













**REVIEWED**  
By Anne Nord at 10:18 am, Nov 19, 2018

**Worklist: 2772**

<u>LAB_CASE</u>	<u>ITEM</u>	<u>TASK_ID</u>	<u>DESCRIPTION</u>	
M2018-4986	1	130913	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
M2018-5040	2	130914	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
M2018-5085	1	130915	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
M2018-5137	1	130916	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
M2018-5167	4	130917	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
M2018-5222	5	130918	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-2828	1	131614	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-2828	2	130919	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-2932	1	130920	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-3016	1	130921	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-3037	1	130922	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-3067	1	130923	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	

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

Extraction Date: 11/02/2018

Analyst: Celena Shrum

Plate lot#: 0530563

Plate Expiration: 05/21/2019

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

**Blank Blood Lot:** 445283-1

**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: \_\_\_\_\_

### Analytic:

- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. Pipette **250µL blood (calibrated pipette) Pipette ID: 16** in wells of analytical (standards) plate.
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes. *Shaker ID: 067105*
- 4. Pipette **250µL 00.5M ammonium hydroxide** in wells of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 6. Transfer **300µL of blood+base** mixture to corresponding wells of SLE+ plate.
- 7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent).  
*(Load at 85-100 PSI- Selector to the right) Manifold ID: 067104*
- 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: 067103*
- 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: *C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS*  
 Batch Names: *MDQ P1a 110218 CS and MDQ P1b 110218 CS*
- 2. Make necessary changes to integration limits
- 3. Integration linear and R<sup>2</sup> values ≥0.98 for each analyte.
- 4. For unknown samples and controls: response ratio within 20% of average of controls and standards, RT within +/- 5% (tramadol RT +/-2%), S/N for primary transition >10 and secondary transitions >5.
- 5. Did all QCs pass for each analyte? Y / N \_\_\_\_\_ Add Control data to QC tracking spreadsheet.
- 6. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports.

### COMMENTS:

*Not Evaluated: Benzoylcegonine, Buprenorpine, and Norbuprenorphine*

A few of the samples had to be reinjected as they were run on the wrong method the first time (supposed to be run on panel 1a but method specified in worklist was panel 1b).

*Curve Limitations:*

*6-MAM 2.5-100*

*Alpha-hydroxy alprazolam 10-1000*

*Amphetamine 10-1000*

*Dextromethorphan 10-1000*

*Doxylamine 5-500*

*Lorazepam 25-500*

*Metoprolol 5-500*

*Norhydrocodone 25-1000* ~~10-1000~~ <sub>CS</sub> QC10 ratio is off so curve is limited to 25-1000 <sub>CS</sub>

*Phentermine 25-1000*

*Cyclobenzaprine 10-1000*

*Fentanyl 2.5-100*

*Mirtazapine 50-1000*

*Mitragynine 5-500*

*Nordiazepam 10-1000*

*Norfentanyl 2.5-100*

*Sertraline 25-1000*



# Idaho State Police Forensic Services

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

**Analyst:** Celena Shrum  
**Extraction Date:** 11/02/18  
**Worklist Number:** 2772

<i>Reagent</i>	<i>Lot Number</i>	<i>Expiration Date</i>	<i>Date in Service</i>	<i>Date Out of Service</i>	<i>Initials</i>
ToxBox Benzo/Opiate Quant Plate	0530563	05/21/19	06/05/18		
Negative Blood	445283-1		10/25/18		
Methanol External Control Solution	121217	12/12/18	12/12/17		
Blood External Control Solution	WS121217	12/12/18	12/12/17		
0.5M Ammonium Hydroxide	082818	02/28/19	08/28/18		
Formic Acid (LCMS Grade)	095180B		11/15/17		
Water (LCMS Grade)	182702		06/21/18		
Methanol (LCMS Grade)	177145		04/11/18		
Ammonium Formate (LCMS Grade)	A0287238		01/30/17		
Ammonium Hydroxide (ACS grade or better)	053200		08/03/07		
Ethyl Acetate (ACS grade or better)	100362		06/26/17		
20% LCMS Methanol in LCMS Water	082818		08/28/18		
5mM Ammonium Formate + 0.01% Formic Acid in Water (Mobile Phase A)	110218		11/02/18		
0.01% Formic Acid in Methanol (Mobile Phase B)	100918		10/09/18		
Needle Rinse--75% LCMS MeOH in LCMS Water	100918		10/09/18		

**Methanol External Control Solution (Lot:121217)**  
100 ul each 1 mg/mL stock solution in 9600 ul MeOH

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>	<i>Expiration Date</i>
Methanol (LCMS)	Fisher	172516	
Trazodone	Cerilliant	FN12151403	01/01/2020
Ketamine	Cerilliant	FE01131504	02/01/2020
Morphine	Cerilliant	FE08141515	11/01/2020
Quetiapine	Cerilliant	FN02021502	02/01/2020
Prepared:	12/12/17		
Prepared By:	Tamara Salazar		
Expires:	12/12/18		

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

Blood External Control Solution (Lot: WS121217 )

50 ul of methanol external control solution was added to 9950 ul of blood.

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
Negative Blood	Hemostat	361331-3
Methanol External Control Solution		121217
Prepared:	12/12/17	
Prepared by:	Tamara Salazar	
Expires:	12/12/18	

0.5M Ammonium Hydroxide (Lot: 082818)

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
Ammonium Hydroxide (ACS grade or better)	Fisher	053200
DI Water	-	-
Prepared:	08/28/18	
Prepared By:	Tamara Salazar	
Expires:	02/28/19	

20% LCMS Methanol in LCMS Water (Lot: 082818)

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
MeOH (LCMS Grade)	Fisher	177145
Water (LCMS Grade)	Fisher	182702
Prepared:	08/28/18	
Prepared By:	Tamara Salazar	
Expires:	Remake as needed	

5mM Ammonium Formate + 0.01% Formic Acid in Water (Mobile Phase A) (Lot: 110218)

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
Ammonium Formate	Arcos Organic	A0287238
LCMS Water	Fisher	182702
Formic Acid	Fisher	095180B
Prepared:	11/02/18	
Prepared By:	Celena Shrum	

0.01% Formic Acid in LCMS Methanol (Mobile Phase B) (Lot: 100918)

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
Formic Acid	Fisher	095180B
MeOH (LCMS Grade)	Fisher	177145
Prepared:	10/09/18	
Prepared By:	Tamara Salazar	

Needle Rinse (75% LCMS MeOH in LCMS Water) (Lot: 100918)

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
MeOH (LCMS Grade)	Fisher	177145
Water (LCMS Grade)	Fisher	182702
Prepared:	10/09/18	
Prepared By:	Sarah Pickle	

# ISP FORENSICS - Pocatello Instrument # 59740

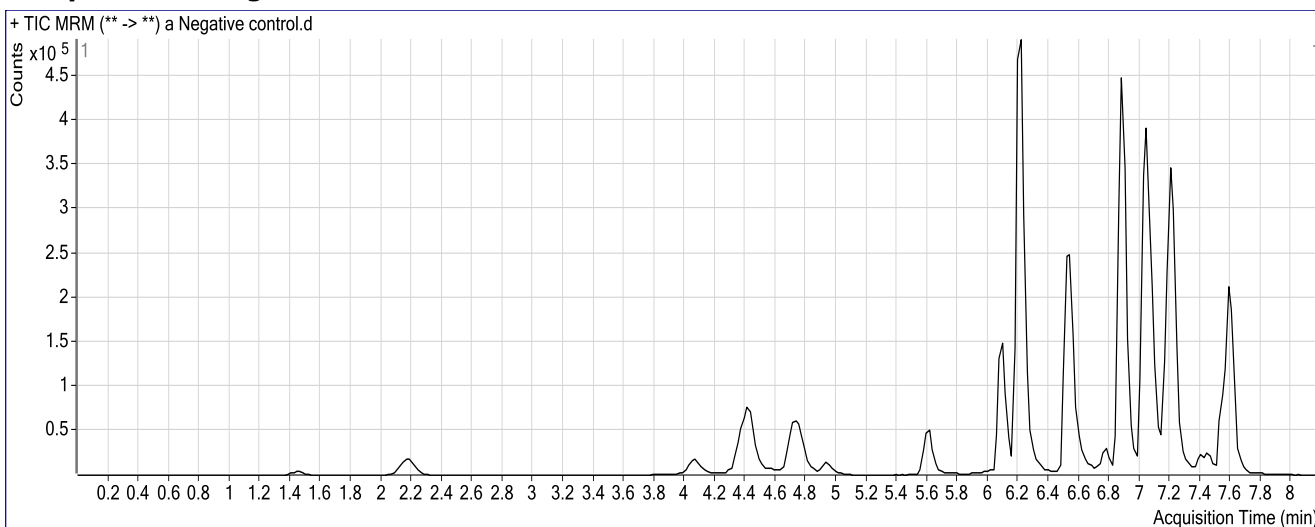
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P1a 110218 CS.t		
<b>Analysis Time</b>	11/9/2018 12:21 PM	<b>Analyst Name</b>	ISPUser
<b>Report Time</b>	11/9/2018 12:26 PM	<b>Reporter Name</b>	ISPUser
<b>Last Calib Update</b>	11/9/2018 12:21 PM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2018-11-02 23:38	<b>Data File</b>	a Negative control.d
<b>Sample Type</b>	Sample	<b>Sample Name</b>	a Negative control.d
<b>Dilution</b>	1	<b>Acq Method</b>	MD Quant Panel 1a 7-11-18.m
<b>Position</b>	P1-E2	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	AM 28

### Sample Chromatogram



# ISP FORENSICS - Pocatello Instrument # 59740

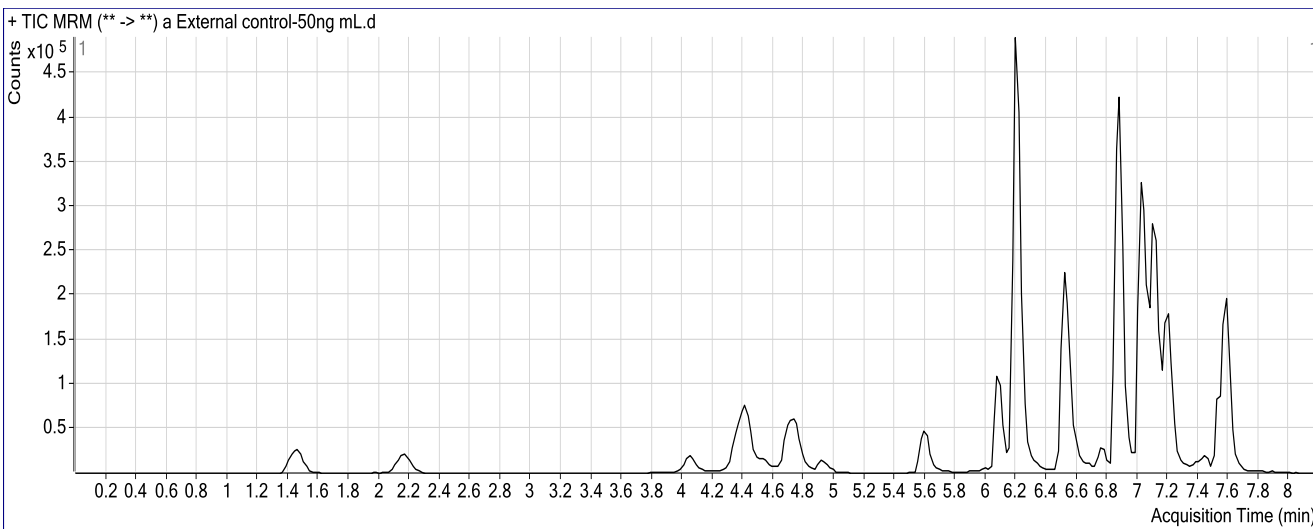
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P1a 110218 CS.batch.bin  
**Analysis Time** 11/9/2018 12:21 PM **Analyst Name** ISPUser  
**Report Time** 11/9/2018 12:26 PM **Reporter Name** ISPUser  
**Last Calib Update** 11/9/2018 12:21 PM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-11-03 00:10 **Data File** a External control-50ng mL.d  
**Sample Type** Sample **Sample Name** a External control-50ng mL.d  
**Dilution** 1 **Acq Method** MD Quant Panel 1a 7-11-18.m  
**Position** P1-F2 **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	1.468	54931	19266	2.8512	49.6035
Trazodone	Trazodone-D6	7.117	401028	292444	1.3713	44.1657

# ISP FORENSICS - Pocatello Instrument # 59740

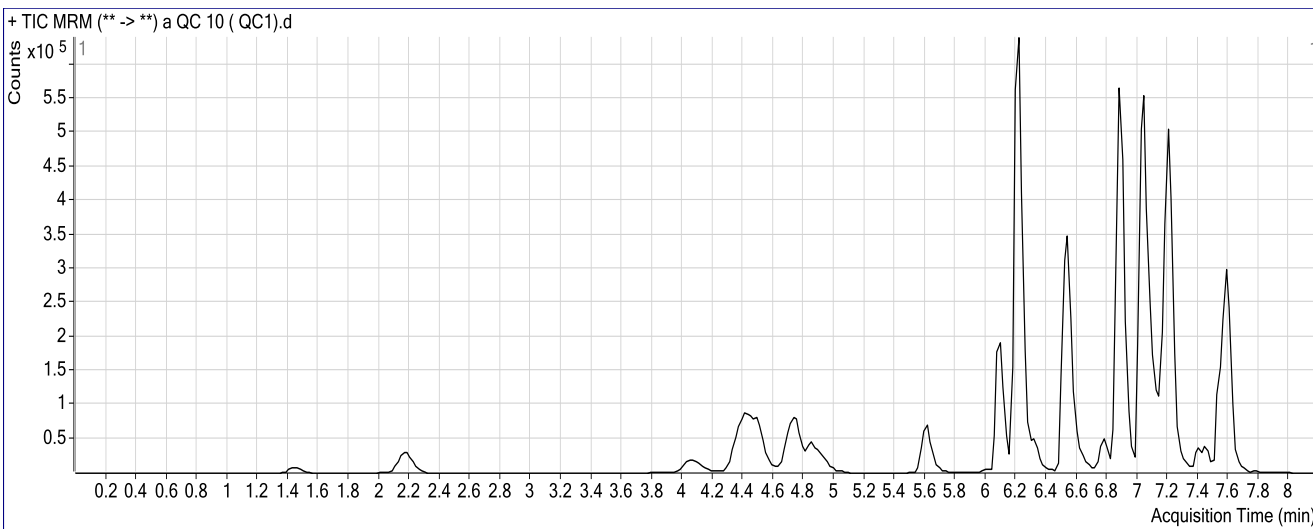
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P1a 110218 CS.batch.bin		
<b>Analysis Time</b>	11/16/2018 12:08 PM	<b>Analyst Name</b>	ISPUser
<b>Report Time</b>	11/16/2018 1:01 PM	<b>Reporter Name</b>	ISPUser
<b>Last Calib Update</b>	11/16/2018 12:08 PM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2018-11-03 01:13	<b>Data File</b>	a QC 10 ( QC1).d
<b>Sample Type</b>	QC	<b>Sample Name</b>	a QC 10 ( QC1).d
<b>Dilution</b>	1	<b>Acq Method</b>	MD Quant Panel 1a 7-11-18.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
Morphine	Morphine-D6	1.468	10388	20353	0.5104	9.4545
Hydromorphone	Hydromorphone-D6	2.189	33902	132762	0.2554	9.2415
Codeine	Codeine-D6	4.113	12775	69633	0.1835	8.7832
Oxycodone	Oxycodone-D6	4.470	108050	350325	0.3084	9.9815
Amphetamine	Amphetamine-D11	4.523	187792	263181	0.7135	10.3080
Hydrocodone	Hydrocodone-D6	4.755	38842	261136	0.1487	9.6266
Norhydrocodone	Norhydrocodone-D3	4.798	10964	106213	0.1032	14.1673 Outside curve range
Methamphetamine	Methamphetamine-D11	4.861	158625	108117	1.4672	13.7827
6-MAM	6-MAM-D6	4.949	1052	46417	0.0227	1.2542 Outside curve range
Phentermine	Phentermine-D5	5.646	48410	274304	0.1765	12.8509 Outside curve range
Dextrophan	Dextrophan-D3	6.102	69077	576996	0.1197	9.6349
7-aminoclonazepam	7-Aminoclonazepam-D4	6.236	69006	328748	0.2099	9.4054
Tramadol	Tramadol-13C-D3	6.224	310340	1770803	0.1753	9.6540
Metoprolol	Tramadol-13C-D3	6.322	43806	1770803	0.0247	10.1816
Doxylamine	Doxylamine-D5	6.563	113163	1230086	0.0920	9.3778
Bupropion	Bupropion-D9	6.812	27100	127416	0.2127	8.4855
Zolpidem	Zolpidem-D6	6.902	267278	1598889	0.1672	9.8537
Meprobamate	Meprobamate-D7	6.914	38323	143912	0.2663	11.2963
Venlafaxine	Venlafaxine-D6	7.046	404725	1474255	0.2745	9.8013
Trazodone	Trazodone-D6	7.117	125711	488610	0.2573	9.3553



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# ISP FORENSICS - Pocatello Instrument # 59740

## Multi-Drug Confirmatory Analysis Report a QC 10

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.159	83083	481299	0.1726	9.1810
Dextromethorphan	Dextromethorphan-D3	7.191	23931	95428	0.2508	10.5122
Diphenhydramine	Diphenhydramine-D3	7.214	246817	1012677	0.2437	10.5917
Promethazine	Promethazine-D3	7.409	26535	66083	0.4015	9.0717
Clonazepam	Clonazepam-D4	7.465	34968	32962	1.0609	8.6219
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.521	11843	50675	0.2337	12.8835
Carisoprodol	Carisoprodol-D7	7.555	85793	229046	0.3746	10.5868
<b>Lorazepam</b>	<b>Alprazolam-D5</b>	<b>7.564</b>	<b>13462</b>	<b>654262</b>	<b>0.0206</b>	<b>16.6355</b> Outside curve range
Alprazolam	Alprazolam-D5	7.588	159096	654262	0.2432	9.4304

