pocatello Instrument # 59740

## Multi-Drug Confirmatory Analysis Report Panel 1a Cal 3

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Diphenhydramine	Diphenhydramine-D3	6.930	425511	946698	0.4495	22.6083
Promethazine	Promethazine-D3	7.146	68495	105657	0.6483	25.2755
Clonazepam	Clonazepam-D4	7.181	35006	14632	2.3923	23.8617
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.259	19014	33416	0.5690	24.7156
Carisoprodol	Carisoprodol-D7	7.290	166859	291710	0.5720	24.2448
Lorazepam	Alprazolam-D5	7.301	19478	396650	0.0491	21.0557
Alprazolam	Alprazolam-D5	7.325	324291	396650	0.8176	24.6057

# ISP FORENSICS - Pocatello Instrument # 59740

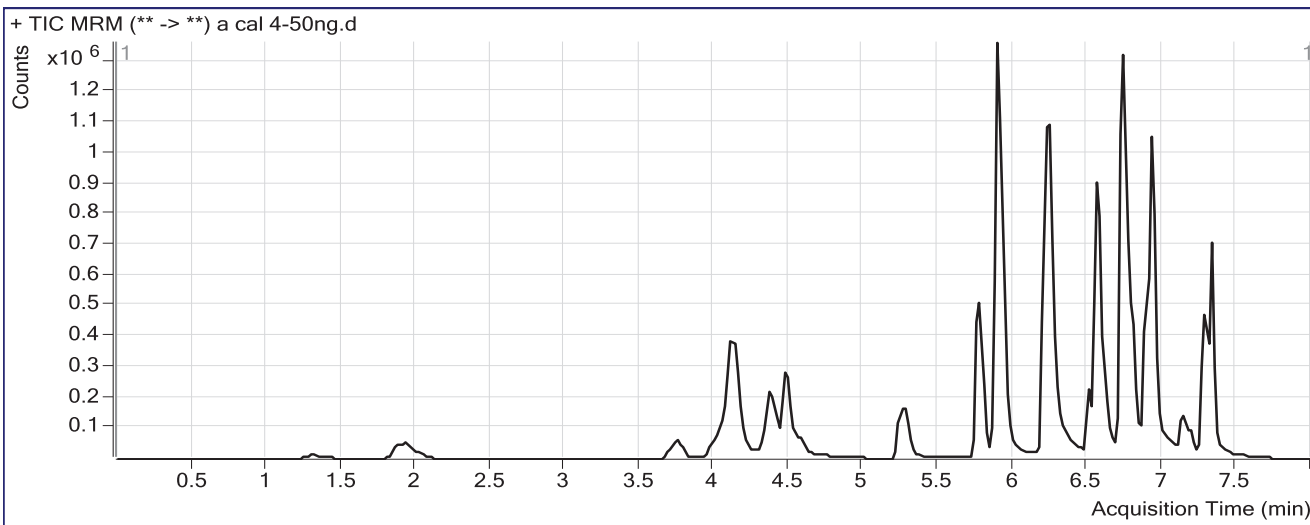
## Multi-Drug Confirmatory Analysis Report

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**Analysis Time** 12/21/2017 10:25 AM **Analyst Name** ISPUser  
**Report Time** 12/21/2017 11:30 AM **Reporter Name** ISPUser  
**Last Calib Update** 12/21/2017 10:25 AM **Batch State** Processed

**Analysis Info**

**Acq Time** 2017-12-12 23:47 **Data File** a cal 4-50ng.d  
**Sample Type** Calibration **Sample Name** a cal 4-50ng  
**Dilution** 1 **Acq Method** MD Quant Panel 1a 12-12-17.m  
**Position** P1-D1 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28

**Sample Chromatogram**



**Results**

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.328	48361	29781	1.6239	48.0873
Hydromorphone	Hydromorphone-D6	1.929	178211	117933	1.5111	49.1887
Codeine	Codeine-D6	3.752	70156	56161	1.2492	49.5896
Oxycodone	Oxycodone-D6	4.106	507341	392366	1.2930	49.1257
Amphetamine	Amphetamine-D11	4.143	922309	246763	3.7376	58.6596
Hydrocodone	Hydrocodone-D6	4.371	189224	219220	0.8632	51.5178
Norhydrocodone	Norhydrocodone-D3	4.415	6918	39473	0.1753	48.7752
Methamphetamine	Methamphetamine-D11	4.479	914169	487267	1.8761	50.9769
6-MAM	6-MAM-D6	4.587	7804	66507	0.1173	5.0058
Phentermine	Phentermine-D5	5.303	310336	561128	0.5531	48.9734
Dextrophan	Dextrophan-D3	5.781	381433	664870	0.5737	48.4222
7-aminoclonazepam	7-Aminoclonazepam-D4	5.890	231727	166490	1.3918	57.7406
Tramadol	Tramadol-13C-D3	5.918	2374841	2081450	1.1410	50.0407
Doxylamine	Doxylamine-D5	6.241	1848519	1507721	1.2260	49.8126
Zolpidem	Zolpidem-D6	6.576	1348028	1220447	1.1045	57.2807
Meprobamate	Meprobamate-D7	6.591	108764	73651	1.4767	47.9680
Venlafaxine	Venlafaxine-D6	6.741	1792030	1533272	1.1688	45.3123
Trazodone	Trazodone-D6	6.793	486787	318390	1.5289	49.6995
Citalopram	Citalopram-D6	6.876	452055	382816	1.1809	54.5204
Dextromethorphan	Dextromethorphan-D3	6.906	162901	114261	1.4257	50.9679

# ISP FORENSICS - Pocatello Instrument # 59740

## Multi-Drug Confirmatory Analysis Report

Panel 1a Cal 4

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Diphenhydramine	Diphenhydramine-D3	6.930	1066640	1000999	1.0656	52.7309
Promethazine	Promethazine-D3	7.146	174303	131326	1.3273	49.8296
Clonazepam	Clonazepam-D4	7.181	80514	13033	6.1775	58.1480
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.259	43701	33333	1.3110	55.3165
Carisoprodol	Carisoprodol-D7	7.290	337815	288072	1.1727	49.7431
Lorazepam	Alprazolam-D5	7.301	42732	405675	0.1053	42.4616
Alprazolam	Alprazolam-D5	7.325	695833	405675	1.7152	50.9487

# ISP FORENSICS - Pocatello Instrument # 59740

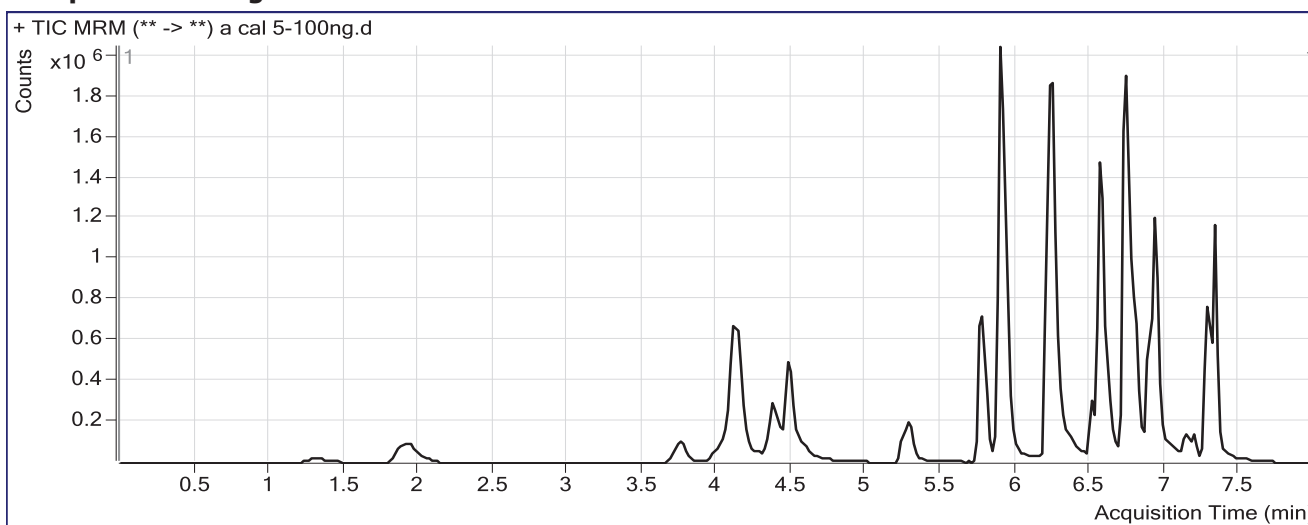
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	C:\MassHunter\Data\2017\MD Quant\12-12-17 Panel 1 CS\QuantResults\MDQ Panel 1a 12-12-17 CS.batch.bin		
<b>Analysis Time</b>	12/21/2017 10:25 AM	<b>Analyst Name</b>	ISPUser
<b>Report Time</b>	12/21/2017 11:30 AM	<b>Reporter Name</b>	ISPUser
<b>Last Calib Update</b>	12/21/2017 10:25 AM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2017-12-13 00:19	<b>Data File</b>	a cal 5-100ng.d
<b>Sample Type</b>	Calibration	<b>Sample Name</b>	a cal 5-100ng
<b>Dilution</b>	1	<b>Acq Method</b>	MD Quant Panel 1a 12-12-17.m
<b>Position</b>	P1-E1	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	AM 28

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.308	97593	29069	3.3572	97.6733
Hydromorphone	Hydromorphone-D6	1.929	366670	119136	3.0777	99.2710
Codeine	Codeine-D6	3.752	134847	53269	2.5314	99.2249
Oxycodone	Oxycodone-D6	4.106	1012303	382977	2.6432	99.6503
Amphetamine	Amphetamine-D11	4.143	1449331	224445	6.4574	103.1891
Hydrocodone	Hydrocodone-D6	4.371	375083	218746	1.7147	102.0790
Norhydrocodone	Norhydrocodone-D3	4.415	12450	39625	0.3142	85.3769
Methamphetamine	Methamphetamine-D11	4.479	1633695	441751	3.6982	100.2359
6-MAM	6-MAM-D6	4.587	14376	64284	0.2236	9.3345
Phentermine	Phentermine-D5	5.303	585296	451533	1.2962	114.7879
Dextroprphan	Dextroprphan-D3	5.781	716083	600567	1.1923	99.5054
7-aminoclonazepam	7-Aminoclonazepam-D4	5.871	458062	184429	2.4837	103.9081
Tramadol	Tramadol-13C-D3	5.918	4463727	2012938	2.2175	97.0573
Doxylamine	Doxylamine-D5	6.241	3470274	1443757	2.4036	97.1112
Zolpidem	Zolpidem-D6	6.576	2658754	1206784	2.2032	114.7566
Meprobamate	Meprobamate-D7	6.591	224304	71909	3.1193	99.8727
Venlafaxine	Venlafaxine-D6	6.741	3447140	1385825	2.4874	94.3354
Trazodone	Trazodone-D6	6.793	786368	285598	2.7534	88.6043
Citalopram	Citalopram-D6	6.876	608350	303086	2.0072	92.0588
Dextromethorphan	Dextromethorphan-D3	6.906	210970	78508	2.6872	95.5936

# ISP FORENSICS - Pocatello Instrument # 59740

## Multi-Drug Confirmatory Analysis Report

Panel 1a Cal 5

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Diphenhydramine	Diphenhydramine-D3	6.930	1438359	724848	1.9844	97.6519
Promethazine	Promethazine-D3	7.146	200249	76411	2.6207	96.6037
Clonazepam	Clonazepam-D4	7.181	163242	16021	10.1895	94.4899
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.259	82552	33619	2.4555	102.5137
Carisoprodol	Carisoprodol-D7	7.290	740333	277964	2.6634	113.0239
Lorazepam	Alprazolam-D5	7.301	98350	399492	0.2462	96.0833
Alprazolam	Alprazolam-D5	7.325	1294133	399492	3.2394	95.6775

# ISP FORENSICS - Pocatello Instrument # 59740

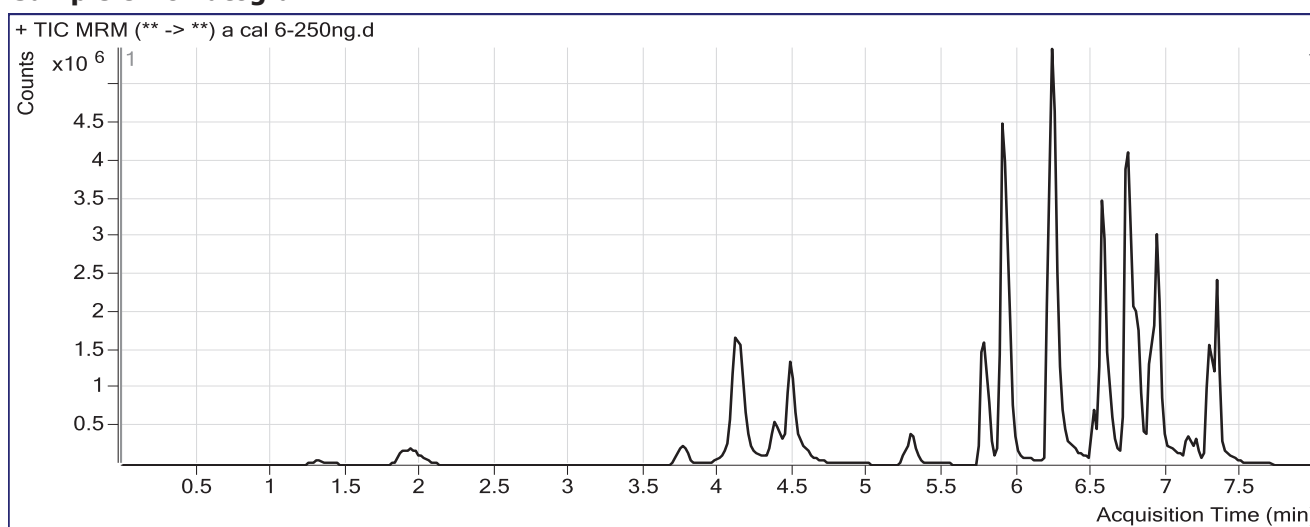
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	C:\MassHunter\Data\2017\MD Quant\12-12-17 Panel 1 CS\QuantResults\MDQ Panel 1a 12-12-17 CS.batch.bin		
<b>Analysis Time</b>	12/21/2017 10:25 AM	<b>Analyst Name</b>	ISPUser
<b>Report Time</b>	12/21/2017 11:30 AM	<b>Reporter Name</b>	ISPUser
<b>Last Calib Update</b>	12/21/2017 10:25 AM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2017-12-13 00:50	<b>Data File</b>	a cal 6-250ng.d
<b>Sample Type</b>	Calibration	<b>Sample Name</b>	a cal 6-250ng
<b>Dilution</b>	1	<b>Acq Method</b>	MD Quant Panel 1a 12-12-17.m
<b>Position</b>	P1-F1	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	AM 28

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.328	244089	27472	8.8850	255.8042
Hydromorphone	Hydromorphone-D6	1.929	924298	114203	8.0934	259.6144
Codeine	Codeine-D6	3.752	312648	52624	5.9411	231.2155
Oxycodone	Oxycodone-D6	4.106	2744510	388595	7.0626	265.0226
Amphetamine	Amphetamine-D11	4.143	3918374	232026	16.8877	273.9596
Hydrocodone	Hydrocodone-D6	4.371	952907	216857	4.3942	261.1783
Norhydrocodone	Norhydrocodone-D3	4.415	33013	35356	0.9337	248.5927
Methamphetamine	Methamphetamine-D11	4.479	3872696	472483	8.1965	221.8423
6-MAM	6-MAM-D6	4.587	38850	64456	0.6027	24.7739
Phentermine	Phentermine-D5	5.303	1354967	522016	2.5956	229.8593
Dextroprphan	Dextroprphan-D3	5.781	1930917	618628	3.1213	258.7821
7-aminoclonazepam	7-Aminoclonazepam-D4	5.871	1173422	186746	6.2835	264.5804
Tramadol	Tramadol-13C-D3	5.919	11988837	2096439	5.7187	249.9627
Doxylamine	Doxylamine-D5	6.221	9685591	1575180	6.1489	247.5386
Zolpidem	Zolpidem-D6	6.555	6952124	1376283	5.0514	263.7623
Meprobamate	Meprobamate-D7	6.591	572746	72757	7.8720	250.0629
Venlafaxine	Venlafaxine-D6	6.741	8922733	1504998	5.9287	222.2704
Trazodone	Trazodone-D6	6.793	2342611	283056	8.2761	264.0714
Citalopram	Citalopram-D6	6.876	1786047	328125	5.4432	248.1510
Dextromethorphan	Dextromethorphan-D3	6.906	655236	88873	7.3728	261.3376



# ISP FORENSICS - Pocatello Instrument # 59740

## Multi-Drug Confirmatory Analysis Report

Panel 1a Cal 6

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Diphenhydramine	Diphenhydramine-D3	6.930	4537138	847821	5.3515	262.2791
Promethazine	Promethazine-D3	7.146	676210	96034	7.0413	256.4685
Clonazepam	Clonazepam-D4	7.181	456706	14816	30.8246	281.4062
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.259	215461	34358	6.2711	259.8661
Carisoprodol	Carisoprodol-D7	7.290	1466837	262921	5.5790	236.7893
Lorazepam	Alprazolam-D5	7.301	249823	363548	0.6872	263.9664
Alprazolam	Alprazolam-D5	7.325	3101993	363548	8.5325	251.0079

# ISP FORENSICS - Pocatello Instrument # 59740

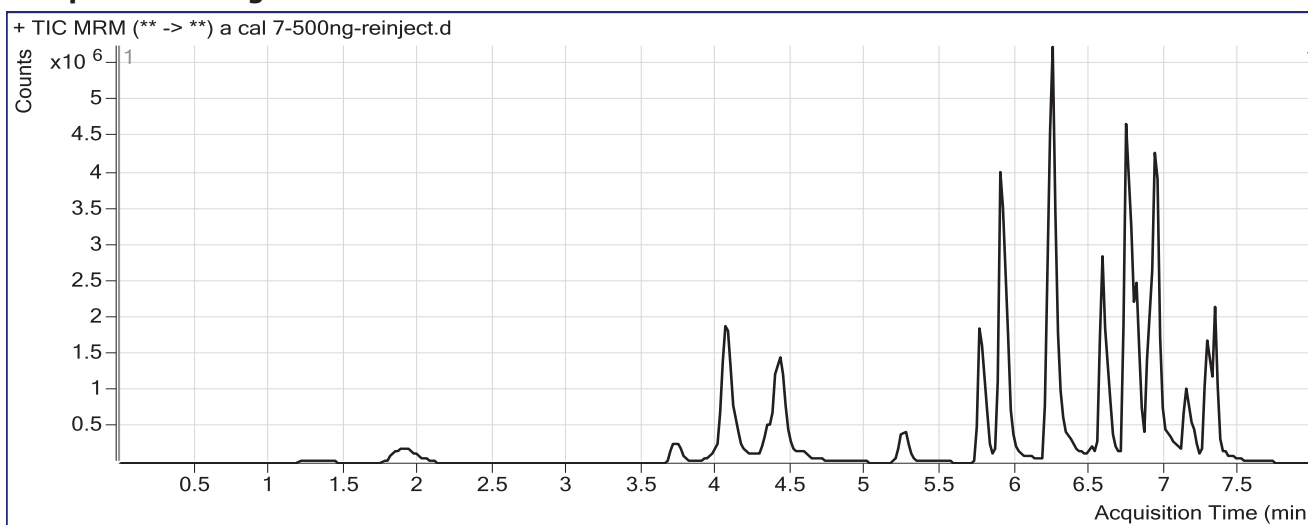
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	C:\MassHunter\Data\2017\MD Quant\12-12-17 Panel 1 CS\QuantResults\MDQ Panel 1a 12-12-17 CS.batch.bin		
<b>Analysis Time</b>	12/21/2017 10:25 AM	<b>Analyst Name</b>	ISPUser
<b>Report Time</b>	12/21/2017 11:41 AM	<b>Reporter Name</b>	ISPUser
<b>Last Calib Update</b>	12/21/2017 10:25 AM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2017-12-14 11:28	<b>Data File</b>	a cal 7-500ng-reinject.d
<b>Sample Type</b>	Calibration	<b>Sample Name</b>	a cal 7-500ng
<b>Dilution</b>	1	<b>Acq Method</b>	MD Quant Panel 1a 12-12-17.m
<b>Position</b>	P1-G1	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	AM 28

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.308	260287	15952	16.3169	468.4100
Hydromorphone	Hydromorphone-D6	1.929	1025349	62868	16.3097	522.2736
Codeine	Codeine-D6	3.732	349758	28032	12.4773	484.2312
Oxycodone	Oxycodone-D6	4.066	3025044	216055	14.0013	524.6627
Amphetamine	Amphetamine-D11	4.063	4126134	140852	29.2942	477.0859
Hydrocodone	Hydrocodone-D6	4.331	1040826	120566	8.6329	512.8597
Norhydrocodone	Norhydrocodone-D3	4.375	39935	21950	1.8193	481.9023
Methamphetamine	Methamphetamine-D11	4.419	5126105	269603	19.0135	514.2707
6-MAM	6-MAM-D6	4.567	41753	35341	1.1814	48.3425
Phentermine	Phentermine-D5	5.261	1731354	266333	6.5007	575.6812
Dextroprphan	Dextroprphan-D3	5.760	2312597	365424	6.3285	523.6101
7-aminoclonazepam	7-Aminoclonazepam-D4	5.871	553928	39459	14.0381	592.4758
Tramadol	Tramadol-13C-D3	5.898	12601170	1085912	11.6042	507.0026
Doxylamine	Doxylamine-D5	6.241	10389481	855492	12.1445	488.3508
Zolpidem	Zolpidem-D6	6.576	5369176	535296	10.0303	524.2382
Meprobamate	Meprobamate-D7	6.591	718846	45797	15.6963	497.3142
Venlafaxine	Venlafaxine-D6	6.741	9234007	716391	12.8896	481.0502
Trazodone	Trazodone-D6	6.793	3095165	213840	14.4742	460.9956
Citalopram	Citalopram-D6	6.896	3029086	273266	11.0847	504.4382
Dextromethorphan	Dextromethorphan-D3	6.927	1248961	87876	14.2127	503.2928

# ISP FORENSICS - Pocatello Instrument # 59740

## Multi-Drug Confirmatory Analysis Report

Panel 1a Cal 7

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Diphenhydramine	Diphenhydramine-D3	6.950	6597155	652196	10.1153	495.1889
Promethazine	Promethazine-D3	7.146	2053275	146742	13.9924	507.8407
Clonazepam	Clonazepam-D4	7.181	400831	7280	55.0586	500.9221
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.259	241288	20638	11.6914	483.3986
Carisoprodol	Carisoprodol-D7	7.290	1879576	147313	12.7590	541.5768
Lorazepam	Alprazolam-D5	7.301	263532	151498	1.7395	664.5833
Alprazolam	Alprazolam-D5	7.325	2624478	151498	17.3236	508.9874