# ISP FORENSICS - Pocatello Instrument # 59740

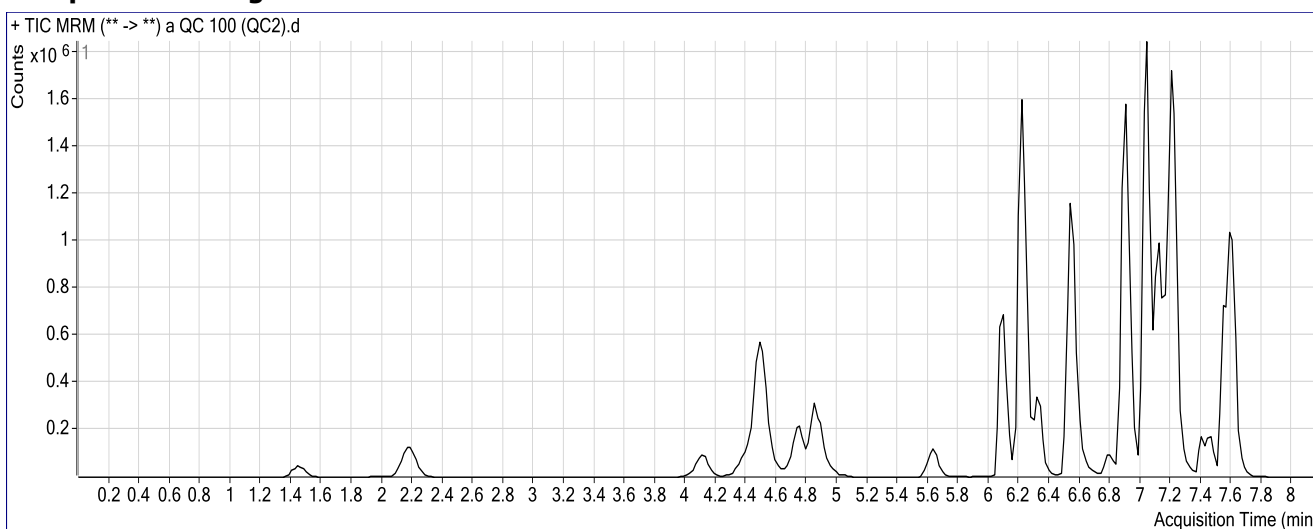
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P1a 110218 CS.batch.bin		
<b>Analysis Time</b>	11/16/2018 12:08 PM	<b>Analyst Name</b>	ISPUser
<b>Report Time</b>	11/16/2018 1:01 PM	<b>Reporter Name</b>	ISPUser
<b>Last Calib Update</b>	11/16/2018 12:08 PM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2018-11-03 03:35	<b>Data File</b>	a QC 100 (QC2).d
<b>Sample Type</b>	QC	<b>Sample Name</b>	a QC 100 (QC2).d
<b>Dilution</b>	1	<b>Acq Method</b>	MD Quant Panel 1a 7-11-18.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	1.468	108091	17643	6.1266	105.7847
Hydromorphone	Hydromorphone-D6	2.189	367957	119544	3.0780	99.2177
Codeine	Codeine-D6	4.113	132932	59985	2.2161	102.3314
Oxycodone	Oxycodone-D6	4.470	1138693	332450	3.4252	102.6716
Amphetamine	Amphetamine-D11	4.523	1563223	219061	7.1360	103.2724
Hydrocodone	Hydrocodone-D6	4.755	442171	246419	1.7944	94.6628
Norhydrocodone	Norhydrocodone-D3	4.798	115575	91675	1.2607	129.0348
Methamphetamine	Methamphetamine-D11	4.861	1125475	85067	13.2305	163.5933
6-MAM	6-MAM-D6	4.949	9628	45020	0.2139	8.0788
Phentermine	Phentermine-D5	5.646	385287	191620	2.0107	137.2359
Dextrophan	Dextrophan-D3	6.102	789986	600192	1.3162	98.7740
7-aminoclonazepam	7-Aminoclonazepam-D4	6.216	719928	294415	2.4453	99.6112
Tramadol	Tramadol-13C-D3	6.224	3158238	1699614	1.8582	94.2976
Metoprolol	Tramadol-13C-D3	6.322	453848	1699614	0.2670	101.3826
Doxylamine	Doxylamine-D5	6.543	1225186	1175410	1.0423	91.7100
Bupropion	Bupropion-D9	6.812	162115	66294	2.4454	88.7123
Zolpidem	Zolpidem-D6	6.902	2868093	1537341	1.8656	97.4794
Meprobamate	Meprobamate-D7	6.914	382560	134794	2.8381	108.4962
Venlafaxine	Venlafaxine-D6	7.046	4183197	1473717	2.8385	94.1702
Trazodone	Trazodone-D6	7.117	1484681	527587	2.8141	89.2497

# ISP FORENSICS - Pocatello Instrument # 59740

## Multi-Drug Confirmatory Analysis Report a QC 100

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.179	939064	464823	2.0203	89.3049
Dextromethorphan	Dextromethorphan-D3	7.211	332436	125931	2.6398	99.9160
Diphenhydramine	Diphenhydramine-D3	7.234	2518192	977620	2.5758	97.5244
Promethazine	Promethazine-D3	7.409	374839	80481	4.6575	110.7944
Clonazepam	Clonazepam-D4	7.465	385238	26199	14.7045	121.2072
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.521	120307	45237	2.6595	107.6872
Carisoprodol	Carisoprodol-D7	7.555	830399	210725	3.9407	116.0515
Lorazepam	Alprazolam-D5	7.584	96860	590196	0.1641	66.3764
Alprazolam	Alprazolam-D5	7.608	1579652	590196	2.6765	92.5389

CS

# ISP FORENSICS - Pocatello Instrument # 59740

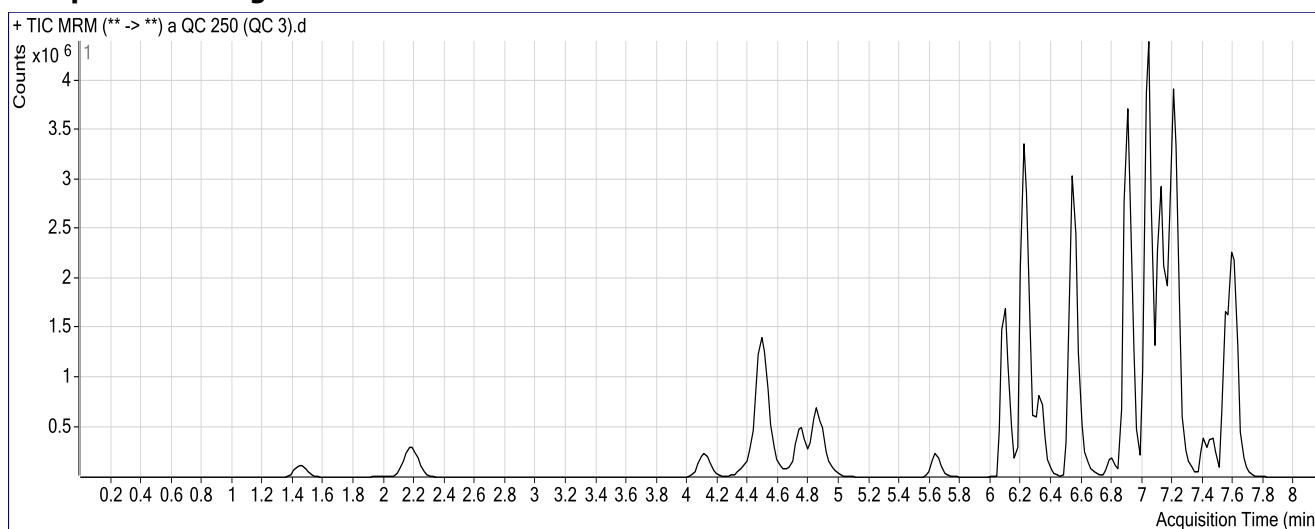
## Multi-Drug Confirmatory Analysis Report

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P1a 110218 CS.batch.bin  
**Analysis Time** 11/16/2018 12:08 PM **Analyst Name** ISPUser  
**Report Time** 11/16/2018 1:01 PM **Reporter Name** ISPUser  
**Last Calib Update** 11/16/2018 12:08 PM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-11-03 06:59 **Data File** a QC 250 (QC 3).d  
**Sample Type** QC **Sample Name** a QC 250 (QC 3).d  
**Dilution** 1 **Acq Method** MD Quant Panel 1a 7-11-18.m  
**Position** P1-C2 **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	1.468	297758	18578	16.0278	275.6113
Hydromorphone	Hydromorphone-D6	2.189	973784	115154	8.4564	270.6610
Codeine	Codeine-D6	4.113	347644	58777	5.9146	272.5493
Oxycodone	Oxycodone-D6	4.470	3124024	339449	9.2032	274.5089
Amphetamine	Amphetamine-D11	4.523	3737582	201091	18.5865	269.0166
Hydrocodone	Hydrocodone-D6	4.755	1269948	258002	4.9222	256.2892
Norhydrocodone	Norhydrocodone-D3	4.798	296658	84570	3.5078	352.0359
Methamphetamine	Methamphetamine-D11	4.861	2529443	84805	29.8265	374.9499
6-MAM	6-MAM-D6	4.969	28192	47758	0.5903	21.5148
Phentermine	Phentermine-D5	5.646	887142	179965	4.9295	335.1755
Dextrophan	Dextrophan-D3	6.102	2265247	642368	3.5264	263.4313
7-aminoclonazepam	7-Aminoclonazepam-D4	6.216	1769947	287841	6.1490	249.0717
Tramadol	Tramadol-13C-D3	6.224	8510567	1636800	5.1995	262.3474
Metoprolol	Tramadol-13C-D3	6.322	1163103	1636800	0.7106	268.3448
Doxylamine	Doxylamine-D5	6.543	3454664	1280448	2.6980	235.1461
Bupropion	Bupropion-D9	6.812	332986	50487	6.5955	237.8349
Zolpidem	Zolpidem-D6	6.902	8078401	1641481	4.9214	255.1321
Meprobamate	Meprobamate-D7	6.914	939233	132134	7.1082	269.8800
Venlafaxine	Venlafaxine-D6	7.046	11843187	1521172	7.7856	256.9528
Trazodone	Trazodone-D6	7.117	4314498	551987	7.8163	245.5571

23

**ISP FORENSICS - Pocatello Instrument # 59740**  
**Multi-Drug Confirmatory Analysis Report a QC 250**

<b>Compound</b>	<b>ISTD Compound</b>	<b>RT</b>	<b>Response</b>	<b>ISTD Resp</b>	<b>Resp Ratio</b>	<b>Final Conc</b>
Citalopram	Citalopram-D6	7.179	2495765	445242	5.6054	244.7769
Dextromethorphan	Dextromethorphan-D3	7.211	919720	125025	7.3563	276.4170
Diphenhydramine	Diphenhydramine-D3	7.234	6777763	945255	7.1703	268.7890
Promethazine	Promethazine-D3	7.409	904677	76739	11.7891	281.2470
Clonazepam	Clonazepam-D4	7.465	951534	26492	35.9181	296.2584
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.541	323533	50278	6.4349	255.2353
Carisoprodol	Carisoprodol-D7	7.555	1972054	200935	9.8144	289.7614
Lorazepam	Alprazolam-D5	7.584	324430	559294	0.5801	210.5191
Alprazolam	Alprazolam-D5	7.608	3899804	559294	6.9727	239.2739

# ISP FORENSICS - Pocatello Instrument # 59740

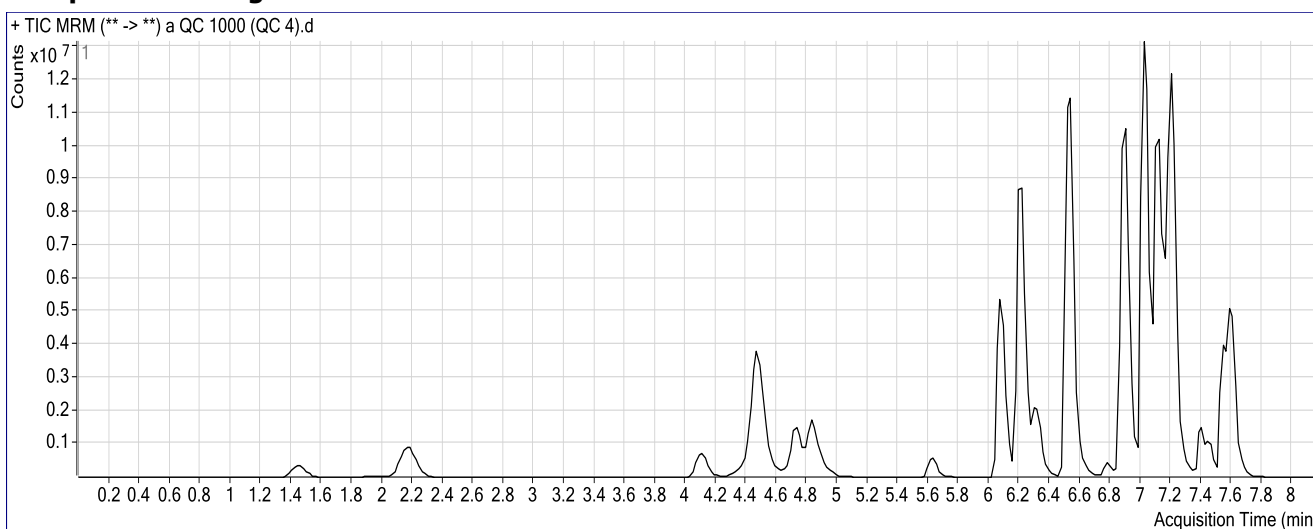
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P1a 110218 CS.batch.bin		
<b>Analysis Time</b>	11/16/2018 12:08 PM	<b>Analyst Name</b>	ISPUser
<b>Report Time</b>	11/16/2018 1:01 PM	<b>Reporter Name</b>	ISPUser
<b>Last Calib Update</b>	11/16/2018 12:08 PM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2018-11-03 11:42	<b>Data File</b>	a QC 1000 (QC 4).d
<b>Sample Type</b>	QC	<b>Sample Name</b>	a QC 1000 (QC 4).d
<b>Dilution</b>	1	<b>Acq Method</b>	MD Quant Panel 1a 7-11-18.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
Morphine	Morphine-D6	1.468	985296	14049	70.1336	1203.6440
Hydromorphone	Hydromorphone-D6	2.189	3241238	93275	34.7494	1108.7917
Codeine	Codeine-D6	4.113	998218	40024	24.9406	1148.1827
Oxycodone	Oxycodone-D6	4.450	10553657	271129	38.9249	1158.4205
Amphetamine	Amphetamine-D11	4.504	8405592	135030	62.2499	901.0368
Hydrocodone	Hydrocodone-D6	4.735	4277528	215282	19.8694	1028.6619
Norhydrocodone	Norhydrocodone-D3	4.778	755011	53804	14.0325	1396.4905
Methamphetamine	Methamphetamine-D11	4.841	6147927	59192	103.8642	1317.8471
6-MAM	6-MAM-D6	4.929	96925	37802	2.5640	91.9606
Phentermine	Phentermine-D5	5.646	2455636	122748	20.0056	1357.5467
Dextropropranolol	Dextropropranolol-D3	6.084	7718944	549095	14.0576	1048.0002
7-aminoclonazepam	7-Aminoclonazepam-D4	6.196	3864471	161741	23.8929	965.1023
Tramadol	Tramadol-13C-D3	6.224	28461475	1218595	23.3560	1175.5196
<b>Metoprolol</b>	<b>Tramadol-13C-D3</b>	<b>6.322</b>	<b>3127788</b>	<b>1218595</b>	<b>2.5667</b>	<b>967.0058</b> Outside curve range
<b>Doxylamine</b>	<b>Doxylamine-D5</b>	<b>6.543</b>	<b>13769226</b>	<b>1136655</b>	<b>12.1138</b>	<b>1050.8697</b> Outside curve range
Bupropion	Bupropion-D9	6.792	793043	25544	31.0458	1116.3988
Zolpidem	Zolpidem-D6	6.902	28880327	1335968	21.6175	1116.5093
Meprobamate	Meprobamate-D7	6.914	2664784	88985	29.9464	1133.0353
Venlafaxine	Venlafaxine-D6	7.026	41239159	1210242	34.0751	1122.0141
Trazodone	Trazodone-D6	7.117	16073065	459113	35.0089	1095.2625