# ISP FORENSICS - Pocatello Instrument # 59740

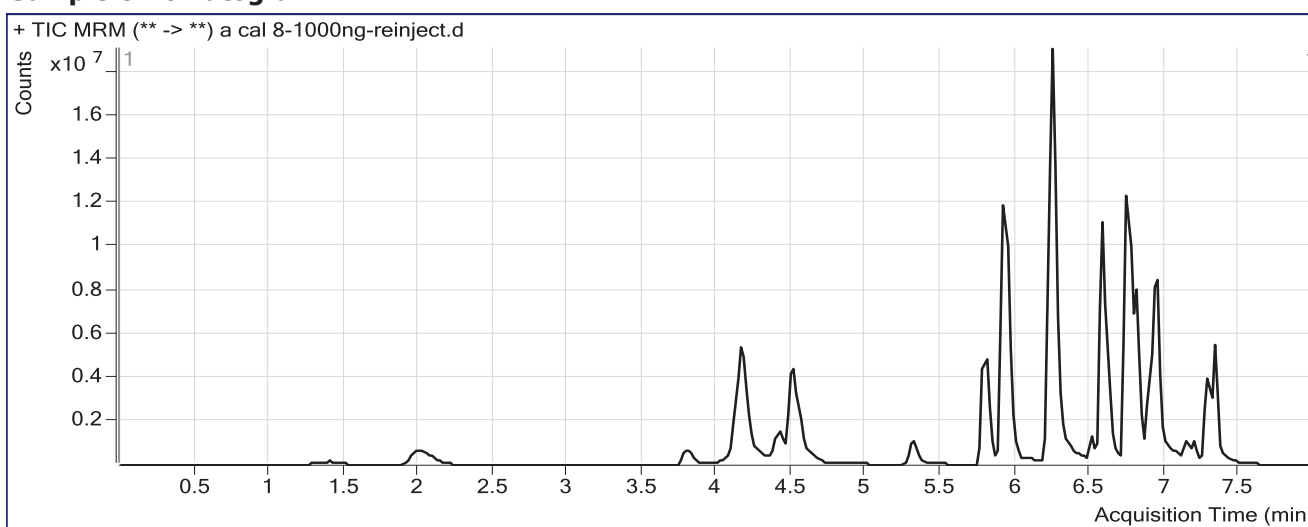
## Multi-Drug Confirmatory Analysis Report

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<b>Analysis Time</b>	12/21/2017 10:25 AM	<b>Analyst Name</b>	ISPUser
<b>Report Time</b>	12/21/2017 11:41 AM	<b>Reporter Name</b>	ISPUser
<b>Last Calib Update</b>	12/21/2017 10:25 AM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2017-12-14 10:18	<b>Data File</b>	a cal 8-1000ng-reinject.d
<b>Sample Type</b>	Calibration	<b>Sample Name</b>	a cal 8-1000ng
<b>Dilution</b>	1	<b>Acq Method</b>	MD Quant Panel 1a 12-12-17.m
<b>Position</b>	P1-H1	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	AM 28

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.368	729543	20280	35.9738	1030.7327
Hydromorphone	Hydromorphone-D6	2.009	3256448	101474	32.0913	1026.7863
Codeine	Codeine-D6	3.810	1011911	37872	26.7191	1035.5345
Oxycodone	Oxycodone-D6	4.146	10021406	367486	27.2702	1021.1813
Amphetamine	Amphetamine-D11	4.183	11989825	228470	52.4788	856.6776
Hydrocodone	Hydrocodone-D6	4.411	3196141	195073	16.3844	973.1211
Norhydrocodone	Norhydrocodone-D3	4.455	131403	29402	4.4692	1180.0030
Methamphetamine	Methamphetamine-D11	4.521	16004474	399546	40.0567	1083.1530
6-MAM	6-MAM-D6	4.628	137178	54643	2.5104	102.4670
Phentermine	Phentermine-D5	5.323	4661738	443141	10.5198	931.5977
Dextroprphan	Dextroprphan-D3	5.801	6160791	504688	12.2071	1009.0164
7-aminoclonazepam	7-Aminoclonazepam-D4	5.890	3470267	166118	20.8904	882.2159
Tramadol	Tramadol-13C-D3	5.919	37884006	1661766	22.7974	995.8426
Doxylamine	Doxylamine-D5	6.241	35045984	1252809	27.9739	1124.1421
Zolpidem	Zolpidem-D6	6.576	23146120	1283696	18.0308	942.7916
Meprobamate	Meprobamate-D7	6.611	1818674	57230	31.7785	1005.5196
Venlafaxine	Venlafaxine-D6	6.741	31516652	1111126	28.3646	1056.3527
Trazodone	Trazodone-D6	6.793	9472537	253207	37.4102	1189.7134
Citalopram	Citalopram-D6	6.896	6057697	275003	22.0278	1001.5638
Dextromethorphan	Dextromethorphan-D3	6.927	2086208	74657	27.9441	989.0206

# ISP FORENSICS - Pocatello Instrument # 59740

## Multi-Drug Confirmatory Analysis Report

Panel 1a Cal 8

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Diphenhydramine	Diphenhydramine-D3	6.950	14765099	724137	20.3899	997.5347
Promethazine	Promethazine-D3	7.146	2028754	74318	27.2983	989.0242
Clonazepam	Clonazepam-D4	7.181	1453512	16053	90.5443	822.3587
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.239	485068	31385	15.4555	638.6272
Carisoprodol	Carisoprodol-D7	7.290	3800561	172254	22.0637	936.5536
Lorazepam	Alprazolam-D5	7.301	901785	226420	3.9828	1518.5874
Alprazolam	Alprazolam-D5	7.325	7856586	226420	34.6992	1018.8898

# ISP FORENSICS - Pocatello Instrument # 59740

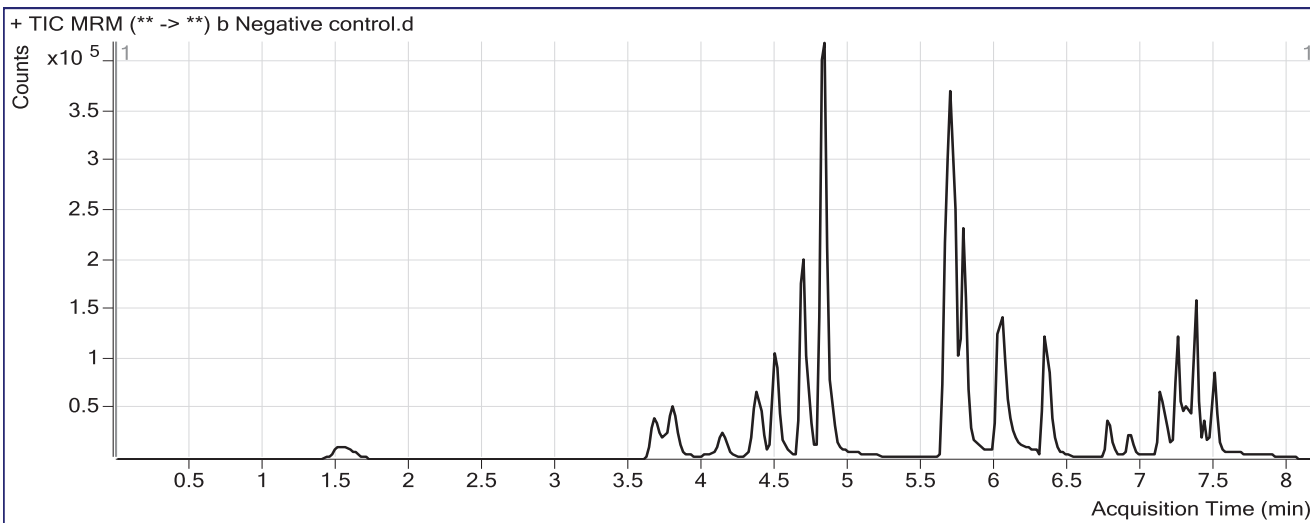
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	C:\MassHunter\Data\2017\MD Quant\12-12-17 Panel 1 CS\QuantResults\MDQ Panel 1b 12-12-17 CS.batch.bin		
<b>Analysis Time</b>	12/21/2017 11:00 AM	<b>Analyst Name</b>	ISPUser
<b>Report Time</b>	12/21/2017 11:07 AM	<b>Reporter Name</b>	ISPUser
<b>Last Calib Update</b>	12/21/2017 11:00 AM	<b>Batch State</b>	Processed

**Analysis Info**

<b>Acq Time</b>	2017-12-13 02:44	<b>Data File</b>	b Negative control.d
<b>Sample Type</b>	Sample	<b>Sample Name</b>	b Negative control
<b>Dilution</b>	1	<b>Acq Method</b>	MD Quant Panel 1b 12-12-17.m
<b>Position</b>	P1-F2	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	AM 28

**Sample Chromatogram**



**Results**

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Buprenorphine	Buprenorphine-D4	7.355	330	52448	0.0063	0.2867 None detected

# ISP FORENSICS - Pocatello Instrument # 59740

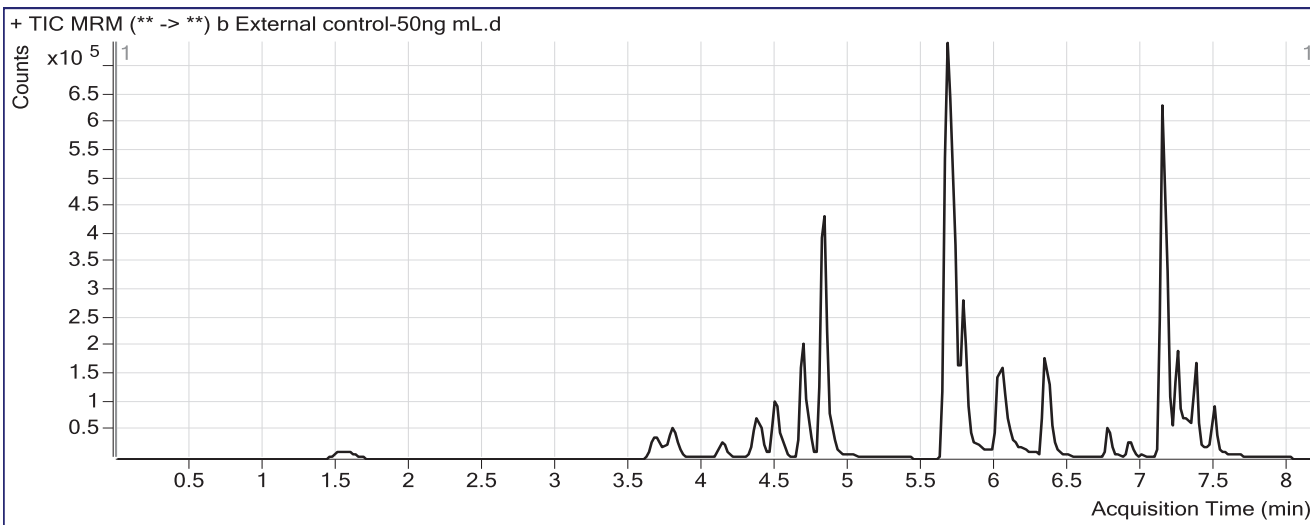
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	C:\MassHunter\Data\2017\MD Quant\12-12-17 Panel 1 CS\QuantResults\MDQ Panel 1b 12-12-17 CS.batch.bin		
<b>Analysis Time</b>	12/21/2017 11:00 AM	<b>Analyst Name</b>	ISPUser
<b>Report Time</b>	12/21/2017 11:07 AM	<b>Reporter Name</b>	ISPUser
<b>Last Calib Update</b>	12/21/2017 11:00 AM	<b>Batch State</b>	Processed

**Analysis Info**

<b>Acq Time</b>	2017-12-13 03:15	<b>Data File</b>	b External control-50ng mL.d
<b>Sample Type</b>	Sample	<b>Sample Name</b>	b External control-50ng mL
<b>Dilution</b>	1	<b>Acq Method</b>	MD Quant Panel 1b 12-12-17.m
<b>Position</b>	P1-G2	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	AM 28; WS121217 50 ng trazodone, ketamine, morphine, quetiapine

**Sample Chromatogram**



**Results**

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Ketamine	Ketamine-D4	5.681	1377596	912357	1.5099	65.6716
Quetiapine	Quetiapine-D8	7.138	1057666	196735	5.3761	53.5232
Buprenorphine	Buprenorphine-D4	7.355	103	75809	0.0014	0.1790 None Detected

# ISP FORENSICS - Pocatello Instrument # 59740

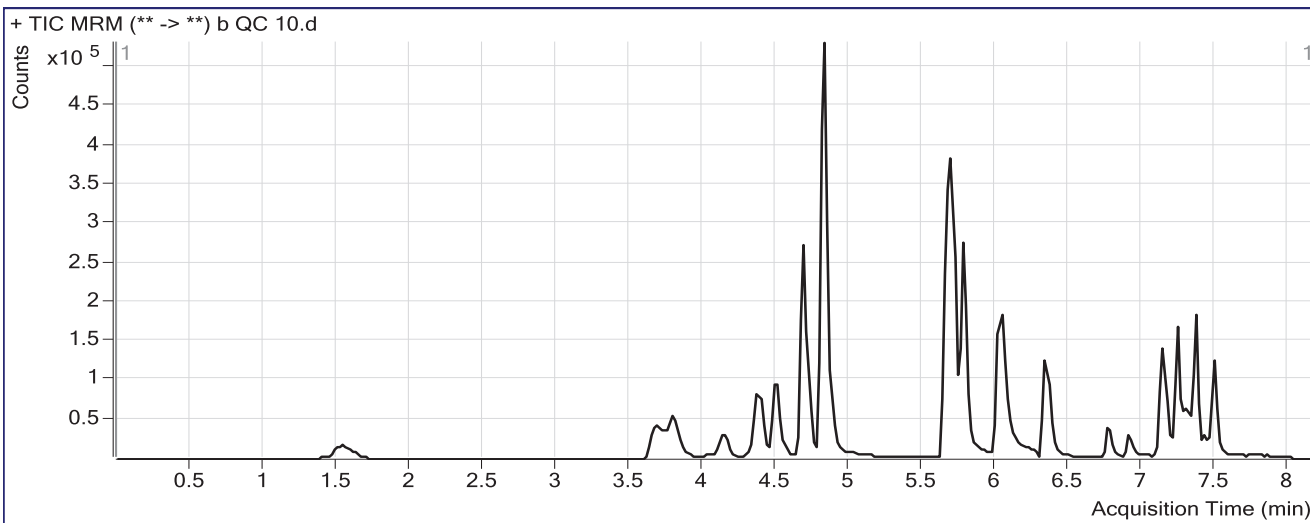
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	C:\MassHunter\Data\2017\MD Quant\12-12-17 Panel 1 CS\QuantResults\MDQ Panel 1b 12-12-17 CS.batch.bin		
<b>Analysis Time</b>	12/21/2017 11:00 AM	<b>Analyst Name</b>	ISPUser
<b>Report Time</b>	12/21/2017 11:07 AM	<b>Reporter Name</b>	ISPUser
<b>Last Calib Update</b>	12/21/2017 11:00 AM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2017-12-13 03:47	<b>Data File</b>	b QC 10.d
<b>Sample Type</b>	QC	<b>Sample Name</b>	b QC 10
<b>Dilution</b>	1	<b>Acq Method</b>	MD Quant Panel 1b 12-12-17.m
<b>Position</b>	P1-A2	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	AM 28

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc	
Oxymorphone	Oxymorphone-D3	1.548	33007	121882	0.2708	10.0739	
Dihydrocodeine	Dihydrocodeine-D6	3.735	32920	174290	0.1889	9.4894	
Naloxone	Naloxone-D5	3.851	41744	264368	0.1579	9.8030	
Noroxycodone	Noroxycodone-D3	4.179	30824	120361	0.2561	9.9287	
Naltrexone	Naltrexone-D3	4.391	53073	258047	0.2057	9.8413	
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.563	9667	378749	0.0255	1.0184	
Naltrexol	Naltrexol-D3	4.689	151213	645585	0.2342	9.2260	
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	4.838	350806	1478937	0.2372	9.9144	
Ketamine	Ketamine-D4	5.681	176152	699260	0.2519	11.7121	
Norfentanyl	Norfentanyl-D5	5.722	14985	727940	0.0206	1.1056	
alpha-PVP	alpha-PVP-d8	6.047	125910	659148	0.1910	9.7793	
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.358	5472	415386	0.0132	1.1080	
Norbuprenorphine	Norbuprenorphine-D3	6.692	74	4253	0.0174	0.7282	Not evaluated
Fentanyl	Fentanyl-D5	6.780	2236	119680	0.0187	1.2871	
EDDP	EDDP-D3	6.910	14435	71786	0.2011	10.4235	
Quetiapine	Quetiapine-D8	7.138	162915	154478	1.0546	11.0224	
Sufentanil	Sufentanil-D5	7.138	1491	38706	0.0385	1.7935	
Cyclobenzaprine	Cyclobenzaprine-D3	7.212	7963	30653	0.2598	11.1525	
Methadone	Methadone-D9	7.242	82199	244615	0.3360	13.5655	



CS

# ISP FORENSICS - Pocatello Instrument # 59740

## Multi-Drug Confirmatory Analysis Report

Panel 1b QC 10

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc	
<del>Fluoxetine</del>	<del>Fluoxetine-D6</del>	<del>7.284</del>	<del>10524</del>	<del>43954</del>	<del>0.2394</del>	<del>11.1196</del>	<del>outside range of curve</del>
Oxazepam	Oxazepam-D5	7.309	8799	47678	0.1845	13.0797	CS
Sertraline	Sertraline-D3	7.345	3242	11696	0.2771	11.3736	
<del>Buprenorphine</del>	<del>Buprenorphine-D4</del>	<del>7.376</del>	<del>2580</del>	<del>63780</del>	<del>0.0405</del>	<del>1.0319</del>	<del>Not evaluated</del>
Temazepam	Temazepam-D5	7.367	50067	313069	0.1599	9.5978	CS
Nordiazepam	Temazepam-D5	7.434	15997	313069	0.0511	9.6740	
Diazepam	Diazepam-D5	7.490	36398	148553	0.2450	10.4948	

# ISP FORENSICS - Pocatello Instrument # 59740

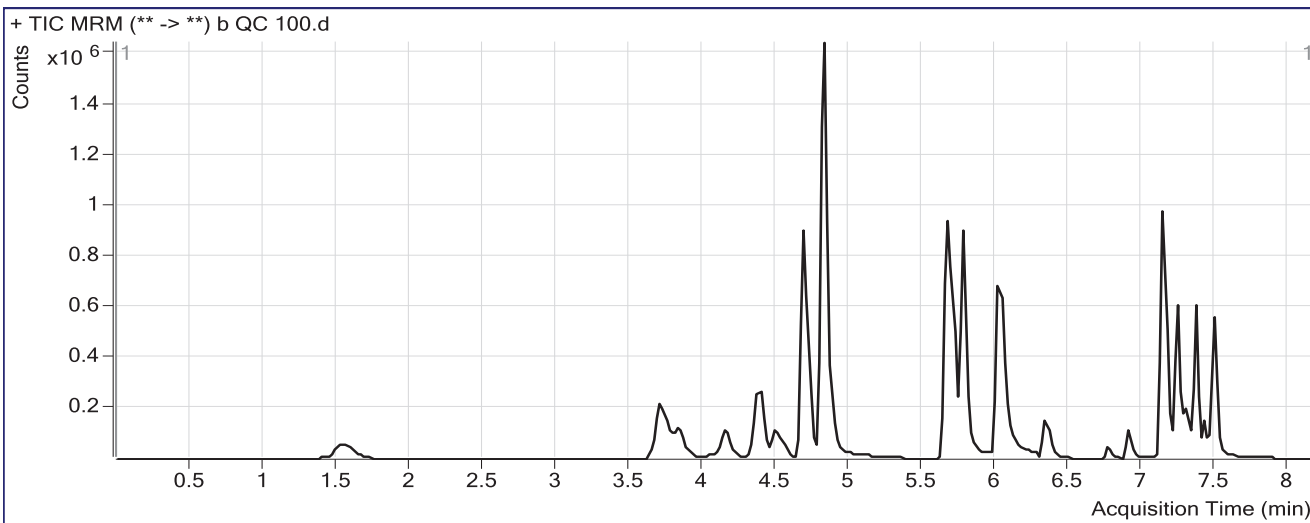
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** C:\MassHunter\Data\2017\MD Quant\12-12-17 Panel 1 CS\QuantResults\MDQ Panel 1b 12-12-17 CS.batch.bin  
**Analysis Time** 12/21/2017 11:00 AM **Analyst Name** ISPUser  
**Report Time** 12/21/2017 11:08 AM **Reporter Name** ISPUser  
**Last Calib Update** 12/21/2017 11:00 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2017-12-13 07:46 **Data File** b QC 100.d  
**Sample Type** QC **Sample Name** b QC 100  
**Dilution** 1 **Acq Method** MD Quant Panel 1b 12-12-17.m  
**Position** P1-B2 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc	
Oxymorphone	Oxymorphone-D3	1.548	356867	122768	2.9068	97.3481	
Dihydrocodeine	Dihydrocodeine-D6	3.715	388467	187242	2.0747	111.4872	
Naloxone	Naloxone-D5	3.851	428463	246444	1.7386	96.0090	
Noroxycodone	Noroxycodone-D3	4.179	341799	125390	2.7259	93.0147	
Naltrexone	Naltrexone-D3	4.391	507168	234662	2.1613	99.3940	
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.543	106894	385069	0.2776	9.9874	
Naltrexol	Naltrexol-D3	4.689	1626456	671725	2.4213	104.5496	
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	4.838	3994053	1648171	2.4233	94.6209	
Ketamine	Ketamine-D4	5.681	1773388	866811	2.0459	88.6596	
Norfentanyl	Norfentanyl-D5	5.722	177306	778663	0.2277	9.6769	
alpha-PVP	alpha-PVP-d8	6.027	1417383	708319	2.0011	95.2549	
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.358	54793	404888	0.1353	9.0990	
Norbuprenorphine	Norbuprenorphine-D3	6.672	707	3560	0.1986	9.0508	Not evaluated
Fentanyl	Fentanyl-D5	6.780	20871	114533	0.1822	8.6656	
EDDP	EDDP-D3	6.910	183128	90056	2.0335	98.7495	
Quetiapine	Quetiapine-D8	7.138	1743519	154675	11.2722	111.5101	
Sufentanil	Sufentanil-D5	7.158	7191	39939	0.1800	7.9672	
Cyclobenzaprine	Cyclobenzaprine-D3	7.212	67291	29416	2.2876	86.8204	
Methadone	Methadone-D9	7.242	841499	312842	2.6899	101.1423	

CS

# ISP FORENSICS - Pocatello Instrument # 59740

## Multi-Drug Confirmatory Analysis Report

Panel 1b QC 100

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc	
Fluoxetine	Fluoxetine-D6	7.284	99383	42999	2.3113	95.1068	
Oxazepam	Oxazepam-D5	7.308	100788	55011	1.8321	89.6355	
Sertraline	Sertraline-D3	7.345	30802	12827	2.4013	103.1379	
<del>Buprenorphine</del>	<del>Buprenorphine-D4</del>	<del>7.355</del>	<del>16695</del>	<del>46838</del>	<del>0.3564</del>	<del>7.9249</del>	Not evaluated CS
Temazepam	Temazepam-D5	7.367	653657	351840	1.8578	93.5303	
Nordiazepam	Temazepam-D5	7.434	176565	351840	0.5018	85.2001	
Diazepam	Diazepam-D5	7.490	440489	157771	2.7919	102.9338	

# ISP FORENSICS - Pocatello Instrument # 59740

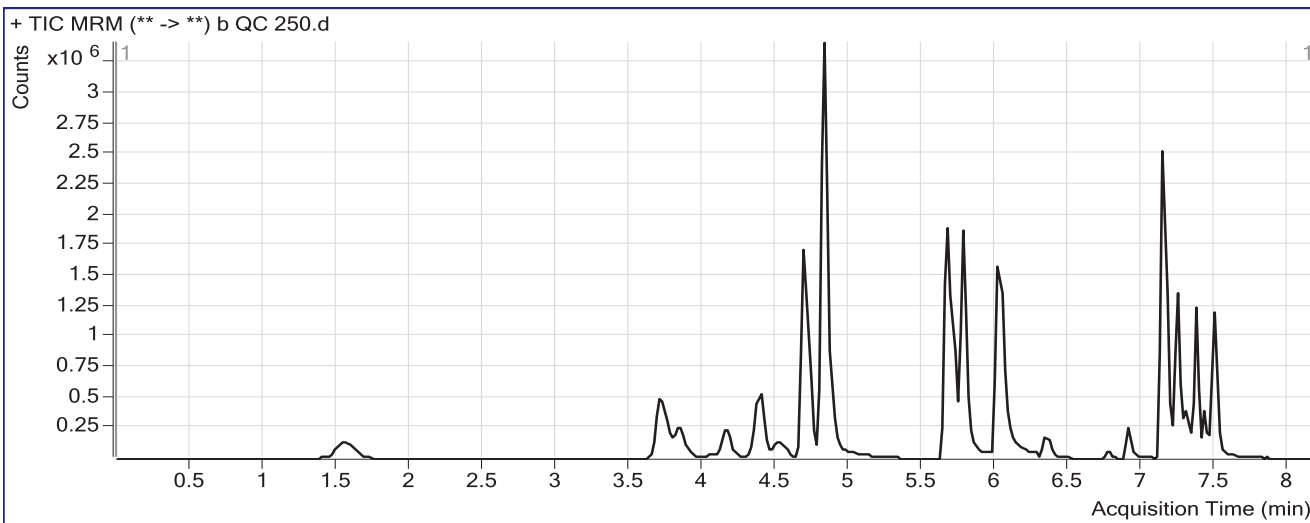
## Multi-Drug Confirmatory Analysis Report

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<b>Analysis Time</b>	12/21/2017 11:00 AM	<b>Analyst Name</b>	ISPUser
<b>Report Time</b>	12/21/2017 11:09 AM	<b>Reporter Name</b>	ISPUser
<b>Last Calib Update</b>	12/21/2017 11:00 AM	<b>Batch State</b>	Processed

**Analysis Info**

<b>Acq Time</b>	2017-12-13 11:30	<b>Data File</b>	b QC 250.d
<b>Sample Type</b>	QC	<b>Sample Name</b>	b QC 250
<b>Dilution</b>	1	<b>Acq Method</b>	MD Quant Panel 1b 12-12-17.m
<b>Position</b>	P1-C2	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	AM 28

**Sample Chromatogram**



**Results**

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.548	899929	115724	7.7765	258.5741
Dihydrocodeine	Dihydrocodeine-D6	3.715	959604	191550	5.0097	270.2344
Naloxone	Naloxone-D5	3.851	989508	205739	4.8095	263.4902
Noroxycodone	Noroxycodone-D3	4.179	839558	114317	7.3441	248.3768
Naltrexone	Naltrexone-D3	4.391	1095003	194962	5.6165	257.6187
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.563	283996	379534	0.7483	26.7347
Naltrexol	Naltrexol-D3	4.689	3726728	592405	6.2908	273.2020
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	4.838	9999943	1579934	6.3293	245.9689
Ketamine	Ketamine-D4	5.681	4918438	839046	5.8619	252.3398
Norfentanyl	Norfentanyl-D5	5.722	437904	788509	0.5554	23.2362
alpha-PVP	alpha-PVP-d8	6.027	3538818	675192	5.2412	248.2655
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.358	142143	393230	0.3615	23.8928
Norbuprenorphine	Norbuprenorphine-D3	6.692	1933	3231	0.5982	27.4041
Fentanyl	Fentanyl-D5	6.780	47937	93082	0.5150	23.6792
EDDP	EDDP-D3	6.910	490493	74250	6.6059	319.1500
Quetiapine	Quetiapine-D8	7.138	4678695	173730	26.9308	265.5098
Sufentanil	Sufentanil-D5	7.158	23315	37643	0.6194	27.1325
Cyclobenzaprine	Cyclobenzaprine-D3	7.212	156070	24255	6.4345	241.5606
Methadone	Methadone-D9	7.242	2144515	302196	7.0964	265.0947

Not evaluated CS

CS

# ISP FORENSICS - Pocatello Instrument # 59740

## Multi-Drug Confirmatory Analysis Report

Panel 1b QC 250

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc	
Fluoxetine	Fluoxetine-D6	7.284	197961	32894	6.0181	245.3732	
Oxazepam	Oxazepam-D5	7.309	242493	48578	4.9918	236.4492	
Sertraline	Sertraline-D3	7.345	61090	9891	6.1765	266.2331	
<del>Buprenorphine</del>	<del>Buprenorphine-D4</del>	<del>7.355</del>	<del>38575</del>	<del>33134</del>	<del>1.1642</del>	<del>25.5454</del>	Not evaluated
Temazepam	Temazepam-D5	7.367	1608576	337602	4.7647	237.2263	CS
Nordiazepam	Temazepam-D5	7.434	471256	337602	1.3959	235.0090	
Diazepam	Diazepam-D5	7.490	1053563	145012	7.2653	265.2921	

# ISP FORENSICS - Pocatello Instrument # 59740

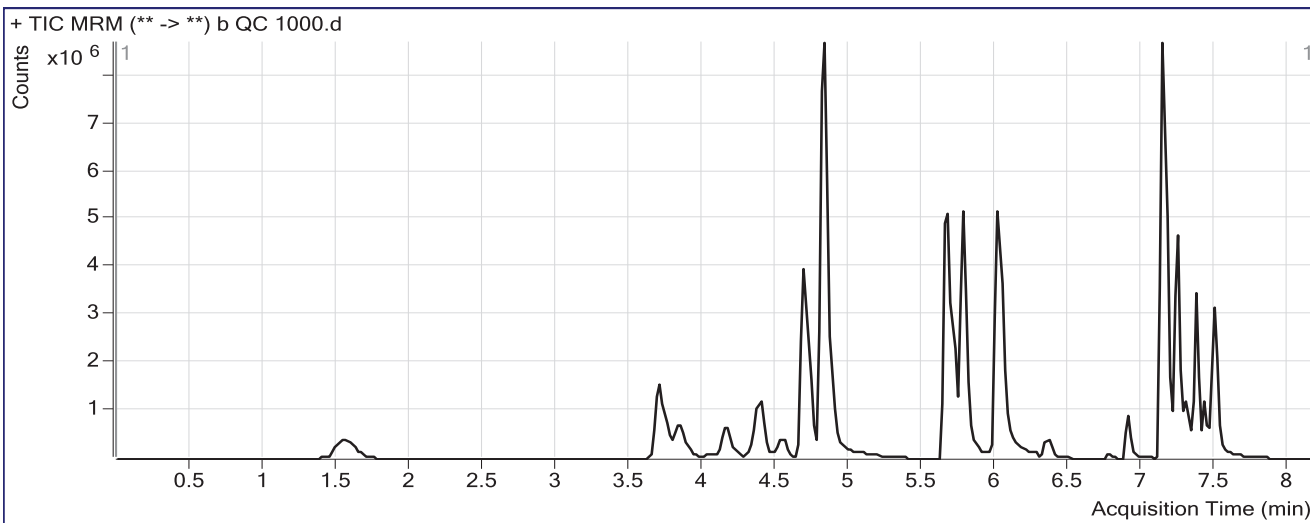
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	C:\MassHunter\Data\2017\MD Quant\12-12-17 Panel 1 CS\QuantResults\MDQ Panel 1b 12-12-17 CS.batch.bin		
<b>Analysis Time</b>	12/21/2017 11:00 AM	<b>Analyst Name</b>	ISPUser
<b>Report Time</b>	12/21/2017 11:09 AM	<b>Reporter Name</b>	ISPUser
<b>Last Calib Update</b>	12/21/2017 11:00 AM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2017-12-13 15:49	<b>Data File</b>	b QC 1000.d
<b>Sample Type</b>	QC	<b>Sample Name</b>	b QC 1000
<b>Dilution</b>	1	<b>Acq Method</b>	MD Quant Panel 1b 12-12-17.m
<b>Position</b>	P1-D2	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	AM 28

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.548	2999729	99977	30.0041	994.4901
Dihydrocodeine	Dihydrocodeine-D6	3.715	2997013	167722	17.8689	965.7569
Naloxone	Naloxone-D5	3.851	2866819	131842	21.7444	1187.0692
Noroxycodone	Noroxycodone-D3	4.179	2490343	84024	29.6386	998.3857
Naltrexone	Naltrexone-D3	4.391	2726515	126988	21.4706	983.6240
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.563	1028672	318397	3.2308	115.0652
Naltrexol	Naltrexol-D3	4.689	10138326	438151	23.1389	1007.5198
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	4.838	32122090	1271390	25.2653	979.6882
Ketamine	Ketamine-D4	5.681	14756904	711955	20.7273	889.9518
Norfentanyl	Norfentanyl-D5	5.722	1663281	658709	2.5251	104.7491
alpha-PVP	alpha-PVP-d8	6.027	11276366	550966	20.4666	967.2563
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.358	592693	390822	1.5165	99.4525
Norbuprenorphine	Norbuprenorphine-D3	6.692	5365	2667	2.0116	92.3210
Fentanyl	Fentanyl-D5	6.780	176573	72506	2.4353	110.3151
EDDP	EDDP-D3	6.910	1815769	78257	23.2025	1119.1396
Quetiapine	Quetiapine-D8	7.138	14951999	160006	93.4466	919.6790
Sufentanil	Sufentanil-D5	7.158	89726	37280	2.4068	105.1059
Cyclobenzaprine	Cyclobenzaprine-D3	7.212	688364	22568	30.5018	1139.6218
Methadone	Methadone-D9	7.242	7881845	281230	28.0264	1043.8185

Not evaluated

CS

# ISP FORENSICS - Pocatello Instrument # 59740

## Multi-Drug Confirmatory Analysis Report

Panel 1b QC 1000

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc	
Fluoxetine	Fluoxetine-D6	7.284	613228	22135	27.7039	1124.4572	
Oxazepam	Oxazepam-D5	7.308	915120	48339	18.9311	884.1406	
Sertraline	Sertraline-D3	7.345	216594	9460	22.8965	988.5599	
<del>Buprenorphine</del>	<del>Buprenorphine-D4</del>	<del>7.355</del>	<del>92128</del>	<del>16582</del>	<del>5.5561</del>	<del>121.3474</del>	Not evaluated CS
Temazepam	Temazepam-D5	7.367	4769769	262195	18.1917	900.9626	
Nordiazepam	Temazepam-D5	7.434	1485639	262195	5.6662	950.5394	
Diazepam	Diazepam-D5	7.490	3253146	112221	28.9888	1053.7291	

# ISP FORENSICS - Pocatello Instrument # 59740

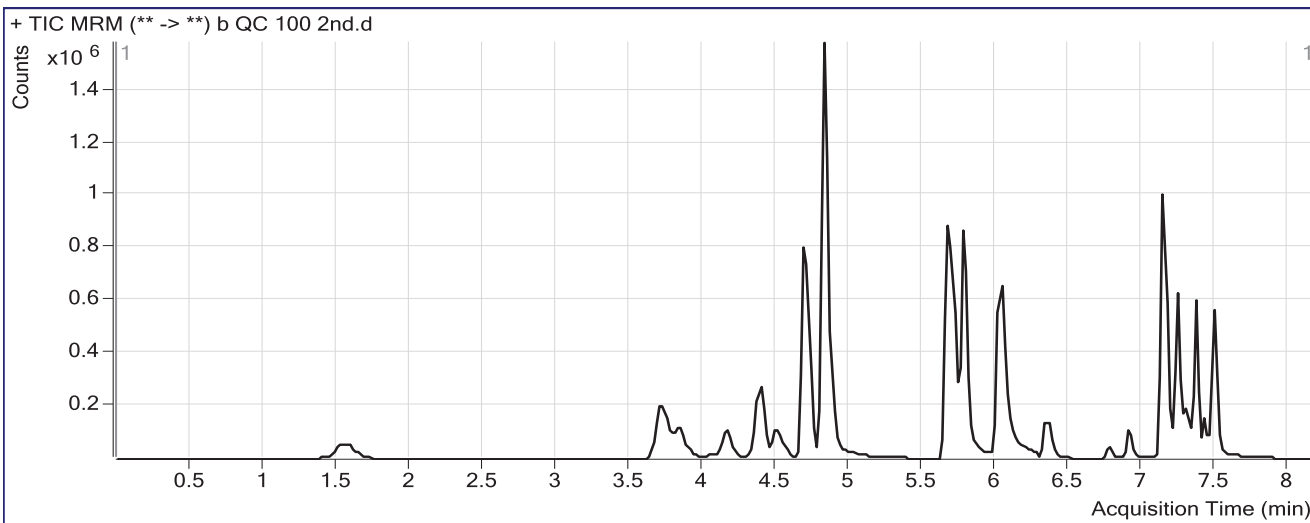
## Multi-Drug Confirmatory Analysis Report

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<b>Analysis Time</b>	12/21/2017 11:00 AM	<b>Analyst Name</b>	ISPUser
<b>Report Time</b>	12/21/2017 11:11 AM	<b>Reporter Name</b>	ISPUser
<b>Last Calib Update</b>	12/21/2017 11:00 AM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2017-12-14 01:01	<b>Data File</b>	b QC 100 2nd.d
<b>Sample Type</b>	QC	<b>Sample Name</b>	b QC 100 2nd
<b>Dilution</b>	1	<b>Acq Method</b>	MD Quant Panel 1b 12-12-17.m
<b>Position</b>	P1-E2	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	AM 28

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.568	342185	114304	2.9936	100.2215
Dihydrocodeine	Dihydrocodeine-D6	3.735	374419	187724	1.9945	107.1519
Naloxone	Naloxone-D5	3.851	414644	230102	1.8020	99.4680
Noroxycodone	Noroxycodone-D3	4.179	335062	116790	2.8689	97.8272
Naltrexone	Naltrexone-D3	4.391	493348	220739	2.2350	102.7693
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.563	107888	371113	0.2907	10.4542
Naltrexol	Naltrexol-D3	4.709	1535174	618728	2.4812	107.1587
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	4.838	3807269	1507063	2.5263	98.6103
Ketamine	Ketamine-D4	5.681	1900435	733396	2.5913	112.0533
Norfentanyl	Norfentanyl-D5	5.722	175519	710557	0.2470	10.4760
alpha-PVP	alpha-PVP-d8	6.047	1382046	678258	2.0376	96.9829
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.358	58026	413263	0.1404	9.4313
Norbuprenorphine	Norbuprenorphine-D3	6.692	613	3530	0.1737	7.9039
Fentanyl	Fentanyl-D5	6.780	20232	99554	0.2032	9.6131
EDDP	EDDP-D3	6.910	178618	82252	2.1716	105.4058
Quetiapine	Quetiapine-D8	7.138	1630305	165526	9.8492	97.5159
Sufentanil	Sufentanil-D5	7.158	9510	40065	0.2374	10.4672
Cyclobenzaprine	Cyclobenzaprine-D3	7.212	67165	27040	2.4839	94.1449
Methadone	Methadone-D9	7.242	838686	304711	2.7524	103.4693



# ISP FORENSICS - Pocatello Instrument # 59740

## Multi-Drug Confirmatory Analysis Report

Panel 1b QC 100 (2nd)

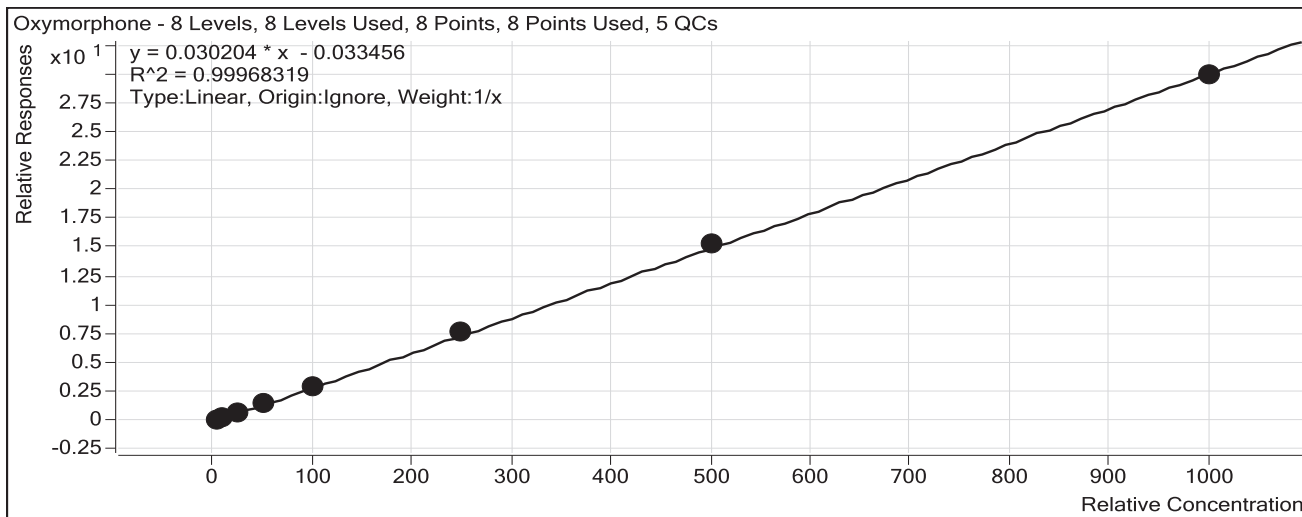
Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.284	93107	39720	2.3441	96.4374
Oxazepam	Oxazepam-D5	7.309	89586	52040	1.7215	84.4933
Sertraline	Sertraline-D3	7.345	29656	11638	2.5481	109.4821
Buprenorphine	Buprenorphine-D4	7.355	17100	48036	0.3560	7.9145
Temazepam	Temazepam-D5	7.367	643778	330464	1.9481	97.9931
Nordiazepam	Temazepam-D5	7.434	174310	330464	0.5275	89.4957
Diazepam	Diazepam-D5	7.490	445455	163931	2.7173	100.2258

# ISP Forensics Calibration Curve Report

CS

**Batch Data Path** C:\MassHunter\Data\2017\MD Quant\12-12-17 Panel 1 CS\QuantResults\MDQ Panel 1b 12-12-17 CS.batch.bin  
**Last Calib Update** 12/21/2017 11:00 AM **Analyst Name** ISP TOX

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



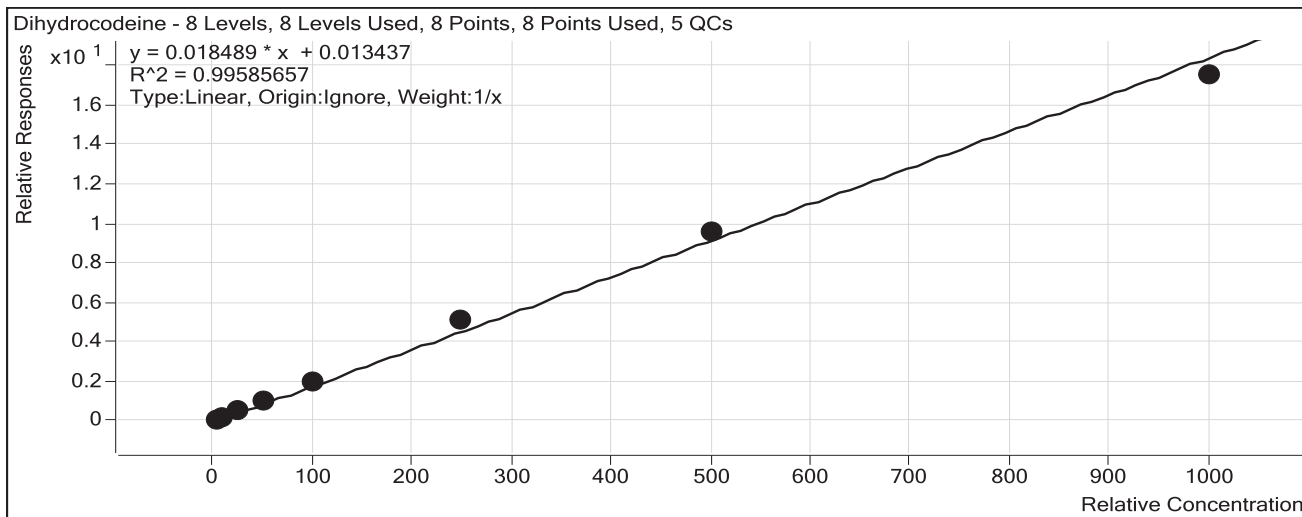
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b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.5	94.7
b QC 10	2	<input checked="" type="checkbox"/>	10	10.1	100.7
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.8	95.2
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.8	99.7
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.5	98.5
b QC 100	5	<input checked="" type="checkbox"/>	100	97.3	97.3
b QC 100 2nd	5	<input checked="" type="checkbox"/>	100	100.2	100.2
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	257.4	102.9
b QC 250	6	<input checked="" type="checkbox"/>	250	258.6	103.4
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	506.4	101.3
b QC 1000	8	<input checked="" type="checkbox"/>	1000	994.5	99.4
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	989.2	98.9

# ISP Forensics Calibration Curve Report

CS

**Batch Data Path** C:\MassHunter\Data\2017\MD Quant\12-12-17 Panel 1 CS\QuantResults\MDQ Panel 1b 12-12-17 CS.batch.bin  
**Last Calib Update** 12/21/2017 11:00 AM **Analyst Name** ISP TOX