2

# ISP FORENSICS - Pocatello Instrument # 59740

## Multi-Drug Confirmatory Analysis Report a QC 1000

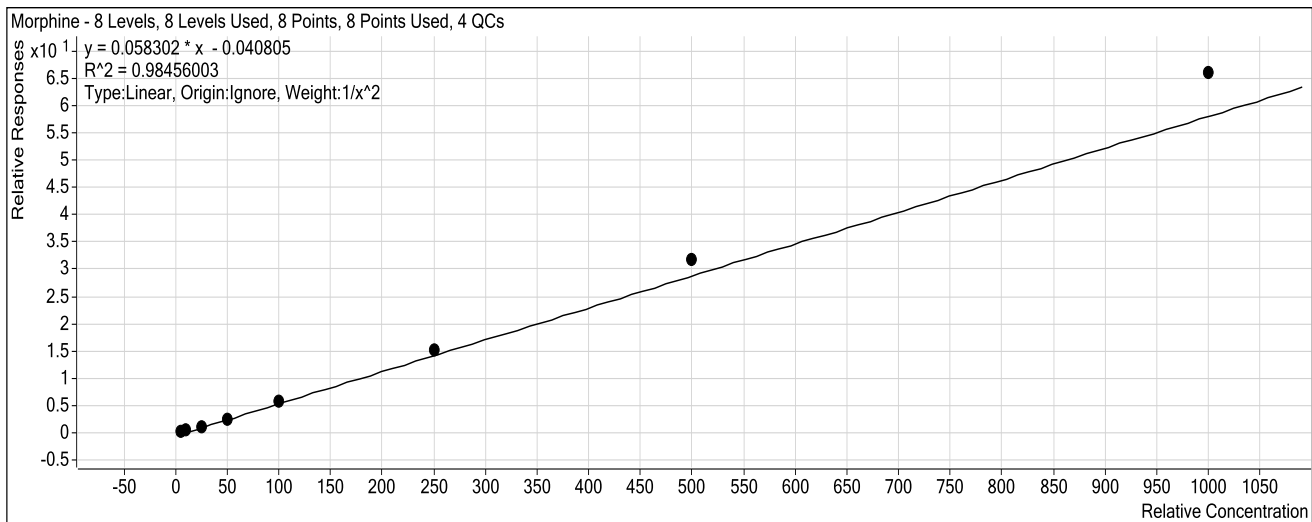
Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.159	8488913	337734	25.1349	1091.6827
Dextromethorphan	Dextromethorphan-D3	7.191	3478980	127051	27.3826	1025.8457
Diphenhydramine	Diphenhydramine-D3	7.214	24923445	848090	29.3877	1096.9738
Promethazine	Promethazine-D3	7.409	3812447	79898	47.7162	1139.9462
Clonazepam	Clonazepam-D4	7.465	2336213	16902	138.2193	1140.4310
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.521	1021719	39070	26.1507	1025.7655
Carisoprodol	Carisoprodol-D7	7.555	4766485	118676	40.1640	1187.3272
Lorazepam	Alprazolam-D5	7.564	1033612	314989	3.2814	1146.6283
Alprazolam	Alprazolam-D5	7.608	9781137	314989	31.0523	1061.6970

# ISP Forensics Calibration Curve Report

CS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P1a 110218 CS.batch.bin  
**Last Calib Update** 11/9/2018 12:21 PM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.4	108.9
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	8.9	89.4
a QC 10 ( QC1).d	2	<input checked="" type="checkbox"/>	10	9.5	94.5
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	21.9	87.7
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	42.8	85.7
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	101.2	101.2
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	105.8	105.8
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	262.4	105.0
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	275.6	110.2
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	544.0	108.8
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1133.6	113.4
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1203.6	120.4

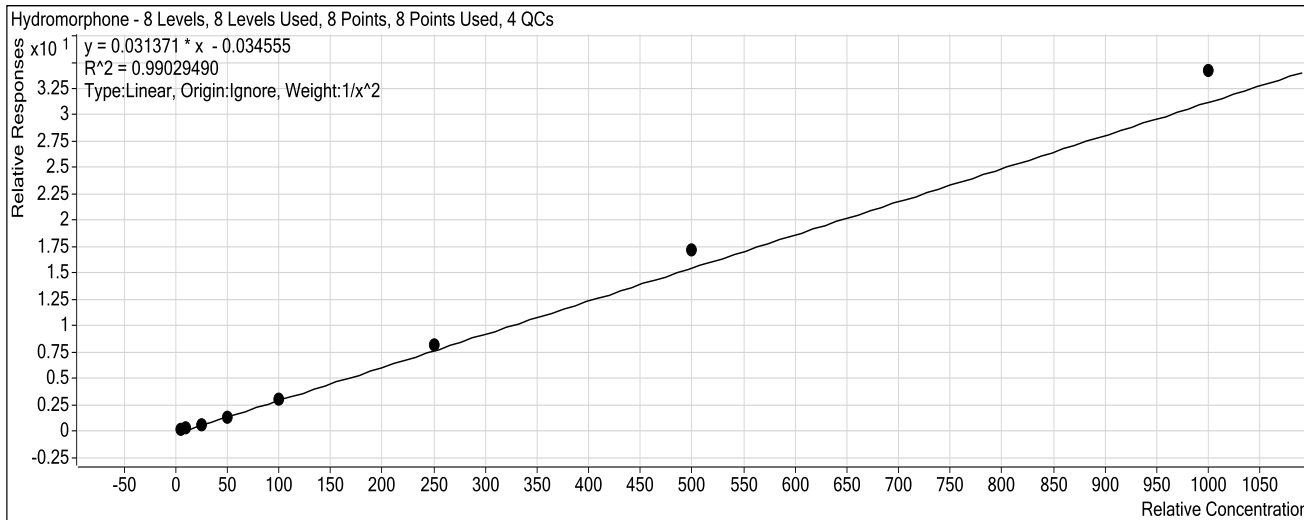


# ISP Forensics Calibration Curve Report

CG

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P1a 110218 CS.batch.bin  
**Last Calib Update** 11/9/2018 12:21 PM **Analyst Name** ISP TOX

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



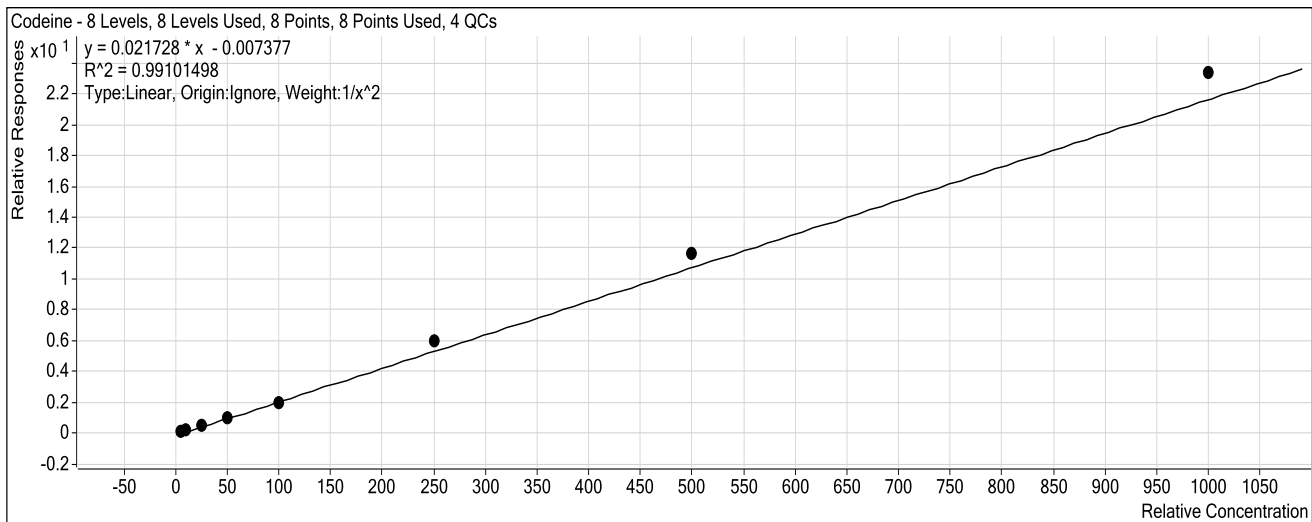
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.3	105.6
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.6	95.5
a QC 10 ( QC1).d	2	<input checked="" type="checkbox"/>	10	9.2	92.4
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	22.0	87.9
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	44.4	88.8
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	99.1	99.1
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	99.2	99.2
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	261.1	104.4
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	270.7	108.3
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	546.8	109.4
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1092.6	109.3
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1108.8	110.9

# ISP Forensics Calibration Curve Report

CS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P1a 110218 CS.batch.bin  
**Last Calib Update** 11/9/2018 12:21 PM **Analyst Name** ISP TOX

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



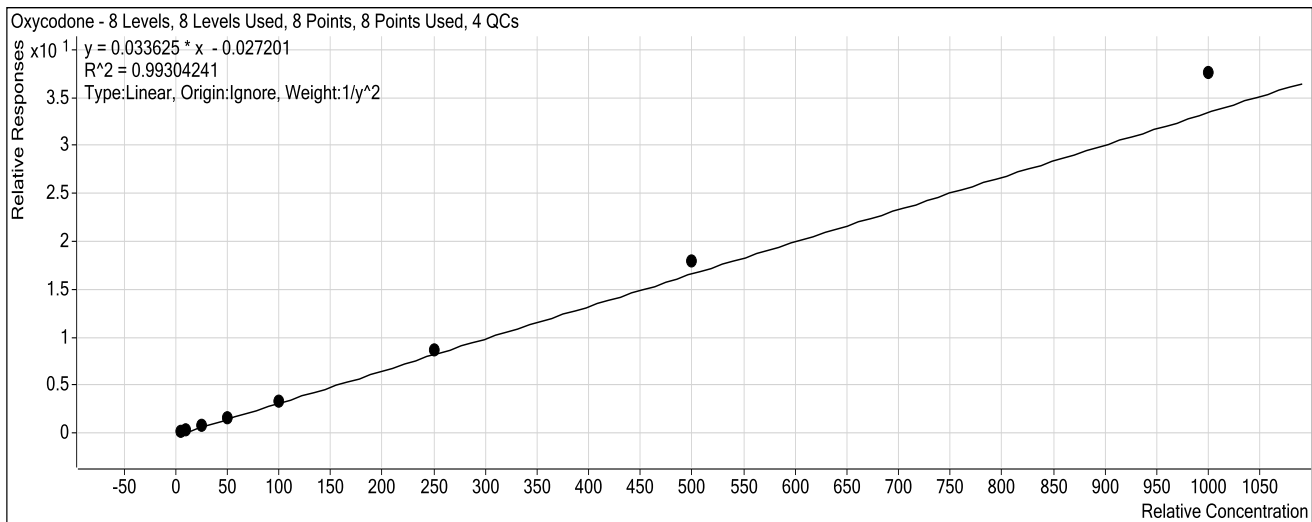
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.2	103.6
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.9	98.7
a QC 10 ( QC1).d	2	<input checked="" type="checkbox"/>	10	8.8	87.8
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	22.7	91.0
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	44.8	89.5
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	92.2	92.2
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	102.3	102.3
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	275.2	110.1
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	272.5	109.0
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	535.8	107.2
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1077.4	107.7
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1148.2	114.8

# ISP Forensics Calibration Curve Report

CS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P1a 110218 CS.batch.bin  
**Last Calib Update** 11/9/2018 12:21 PM **Analyst Name** ISP TOX

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



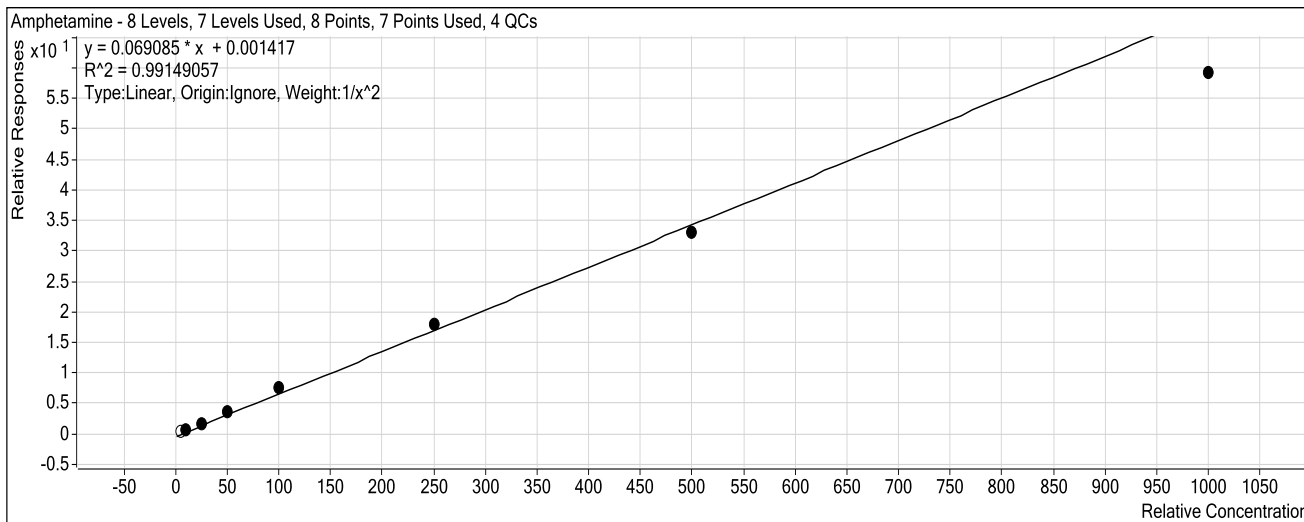
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.2	104.8
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.5	94.9
a QC 10 ( QC1).d	2	<input checked="" type="checkbox"/>	10	10.0	99.8
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	22.7	90.8
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	47.9	95.8
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	98.3	98.3
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	102.7	102.7
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	258.4	103.4
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	274.5	109.8
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	536.0	107.2
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1120.7	112.1
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1158.4	115.8

# ISP Forensics Calibration Curve Report

CJ

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P1a 110218 CS.batch.bin  
**Last Calib Update** 11/9/2018 12:21 PM **Analyst Name** ISP TOX

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



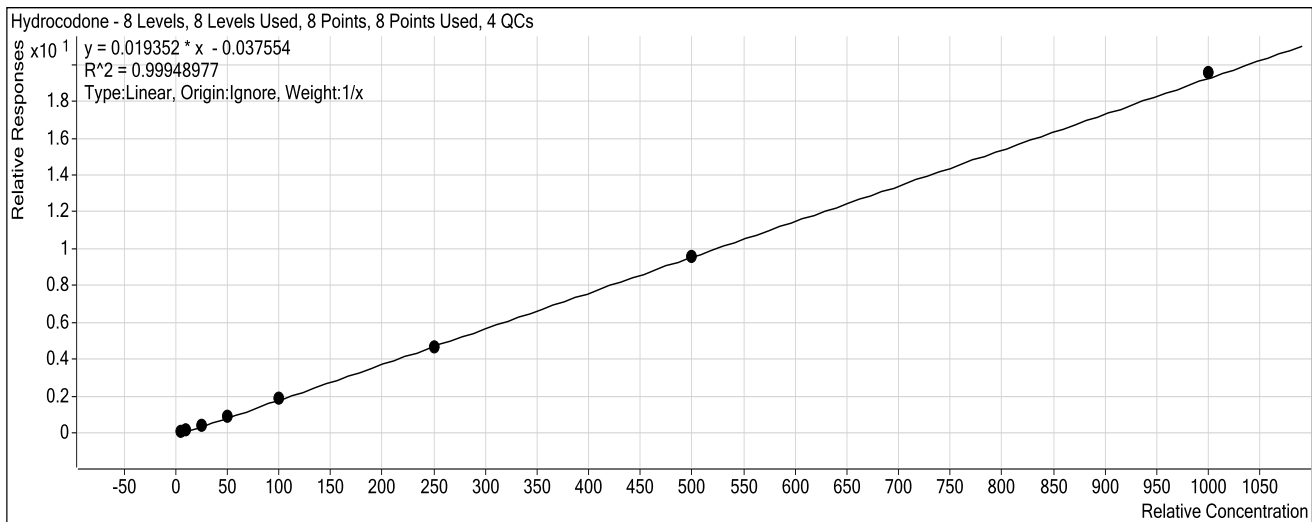
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input type="checkbox"/>	5	5.5	109.3
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.7	97.4
a QC 10 ( QC1).d	2	<input checked="" type="checkbox"/>	10	10.3	103.1
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	25.2	100.9
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	53.3	106.7
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	109.3	109.3
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	103.3	103.3
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	260.9	104.4
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	269.0	107.6
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	477.9	95.6
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	857.8	85.8
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	901.0	90.1

# ISP Forensics Calibration Curve Report

cg

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P1a 110218 CS.batch.bin  
**Last Calib Update** 11/9/2018 12:21 PM **Analyst Name** ISP TOX

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

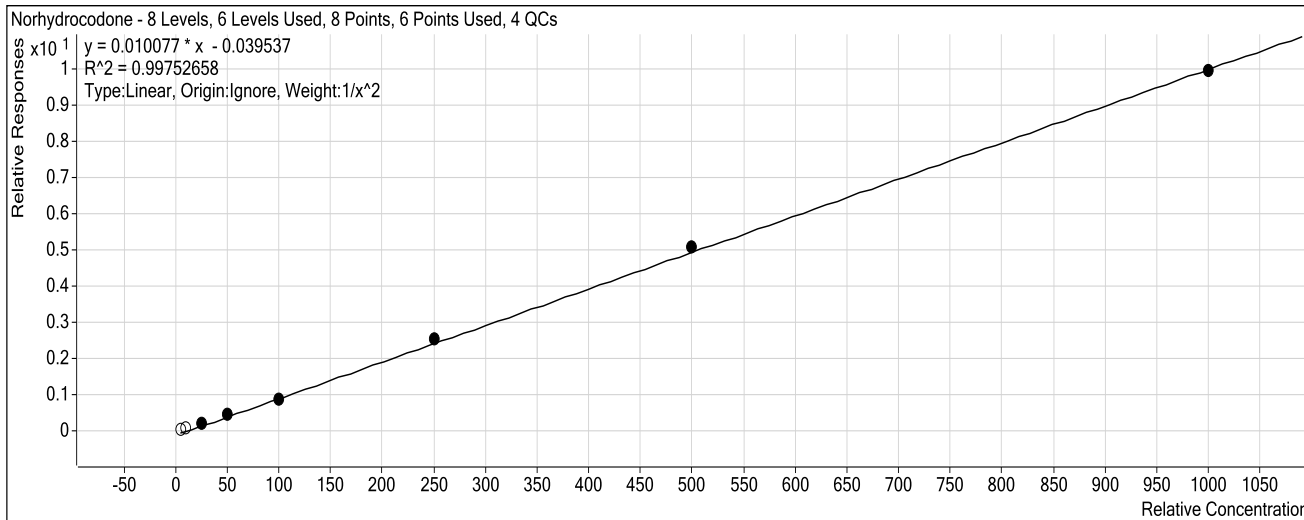


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.8	116.2
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	10.1	100.7
a QC 10 ( QC1).d	2	<input checked="" type="checkbox"/>	10	9.6	96.3
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	22.5	89.8
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	47.6	95.2
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	100.1	100.1
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	94.7	94.7
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	242.9	97.1
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	256.3	102.5
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	497.6	99.5
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1013.5	101.3
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1028.7	102.9