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

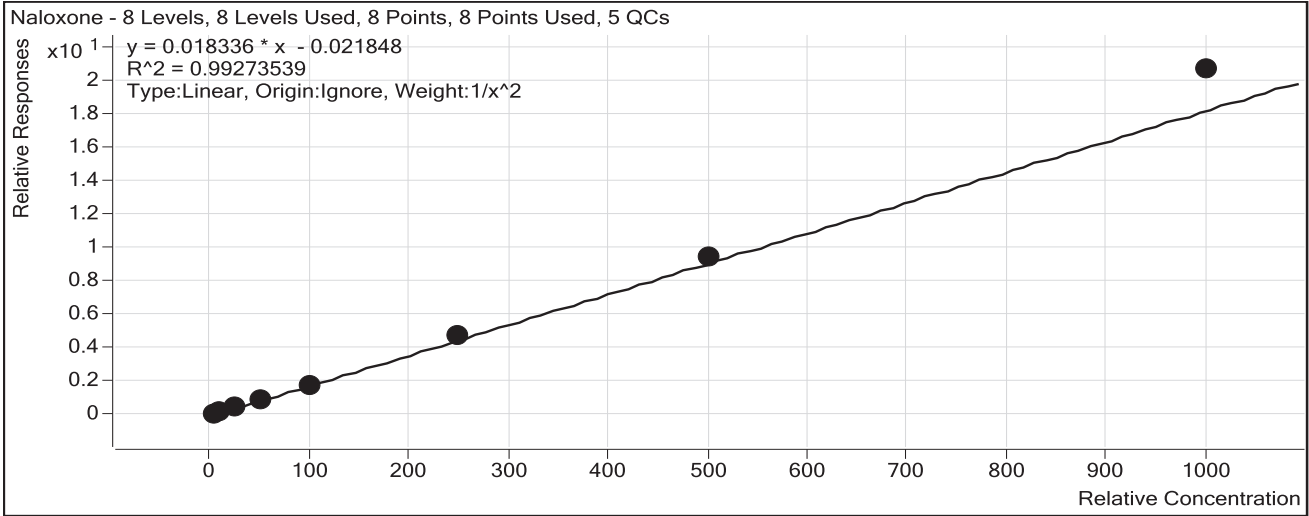


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b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	8.6	86.1
b QC 10	2	<input checked="" type="checkbox"/>	10	9.5	94.9
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.1	104.4
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	55.7	111.5
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	104.9	104.9
b QC 100	5	<input checked="" type="checkbox"/>	100	111.5	111.5
b QC 100 2nd	5	<input checked="" type="checkbox"/>	100	107.2	107.2
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	274.7	109.9
b QC 250	6	<input checked="" type="checkbox"/>	250	270.2	108.1
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	519.6	103.9
b QC 1000	8	<input checked="" type="checkbox"/>	1000	965.8	96.6
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	946.1	94.6

# ISP Forensics Calibration Curve Report

**Batch Data Path** C:\MassHunter\Data\2017\MD Quant\12-12-17 Panel 1 CS\QuantResults\MDQ Panel 1b 12-12-17 CS.batch.bin  
**Last Calib Update** 12/21/2017 11:00 AM **Analyst Name** ISP TOX

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



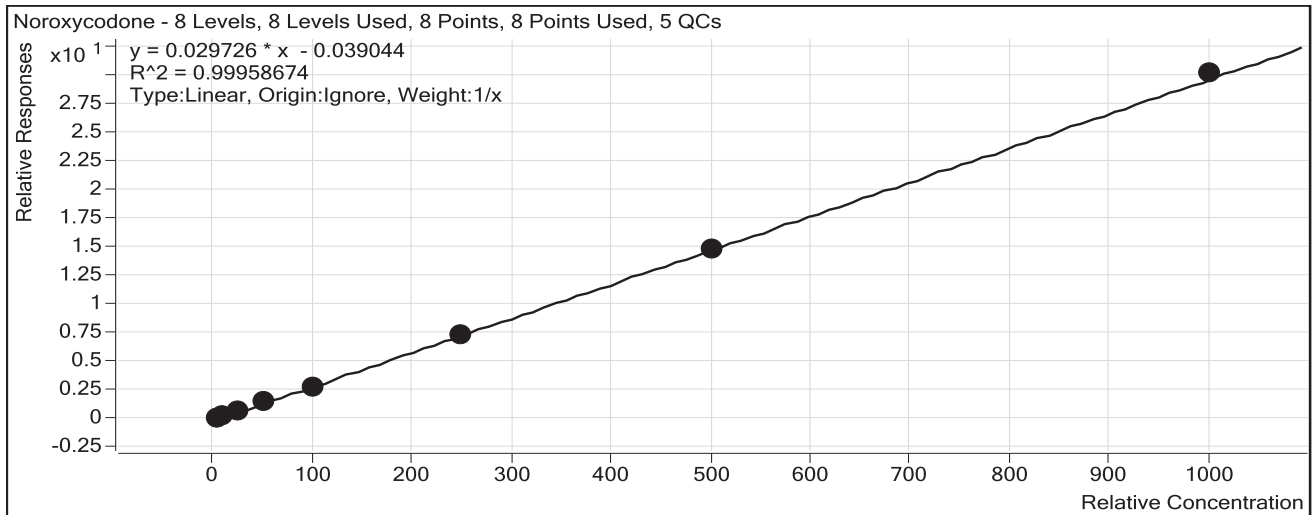
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b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.3	106.1
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.2	91.7
b QC 10	2	<input checked="" type="checkbox"/>	10	9.8	98.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.4	93.8
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.9	93.9
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	95.7	95.7
b QC 100	5	<input checked="" type="checkbox"/>	100	96.0	96.0
b QC 100 2nd	5	<input checked="" type="checkbox"/>	100	99.5	99.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	256.5	102.6
b QC 250	6	<input checked="" type="checkbox"/>	250	263.5	105.4
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	517.6	103.5
b QC 1000	8	<input checked="" type="checkbox"/>	1000	1187.1	118.7
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1128.6	112.9

# ISP Forensics Calibration Curve Report

CS

**Batch Data Path** C:\MassHunter\Data\2017\MD Quant\12-12-17 Panel 1 CS\QuantResults\MDQ Panel 1b 12-12-17 CS.batch.bin  
**Last Calib Update** 12/21/2017 11:00 AM **Analyst Name** ISP TOX

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



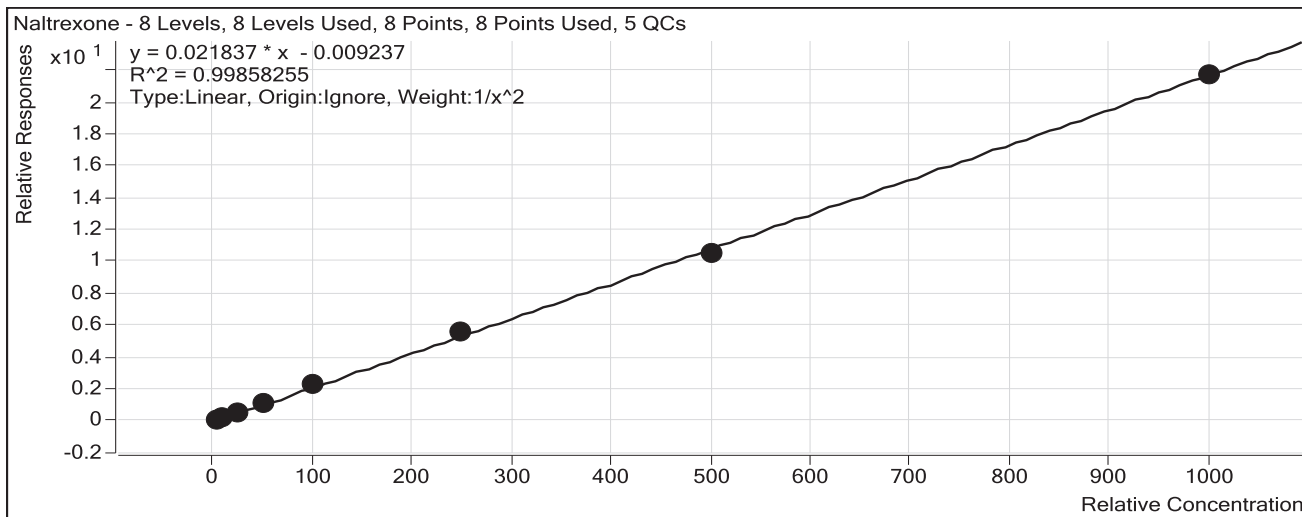
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.9	117.7
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.4	94.3
b QC 10	2	<input checked="" type="checkbox"/>	10	9.9	99.3
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.0	96.1
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.8	97.7
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	94.8	94.8
b QC 100	5	<input checked="" type="checkbox"/>	100	93.0	93.0
b QC 100 2nd	5	<input checked="" type="checkbox"/>	100	97.8	97.8
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	245.9	98.4
b QC 250	6	<input checked="" type="checkbox"/>	250	248.4	99.4
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	499.1	99.8
b QC 1000	8	<input checked="" type="checkbox"/>	1000	998.4	99.8
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1012.0	101.2

# ISP Forensics Calibration Curve Report

2

**Batch Data Path** C:\MassHunter\Data\2017\MD Quant\12-12-17 Panel 1 CS\QuantResults\MDQ Panel 1b 12-12-17 CS.batch.bin  
**Last Calib Update** 12/21/2017 11:00 AM **Analyst Name** ISP TOX

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



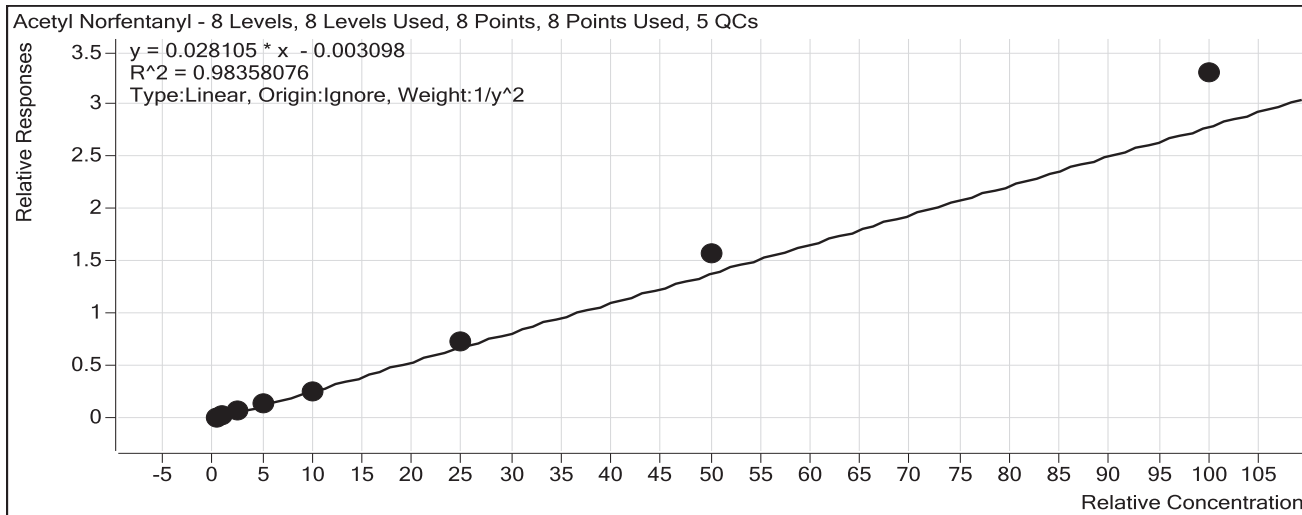
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.4
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.4	94.2
b QC 10	2	<input checked="" type="checkbox"/>	10	9.8	98.4
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.3	101.1
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.4	100.8
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.5	103.5
b QC 100	5	<input checked="" type="checkbox"/>	100	99.4	99.4
b QC 100 2nd	5	<input checked="" type="checkbox"/>	100	102.8	102.8
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	256.2	102.5
b QC 250	6	<input checked="" type="checkbox"/>	250	257.6	103.0
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	481.0	96.2
b QC 1000	8	<input checked="" type="checkbox"/>	1000	983.6	98.4
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	992.6	99.3

# ISP Forensics Calibration Curve Report

CS

**Batch Data Path** C:\MassHunter\Data\2017\MD Quant\12-12-17 Panel 1 CS\QuantResults\MDQ Panel 1b 12-12-17 CS.batch.bin  
**Last Calib Update** 12/21/2017 11:00 AM **Analyst Name** ISP TOX

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



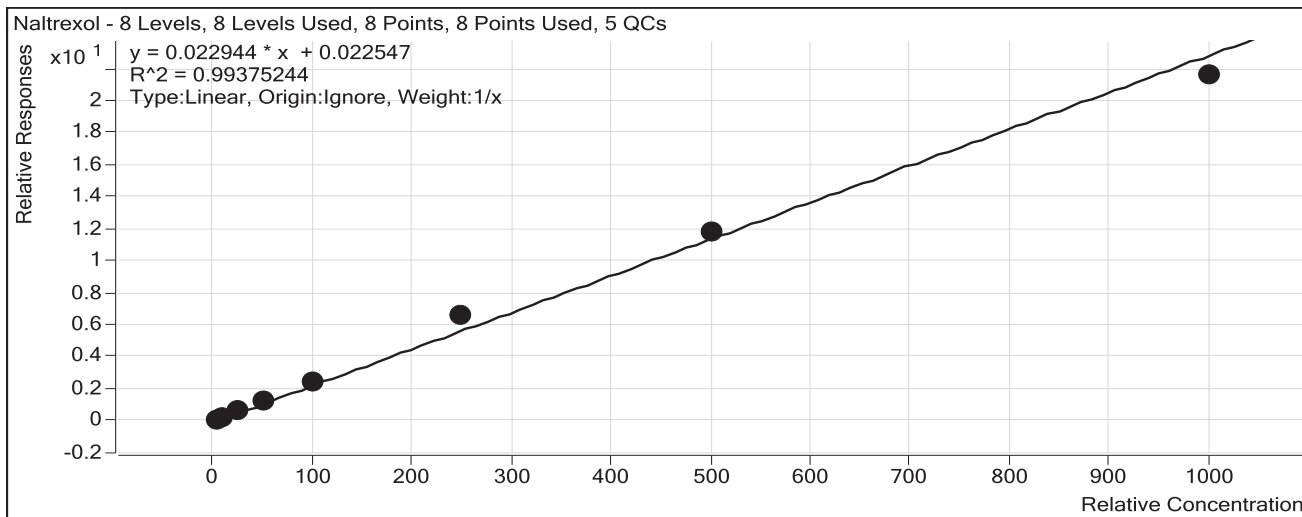
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	0.5	0.5	108.6
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	0.9	89.2
b QC 10	2	<input checked="" type="checkbox"/>	1	1.0	101.8
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.2	89.8
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	5.2	104.0
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.2	92.4
b QC 100	5	<input checked="" type="checkbox"/>	10	10.0	99.9
b QC 100 2nd	5	<input checked="" type="checkbox"/>	10	10.5	104.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	25.8	103.3
b QC 250	6	<input checked="" type="checkbox"/>	25	26.7	106.9
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	56.1	112.2
b QC 1000	8	<input checked="" type="checkbox"/>	100	115.1	115.1
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	117.4	117.4

# ISP Forensics Calibration Curve Report

CS

**Batch Data Path** C:\MassHunter\Data\2017\MD Quant\12-12-17 Panel 1 CS\QuantResults\MDQ Panel 1b 12-12-17 CS.batch.bin  
**Last Calib Update** 12/21/2017 11:00 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	3.9	78.0
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.0	90.4
b QC 10	2	<input checked="" type="checkbox"/>	10	9.2	92.3
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.6	102.5
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	55.2	110.4
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	107.2	107.2
b QC 100	5	<input checked="" type="checkbox"/>	100	104.5	104.5
b QC 100 2nd	5	<input checked="" type="checkbox"/>	100	107.2	107.2
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	287.7	115.1
b QC 250	6	<input checked="" type="checkbox"/>	250	273.2	109.3
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	512.3	102.5
b QC 1000	8	<input checked="" type="checkbox"/>	1000	1007.5	100.8
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	939.0	93.9

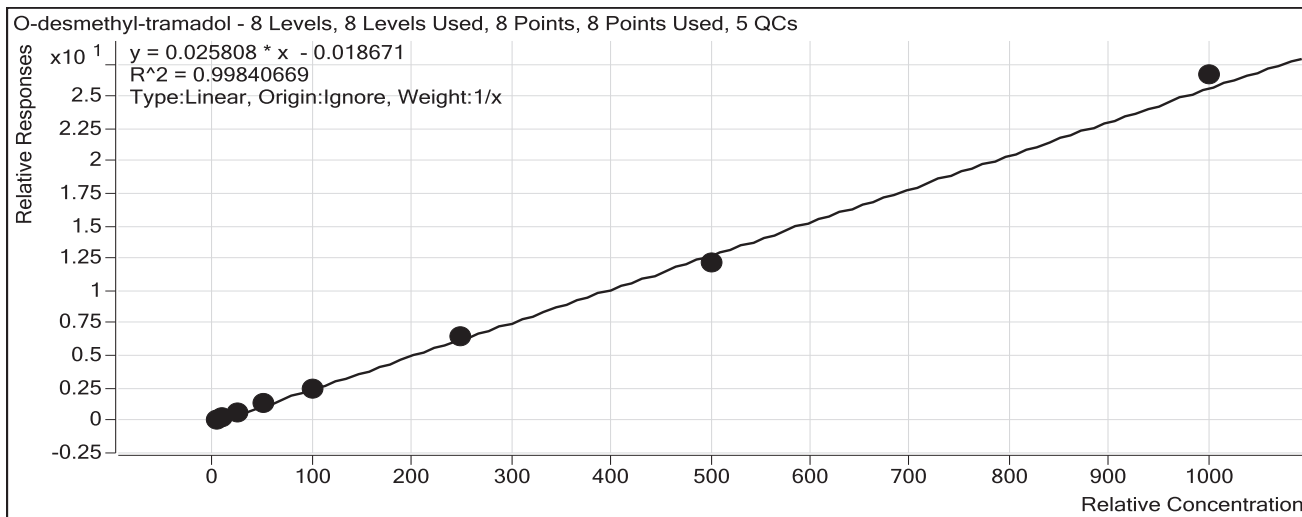


# ISP Forensics Calibration Curve Report

CS

**Batch Data Path** C:\MassHunter\Data\2017\MD Quant\12-12-17 Panel 1 CS\QuantResults\MDQ Panel 1b 12-12-17 CS.batch.bin  
**Last Calib Update** 12/21/2017 11:00 AM **Analyst Name** ISP TOX

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



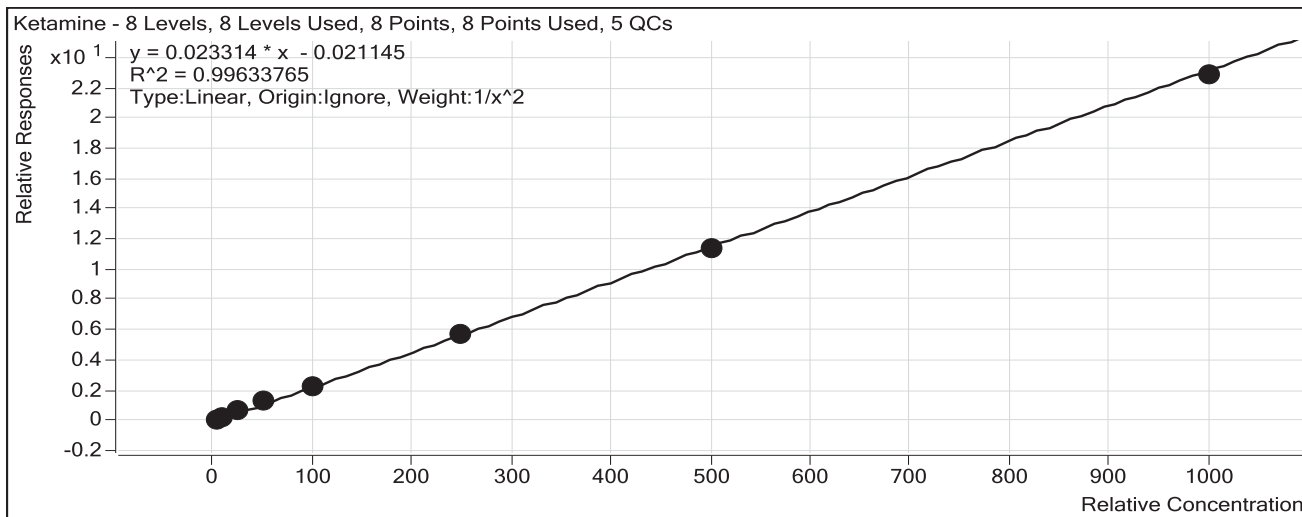
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.5	109.1
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	98.7
b QC 10	2	<input checked="" type="checkbox"/>	10	9.9	99.1
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.2	96.9
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.0	102.1
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	96.0	96.0
b QC 100	5	<input checked="" type="checkbox"/>	100	94.6	94.6
b QC 100 2nd	5	<input checked="" type="checkbox"/>	100	98.6	98.6
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	248.9	99.6
b QC 250	6	<input checked="" type="checkbox"/>	250	246.0	98.4
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	472.3	94.5
b QC 1000	8	<input checked="" type="checkbox"/>	1000	979.7	98.0
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1032.2	103.2

# ISP Forensics Calibration Curve Report

23

**Batch Data Path** C:\MassHunter\Data\2017\MD Quant\12-12-17 Panel 1 CS\QuantResults\MDQ Panel 1b 12-12-17 CS.batch.bin  
**Last Calib Update** 12/21/2017 11:00 AM **Analyst Name** ISP TOX

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



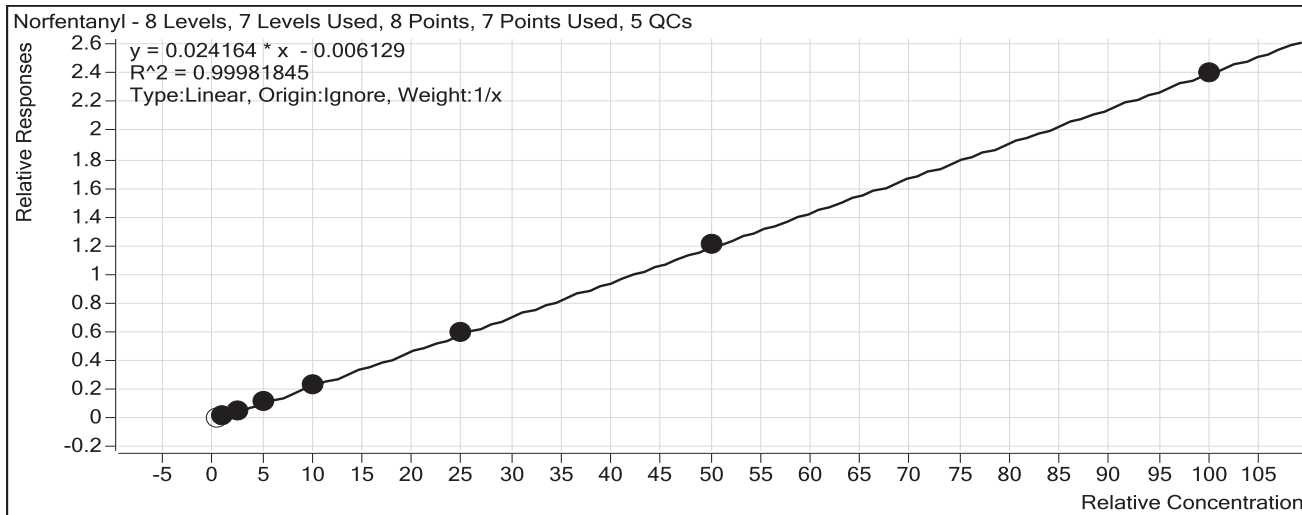
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.0
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.2	92.2
b QC 10	2	<input checked="" type="checkbox"/>	10	11.7	117.1
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.6	106.4
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	54.1	108.2
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.0	98.0
b QC 100	5	<input checked="" type="checkbox"/>	100	88.7	88.7
b QC 100 2nd	5	<input checked="" type="checkbox"/>	100	112.1	112.1
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	243.9	97.5
b QC 250	6	<input checked="" type="checkbox"/>	250	252.3	100.9
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	488.6	97.7
b QC 1000	8	<input checked="" type="checkbox"/>	1000	890.0	89.0
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	979.0	97.9

# ISP Forensics Calibration Curve Report

CS

**Batch Data Path** C:\MassHunter\Data\2017\MD Quant\12-12-17 Panel 1 CS\QuantResults\MDQ Panel 1b 12-12-17 CS.batch.bin  
**Last Calib Update** 12/21/2017 11:00 AM **Analyst Name** ISP TOX

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



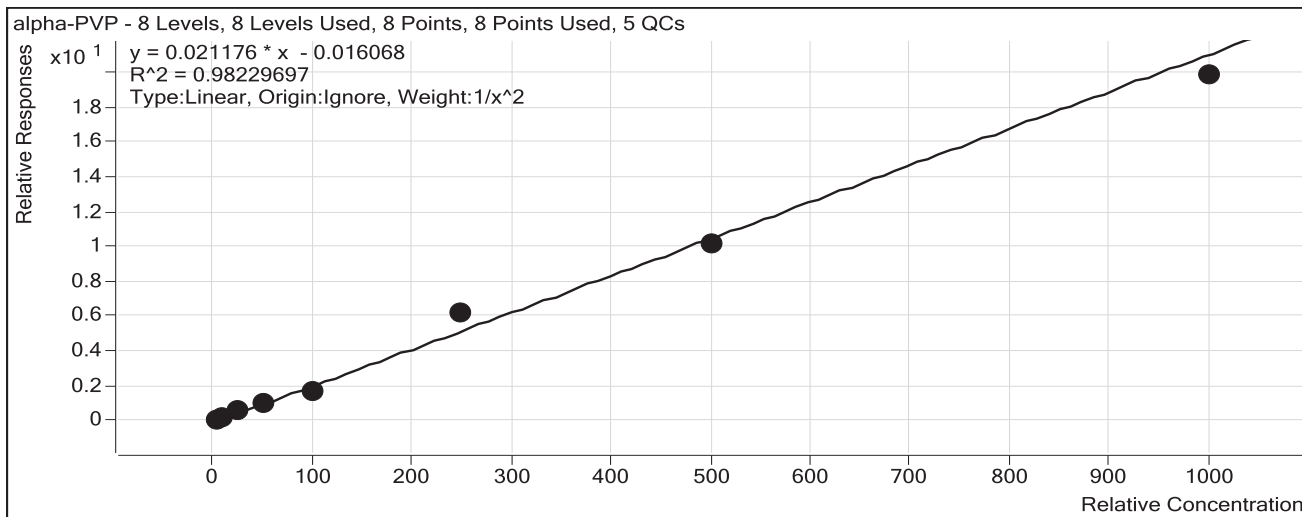
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input type="checkbox"/>	0.5	0.7	132.0
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.1	105.0
b QC 10	2	<input checked="" type="checkbox"/>	1	1.1	110.6
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.4	96.6
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	5.0	100.2
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.7	96.7
b QC 100	5	<input checked="" type="checkbox"/>	10	9.7	96.8
b QC 100 2nd	5	<input checked="" type="checkbox"/>	10	10.5	104.8
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	25.1	100.4
b QC 250	6	<input checked="" type="checkbox"/>	25	23.2	92.9
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	50.7	101.5
b QC 1000	8	<input checked="" type="checkbox"/>	100	104.7	104.7
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	99.5	99.5

# ISP Forensics Calibration Curve Report

28

**Batch Data Path** C:\MassHunter\Data\2017\MD Quant\12-12-17 Panel 1 CS\QuantResults\MDQ Panel 1b 12-12-17 CS.batch.bin  
**Last Calib Update** 12/21/2017 11:00 AM **Analyst Name** ISP TOX

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



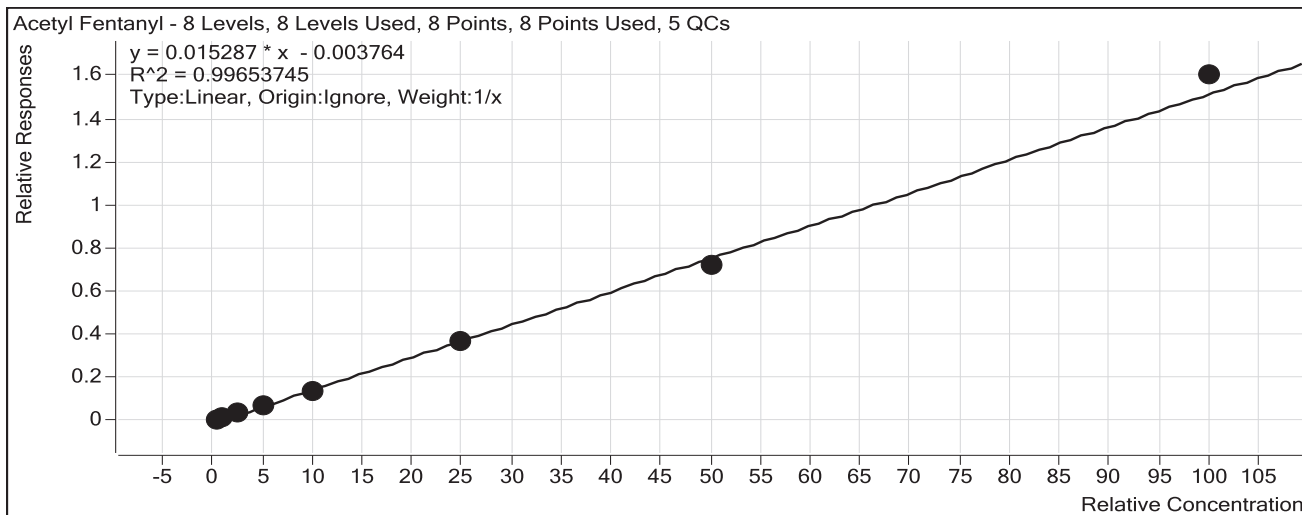
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.0
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.5	95.0
b QC 10	2	<input checked="" type="checkbox"/>	10	9.8	97.8
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	29.0	115.9
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.3	98.7
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	82.7	82.7
b QC 100	5	<input checked="" type="checkbox"/>	100	95.3	95.3
b QC 100 2nd	5	<input checked="" type="checkbox"/>	100	97.0	97.0
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	294.6	117.8
b QC 250	6	<input checked="" type="checkbox"/>	250	248.3	99.3
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	480.9	96.2
b QC 1000	8	<input checked="" type="checkbox"/>	1000	967.3	96.7
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	937.0	93.7

# ISP Forensics Calibration Curve Report

2

**Batch Data Path** C:\MassHunter\Data\2017\MD Quant\12-12-17 Panel 1 CS\QuantResults\MDQ Panel 1b 12-12-17 CS.batch.bin  
**Last Calib Update** 12/21/2017 11:00 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	0.5	0.6	121.7
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.1	106.5
b QC 10	2	<input checked="" type="checkbox"/>	1	1.1	110.8
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.3	90.1
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.8	97.0
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	8.9	88.6
b QC 100	5	<input checked="" type="checkbox"/>	10	9.1	91.0
b QC 100 2nd	5	<input checked="" type="checkbox"/>	10	9.4	94.3
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	24.2	96.7
b QC 250	6	<input checked="" type="checkbox"/>	25	23.9	95.6
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	47.2	94.4
b QC 1000	8	<input checked="" type="checkbox"/>	100	99.5	99.5
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	105.0	105.0

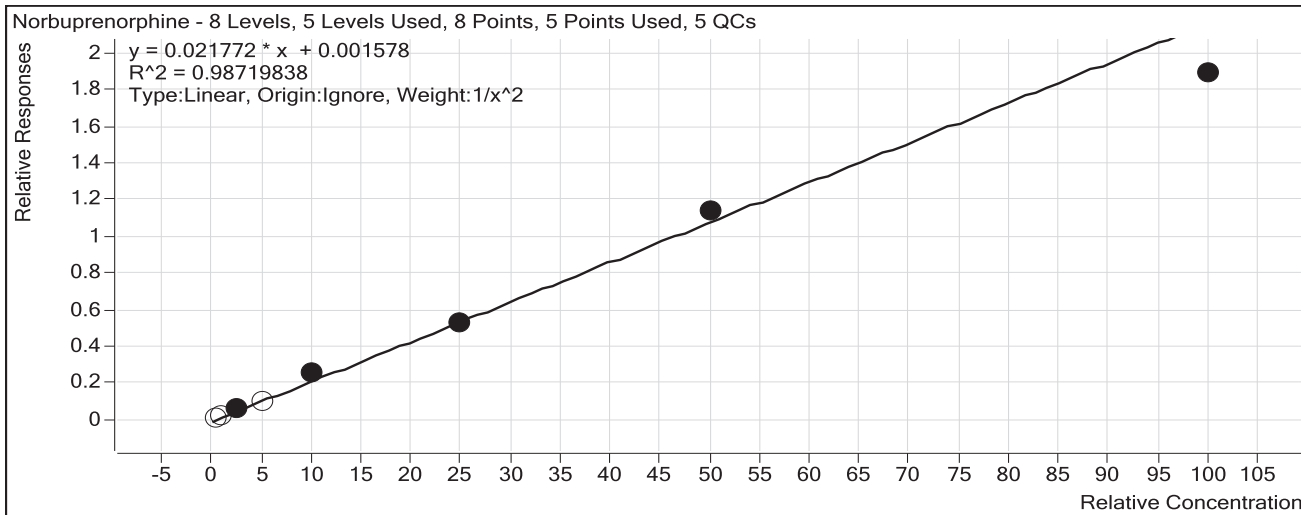
# ISP Forensics Calibration Curve Report

Compound not evaluated.  
CS

**Batch Data Path** C:\MassHunter\Data\2017\MD Quant\12-12-17 Panel 1 CS\QuantResults\MDQ Panel 1b 12-12-17 CS.batch.bin

**Last Calib Update** 12/21/2017 11:00 AM      **Analyst Name** ISP TOX

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



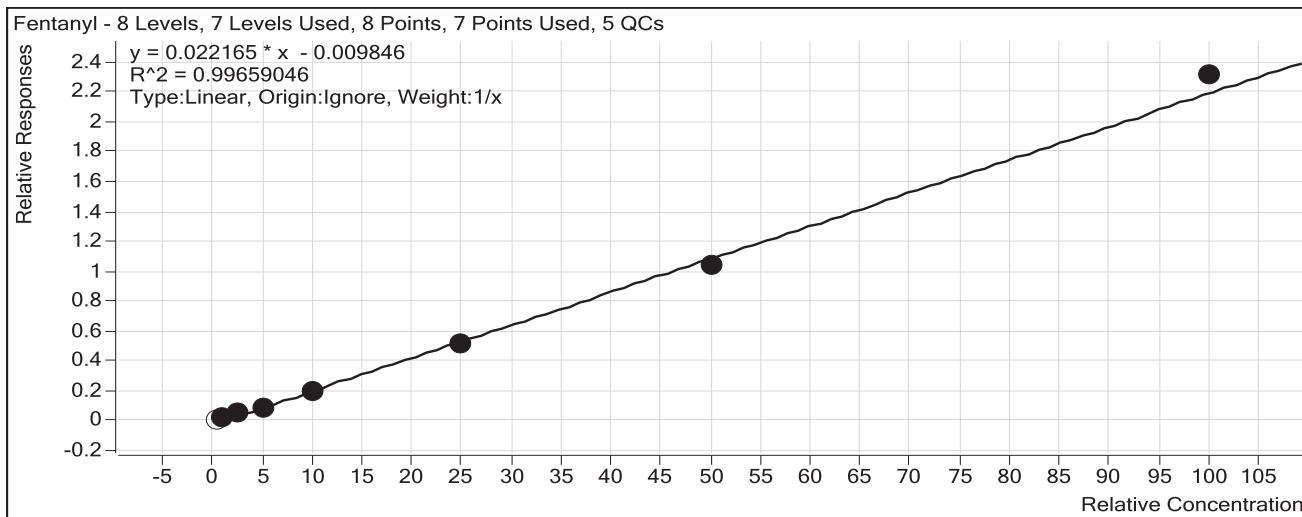
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input type="checkbox"/>	0.5	0.6	111.1
b cal 2-10ng	2	<input type="checkbox"/>	1	0.7	71.5
b QC 10	2	<input type="checkbox"/>	1	0.7	72.8
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.4	96.8
b cal 4-50ng	4	<input type="checkbox"/>	5	4.4	87.9
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	11.4	113.9
b QC 100	5	<input checked="" type="checkbox"/>	10	9.1	90.5
b QC 100 2nd	5	<input checked="" type="checkbox"/>	10	7.9	79.0
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	24.5	98.0
b QC 250	6	<input checked="" type="checkbox"/>	25	27.4	109.6
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	52.3	104.5
b QC 1000	8	<input checked="" type="checkbox"/>	100	92.3	92.3
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	86.8	86.8

# ISP Forensics Calibration Curve Report

cg

**Batch Data Path** C:\MassHunter\Data\2017\MD Quant\12-12-17 Panel 1 CS\QuantResults\MDQ Panel 1b 12-12-17 CS.batch.bin  
**Last Calib Update** 12/21/2017 11:00 AM **Analyst Name** ISP TOX

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



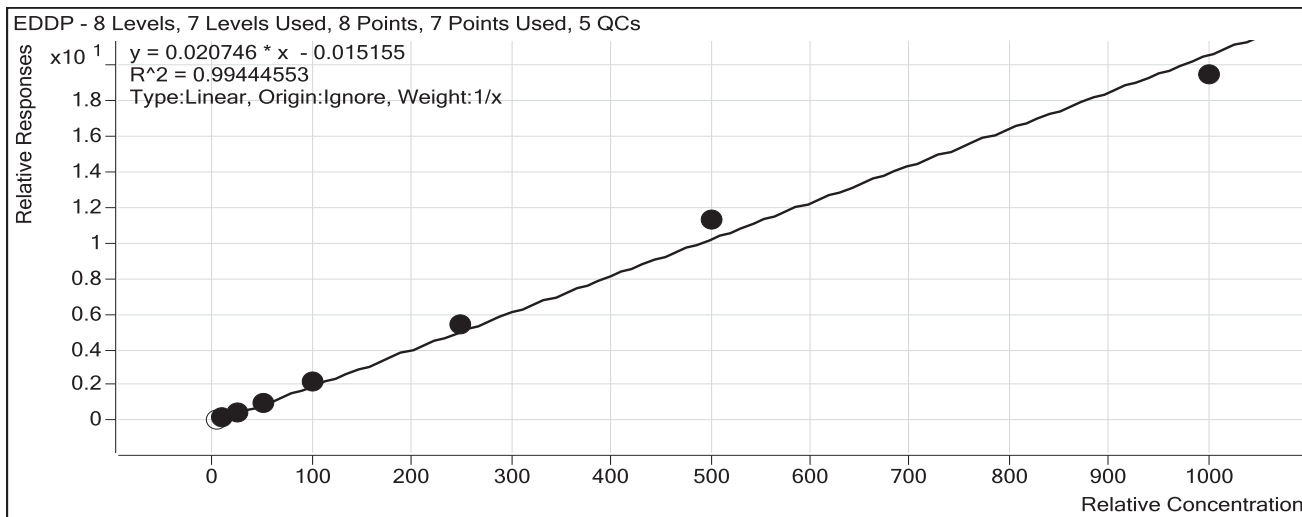
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input type="checkbox"/>	0.5	0.9	175.5
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.1	114.7
b QC 10	2	<input checked="" type="checkbox"/>	1	1.3	128.7
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.7	107.2
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.4	88.9
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.5	94.8
b QC 100	5	<input checked="" type="checkbox"/>	10	8.7	86.7
b QC 100 2nd	5	<input checked="" type="checkbox"/>	10	9.6	96.1
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	23.9	95.5
b QC 250	6	<input checked="" type="checkbox"/>	25	23.7	94.7
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	47.1	94.3
b QC 1000	8	<input checked="" type="checkbox"/>	100	110.3	110.3
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	104.8	104.8

# ISP Forensics Calibration Curve Report

g

**Batch Data Path** C:\MassHunter\Data\2017\MD Quant\12-12-17 Panel 1 CS\QuantResults\MDQ Panel 1b 12-12-17 CS.batch.bin  
**Last Calib Update** 12/21/2017 11:00 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input type="checkbox"/>	5	5.8	115.1
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.1	91.0
b QC 10	2	<input checked="" type="checkbox"/>	10	10.4	104.2
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.6	98.5
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.4	98.7
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.4	103.4
b QC 100	5	<input checked="" type="checkbox"/>	100	98.7	98.7
b QC 100 2nd	5	<input checked="" type="checkbox"/>	100	105.4	105.4
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	262.6	105.0
b QC 250	6	<input checked="" type="checkbox"/>	250	319.2	127.7
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	547.9	109.6
b QC 1000	8	<input checked="" type="checkbox"/>	1000	1119.1	111.9
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	938.1	93.8

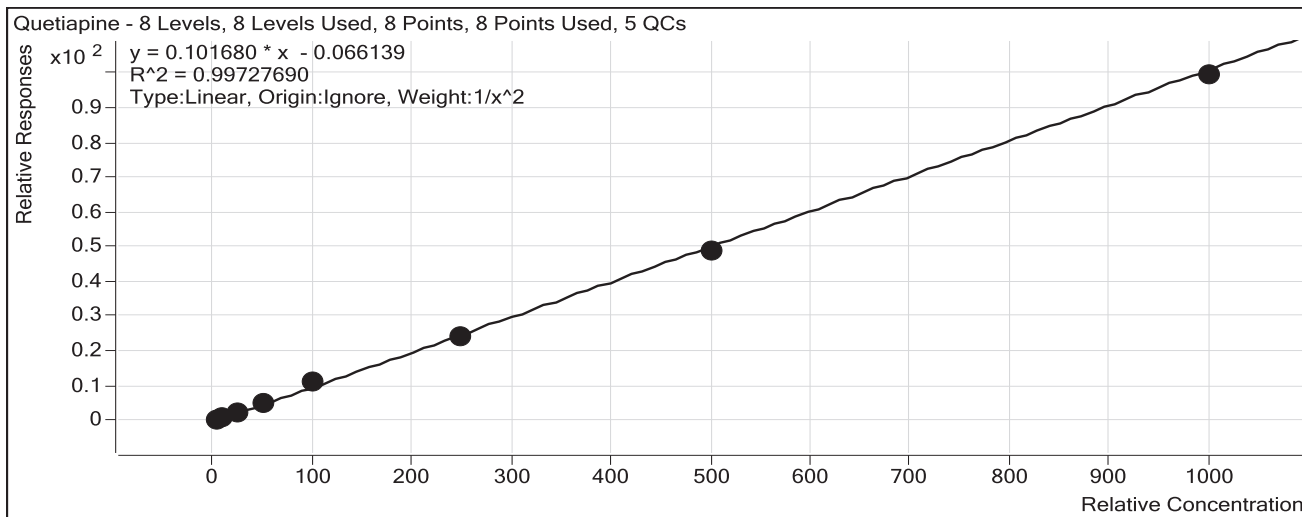


# ISP Forensics Calibration Curve Report

CS

**Batch Data Path** C:\MassHunter\Data\2017\MD Quant\12-12-17 Panel 1 CS\QuantResults\MDQ Panel 1b 12-12-17 CS.batch.bin  
**Last Calib Update** 12/21/2017 11:00 AM **Analyst Name** ISP TOX

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



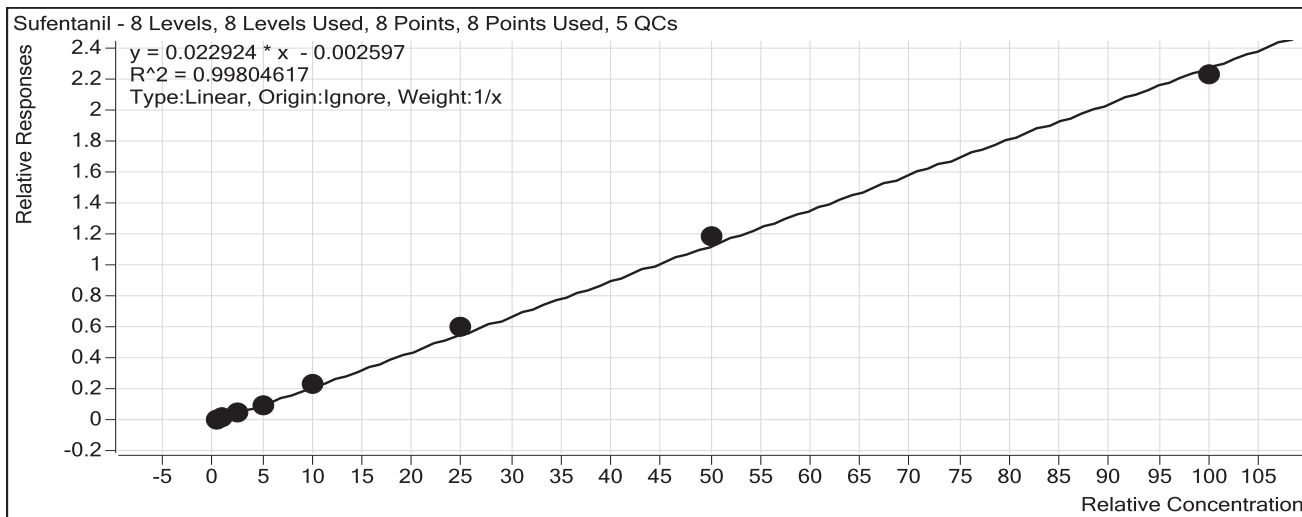
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.9	98.2
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.3	103.5
b QC 10	2	<input checked="" type="checkbox"/>	10	11.0	110.2
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.6	98.2
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.3	100.6
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	109.5	109.5
b QC 100	5	<input checked="" type="checkbox"/>	100	111.5	111.5
b QC 100 2nd	5	<input checked="" type="checkbox"/>	100	97.5	97.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	240.1	96.0
b QC 250	6	<input checked="" type="checkbox"/>	250	265.5	106.2
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	480.9	96.2
b QC 1000	8	<input checked="" type="checkbox"/>	1000	919.7	92.0
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	977.4	97.7

# ISP Forensics Calibration Curve Report

CS

**Batch Data Path** C:\MassHunter\Data\2017\MD Quant\12-12-17 Panel 1 CS\QuantResults\MDQ Panel 1b 12-12-17 CS.batch.bin  
**Last Calib Update** 12/21/2017 11:00 AM **Analyst Name** ISP TOX