# ISP Forensics Calibration Curve Report

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P1a 110218 CS.batch.bin CS  
**Last Calib Update** 11/16/2018 12:08 PM **Analyst Name** ISP TOX

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



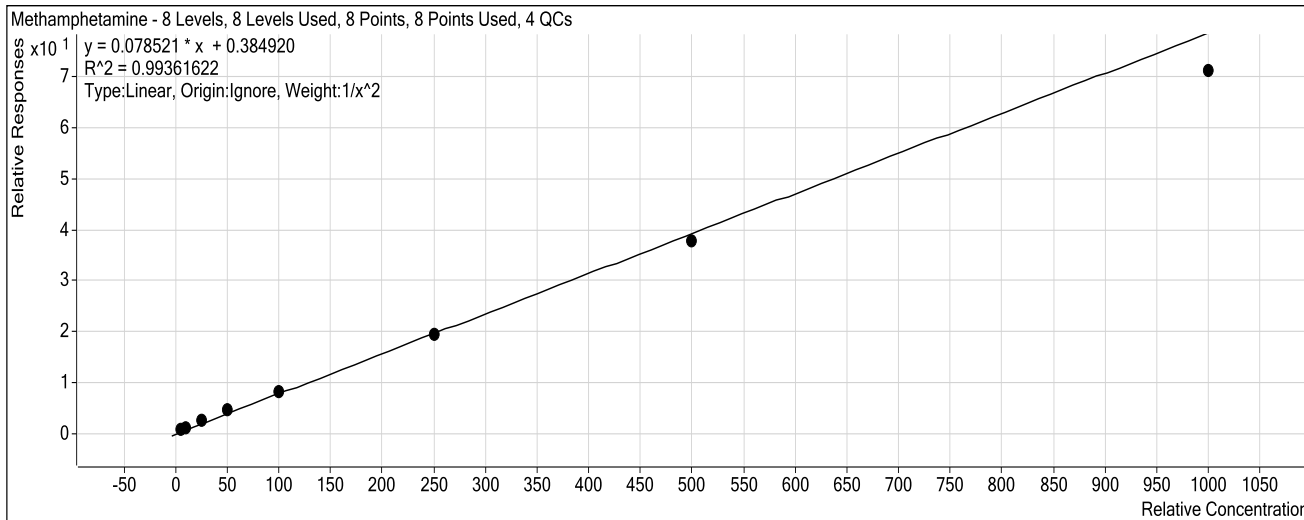
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input type="checkbox"/>	5	9.4	187.4
a cal 2-10ng.d	2	<input type="checkbox"/>	10	12.9	128.8
a QC 10 ( QC1).d	2	<input checked="" type="checkbox"/>	10	14.2	141.7 Ratio off CS
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	24.9	99.7
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	51.8	103.5
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	92.6	92.6
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	129.0	129.0
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	256.3	102.5
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	352.0	140.8
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	511.3	102.3
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	993.8	99.4
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1396.5	139.6

# ISP Forensics Calibration Curve Report

CJ

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P1a 110218 CS.batch.bin  
**Last Calib Update** 11/9/2018 12:21 PM **Analyst Name** ISP TOX

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



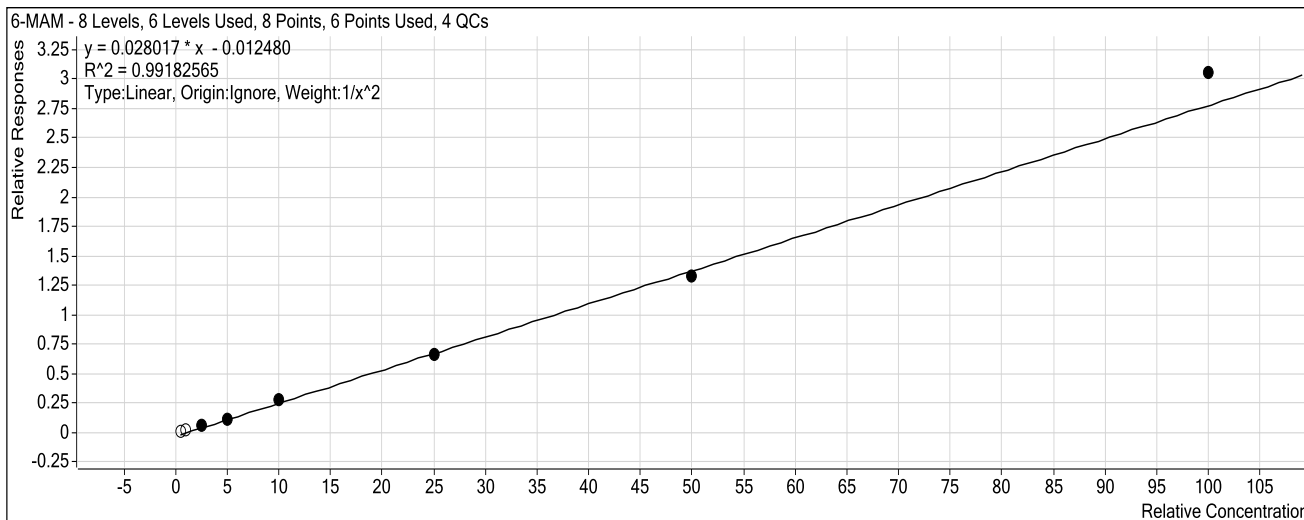
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	4.9	98.0
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.8	97.7
a QC 10 ( QC1).d	2	<input checked="" type="checkbox"/>	10	13.8	137.8
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	28.2	112.8
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	53.3	106.6
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	101.6	101.6
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	163.6	163.6
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	244.3	97.7
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	374.9	150.0
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	476.4	95.3
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	903.3	90.3
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1317.8	131.8

# ISP Forensics Calibration Curve Report

CS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P1a 110218 CS.batch.bin  
**Last Calib Update** 11/9/2018 12:21 PM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input type="checkbox"/>	0.5	0.7	144.6
a cal 2-10ng.d	2	<input type="checkbox"/>	1	1.1	111.1
a QC 10 ( QC1).d	2	<input type="checkbox"/>	1	1.3	125.4
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	2.5	2.6	104.6
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	5	4.5	89.6
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	10	10.4	103.8
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	10	8.1	80.8
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	25	24.1	96.3
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	25	21.5	86.1
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	50	48.0	96.1
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	100	109.6	109.6
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	100	92.0	92.0

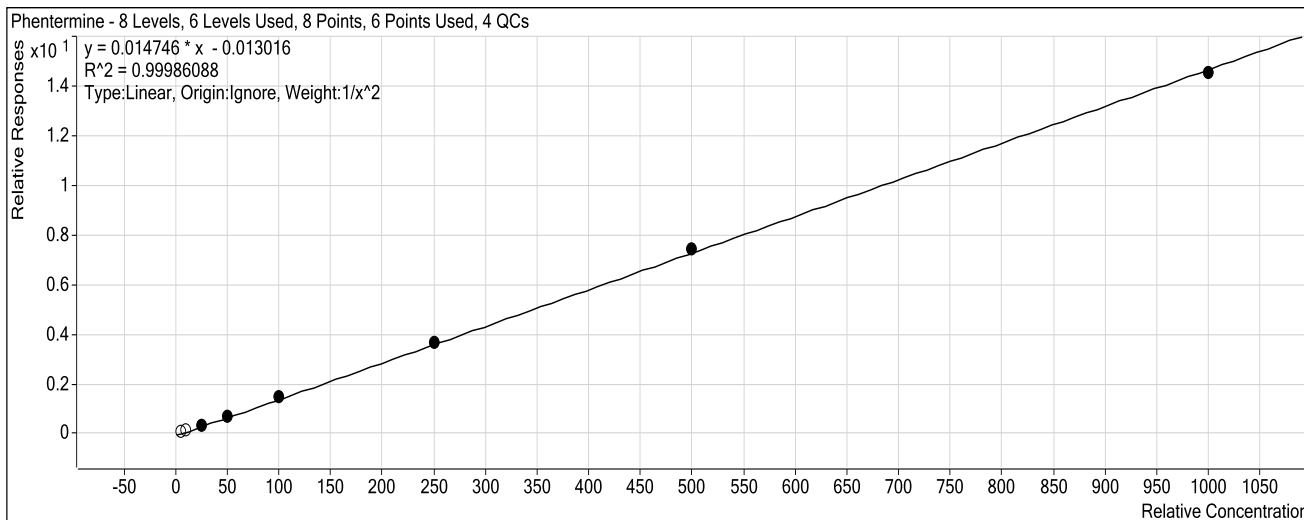


# ISP Forensics Calibration Curve Report

Cg

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P1a 110218 CS.batch.bin  
**Last Calib Update** 11/9/2018 12:21 PM **Analyst Name** ISP TOX

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



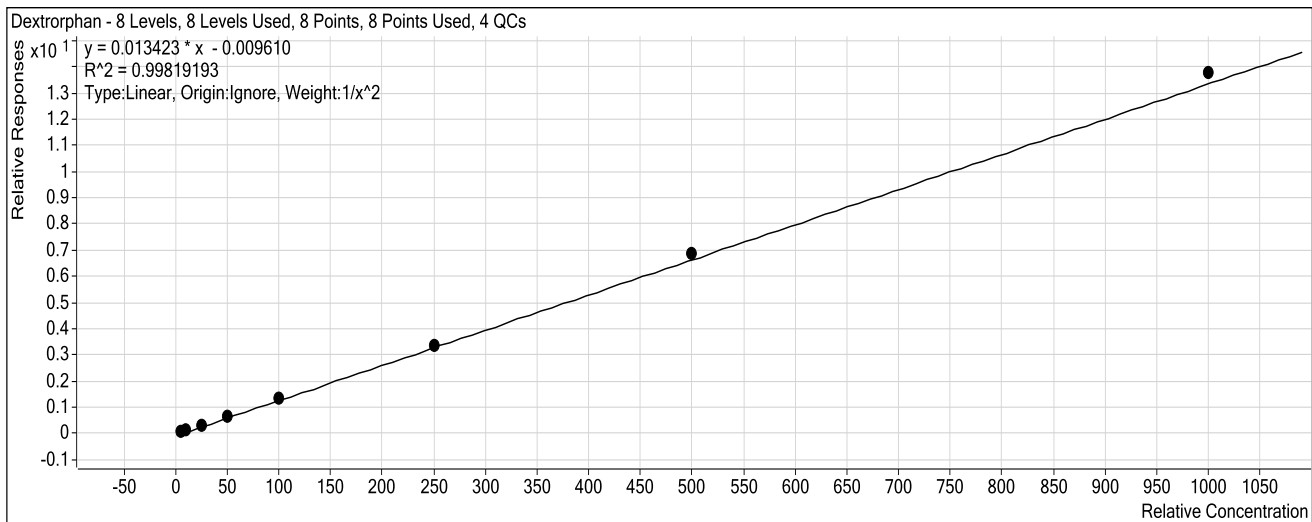
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input type="checkbox"/>	5	6.3	126.7
a cal 2-10ng.d	2	<input type="checkbox"/>	10	11.8	117.8
a QC 10 ( QC1).d	2	<input checked="" type="checkbox"/>	10	12.9	128.5
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	25.1	100.4
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	49.4	98.9
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	100.7	100.7
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	137.2	137.2
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	249.8	99.9
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	335.2	134.1
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	506.0	101.2
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	989.5	98.9
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1357.5	135.8

# ISP Forensics Calibration Curve Report

CS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P1a 110218 CS.batch.bin  
**Last Calib Update** 11/9/2018 12:21 PM **Analyst Name** ISP TOX

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



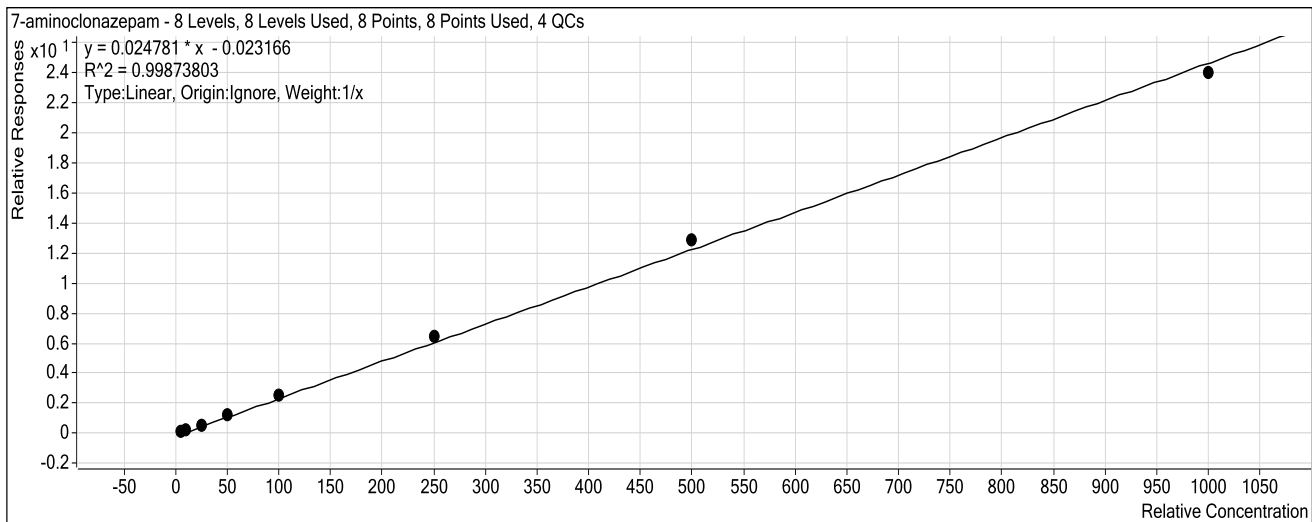
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.2	103.8
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.4	93.9
a QC 10 ( QC1).d	2	<input checked="" type="checkbox"/>	10	9.6	96.3
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.8	95.2
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	50.9	101.7
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	99.3	99.3
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	98.8	98.8
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	250.8	100.3
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	263.4	105.4
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	514.3	102.9
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1029.2	102.9
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1048.0	104.8

# ISP Forensics Calibration Curve Report

CS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P1a 110218 CS.batch.bin  
**Last Calib Update** 11/9/2018 12:21 PM **Analyst Name** ISP TOX

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



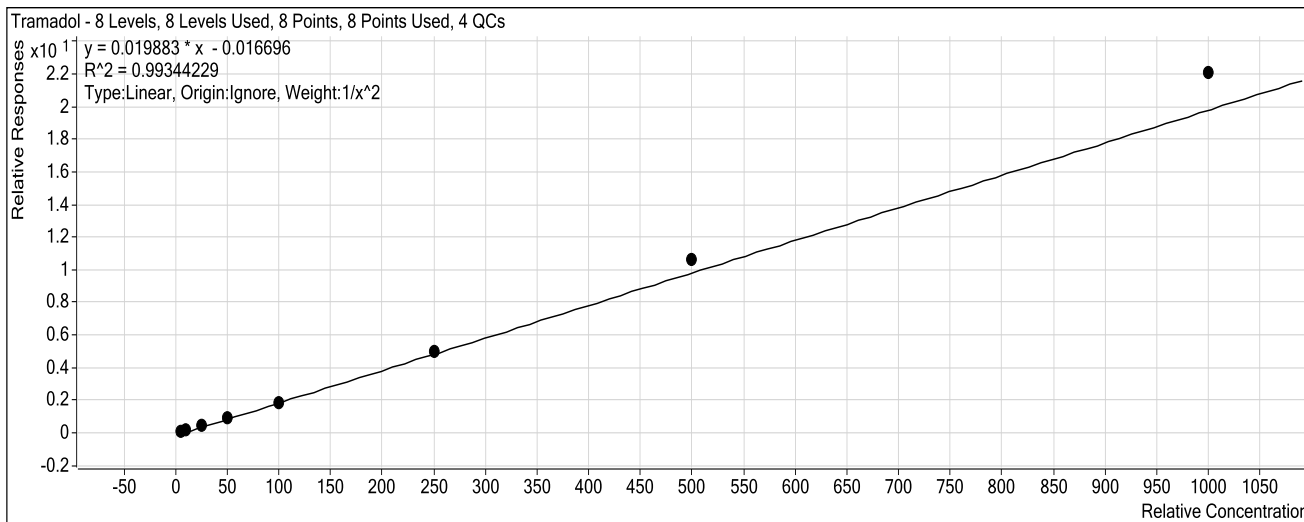
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.4	107.5
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.6	95.7
a QC 10 ( QC1).d	2	<input checked="" type="checkbox"/>	10	9.4	94.1
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.1	92.3
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	48.6	97.3
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	102.2	102.2
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	99.6	99.6
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	259.5	103.8
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	249.1	99.6
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	520.0	104.0
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	971.7	97.2
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	965.1	96.5

# ISP Forensics Calibration Curve Report

CJ

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P1a 110218 CS.batch.bin  
**Last Calib Update** 11/9/2018 12:21 PM **Analyst Name** ISP TOX