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



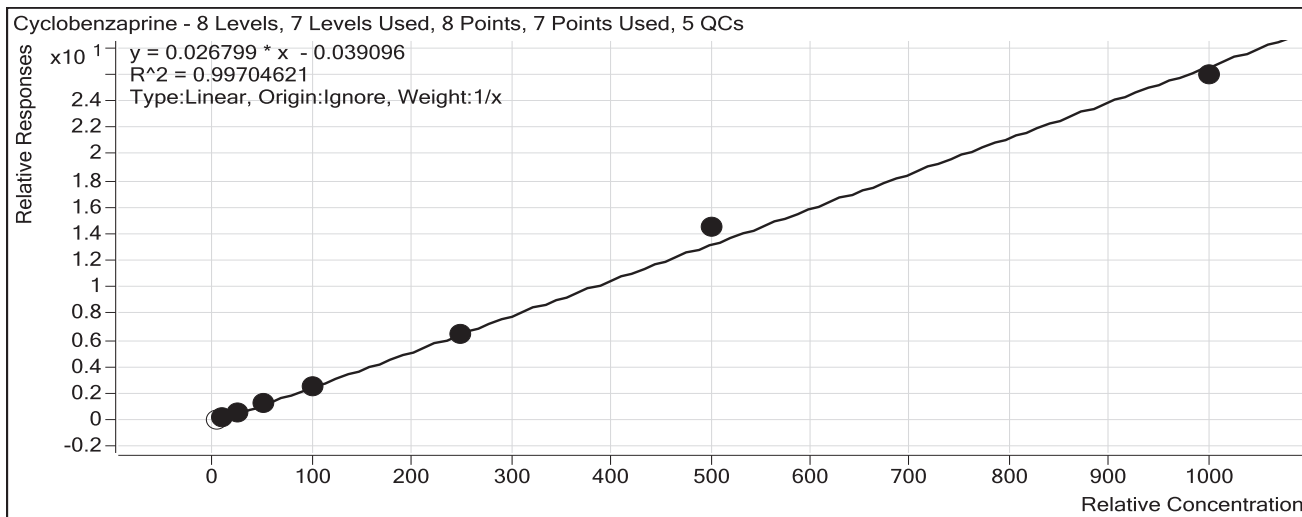
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	0.5	0.5	107.2
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.1	110.0
b QC 10	2	<input checked="" type="checkbox"/>	1	1.8	179.3
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.1	85.2
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.5	90.9
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	10.0	99.8
b QC 100	5	<input checked="" type="checkbox"/>	10	8.0	79.7
b QC 100 2nd	5	<input checked="" type="checkbox"/>	10	10.5	104.7
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	26.4	105.5
b QC 250	6	<input checked="" type="checkbox"/>	25	27.1	108.5
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	52.1	104.2
b QC 1000	8	<input checked="" type="checkbox"/>	100	105.1	105.1
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	97.2	97.2

# ISP Forensics Calibration Curve Report

cg

**Batch Data Path** C:\MassHunter\Data\2017\MD Quant\12-12-17 Panel 1 CS\QuantResults\MDQ Panel 1b 12-12-17 CS.batch.bin  
**Last Calib Update** 12/21/2017 11:00 AM **Analyst Name** ISP TOX

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



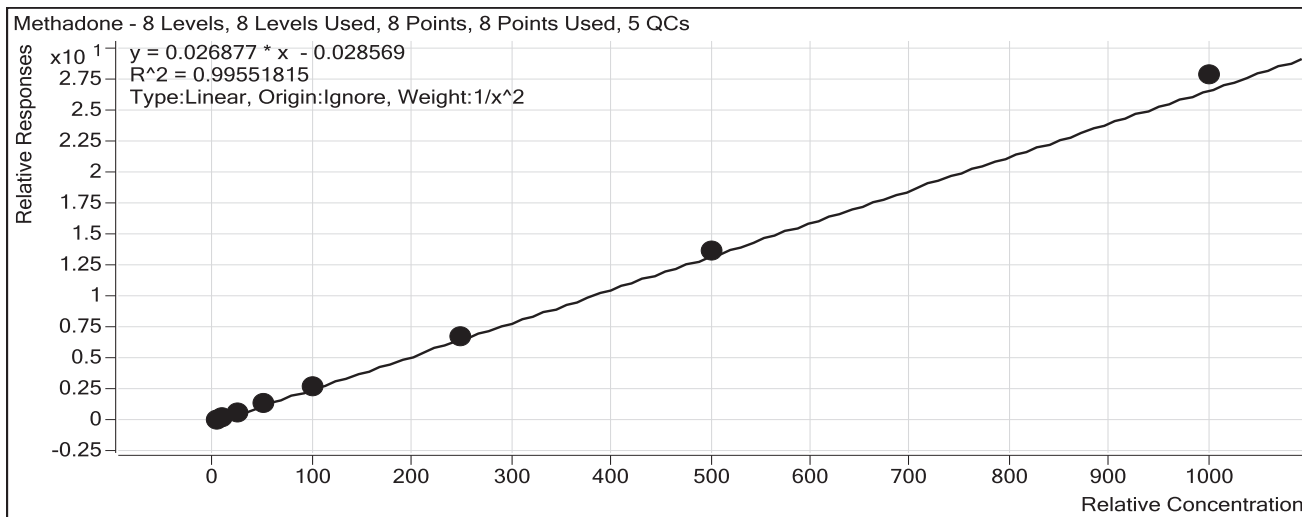
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input type="checkbox"/>	5	5.4	108.5
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	99.9
b QC 10	2	<input checked="" type="checkbox"/>	10	11.2	111.5
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.4	101.5
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.3	100.6
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	95.3	95.3
b QC 100	5	<input checked="" type="checkbox"/>	100	86.8	86.8
b QC 100 2nd	5	<input checked="" type="checkbox"/>	100	94.1	94.1
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	243.7	97.5
b QC 250	6	<input checked="" type="checkbox"/>	250	241.6	96.6
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	542.0	108.4
b QC 1000	8	<input checked="" type="checkbox"/>	1000	1139.6	114.0
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	968.3	96.8

# ISP Forensics Calibration Curve Report

CS

**Batch Data Path** C:\MassHunter\Data\2017\MD Quant\12-12-17 Panel 1 CS\QuantResults\MDQ Panel 1b 12-12-17 CS.batch.bin  
**Last Calib Update** 12/21/2017 11:00 AM **Analyst Name** ISP TOX

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



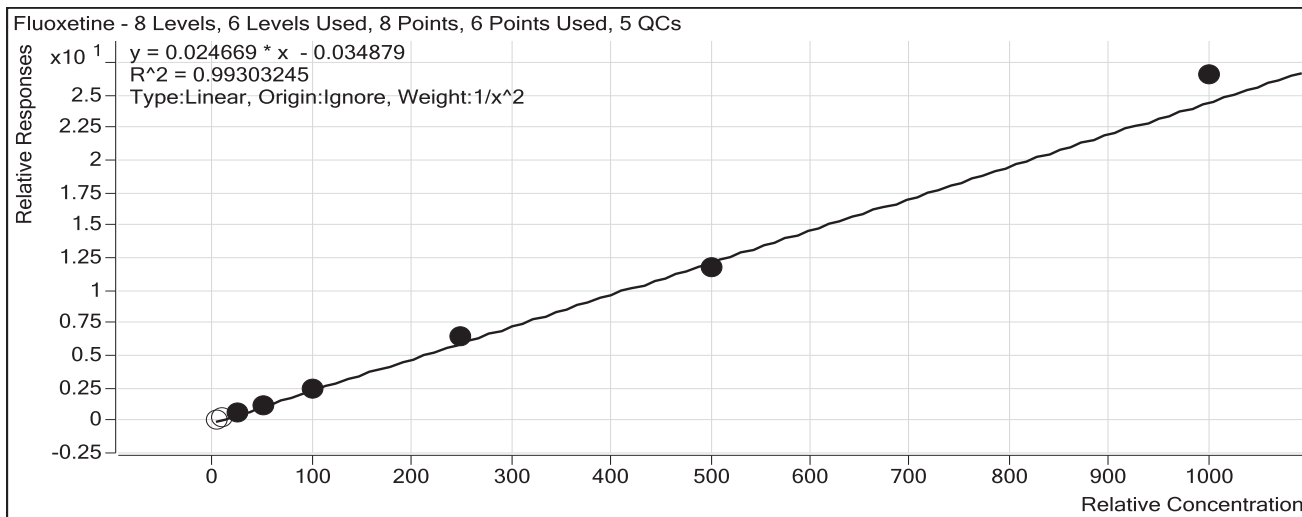
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.1
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	100.7
b QC 10	2	<input checked="" type="checkbox"/>	10	13.6	135.7
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	21.4	85.8
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.1	102.1
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.4	101.4
b QC 100	5	<input checked="" type="checkbox"/>	100	101.1	101.1
b QC 100 2nd	5	<input checked="" type="checkbox"/>	100	103.5	103.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	255.6	102.2
b QC 250	6	<input checked="" type="checkbox"/>	250	265.1	106.0
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	509.5	101.9
b QC 1000	8	<input checked="" type="checkbox"/>	1000	1043.8	104.4
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1037.8	103.8

# ISP Forensics Calibration Curve Report

CS

**Batch Data Path** C:\MassHunter\Data\2017\MD Quant\12-12-17 Panel 1 CS\QuantResults\MDQ Panel 1b 12-12-17 CS.batch.bin  
**Last Calib Update** 12/21/2017 11:00 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input type="checkbox"/>	5	5.7	113.3
b cal 2-10ng	2	<input type="checkbox"/>	10	9.7	97.0
b QC 10	2	<input checked="" type="checkbox"/>	10	11.1	111.2
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.3	105.0
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	45.1	90.1
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.3	98.3
b QC 100	5	<input checked="" type="checkbox"/>	100	95.1	95.1
b QC 100 2nd	5	<input checked="" type="checkbox"/>	100	96.4	96.4
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	259.7	103.9
b QC 250	6	<input checked="" type="checkbox"/>	250	245.4	98.1
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	474.9	95.0
b QC 1000	8	<input checked="" type="checkbox"/>	1000	1124.5	112.4
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1076.7	107.7

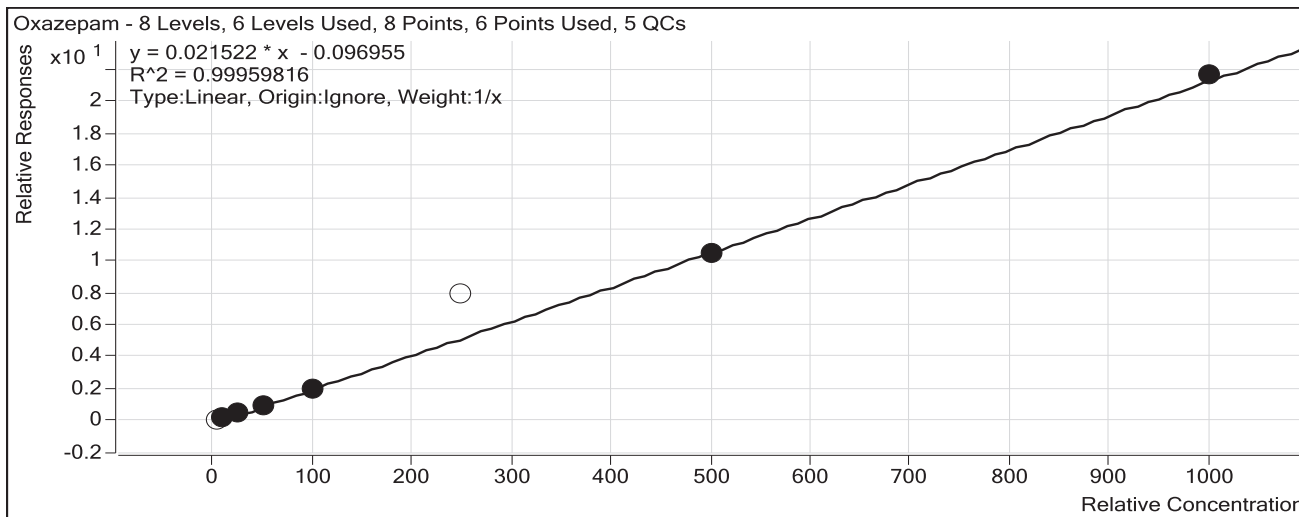
outside range of curve CS

# ISP Forensics Calibration Curve Report

CS

**Batch Data Path** C:\MassHunter\Data\2017\MD Quant\12-12-17 Panel 1 CS\QuantResults\MDQ Panel 1b 12-12-17 CS.batch.bin  
**Last Calib Update** 12/21/2017 11:00 AM **Analyst Name** ISP TOX

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



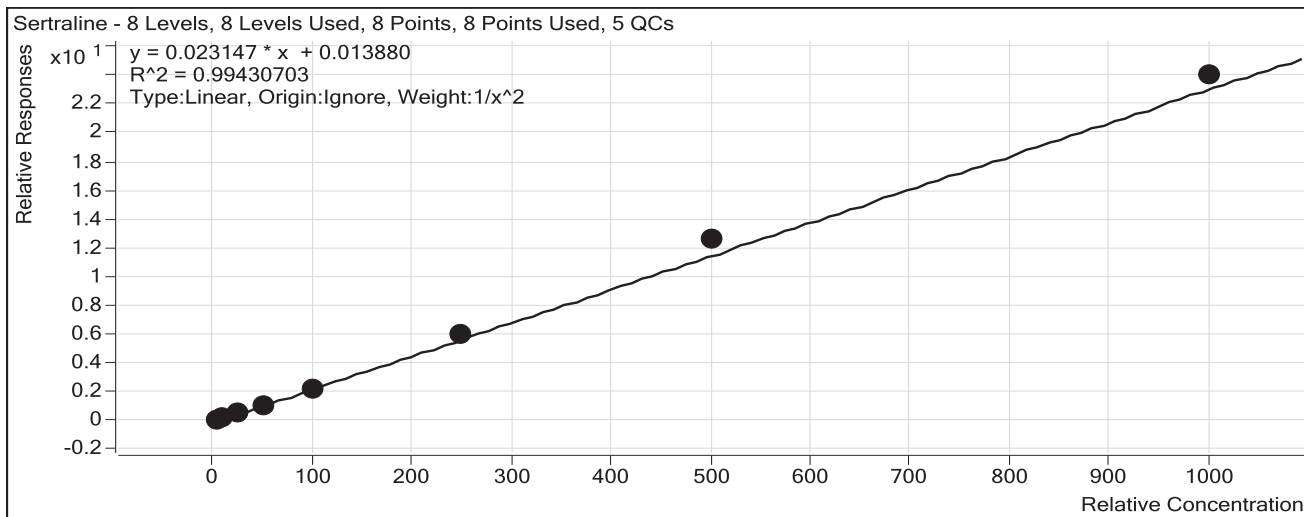
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input type="checkbox"/>	5	9.2	184.3
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.8	107.9
b QC 10	2	<input checked="" type="checkbox"/>	10	13.1	130.8
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.4	101.7
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.7	95.5
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	94.7	94.7
b QC 100	5	<input checked="" type="checkbox"/>	100	89.6	89.6
b QC 100 2nd	5	<input checked="" type="checkbox"/>	100	84.5	84.5
b cal 6-250ng	6	<input type="checkbox"/>	250	376.0	150.4 -ISTD peak had a flat top, ratio out of range CS
b QC 250	6	<input checked="" type="checkbox"/>	250	236.4	94.6
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	495.9	99.2
b QC 1000	8	<input checked="" type="checkbox"/>	1000	884.1	88.4
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1010.4	101.0

# ISP Forensics Calibration Curve Report

CS

**Batch Data Path** C:\MassHunter\Data\2017\MD Quant\12-12-17 Panel 1 CS\QuantResults\MDQ Panel 1b 12-12-17 CS.batch.bin  
**Last Calib Update** 12/21/2017 11:00 AM **Analyst Name** ISP TOX

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



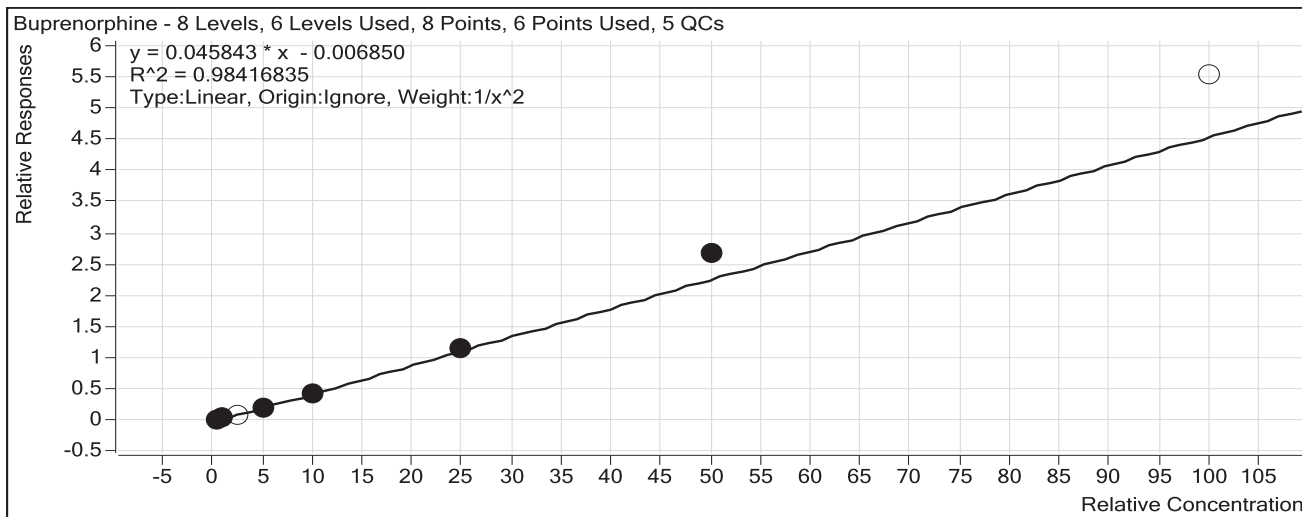
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.6
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	98.2
b QC 10	2	<input checked="" type="checkbox"/>	10	11.4	113.7
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.4	97.6
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	43.8	87.7
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	96.6	96.6
b QC 100	5	<input checked="" type="checkbox"/>	100	103.1	103.1
b QC 100 2nd	5	<input checked="" type="checkbox"/>	100	109.5	109.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	260.6	104.2
b QC 250	6	<input checked="" type="checkbox"/>	250	266.2	106.5
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	547.9	109.6
b QC 1000	8	<input checked="" type="checkbox"/>	1000	988.6	98.9
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1035.4	103.5

# ISP Forensics Calibration Curve Report

CS

**Batch Data Path** C:\MassHunter\Data\2017\MD Quant\12-12-17 Panel 1 CS\QuantResults\MDQ Panel 1b 12-12-17 CS.batch.bin  
**Last Calib Update** 12/21/2017 11:00 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	0.5	0.5	107.1
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	0.9	87.6
b QC 10	2	<input checked="" type="checkbox"/>	1	1.0	103.2
b cal 3-25ng	3	<input type="checkbox"/>	2.5	1.9	76.9 - ISTD peak had a flat top, ratio out of range CS
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.6	92.2
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.4	94.0
b QC 100	5	<input checked="" type="checkbox"/>	10	7.9	79.2
b QC 100 2nd	5	<input checked="" type="checkbox"/>	10	7.9	79.1
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	25.4	101.7
b QC 250	6	<input checked="" type="checkbox"/>	25	25.5	102.2
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	58.7	117.4
b QC 1000	8	<input checked="" type="checkbox"/>	100	121.3	121.3
b cal 8-1000ng	8	<input type="checkbox"/>	100	120.7	120.7

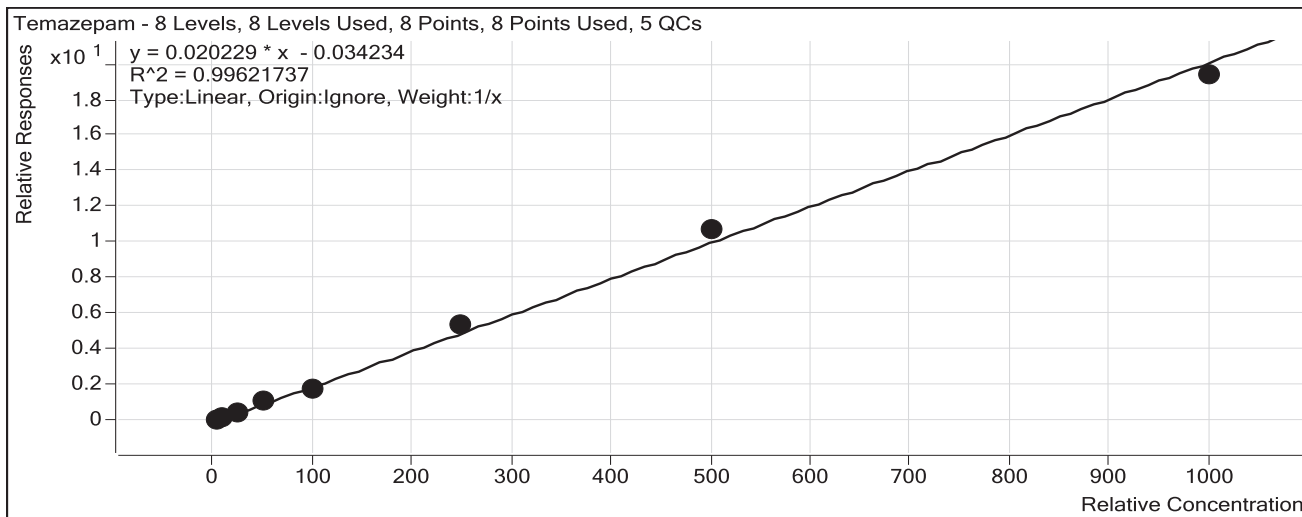


# ISP Forensics Calibration Curve Report

CS

**Batch Data Path** C:\MassHunter\Data\2017\MD Quant\12-12-17 Panel 1 CS\QuantResults\MDQ Panel 1b 12-12-17 CS.batch.bin  
**Last Calib Update** 12/21/2017 11:00 AM **Analyst Name** ISP TOX

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



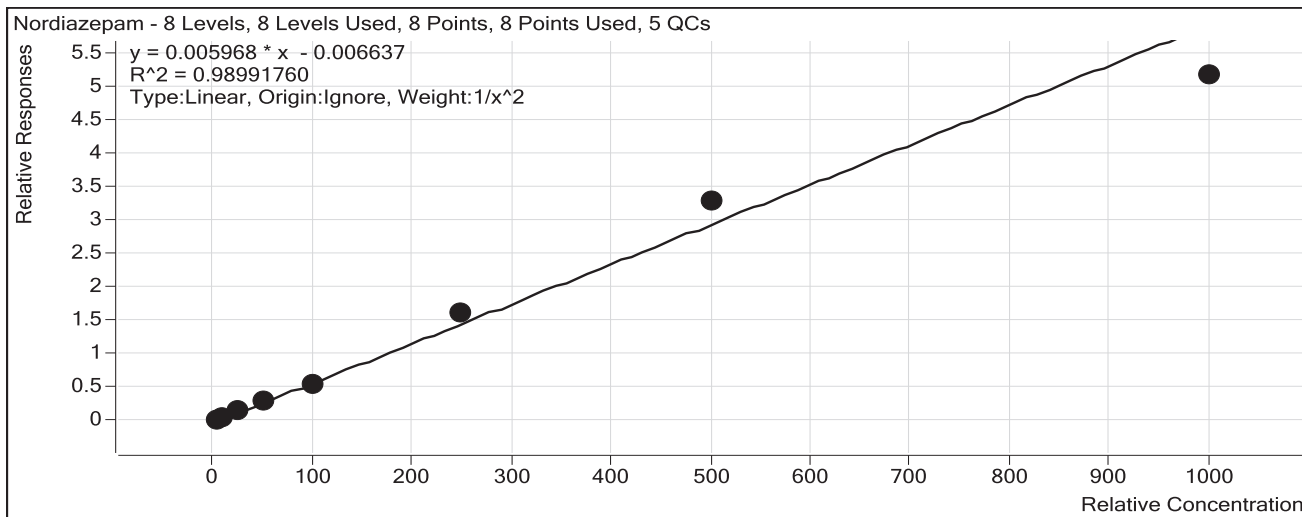
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	104.6
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	95.7
b QC 10	2	<input checked="" type="checkbox"/>	10	9.6	96.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.4	93.6
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	53.7	107.4
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	89.3	89.3
b QC 100	5	<input checked="" type="checkbox"/>	100	93.5	93.5
b QC 100 2nd	5	<input checked="" type="checkbox"/>	100	98.0	98.0
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	267.8	107.1
b QC 250	6	<input checked="" type="checkbox"/>	250	237.2	94.9
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	532.8	106.6
b QC 1000	8	<input checked="" type="checkbox"/>	1000	901.0	90.1
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	958.3	95.8