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



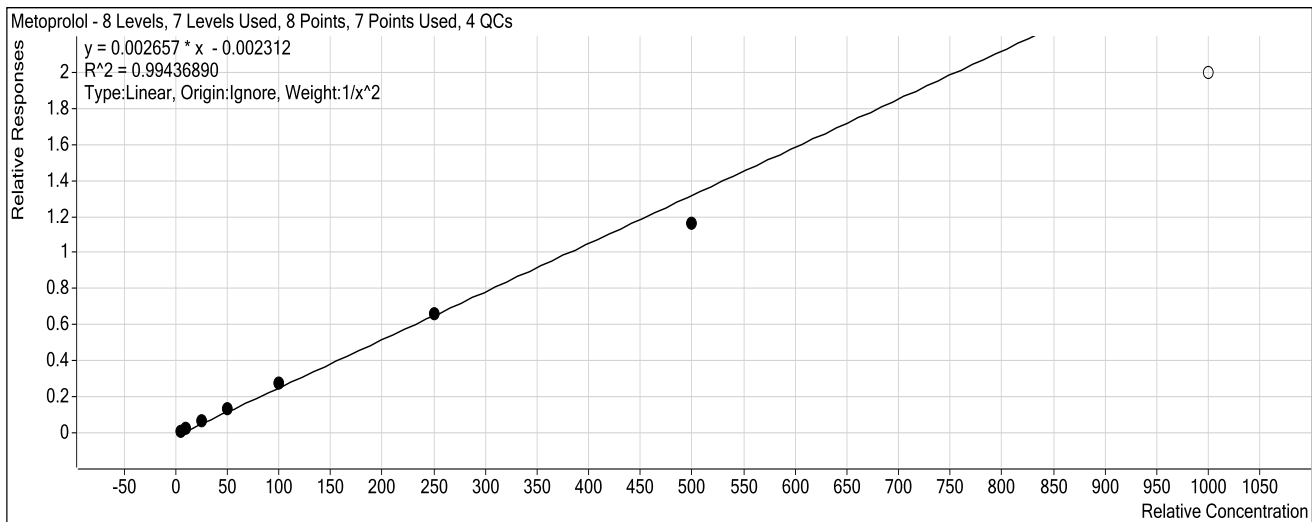
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.3	105.4
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.3	93.1
a QC 10 ( QC1).d	2	<input checked="" type="checkbox"/>	10	9.7	96.5
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.5	94.2
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	46.6	93.2
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	95.7	95.7
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	94.3	94.3
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	250.9	100.3
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	262.3	104.9
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	534.3	106.9
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1112.2	111.2
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1175.5	117.6

# ISP Forensics Calibration Curve Report

CS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P1a 110218 CS.batch.bin  
**Last Calib Update** 11/9/2018 12:21 PM **Analyst Name** ISP TOX

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



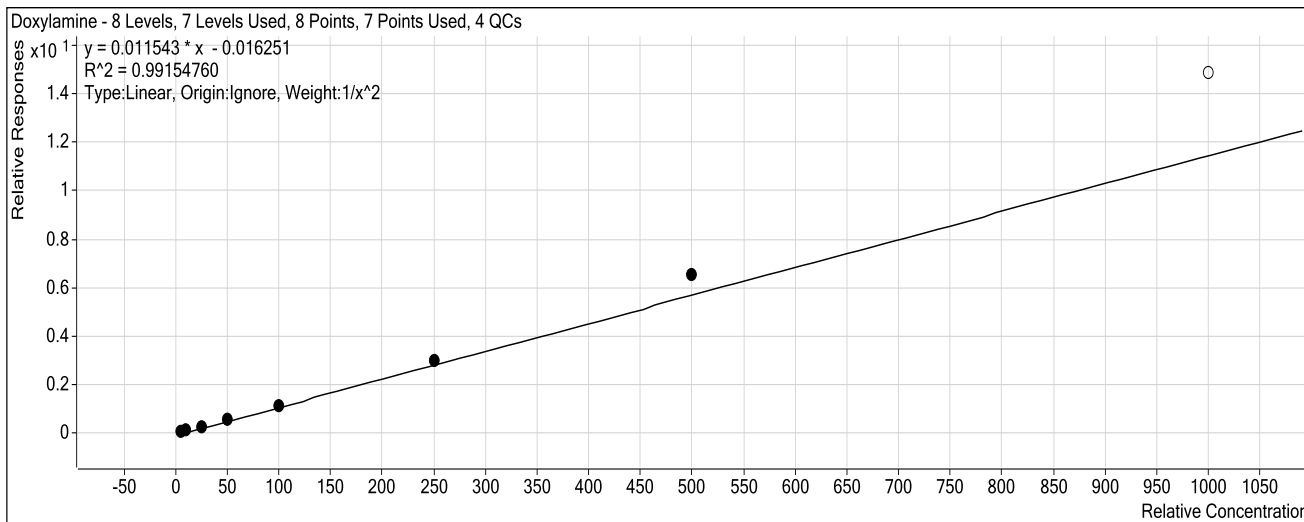
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	4.8	96.4
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	10.5	105.1
a QC 10 ( QC1).d	2	<input checked="" type="checkbox"/>	10	10.2	101.8
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	25.9	103.6
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	51.3	102.5
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	105.1	105.1
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	101.4	101.4
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	249.7	99.9
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	268.3	107.3
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	437.1	87.4
a cal 8-1000ng.d	8	<input type="checkbox"/>	1000	752.8	75.3
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	967.0	96.7

# ISP Forensics Calibration Curve Report

CJ

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P1a 110218 CS.batch.bin  
**Last Calib Update** 11/9/2018 12:21 PM **Analyst Name** ISP TOX

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



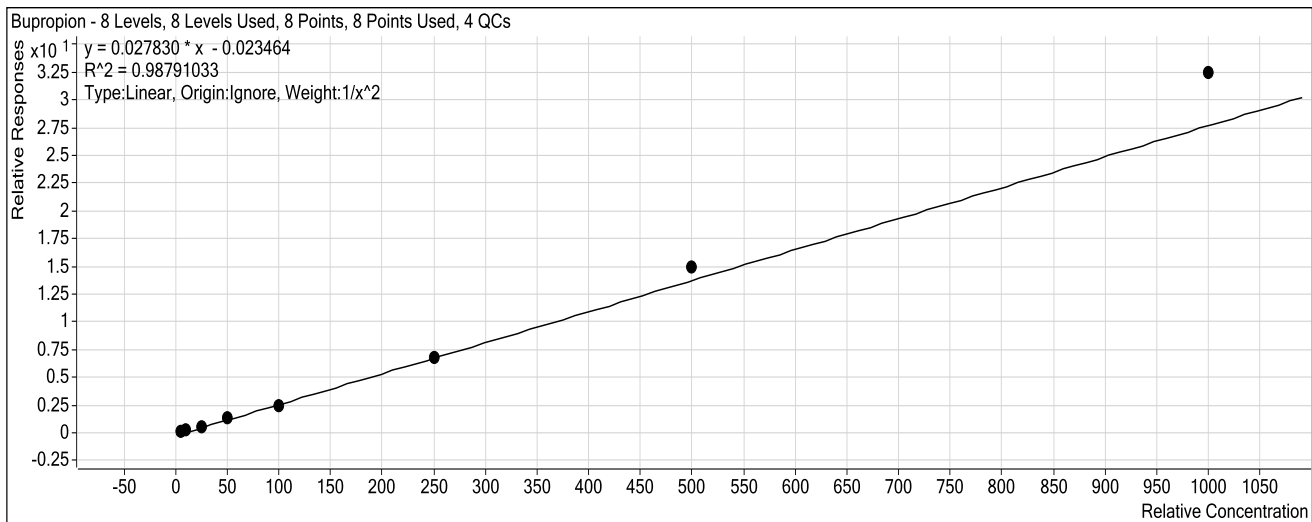
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.2	104.7
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.6	95.5
a QC 10 ( QC1).d	2	<input checked="" type="checkbox"/>	10	9.4	93.8
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	22.5	90.0
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	47.4	94.8
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	98.0	98.0
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	91.7	91.7
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	259.0	103.6
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	235.1	94.1
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	567.0	113.4
a cal 8-1000ng.d	8	<input type="checkbox"/>	1000	1292.3	129.2
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1050.9	105.1

# ISP Forensics Calibration Curve Report

CS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P1a 110218 CS.batch.bin  
**Last Calib Update** 11/9/2018 12:21 PM **Analyst Name** ISP TOX

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



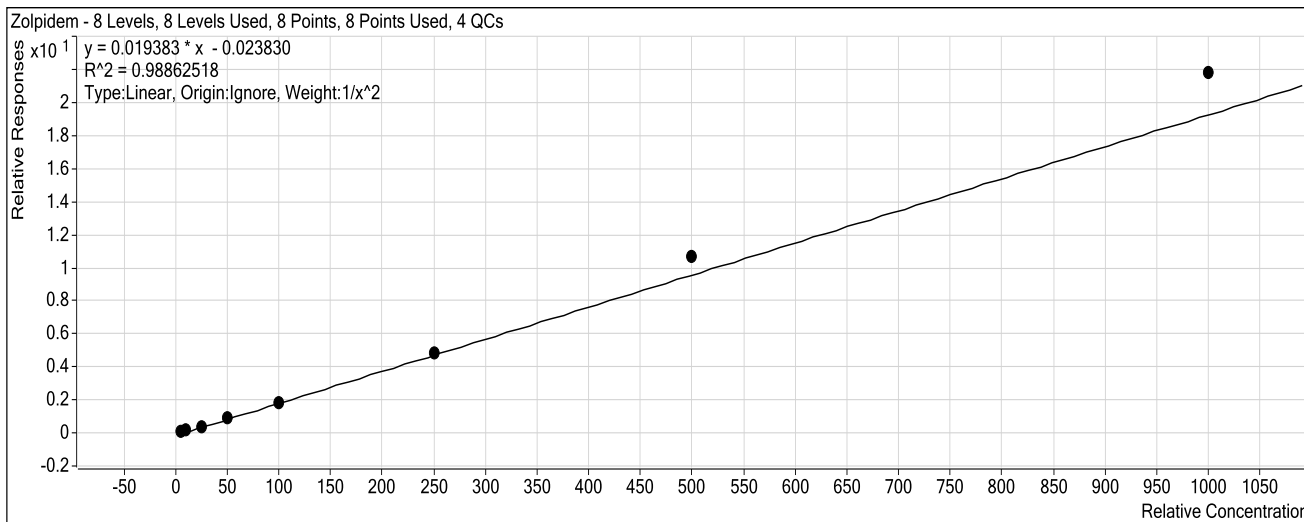
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.3	106.2
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.3	92.9
a QC 10 ( QC1).d	2	<input checked="" type="checkbox"/>	10	8.5	84.9
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	22.3	89.2
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	49.5	99.1
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	90.4	90.4
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	88.7	88.7
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	244.2	97.7
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	237.8	95.1
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	538.7	107.7
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1168.0	116.8
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1116.4	111.6

# ISP Forensics Calibration Curve Report

CS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P1a 110218 CS.batch.bin  
**Last Calib Update** 11/9/2018 12:21 PM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.4	107.5
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.1	91.0
a QC 10 ( QC1).d	2	<input checked="" type="checkbox"/>	10	9.9	98.5
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	22.1	88.6
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	47.1	94.2
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	94.5	94.5
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	97.5	97.5
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	252.6	101.0
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	255.1	102.1
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	552.4	110.5
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1127.8	112.8
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1116.5	111.7

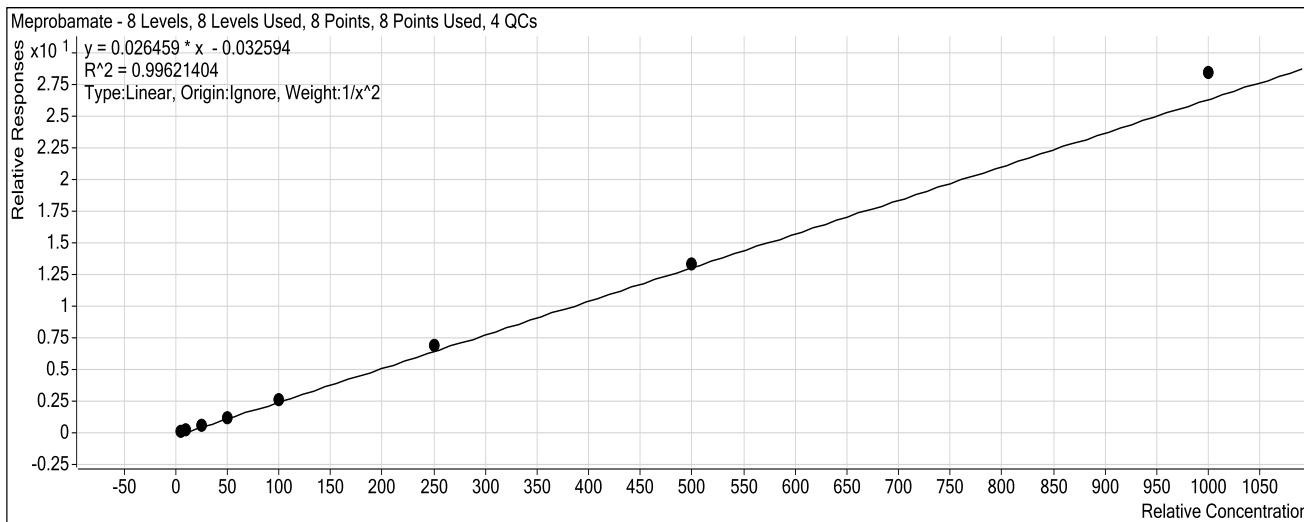


# ISP Forensics Calibration Curve Report

CS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P1a 110218 CS.batch.bin  
**Last Calib Update** 11/9/2018 12:21 PM **Analyst Name** ISP TOX

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



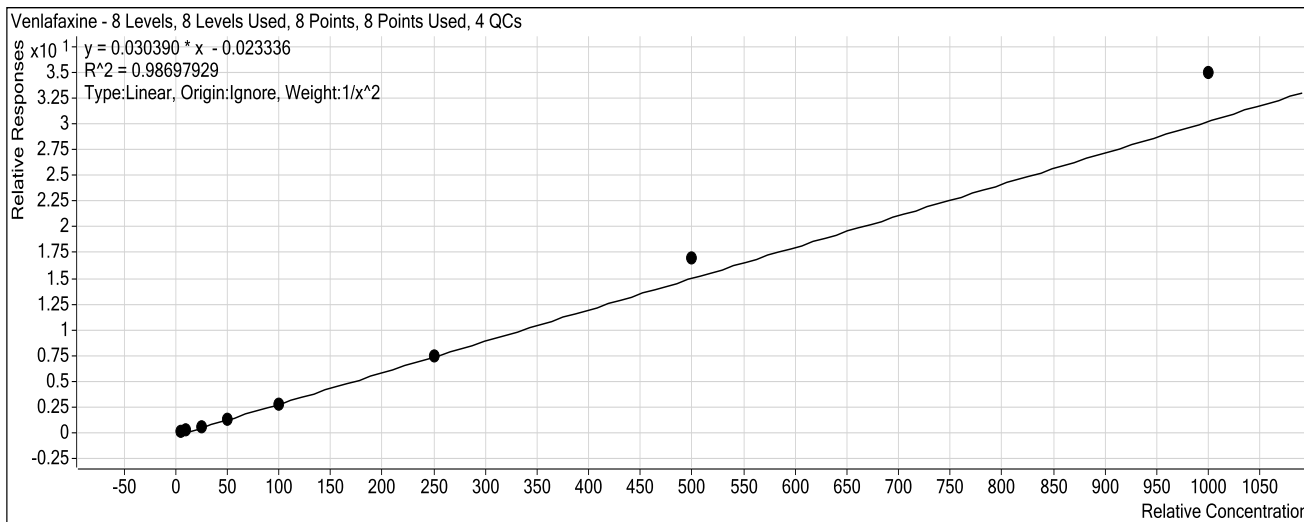
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.2	104.6
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.4	94.3
a QC 10 ( QC1).d	2	<input checked="" type="checkbox"/>	10	11.3	113.0
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.2	92.7
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	48.2	96.4
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	98.8	98.8
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	108.5	108.5
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	261.0	104.4
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	269.9	108.0
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	505.8	101.2
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1076.6	107.7
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1133.0	113.3

# ISP Forensics Calibration Curve Report

CS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P1a 110218 CS.batch.bin  
**Last Calib Update** 11/9/2018 12:21 PM **Analyst Name** ISP TOX

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



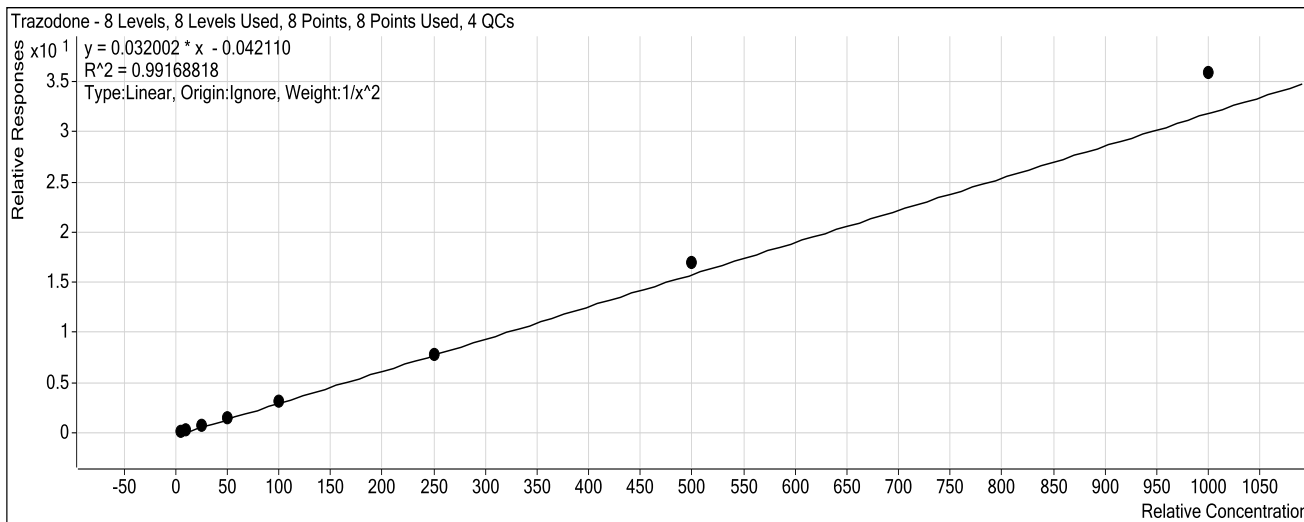
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.3	106.0
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.5	94.9
a QC 10 ( QC1).d	2	<input checked="" type="checkbox"/>	10	9.8	98.0
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	21.9	87.4
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	46.5	93.1
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	92.4	92.4
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	94.2	94.2
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	248.3	99.3
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	257.0	102.8
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	558.6	111.7
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1152.1	115.2
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1122.0	112.2

# ISP Forensics Calibration Curve Report

CS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P1a 110218 CS.batch.bin  
**Last Calib Update** 11/9/2018 12:21 PM **Analyst Name** ISP TOX

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



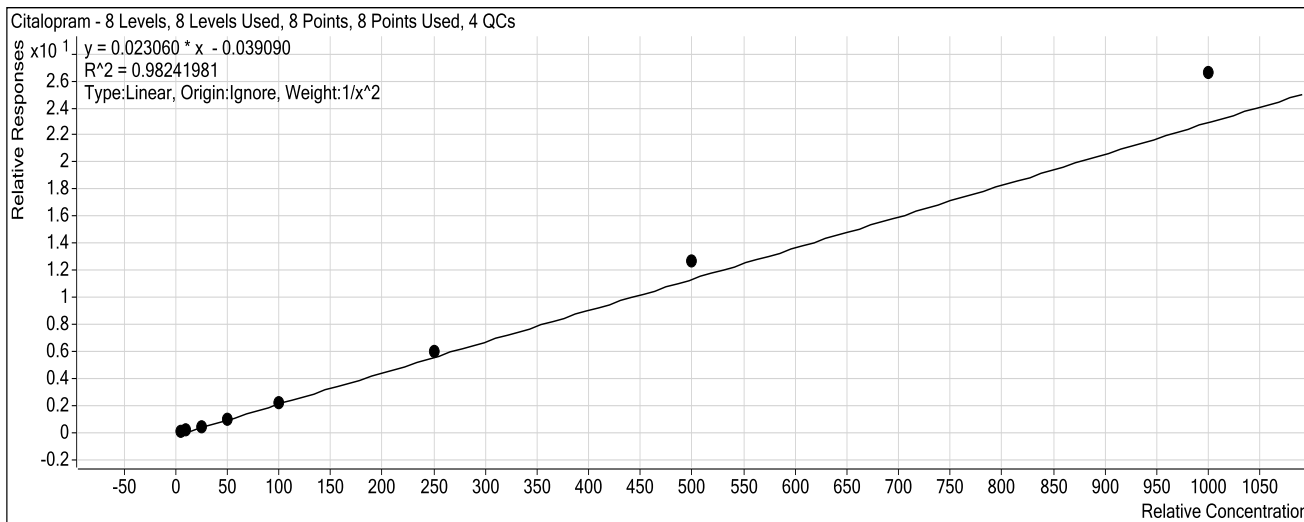
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.3	106.8
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.1	91.2
a QC 10 ( QC1).d	2	<input checked="" type="checkbox"/>	10	9.4	93.6
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	22.6	90.5
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	47.1	94.3
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	99.3	99.3
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	89.2	89.2
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	247.4	99.0
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	245.6	98.2
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	532.2	106.4
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1124.2	112.4
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1095.3	109.5

# ISP Forensics Calibration Curve Report

CJ

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P1a 110218 CS.batch.bin  
**Last Calib Update** 11/9/2018 12:21 PM **Analyst Name** ISP TOX

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



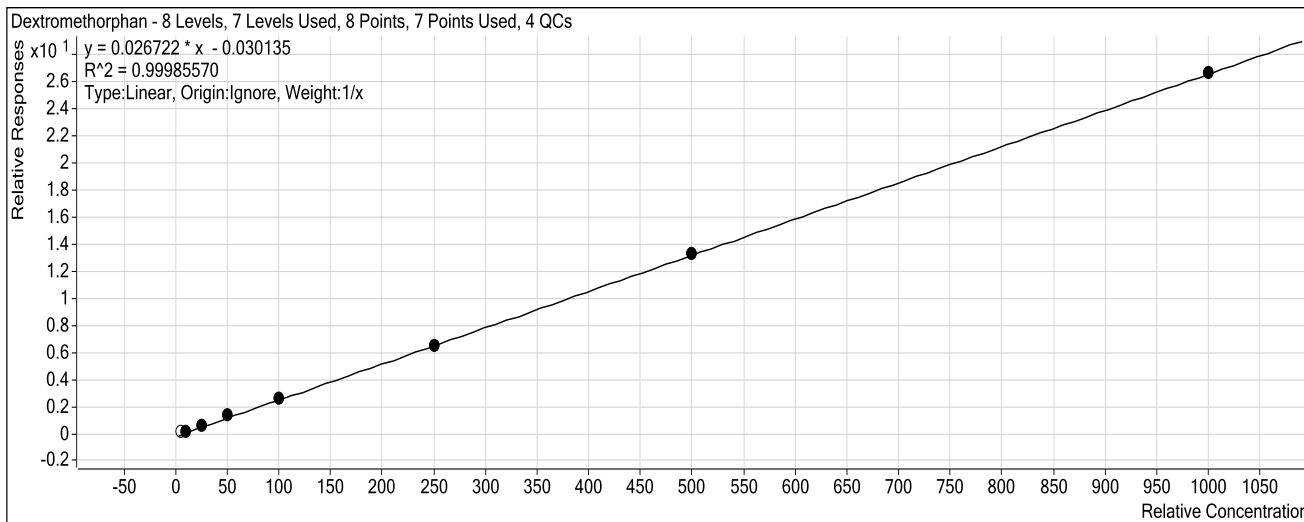
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.5	109.9
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	8.8	87.9
a QC 10 ( QC1).d	2	<input checked="" type="checkbox"/>	10	9.2	91.8
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	21.3	85.2
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	45.2	90.5
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	95.9	95.9
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	89.3	89.3
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	262.3	104.9
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	244.8	97.9
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	550.3	110.1
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1156.8	115.7
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1091.7	109.2

# ISP Forensics Calibration Curve Report

CJ

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P1a 110218 CS.batch.bin  
**Last Calib Update** 11/9/2018 12:21 PM **Analyst Name** ISP TOX

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



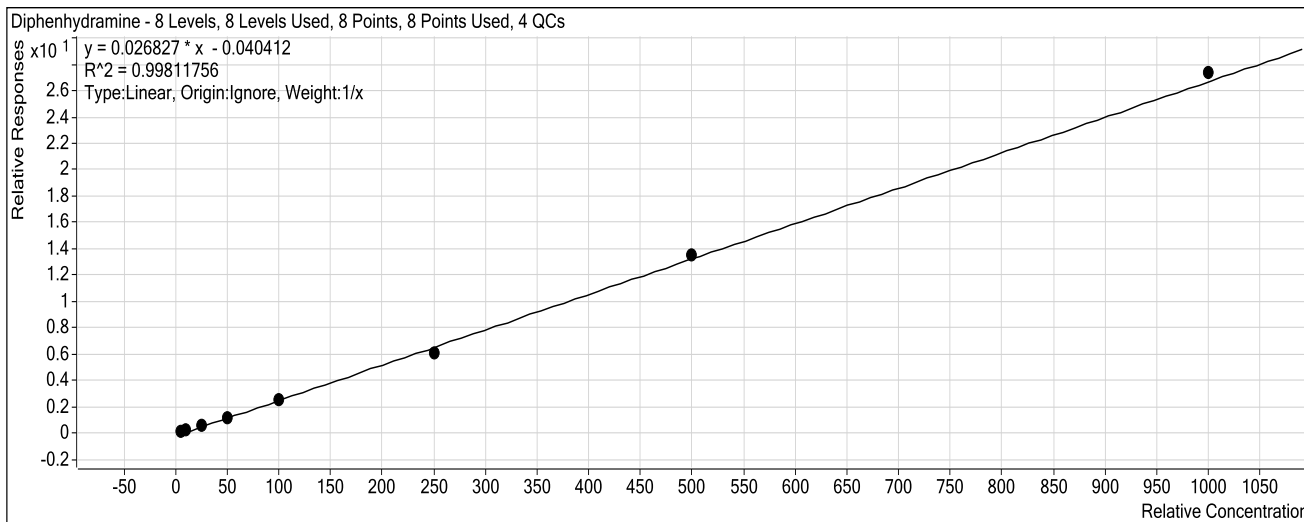
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input type="checkbox"/>	5	6.8	137.0
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.6	95.8
a QC 10 ( QC1).d	2	<input checked="" type="checkbox"/>	10	10.5	105.1
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	24.7	98.8
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	52.8	105.6
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	101.1	101.1
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	99.9	99.9
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	246.7	98.7
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	276.4	110.6
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	499.1	99.8
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1001.0	100.1
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1025.8	102.6

# ISP Forensics Calibration Curve Report

Cg

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P1a 110218 CS.batch.bin  
**Last Calib Update** 11/9/2018 12:21 PM **Analyst Name** ISP TOX

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



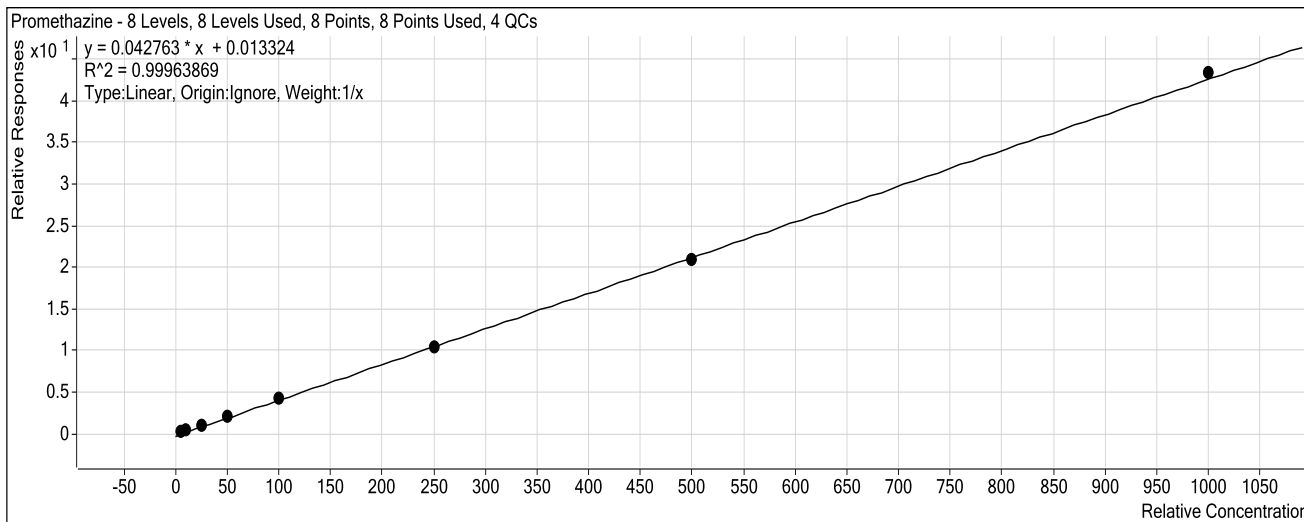
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	6.0	119.3
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	10.3	102.9
a QC 10 ( QC1).d	2	<input checked="" type="checkbox"/>	10	10.6	105.9
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.6	94.4
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	46.6	93.3
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	95.2	95.2
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	97.5	97.5
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	227.8	91.1
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	268.8	107.5
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	507.5	101.5
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1022.9	102.3
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1097.0	109.7

# ISP Forensics Calibration Curve Report

CS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P1a 110218 CS.batch.bin  
**Last Calib Update** 11/9/2018 12:21 PM **Analyst Name** ISP TOX

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



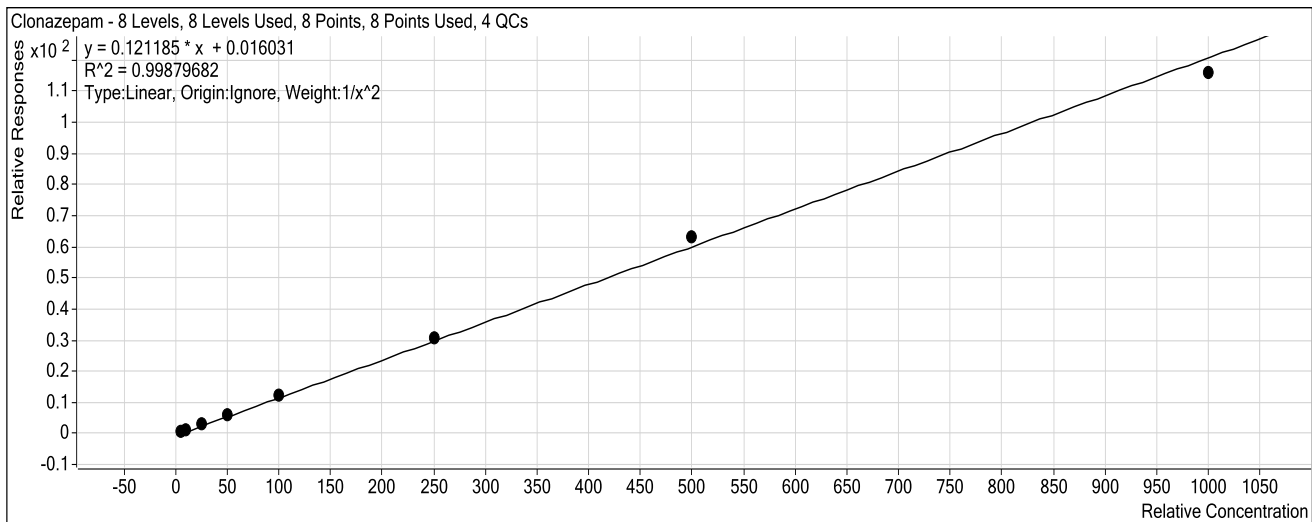
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.6	111.3
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.6	95.9
a QC 10 ( QC1).d	2	<input checked="" type="checkbox"/>	10	9.5	95.5
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	24.2	96.7
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	48.8	97.6
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	100.7	100.7
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	108.7	108.7
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	245.1	98.1
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	281.8	112.7
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	490.7	98.1
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1015.3	101.5
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1138.9	113.9

# ISP Forensics Calibration Curve Report

CS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P1a 110218 CS.batch.bin  
**Last Calib Update** 11/9/2018 12:21 PM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.0	99.8
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	10.0	99.7
a QC 10 ( QC1).d	2	<input checked="" type="checkbox"/>	10	8.6	86.2
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	25.8	103.4
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	48.1	96.2
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	99.7	99.7
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	121.2	121.2
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	252.8	101.1
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	296.3	118.5
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	521.6	104.3
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	957.9	95.8
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1140.4	114.0

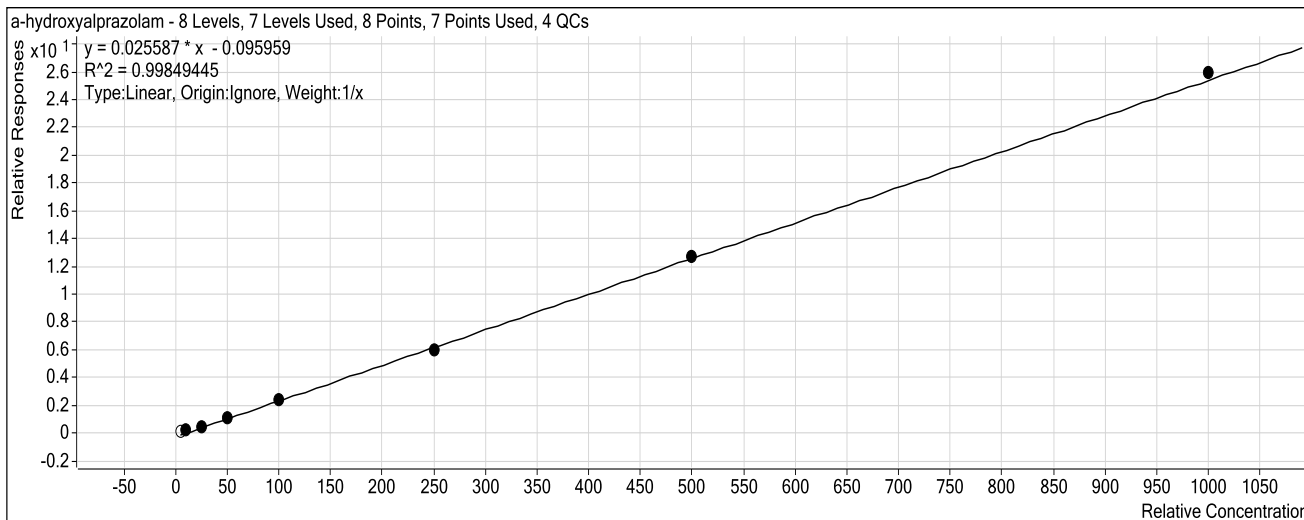


# ISP Forensics Calibration Curve Report

CS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P1a 110218 CS.batch.bin  
**Last Calib Update** 11/9/2018 12:21 PM **Analyst Name** ISP TOX

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



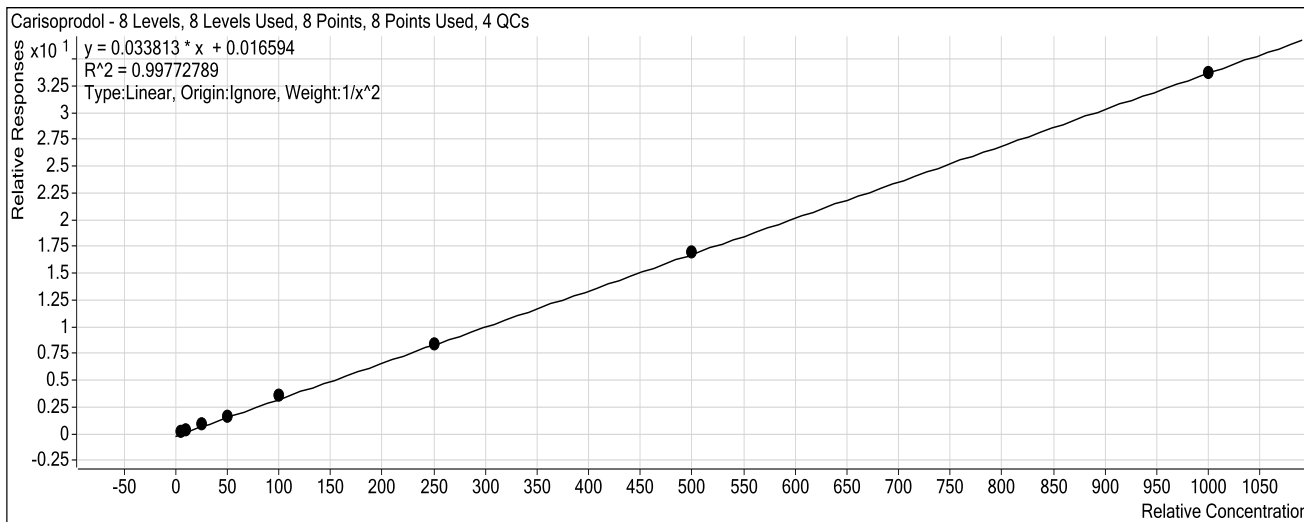
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input type="checkbox"/>	5	7.9	157.6
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	12.7	126.7
a QC 10 ( QC1).d	2	<input checked="" type="checkbox"/>	10	12.9	128.8
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	20.9	83.7
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	47.6	95.2
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	97.4	97.4
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	107.7	107.7
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	237.7	95.1
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	255.2	102.1
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	500.1	100.0
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1018.5	101.9
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1025.8	102.6