# ISP Forensics Calibration Curve Report

CS

**Batch Data Path** C:\MassHunter\Data\2017\MD Quant\12-12-17 Panel 1 CS\QuantResults\MDQ Panel 1b 12-12-17 CS.batch.bin  
**Last Calib Update** 12/21/2017 11:00 AM **Analyst Name** ISP TOX

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



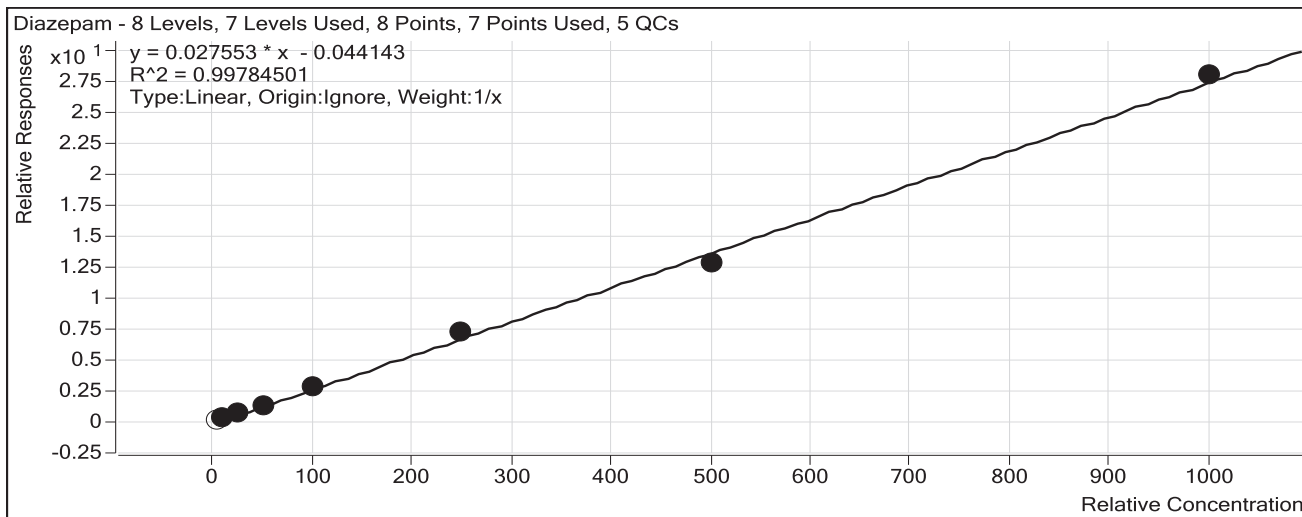
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	103.8
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.2	91.8
b QC 10	2	<input checked="" type="checkbox"/>	10	9.7	96.7
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.9	99.7
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.7	105.4
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	92.7	92.7
b QC 100	5	<input checked="" type="checkbox"/>	100	85.2	85.2
b QC 100 2nd	5	<input checked="" type="checkbox"/>	100	89.5	89.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	272.9	109.2
b QC 250	6	<input checked="" type="checkbox"/>	250	235.0	94.0
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	553.7	110.7
b QC 1000	8	<input checked="" type="checkbox"/>	1000	950.5	95.1
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	868.1	86.8

# ISP Forensics Calibration Curve Report

CS

**Batch Data Path** C:\MassHunter\Data\2017\MD Quant\12-12-17 Panel 1 CS\QuantResults\MDQ Panel 1b 12-12-17 CS.batch.bin  
**Last Calib Update** 12/21/2017 11:00 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input type="checkbox"/>	5	8.5	170.2
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	97.3
b QC 10	2	<input checked="" type="checkbox"/>	10	10.5	104.9
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.8	99.2
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.2	100.3
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.4	101.4
b QC 100	5	<input checked="" type="checkbox"/>	100	102.9	102.9
b QC 100 2nd	5	<input checked="" type="checkbox"/>	100	100.2	100.2
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	267.1	106.8
b QC 250	6	<input checked="" type="checkbox"/>	250	265.3	106.1
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	467.1	93.4
b QC 1000	8	<input checked="" type="checkbox"/>	1000	1053.7	105.4
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1014.7	101.5

# ISP FORENSICS - Pocatello Instrument # 59740

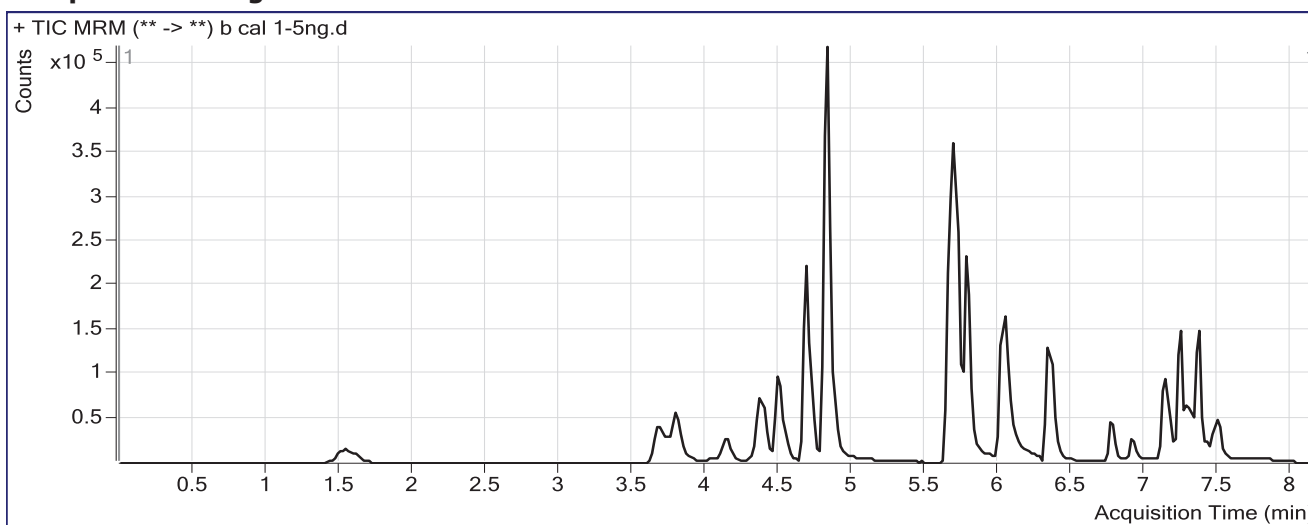
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	C:\MassHunter\Data\2017\MD Quant\12-12-17 Panel 1 CS\QuantResults\MDQ Panel 1b 12-12-17 CS.batch.bin		
<b>Analysis Time</b>	12/21/2017 11:00 AM	<b>Analyst Name</b>	ISPUser
<b>Report Time</b>	12/21/2017 11:06 AM	<b>Reporter Name</b>	ISPUser
<b>Last Calib Update</b>	12/21/2017 11:00 AM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2017-12-12 22:28	<b>Data File</b>	b cal 1-5ng.d
<b>Sample Type</b>	Calibration	<b>Sample Name</b>	b cal 1-5ng
<b>Dilution</b>	1	<b>Acq Method</b>	MD Quant Panel 1b 12-12-17.m
<b>Position</b>	P1-A1	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	AM 28

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.548	16657	127312	0.1308	5.4394
Dihydrocodeine	Dihydrocodeine-D6	3.735	16184	176448	0.0917	4.2344
Naloxone	Naloxone-D5	3.851	20690	274365	0.0754	5.3042
Noroxycodone	Noroxycodone-D3	4.179	15296	112581	0.1359	5.8841
Naltrexone	Naltrexone-D3	4.391	25971	253180	0.1026	5.1204
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.563	4429	364010	0.0122	0.5432
Naltrexol	Naltrexol-D3	4.689	69007	616042	0.1120	3.8995
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	4.838	172746	1415249	0.1221	5.4530
Ketamine	Ketamine-D4	5.681	81639	835168	0.0978	5.0998
Norfentanyl	Norfentanyl-D5	5.722	6384	650010	0.0098	0.6601
alpha-PVP	alpha-PVP-d8	6.047	58916	655703	0.0899	5.0019
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.358	2521	455354	0.0055	0.6084
Norbuprenorphine	Norbuprenorphine-D3	6.692	65	4776	0.0137	0.5557
Fentanyl	Fentanyl-D5	6.780	1259	131028	0.0096	0.8777
EDDP	EDDP-D3	6.910	7522	72147	0.1043	5.7557
Quetiapine	Quetiapine-D8	7.138	63704	147069	0.4332	4.9105
Sufentanil	Sufentanil-D5	7.138	508	52488	0.0097	0.5358
Cyclobenzaprine	Cyclobenzaprine-D3	7.212	3848	36207	0.1063	5.4242
Methadone	Methadone-D9	7.242	37638	346250	0.1087	5.1074

# ISP FORENSICS - Pocatello Instrument # 59740

## Multi-Drug Confirmatory Analysis Report

Panel 1b Cal 1

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.284	6508	62026	0.1049	5.6670
Oxazepam	Oxazepam-D5	7.308	4112	40555	0.1014	9.2159
Sertraline	Sertraline-D3	7.345	2525	19041	0.1326	5.1294
Buprenorphine	Buprenorphine-D4	7.355	1066	60258	0.0177	0.5354
Temazepam	Temazepam-D5	7.367	21927	306438	0.0716	5.2294
Nordiazepam	Temazepam-D5	7.434	7454	306438	0.0243	5.1878
Diazepam	Diazepam-D5	7.490	16814	88351	0.1903	8.5093

# ISP FORENSICS - Pocatello Instrument # 59740

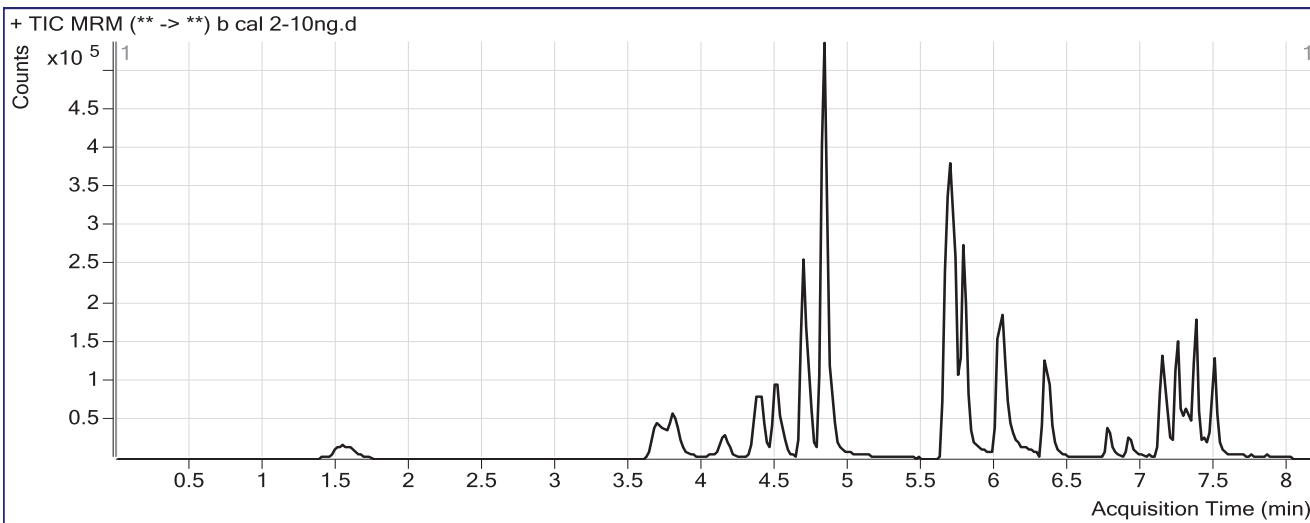
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	C:\MassHunter\Data\2017\MD Quant\12-12-17 Panel 1 CS\QuantResults\MDQ Panel 1b 12-12-17 CS.batch.bin		
<b>Analysis Time</b>	12/21/2017 11:00 AM	<b>Analyst Name</b>	ISPUser
<b>Report Time</b>	12/21/2017 11:06 AM	<b>Reporter Name</b>	ISPUser
<b>Last Calib Update</b>	12/21/2017 11:00 AM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2017-12-12 23:00	<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>	MD Quant Panel 1b 12-12-17.m
<b>Position</b>	P1-B1	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	AM 28

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.548	32884	130228	0.2525	9.4677
Dihydrocodeine	Dihydrocodeine-D6	3.735	32488	188207	0.1726	8.6098
Naloxone	Naloxone-D5	3.851	40041	273734	0.1463	9.1690
Noroxycodone	Noroxycodone-D3	4.179	27991	116043	0.2412	9.4282
Naltrexone	Naltrexone-D3	4.391	51263	260909	0.1965	9.4203
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.563	8534	388538	0.0220	0.8917
Naltrexol	Naltrexol-D3	4.689	143943	625810	0.2300	9.0423
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	4.838	354389	1501042	0.2361	9.8715
Ketamine	Ketamine-D4	5.681	161331	832832	0.1937	9.2158
Norfentanyl	Norfentanyl-D5	5.722	14315	743812	0.0192	1.0501
alpha-PVP	alpha-PVP-d8	6.047	119767	647040	0.1851	9.4998
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.358	5066	404971	0.0125	1.0647
Norbuprenorphine	Norbuprenorphine-D3	6.712	58	3392	0.0171	0.7151
Fentanyl	Fentanyl-D5	6.780	1859	119428	0.0156	1.1466
EDDP	EDDP-D3	6.910	11576	66683	0.1736	9.0981
Quetiapine	Quetiapine-D8	7.138	141730	143756	0.9859	10.3467
Sufentanil	Sufentanil-D5	7.158	930	41113	0.0226	1.0999
Cyclobenzaprine	Cyclobenzaprine-D3	7.212	6262	27406	0.2285	9.9850
Methadone	Methadone-D9	7.242	71495	295412	0.2420	10.0675

CS

# ISP FORENSICS - Pocatello Instrument # 59740

## Multi-Drug Confirmatory Analysis Report

Panel 1b Cal 2

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.284	9020	44151	0.2043	9.6959
Oxazepam	Oxazepam-D5	7.308	6861	50731	0.1352	10.7892
Sertraline	Sertraline-D3	7.345	3057	12676	0.2412	9.8188
Buprenorphine	Buprenorphine-D4	7.355	1919	57626	0.0333	0.8759
Temazepam	Temazepam-D5	7.367	52575	329988	0.1593	9.5682
Nordiazepam	Temazepam-D5	7.434	15895	329988	0.0482	9.1832
Diazepam	Diazepam-D5	7.490	37979	169559	0.2240	9.7316

# ISP FORENSICS - Pocatello Instrument # 59740

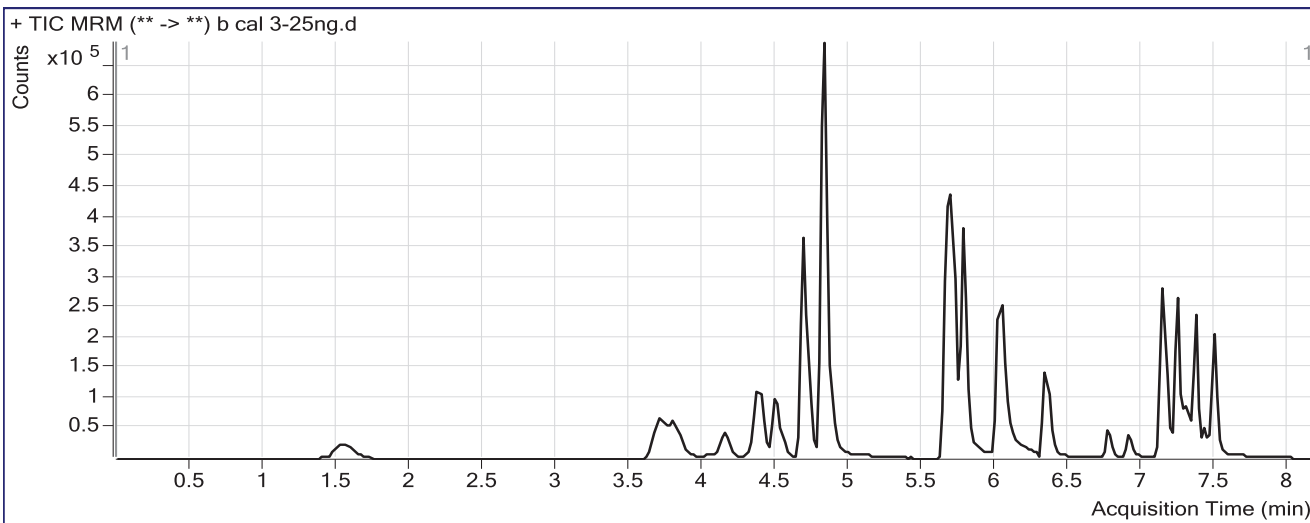
## Multi-Drug Confirmatory Analysis Report

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**Analysis Time** 12/21/2017 11:00 AM **Analyst Name** ISPUser  
**Report Time** 12/21/2017 11:06 AM **Reporter Name** ISPUser  
**Last Calib Update** 12/21/2017 11:00 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2017-12-12 23:31 **Data File** b cal 3-25ng.d  
**Sample Type** Calibration **Sample Name** b cal 3-25ng  
**Dilution** 1 **Acq Method** MD Quant Panel 1b 12-12-17.m  
**Position** P1-C1 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.548	85089	124106	0.6856	23.8072
Dihydrocodeine	Dihydrocodeine-D6	3.735	87207	175750	0.4962	26.1115
Naloxone	Naloxone-D5	3.851	104499	256184	0.4079	23.4376
Noroxycodone	Noroxycodone-D3	4.179	78190	115763	0.6754	24.0355
Naltrexone	Naltrexone-D3	4.391	131697	242586	0.5429	25.2836
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.563	22891	381534	0.0600	2.2450
Naltrexol	Naltrexol-D3	4.689	386689	633123	0.6108	25.6373
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	4.838	911132	1502307	0.6065	24.2233
Ketamine	Ketamine-D4	5.681	447700	747299	0.5991	26.6034
Norfentanyl	Norfentanyl-D5	5.722	39309	752519	0.0522	2.4154
alpha-PVP	alpha-PVP-d8	6.047	320441	536487	0.5973	28.9650
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.358	13841	451026	0.0307	2.2537
Norbuprenorphine	Norbuprenorphine-D3	6.692	229	4228	0.0543	2.4207
Fentanyl	Fentanyl-D5	6.780	6068	122401	0.0496	2.6807
EDDP	EDDP-D3	6.910	35775	72201	0.4955	24.6142
Quetiapine	Quetiapine-D8	7.138	365966	150541	2.4310	24.5590
Sufentanil	Sufentanil-D5	7.158	2190	47339	0.0463	2.1309
Cyclobenzaprine	Cyclobenzaprine-D3	7.212	18535	28930	0.6407	25.3664
Methadone	Methadone-D9	7.242	189088	345287	0.5476	21.4381



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# ISP FORENSICS - Pocatello Instrument # 59740

## Multi-Drug Confirmatory Analysis Report

Panel 1b Cal 3

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.284	29817	48650	0.6129	26.2586
Oxazepam	Oxazepam-D5	7.308	19432	43171	0.4501	25.4200
Sertraline	Sertraline-D3	7.345	8887	15353	0.5789	24.4075
Buprenorphine	Buprenorphine-D4	7.355	5340	65647	0.0813	1.9237
Temazepam	Temazepam-D5	7.367	135501	308698	0.4389	23.3906
Nordiazepam	Temazepam-D5	7.434	43849	308698	0.1420	24.9131
Diazepam	Diazepam-D5	7.490	105154	164529	0.6391	24.7985

# ISP FORENSICS - Pocatello Instrument # 59740

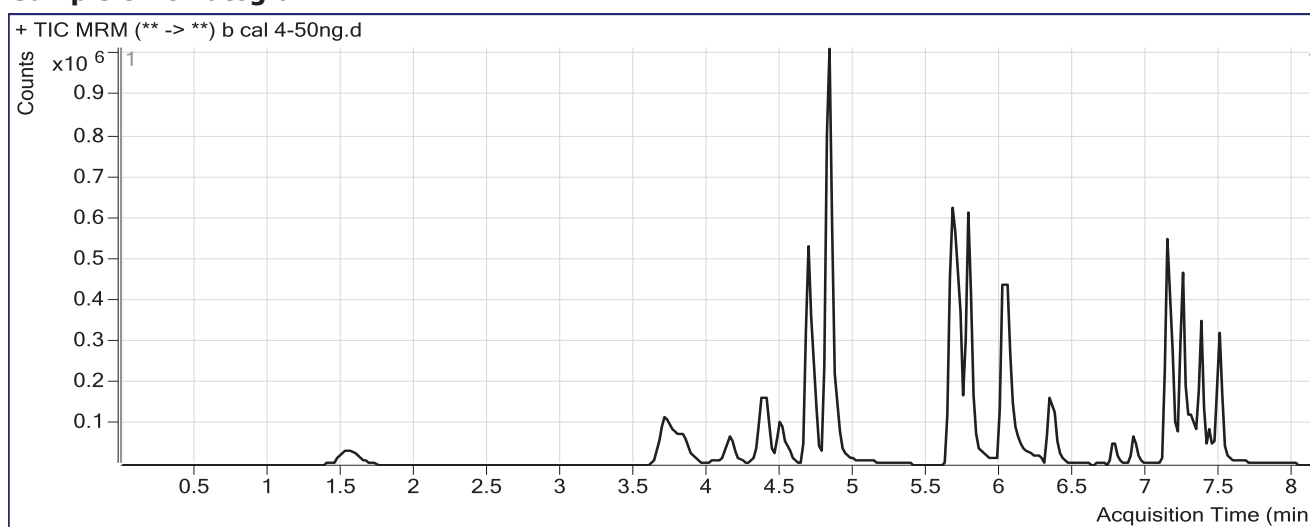
## Multi-Drug Confirmatory Analysis Report