# ISP Forensics Calibration Curve Report

CJ

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P1a 110218 CS.batch.bin  
**Last Calib Update** 11/9/2018 12:21 PM **Analyst Name** ISP TOX

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



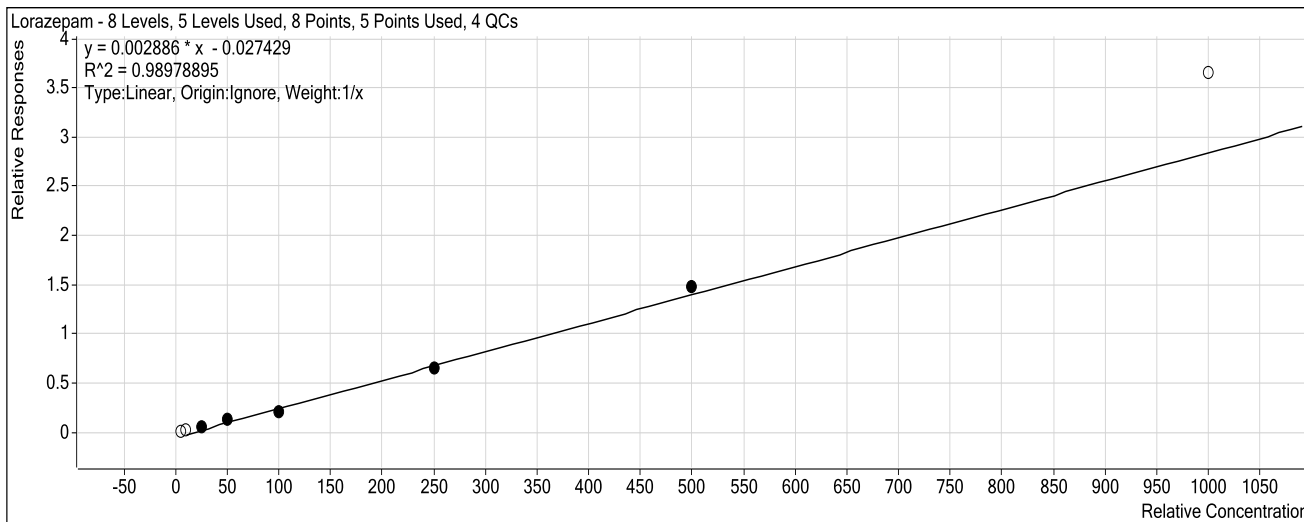
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.2	103.4
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.2	92.0
a QC 10 ( QC1).d	2	<input checked="" type="checkbox"/>	10	10.6	105.9
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	25.7	102.9
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	49.0	98.1
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	105.4	105.4
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	116.1	116.1
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	245.5	98.2
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	289.8	115.9
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	500.5	100.1
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	998.6	99.9
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1187.3	118.7

# ISP Forensics Calibration Curve Report

CS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P1a 110218 CS.batch.bin  
**Last Calib Update** 11/9/2018 12:21 PM **Analyst Name** ISP TOX

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



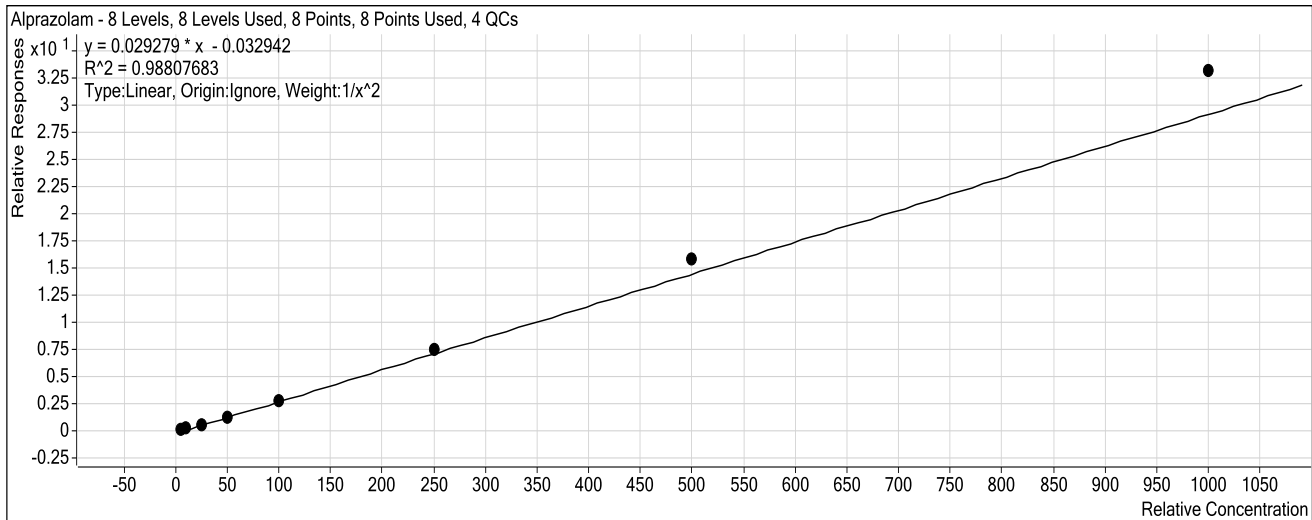
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input type="checkbox"/>	5	11.8	236.9
a cal 2-10ng.d	2	<input type="checkbox"/>	10	16.7	166.8
a QC 10 ( QC1).d	2	<input checked="" type="checkbox"/>	10	16.6	166.4
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	26.0	104.1
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	57.2	114.3
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	82.9	82.9
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	66.4	66.4
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	234.5	93.8
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	210.5	84.2
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	524.4	104.9
a cal 8-1000ng.d	8	<input type="checkbox"/>	1000	1277.3	127.7
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1146.6	114.7

# ISP Forensics Calibration Curve Report

cg

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P1a 110218 CS.batch.bin  
**Last Calib Update** 11/9/2018 12:21 PM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.4	108.6
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	8.9	88.5
a QC 10 ( QC1).d	2	<input checked="" type="checkbox"/>	10	9.4	94.3
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	22.2	89.0
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	46.3	92.7
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	97.2	97.2
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	92.5	92.5
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	256.7	102.7
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	239.3	95.7
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	539.6	107.9
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1133.6	113.4
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1061.7	106.2

# ISP FORENSICS - Pocatello Instrument # 59740

## Multi-Drug Confirmatory Analysis Report

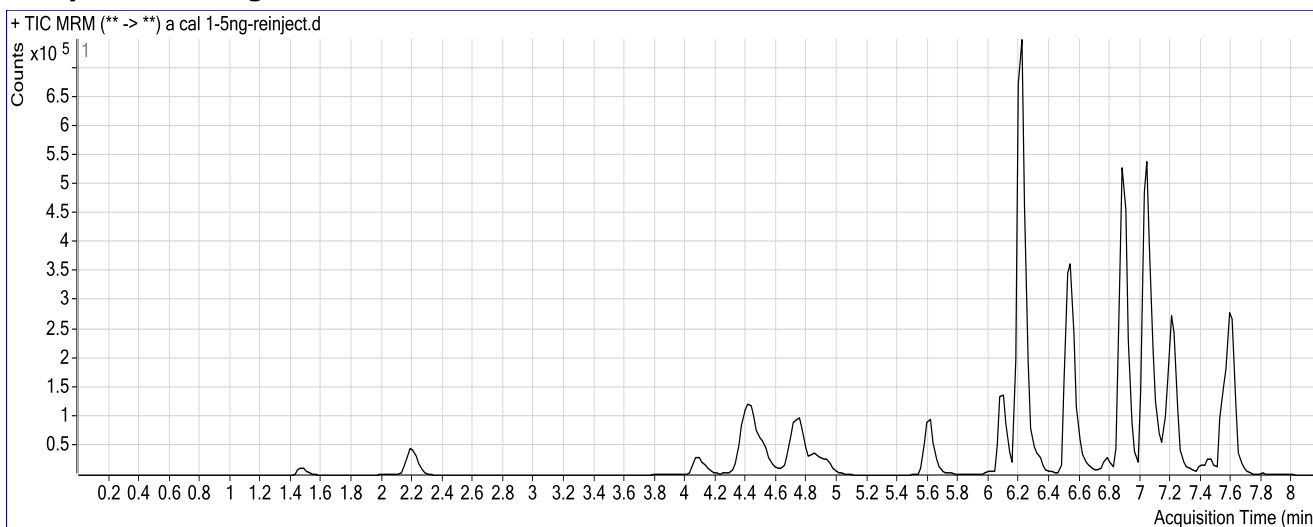
**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P1a 110218 CS.batch.bin  
**Analysis Time** 11/16/2018 12:08 PM **Analyst Name** ISPUser  
**Report Time** 11/16/2018 1:01 PM **Reporter Name** ISPUser  
**Last Calib Update** 11/16/2018 12:08 PM **Batch State** Processed

Sample failed to inject (little or no ISTD and no compounds showed up) and was reinjected shortly after the original injection.

### Analysis Info

**Acq Time** 2018-11-03 13:17 **Data File** a cal 1-5ng-reinject.d  
**Sample Type** Calibration **Sample Name** a cal 1-5ng.d  
**Dilution** 1 **Acq Method** MD Quant Panel 1a 7-11-18.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	1.488	7531	27235	0.2765	5.4426
Hydromorphone	Hydromorphone-D6	2.229	24143	184195	0.1311	5.2796
Codeine	Codeine-D6	4.133	9480	90159	0.1051	5.1786
Oxycodone	Oxycodone-D6	4.470	68068	456655	0.1491	5.2418
Amphetamine	Amphetamine-D11	4.523	138745	366026	0.3791	5.4663
Hydrocodone	Hydrocodone-D6	4.755	25099	335326	0.0749	5.8084
Norhydrocodone	Norhydrocodone-D3	4.798	7106	129515	0.0549	9.3682
Methamphetamine	Methamphetamine-D11	4.861	123391	160325	0.7696	4.8994
6-MAM	6-MAM-D6	4.949	506	65128	0.0078	0.7229
Phentermine	Phentermine-D5	5.646	31896	396727	0.0804	6.3348
Dextrophan	Dextrophan-D3	6.102	28993	482604	0.0601	5.1915
7-aminoclonazepam	7-Aminoclonazepam-D4	6.216	44780	406989	0.1100	5.3749
Tramadol	Tramadol-13C-D3	6.224	201450	2287346	0.0881	5.2692
Metoprolol	Tramadol-13C-D3	6.342	23988	2287346	0.0105	4.8176
Doxylamine	Doxylamine-D5	6.563	64217	1454479	0.0442	5.2329
Bupropion	Bupropion-D9	6.812	9239	74334	0.1243	5.3092
Zolpidem	Zolpidem-D6	6.902	131415	1635942	0.0803	5.3738
Meprobamate	Meprobamate-D7	6.914	22834	215893	0.1058	5.2293
Venlafaxine	Venlafaxine-D6	7.046	234647	1704008	0.1377	5.2990
Trazodone	Trazodone-D6	7.117	44190	343251	0.1287	5.3387

# ISP FORENSICS - Pocatello Instrument # 59740

## Multi-Drug Confirmatory Analysis Report Cal 1- 5ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.179	23124	263913	0.0876	5.4948
Dextromethorphan	Dextromethorphan-D3	7.211	6668	43615	0.1529	6.8486
Diphenhydramine	Diphenhydramine-D3	7.234	77359	646958	0.1196	5.9637
Promethazine	Promethazine-D3	7.430	8136	32568	0.2498	5.4455
Clonazepam	Clonazepam-D4	7.445	18072	29109	0.6208	4.9908
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.521	6778	64162	0.1056	7.8791
Carisoprodol	Carisoprodol-D7	7.555	55107	288000	0.1913	5.1680
Lorazepam	Alprazolam-D5	7.584	5024	743837	0.0068	11.8457
Alprazolam	Alprazolam-D5	7.608	93762	743837	0.1261	5.4303

9

# ISP FORENSICS - Pocatello Instrument # 59740

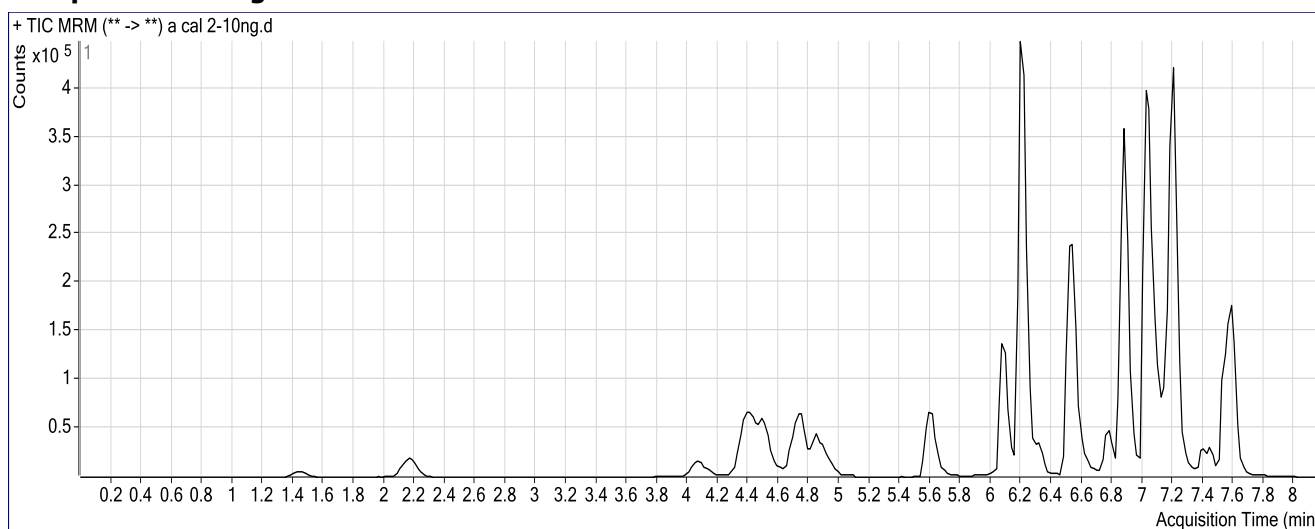
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P1a 110218 CS.batch.bin		
<b>Analysis Time</b>	11/16/2018 12:08 PM	<b>Analyst Name</b>	ISPUser
<b>Report Time</b>	11/16/2018 1:00 PM	<b>Reporter Name</b>	ISPUser
<b>Last Calib Update</b>	11/16/2018 12:08 PM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2018-11-02 18:55	<b>Data File</b>	a cal 2-10ng.d
<b>Sample Type</b>	Calibration	<b>Sample Name</b>	a cal 2-10ng.d
<b>Dilution</b>	1	<b>Acq Method</b>	MD Quant Panel 1a 7-11-18.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	1.448	6872	14297	0.4807	8.9443
Hydromorphone	Hydromorphone-D6	2.189	22069	83241	0.2651	9.5525
Codeine	Codeine-D6	4.113	9587	46291	0.2071	9.8707
Oxycodone	Oxycodone-D6	4.470	62460	213944	0.2919	9.4913
Amphetamine	Amphetamine-D11	4.523	168380	249584	0.6746	9.7449
Hydrocodone	Hydrocodone-D6	4.755	28372	180331	0.1573	10.0706
Norhydrocodone	Norhydrocodone-D3	4.798	6140	68072	0.0902	12.8753
Methamphetamine	Methamphetamine-D11	4.861	152992	132776	1.1523	9.7724
6-MAM	6-MAM-D6	4.929	626	33565	0.0186	1.1109
Phentermine	Phentermine-D5	5.646	46039	286433	0.1607	11.7825
Dextropropion	Dextropropion-D3	6.084	48604	417444	0.1164	9.3900
7-aminoclonazepam	7-Aminoclonazepam-D4	6.216	44604	208348	0.2141	9.5739
Tramadol	Tramadol-13C-D3	6.224	215955	1282651	0.1684	9.3076
Metoprolol	Tramadol-13C-D3	6.322	32844	1282651	0.0256	10.5085
Doxylamine	Doxylamine-D5	6.543	81058	862356	0.0940	9.5511
Bupropion	Bupropion-D9	6.792	31047	132151	0.2349	9.2850
Zolpidem	Zolpidem-D6	6.902	149129	978051	0.1525	9.0959
Meprobamate	Meprobamate-D7	6.914	23855	109947	0.2170	9.4319
Venlafaxine	Venlafaxine-D6	7.026	288256	1088080	0.2649	9.4851
Trazodone	Trazodone-D6	7.117	90535	362360	0.2498	9.1230