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**Analysis Time** 12/21/2017 11:00 AM **Analyst Name** ISPUser  
**Report Time** 12/21/2017 11:06 AM **Reporter Name** ISPUser  
**Last Calib Update** 12/21/2017 11:00 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2017-12-13 00:03 **Data File** b cal 4-50ng.d  
**Sample Type** Calibration **Sample Name** b cal 4-50ng  
**Dilution** 1 **Acq Method** MD Quant Panel 1b 12-12-17.m  
**Position** P1-D1 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.548	182165	123762	1.4719	49.8396
Dihydrocodeine	Dihydrocodeine-D6	3.715	188257	180348	1.0439	55.7328
Naloxone	Naloxone-D5	3.851	218135	260085	0.8387	46.9323
Noroxycodone	Noroxycodone-D3	4.179	171408	121331	1.4127	48.8389
Naltrexone	Naltrexone-D3	4.391	267996	245567	1.0913	50.3985
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.563	51739	361748	0.1430	5.1992
Naltrexol	Naltrexol-D3	4.689	796242	617853	1.2887	55.1860
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	4.838	1952170	1503677	1.2983	51.0278
Ketamine	Ketamine-D4	5.681	934453	753289	1.2405	54.1150
Norfentanyl	Norfentanyl-D5	5.722	84118	731684	0.1150	5.0113
alpha-PVP	alpha-PVP-d8	6.047	784811	762751	1.0289	49.3478
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.358	35471	504165	0.0704	4.8487
Norbuprenorphine	Norbuprenorphine-D3	6.692	383	3936	0.0973	4.3955
Fentanyl	Fentanyl-D5	6.780	13756	155194	0.0886	4.4433
EDDP	EDDP-D3	6.910	86595	85816	1.0091	49.3698
Quetiapine	Quetiapine-D8	7.138	902472	178678	5.0508	50.3244
Sufentanil	Sufentanil-D5	7.158	5328	52460	0.1016	4.5435
Cyclobenzaprine	Cyclobenzaprine-D3	7.212	45591	34816	1.3095	50.3218
Methadone	Methadone-D9	7.242	541651	403018	1.3440	51.0676

CS

# ISP FORENSICS - Pocatello Instrument # 59740

## Multi-Drug Confirmatory Analysis Report

Panel 1b Cal 4

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.284	50223	46648	1.0767	45.0585
Oxazepam	Oxazepam-D5	7.309	46914	50410	0.9307	47.7484
Sertraline	Sertraline-D3	7.345	11391	11076	1.0284	43.8288
Buprenorphine	Buprenorphine-D4	7.355	13244	64778	0.2044	4.6092
Temazepam	Temazepam-D5	7.367	291080	276688	1.0520	53.6965
Nordiazepam	Temazepam-D5	7.434	85184	276688	0.3079	52.6992
Diazepam	Diazepam-D5	7.490	209302	156443	1.3379	50.1594

# ISP FORENSICS - Pocatello Instrument # 59740

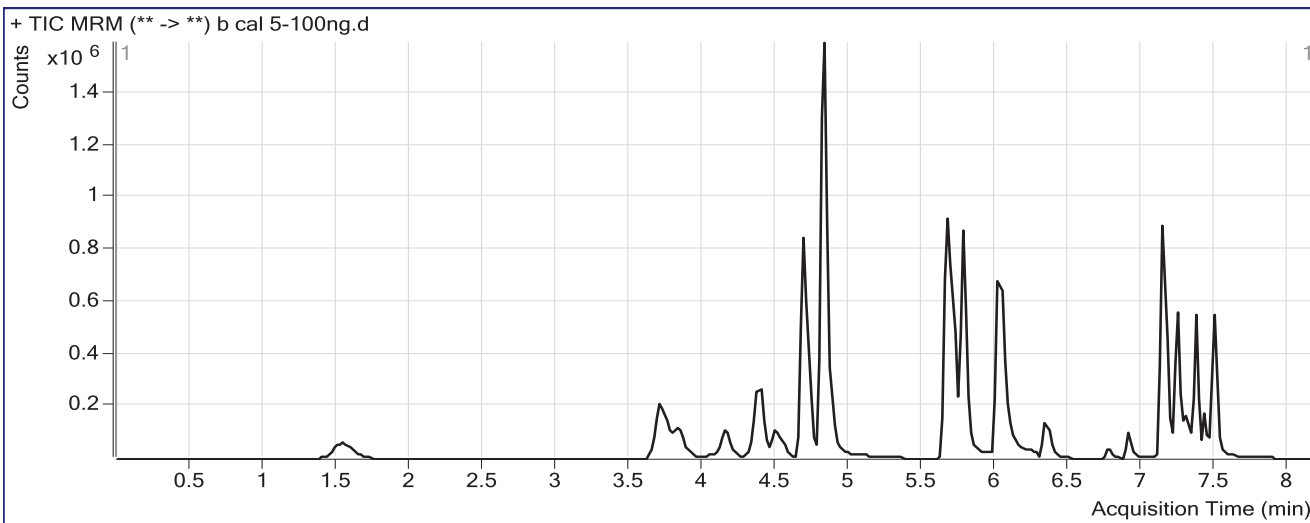
## Multi-Drug Confirmatory Analysis Report

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<b>Report Time</b>	12/21/2017 11:06 AM	<b>Reporter Name</b>	ISPUser
<b>Last Calib Update</b>	12/21/2017 11:00 AM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2017-12-13 00:34	<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>	MD Quant Panel 1b 12-12-17.m
<b>Position</b>	P1-E1	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	AM 28

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.548	365681	124331	2.9412	98.4848
Dihydrocodeine	Dihydrocodeine-D6	3.715	377472	193299	1.9528	104.8945
Naloxone	Naloxone-D5	3.851	419631	242250	1.7322	95.6623
Noroxycodone	Noroxycodone-D3	4.159	331857	119376	2.7799	94.8328
Naltrexone	Naltrexone-D3	4.391	511103	227050	2.2511	103.5057
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.543	99912	389470	0.2565	9.2380
Naltrexol	Naltrexol-D3	4.689	1536942	619126	2.4824	107.2136
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	4.838	3895625	1583731	2.4598	96.0333
Ketamine	Ketamine-D4	5.681	1966206	868252	2.2646	98.0394
Norfentanyl	Norfentanyl-D5	5.722	164779	724011	0.2276	9.6722
alpha-PVP	alpha-PVP-d8	6.027	1211942	698512	1.7350	82.6928
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.358	49106	372760	0.1317	8.8640
Norbuprenorphine	Norbuprenorphine-D3	6.692	796	3188	0.2496	11.3933
Fentanyl	Fentanyl-D5	6.780	20951	104637	0.2002	9.4777
EDDP	EDDP-D3	6.910	154740	72637	2.1303	103.4162
Quetiapine	Quetiapine-D8	7.138	1586999	143417	11.0656	109.4785
Sufentanil	Sufentanil-D5	7.158	8316	36747	0.2263	9.9850
Cyclobenzaprine	Cyclobenzaprine-D3	7.212	56954	22642	2.5154	95.3216
Methadone	Methadone-D9	7.242	790076	293047	2.6961	101.3737

# ISP FORENSICS - Pocatello Instrument # 59740

## Multi-Drug Confirmatory Analysis Report

Panel 1b Cal 5

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.284	71588	29949	2.3904	98.3129
Oxazepam	Oxazepam-D5	7.308	86662	44641	1.9413	94.7091
Sertraline	Sertraline-D3	7.345	15866	7054	2.2493	96.5726
Buprenorphine	Buprenorphine-D4	7.355	17393	40999	0.4242	9.4034
Temazepam	Temazepam-D5	7.367	594266	335461	1.7715	89.2623
Nordiazepam	Temazepam-D5	7.434	183275	335461	0.5463	92.6569
Diazepam	Diazepam-D5	7.490	424582	154347	2.7508	101.4417

# ISP FORENSICS - Pocatello Instrument # 59740

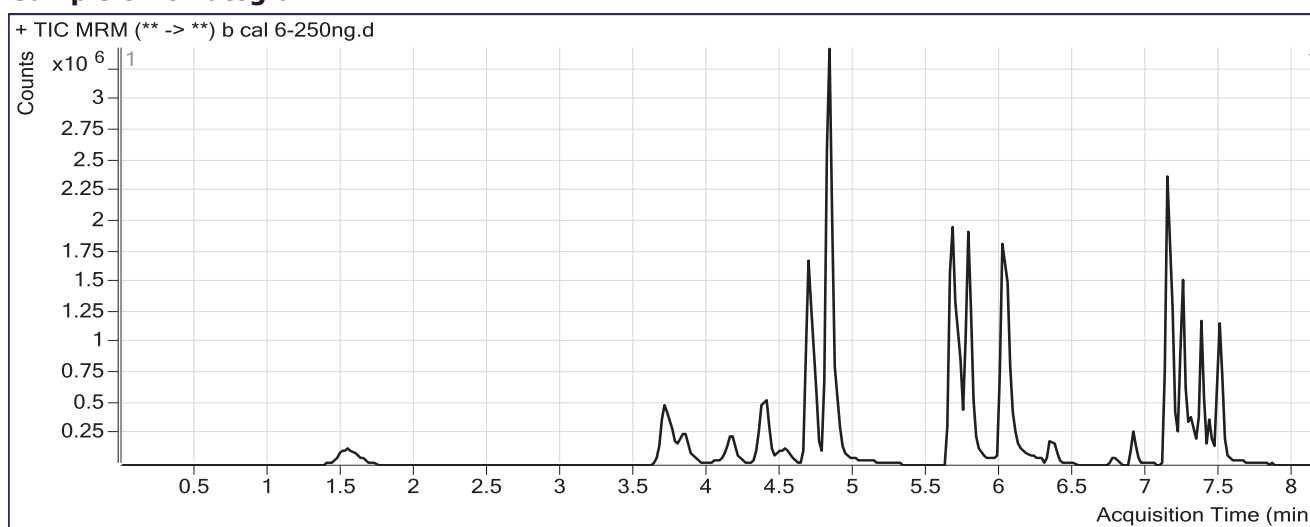
## Multi-Drug Confirmatory Analysis Report

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<b>Report Time</b>	12/21/2017 11:07 AM	<b>Reporter Name</b>	ISPUser
<b>Last Calib Update</b>	12/21/2017 11:00 AM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2017-12-13 01:06	<b>Data File</b>	b cal 6-250ng.d
<b>Sample Type</b>	Calibration	<b>Sample Name</b>	b cal 6-250ng
<b>Dilution</b>	1	<b>Acq Method</b>	MD Quant Panel 1b 12-12-17.m
<b>Position</b>	P1-F1	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	AM 28

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.548	928917	120015	7.7400	257.3646
Dihydrocodeine	Dihydrocodeine-D6	3.715	943251	185240	5.0921	274.6900
Naloxone	Naloxone-D5	3.851	990072	211533	4.6805	256.4508
Noroxycodone	Noroxycodone-D3	4.179	832557	114496	7.2715	245.9329
Naltrexone	Naltrexone-D3	4.391	1116383	199841	5.5863	256.2383
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.563	258373	357487	0.7227	25.8264
Naltrexol	Naltrexol-D3	4.689	3633993	548594	6.6242	287.7311
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	4.838	9949608	1553274	6.4056	248.9225
Ketamine	Ketamine-D4	5.681	4688005	827661	5.6642	243.8566
Norfentanyl	Norfentanyl-D5	5.722	445107	740991	0.6007	25.1123
alpha-PVP	alpha-PVP-d8	6.027	3936357	632620	6.2223	294.5966
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.358	156671	428426	0.3657	24.1684
Norbuprenorphine	Norbuprenorphine-D3	6.692	1935	3617	0.5348	24.4901
Fentanyl	Fentanyl-D5	6.780	60038	115662	0.5191	23.8631
EDDP	EDDP-D3	6.910	477882	87975	5.4320	262.5649
Quetiapine	Quetiapine-D8	7.138	3864918	158737	24.3479	240.1071
Sufentanil	Sufentanil-D5	7.158	24832	41265	0.6018	26.3643
Cyclobenzaprine	Cyclobenzaprine-D3	7.212	181214	27910	6.4929	243.7373
Methadone	Methadone-D9	7.242	2371537	346662	6.8411	255.5928

# ISP FORENSICS - Pocatello Instrument # 59740

## Multi-Drug Confirmatory Analysis Report

Panel 1b Cal 6

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.284	203037	31866	6.3715	259.6969
Oxazepam	Oxazepam-D5	7.308	244556	30591	7.9943	375.9603
Sertraline	Sertraline-D3	7.345	60143	9947	6.0465	260.6186
Buprenorphine	Buprenorphine-D4	7.355	46286	39929	1.1592	25.4362
Temazepam	Temazepam-D5	7.367	1511850	280807	5.3839	267.8369
Nordiazepam	Temazepam-D5	7.434	455457	280807	1.6220	272.8885
Diazepam	Diazepam-D5	7.490	1055218	144247	7.3154	267.1078

# ISP FORENSICS - Pocatello Instrument # 59740

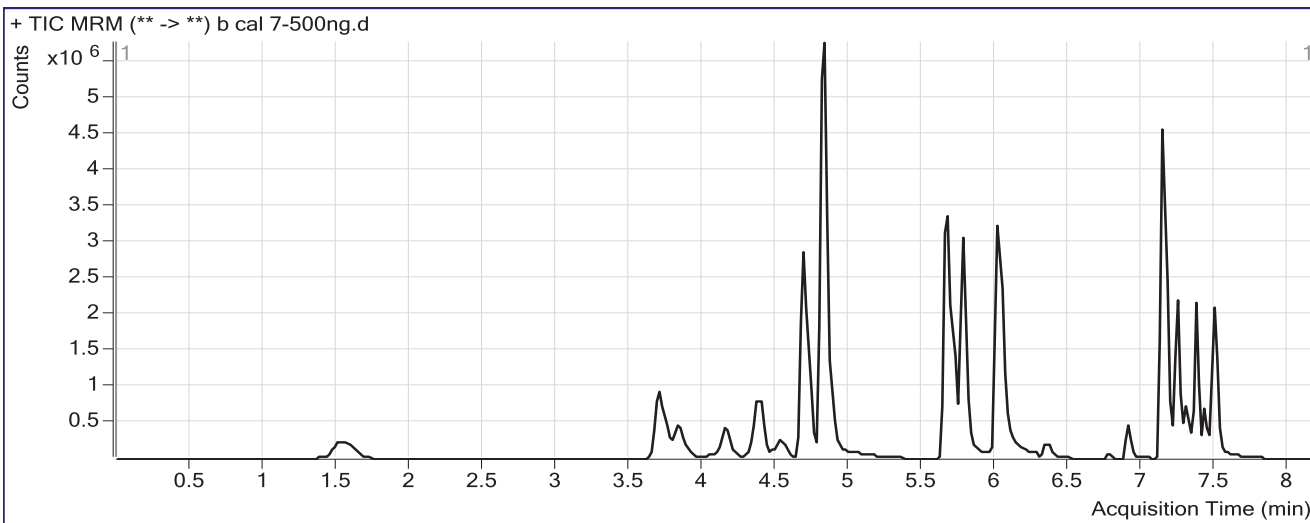
## Multi-Drug Confirmatory Analysis Report

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<b>Report Time</b>	12/21/2017 11:07 AM	<b>Reporter Name</b>	ISPUser
<b>Last Calib Update</b>	12/21/2017 11:00 AM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2017-12-13 01:37	<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>	MD Quant Panel 1b 12-12-17.m
<b>Position</b>	P1-G1	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	AM 28

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.548	1822060	119396	15.2606	506.3594
Dihydrocodeine	Dihydrocodeine-D6	3.715	1818926	189077	9.6201	519.5978
Naloxone	Naloxone-D5	3.831	1773451	187308	9.4681	517.5570
Noroxycodone	Noroxycodone-D3	4.159	1542350	104242	14.7958	499.0586
Naltrexone	Naltrexone-D3	4.391	1872572	178436	10.4944	480.9917
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.543	575524	365806	1.5733	56.0902
Naltrexol	Naltrexol-D3	4.689	6559411	556975	11.7769	512.3084
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	4.838	18888532	1552095	12.1697	472.2674
Ketamine	Ketamine-D4	5.681	9911763	871738	11.3701	488.5991
Norfentanyl	Norfentanyl-D5	5.722	888599	728381	1.2200	50.7398
alpha-PVP	alpha-PVP-d8	6.027	6950861	683659	10.1671	480.8846
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.358	242682	337967	0.7181	47.2197
Norbuprenorphine	Norbuprenorphine-D3	6.692	3056	2683	1.1392	52.2532
Fentanyl	Fentanyl-D5	6.780	83730	80920	1.0347	47.1272
EDDP	EDDP-D3	6.910	897592	79077	11.3509	547.8682
Quetiapine	Quetiapine-D8	7.138	7580217	155240	48.8289	480.8734
Sufentanil	Sufentanil-D5	7.158	37852	31766	1.1916	52.0931
Cyclobenzaprine	Cyclobenzaprine-D3	7.212	269073	18575	14.4854	541.9751
Methadone	Methadone-D9	7.242	3482129	254805	13.6658	509.5170



C8

# ISP FORENSICS - Pocatello Instrument # 59740

## Multi-Drug Confirmatory Analysis Report

Panel 1b Cal 7

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.284	294015	25170	11.6812	474.9393
Oxazepam	Oxazepam-D5	7.308	548882	51903	10.5752	495.8846
Sertraline	Sertraline-D3	7.345	104741	8250	12.6955	547.8638
Buprenorphine	Buprenorphine-D4	7.355	55911	20835	2.6835	58.6862
Temazepam	Temazepam-D5	7.367	2995691	278844	10.7433	532.7644
Nordiazepam	Temazepam-D5	7.434	919558	278844	3.2978	553.6869
Diazepam	Diazepam-D5	7.490	1973998	153911	12.8256	467.0971

# ISP FORENSICS - Pocatello Instrument # 59740

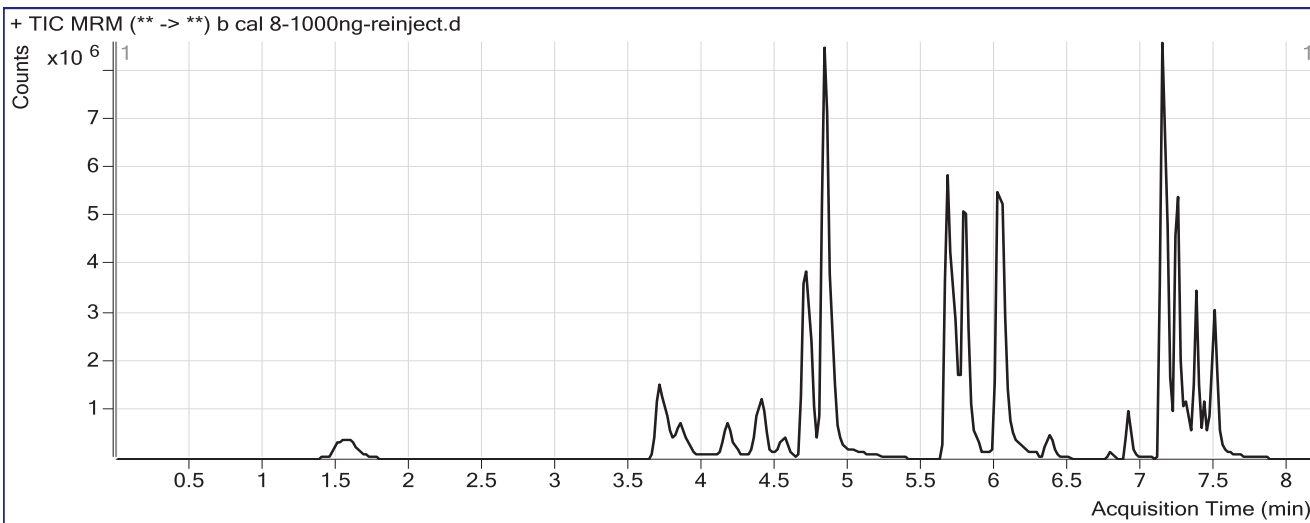
## Multi-Drug Confirmatory Analysis Report

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**Analysis Time** 12/21/2017 11:00 AM **Analyst Name** ISPUser  
**Report Time** 12/21/2017 11:11 AM **Reporter Name** ISPUser  
**Last Calib Update** 12/21/2017 11:00 AM **Batch State** Processed

### Analysis Info

**Acq Time** 2017-12-14 10:34 **Data File** b cal 8-1000ng-reinject.d  
**Sample Type** Calibration **Sample Name** b cal 8-1000ng  
**Dilution** 1 **Acq Method** MD Quant Panel 1b 12-12-17.m  
**Position** P1-H1 **Sample Info**  
**Inj Vol** -1 **Comment** AM 28

### Sample Chromatogram



### Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.568	3222112	107960	29.8455	989.2373
Dihydrocodeine	Dihydrocodeine-D6	3.715	3098898	177019	17.5060	946.1292
Naloxone	Naloxone-D5	3.851	2902784	140423	20.6717	1128.5672
Noroxycodone	Noroxycodone-D3	4.179	2661587	88593	30.0430	1011.9891
Naltrexone	Naltrexone-D3	4.391	2772881	127982	21.6661	992.5783
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.563	1029015	312052	3.2976	117.4417
Naltrexol	Naltrexol-D3	4.709	9605647	445399	21.5664	938.9818
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	4.838	30908934	1161091	26.6206	1032.2011
Ketamine	Ketamine-D4	5.681	17354782	761057	22.8035	979.0061
Norfentanyl	Norfentanyl-D5	5.742	1583713	660377	2.3982	99.4990
alpha-PVP	alpha-PVP-d8	6.027	12881756	649743	19.8259	937.0040
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.358	715178	446733	1.6009	104.9723
Norbuprenorphine	Norbuprenorphine-D3	6.692	8266	4372	1.8908	86.7745
Fentanyl	Fentanyl-D5	6.780	221049	95601	2.3122	104.7614
EDDP	EDDP-D3	6.910	1782947	91687	19.4460	938.0686
Quetiapine	Quetiapine-D8	7.138	16497339	166104	99.3191	977.4342
Sufentanil	Sufentanil-D5	7.158	92379	41487	2.2267	97.2476
Cyclobenzaprine	Cyclobenzaprine-D3	7.212	597833	23073	25.9104	968.2928
Methadone	Methadone-D9	7.242	9625768	345461	27.8635	1037.7600

CS

# ISP FORENSICS - Pocatello Instrument # 59740

## Multi-Drug Confirmatory Analysis Report

Panel 1b Cal 8

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.284	469412	17697	26.5256	1076.6925
Oxazepam	Oxazepam-D5	7.308	965347	44590	21.6495	1010.4487
Sertraline	Sertraline-D3	7.345	137381	5729	23.9818	1035.4437
Buprenorphine	Buprenorphine-D4	7.355	112453	20343	5.5280	120.7345
Temazepam	Temazepam-D5	7.367	5226755	270108	19.3506	958.2517
Nordiazepam	Temazepam-D5	7.434	1397601	270108	5.1742	868.1109
Diazepam	Diazepam-D5	7.490	2915471	104451	27.9124	1014.6638

**Idaho State Police  
Forensic Services  
Toxicology Discipline**

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**Request for Departure from an Analytical Method**

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Date of Request  
12-15-2017

Forensic Scientist  
Celena Shrum

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

Request

Per our conversation yesterday, I am formally requesting a deviation to reconstitute the level 7 calibrator for this run (which was previously injected on Tuesday and has since dried out) with 100ul 20% methanol in water and reinject it to obtain useable data for panel 1a. The data acquisition pathway specified was incorrect (it acquired panel 1b twice instead of panel 1a) when the sample ran the first time.

**Lab Manager Review**

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Departure approved  
Comments:

Departure Not Approved  
Comments:

Date: 12/15/17



Rachel Cutler  
Pocatello Laboratory Manager