**ISP FORENSICS - Pocatello Instrument # 59740**  
**Multi-Drug Confirmatory Analysis Report** Cal 2- 10ng

<b>Compound</b>	<b>ISTD Compound</b>	<b>RT</b>	<b>Response</b>	<b>ISTD Resp</b>	<b>Resp Ratio</b>	<b>Final Conc</b>
Citalopram	Citalopram-D6	7.159	61401	375275	0.1636	8.7904
Dextromethorphan	Dextromethorphan-D3	7.191	21661	95888	0.2259	9.5813
Diphenhydramine	Diphenhydramine-D3	7.214	202756	860211	0.2357	10.2926
Promethazine	Promethazine-D3	7.409	24059	56560	0.4254	9.6413
Clonazepam	Clonazepam-D4	7.445	26833	21912	1.2246	9.9729
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.521	8497	37242	0.2282	12.6673
Carisoprodol	Carisoprodol-D7	7.555	65385	199498	0.3278	9.2022
Lorazepam	Alprazolam-D5	7.564	8059	389102	0.0207	16.6821
Alprazolam	Alprazolam-D5	7.588	88047	389102	0.2263	8.8537



# ISP FORENSICS - Pocatello Instrument # 59740

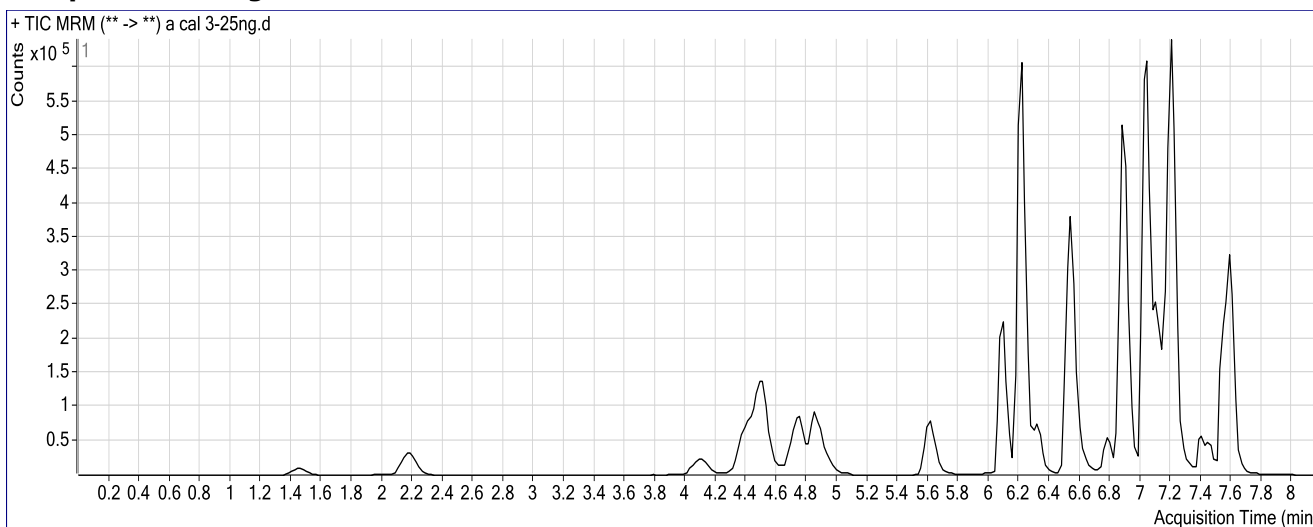
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P1a 110218 CS.batch.bin		
<b>Analysis Time</b>	11/16/2018 12:08 PM	<b>Analyst Name</b>	ISPUser
<b>Report Time</b>	11/16/2018 1:00 PM	<b>Reporter Name</b>	ISPUser
<b>Last Calib Update</b>	11/16/2018 12:08 PM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2018-11-02 19:27	<b>Data File</b>	a cal 3-25ng.d
<b>Sample Type</b>	Calibration	<b>Sample Name</b>	a cal 3-25ng.d
<b>Dilution</b>	1	<b>Acq Method</b>	MD Quant Panel 1a 7-11-18.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	1.468	18819	15203	1.2378	21.9310
Hydromorphone	Hydromorphone-D6	2.189	62579	95562	0.6549	21.9761
Codeine	Codeine-D6	4.113	25135	51628	0.4869	22.7462
Oxycodone	Oxycodone-D6	4.470	195331	265240	0.7364	22.7101
Amphetamine	Amphetamine-D11	4.523	402078	230645	1.7433	25.2132
Hydrocodone	Hydrocodone-D6	4.755	81348	204885	0.3970	22.4571
Norhydrocodone	Norhydrocodone-D3	4.778	15553	73455	0.2117	24.9363
Methamphetamine	Methamphetamine-D11	4.861	322037	123933	2.5985	28.1904
6-MAM	6-MAM-D6	4.949	2367	38967	0.0608	2.6139
Phentermine	Phentermine-D5	5.646	104576	292955	0.3570	25.0904
Dextrophan	Dextrophan-D3	6.102	148612	479781	0.3098	23.7922
7-aminoclonazepam	7-Aminoclonazepam-D4	6.216	130276	237365	0.5488	23.0827
Tramadol	Tramadol-13C-D3	6.224	608087	1346753	0.4515	23.5488
Metoprolol	Tramadol-13C-D3	6.322	89587	1346753	0.0665	25.9092
Doxylamine	Doxylamine-D5	6.563	237368	974910	0.2435	22.5012
Bupropion	Bupropion-D9	6.812	55436	92804	0.5973	22.3071
Zolpidem	Zolpidem-D6	6.902	487882	1203779	0.4053	22.1390
Meprobamate	Meprobamate-D7	6.914	62042	106890	0.5804	23.1687
Venlafaxine	Venlafaxine-D6	7.046	797766	1244648	0.6410	21.8586
Trazodone	Trazodone-D6	7.117	293926	430762	0.6823	22.6373

CS

**ISP FORENSICS - Pocatello Instrument # 59740**  
**Multi-Drug Confirmatory Analysis Report** Cal 3- 25ng

<b>Compound</b>	<b>ISTD Compound</b>	<b>RT</b>	<b>Response</b>	<b>ISTD Resp</b>	<b>Resp Ratio</b>	<b>Final Conc</b>
Citalopram	Citalopram-D6	7.179	202350	447828	0.4518	21.2897
Dextromethorphan	Dextromethorphan-D3	7.191	64932	103038	0.6302	24.7104
Diphenhydramine	Diphenhydramine-D3	7.214	562966	949866	0.5927	23.5993
Promethazine	Promethazine-D3	7.409	81748	76635	1.0667	24.9703
Clonazepam	Clonazepam-D4	7.465	72537	23047	3.1474	25.8394
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.521	19980	45441	0.4397	20.9342
Carisoprodol	Carisoprodol-D7	7.555	188018	212057	0.8866	25.7309
Lorazepam	Alprazolam-D5	7.584	22580	473486	0.0477	26.0306
Alprazolam	Alprazolam-D5	7.608	292753	473486	0.6183	22.2425

# ISP FORENSICS - Pocatello Instrument # 59740

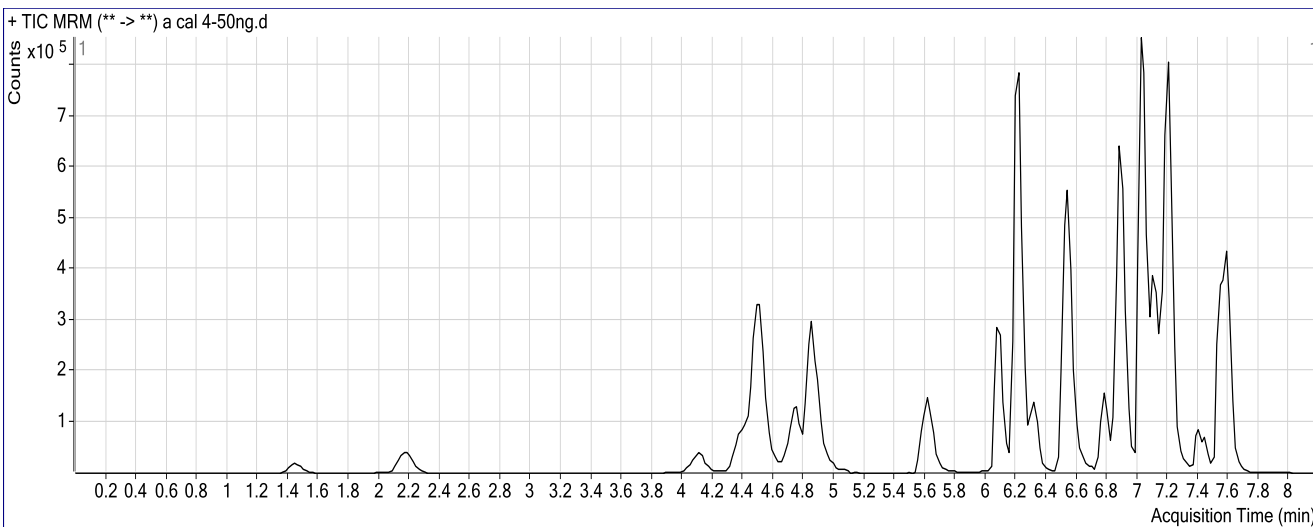
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P1a 110218 CS.batch.bin		
<b>Analysis Time</b>	11/16/2018 12:08 PM	<b>Analyst Name</b>	ISPUser
<b>Report Time</b>	11/16/2018 1:00 PM	<b>Reporter Name</b>	ISPUser
<b>Last Calib Update</b>	11/16/2018 12:08 PM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2018-11-02 19:58	<b>Data File</b>	a cal 4-50ng.d
<b>Sample Type</b>	Calibration	<b>Sample Name</b>	a cal 4-50ng.d
<b>Dilution</b>	1	<b>Acq Method</b>	MD Quant Panel 1a 7-11-18.m
<b>Position</b>	P1-D1	<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	1.468	39060	15896	2.4572	42.8467
Hydromorphone	Hydromorphone-D6	2.189	102313	75329	1.3582	44.3963
Codeine	Codeine-D6	4.133	47072	48763	0.9653	44.7665
Oxycodone	Oxycodone-D6	4.470	361862	228602	1.5829	47.8848
Amphetamine	Amphetamine-D11	4.523	1072109	290787	3.6869	53.3471
Hydrocodone	Hydrocodone-D6	4.735	157508	178329	0.8832	47.5808
Norhydrocodone	Norhydrocodone-D3	4.778	28238	58577	0.4821	51.7624
Methamphetamine	Methamphetamine-D11	4.861	1016937	222533	4.5698	53.2963
6-MAM	6-MAM-D6	4.949	3837	33931	0.1131	4.4813
Phentermine	Phentermine-D5	5.646	314143	438753	0.7160	49.4371
Dextrophan	Dextrophan-D3	6.084	274817	408319	0.6730	50.8575
7-aminoclonazepam	7-Aminoclonazepam-D4	6.216	254136	214956	1.1823	48.6437
Tramadol	Tramadol-13C-D3	6.224	1238208	1360879	0.9099	46.6007
Metoprolol	Tramadol-13C-D3	6.322	182193	1360879	0.1339	51.2632
Doxylamine	Doxylamine-D5	6.543	517875	975592	0.5308	47.3957
Bupropion	Bupropion-D9	6.792	230206	169855	1.3553	49.5427
Zolpidem	Zolpidem-D6	6.902	916957	1031595	0.8889	47.0877
Meprobamate	Meprobamate-D7	6.914	128079	103033	1.2431	48.2133
Venlafaxine	Venlafaxine-D6	7.026	1594732	1146329	1.3912	46.5443
Trazodone	Trazodone-D6	7.117	536001	365476	1.4666	47.1431

CS

# ISP FORENSICS - Pocatello Instrument # 59740

## Multi-Drug Confirmatory Analysis Report Cal 4- 50ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.159	351811	350407	1.0040	45.2344
Dextromethorphan	Dextromethorphan-D3	7.191	120024	86886	1.3814	52.8224
Diphenhydramine	Diphenhydramine-D3	7.214	1002961	828599	1.2104	46.6269
Promethazine	Promethazine-D3	7.409	154002	73852	2.0853	49.3152
Clonazepam	Clonazepam-D4	7.445	93827	16051	5.8455	48.1038
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.521	41720	37187	1.1219	47.5960
Carisoprodol	Carisoprodol-D7	7.555	385261	230065	1.6746	49.0334
Lorazepam	Alprazolam-D5	7.564	51450	374181	0.1375	57.1540
Alprazolam	Alprazolam-D5	7.588	495429	374181	1.3240	46.3466

# ISP FORENSICS - Pocatello Instrument # 59740

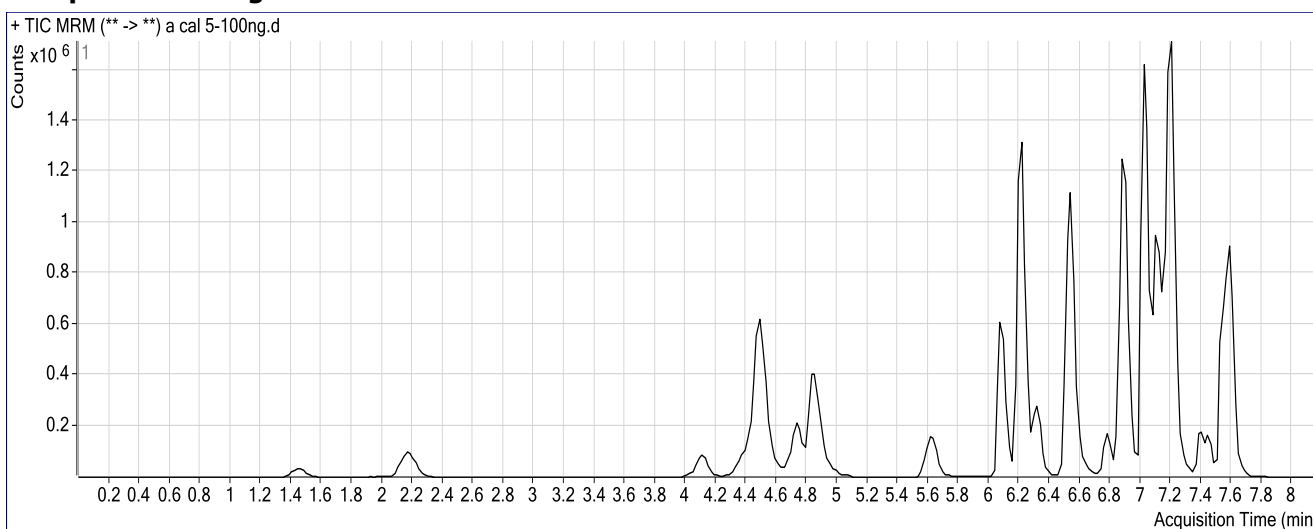
## Multi-Drug Confirmatory Analysis Report

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**Analysis Time** 11/16/2018 12:08 PM **Analyst Name** ISPUser  
**Report Time** 11/16/2018 1:01 PM **Reporter Name** ISPUser  
**Last Calib Update** 11/16/2018 12:08 PM **Batch State** Processed

### Analysis Info

**Acq Time** 2018-11-02 20:30 **Data File** a cal 5-100ng.d  
**Sample Type** Calibration **Sample Name** a cal 5-100ng.d  
**Dilution** 1 **Acq Method** MD Quant Panel 1a 7-11-18.m  
**Position** P1-E1 **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	1.448	85867	14658	5.8579	101.1755
Hydromorphone	Hydromorphone-D6	2.189	292881	95224	3.0757	99.1445
Codeine	Codeine-D6	4.113	112958	56572	1.9967	92.2347
Oxycodone	Oxycodone-D6	4.470	968257	295370	3.2781	98.2990
Amphetamine	Amphetamine-D11	4.504	1813900	240239	7.5504	109.2704
Hydrocodone	Hydrocodone-D6	4.735	405246	213288	1.9000	100.1197
Norhydrocodone	Norhydrocodone-D3	4.778	63973	71615	0.8933	92.5739
Methamphetamine	Methamphetamine-D11	4.861	1473103	176189	8.3609	101.5773
6-MAM	6-MAM-D6	4.949	10786	38746	0.2784	10.3814
Phentermine	Phentermine-D5	5.646	498293	338510	1.4720	100.7067
Dextroprophan	Dextroprophan-D3	6.084	684201	517111	1.3231	99.2881
7-aminoclonazepam	7-Aminoclonazepam-D4	6.216	579367	230907	2.5091	102.1861
Tramadol	Tramadol-13C-D3	6.224	2684799	1423056	1.8866	95.7277
Metoprolol	Tramadol-13C-D3	6.322	393973	1423056	0.2768	105.0789
Doxylamine	Doxylamine-D5	6.543	1226929	1100180	1.1152	98.0221
Bupropion	Bupropion-D9	6.792	265334	106419	2.4933	90.4339
Zolpidem	Zolpidem-D6	6.902	2348458	1298598	1.8085	94.5303
Meprobamate	Meprobamate-D7	6.914	239024	92593	2.5814	98.7953
Venlafaxine	Venlafaxine-D6	7.026	3617878	1299640	2.7838	92.3676
Trazodone	Trazodone-D6	7.117	1493574	476111	3.1370	99.3405

CS

**ISP FORENSICS - Pocatello Instrument # 59740**  
**Multi-Drug Confirmatory Analysis Report** Cal 5- 100ng

<b>Compound</b>	<b>ISTD Compound</b>	<b>RT</b>	<b>Response</b>	<b>ISTD Resp</b>	<b>Resp Ratio</b>	<b>Final Conc</b>
Citalopram	Citalopram-D6	7.159	1024834	471785	2.1722	95.8959
Dextromethorphan	Dextromethorphan-D3	7.191	368187	137808	2.6717	101.1102
Diphenhydramine	Diphenhydramine-D3	7.214	2598657	1033644	2.5141	95.2220
Promethazine	Promethazine-D3	7.409	372220	91143	4.0839	97.0842
Clonazepam	Clonazepam-D4	7.445	319932	26452	12.0948	99.6719
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.521	108325	45191	2.3970	97.4307
Carisoprodol	Carisoprodol-D7	7.555	769778	214900	3.5820	105.4446
Lorazepam	Alprazolam-D5	7.564	102229	482806	0.2117	82.8800
Alprazolam	Alprazolam-D5	7.588	1358796	482806	2.8144	97.2482

# ISP FORENSICS - Pocatello Instrument # 59740

## Multi-Drug Confirmatory Analysis Report

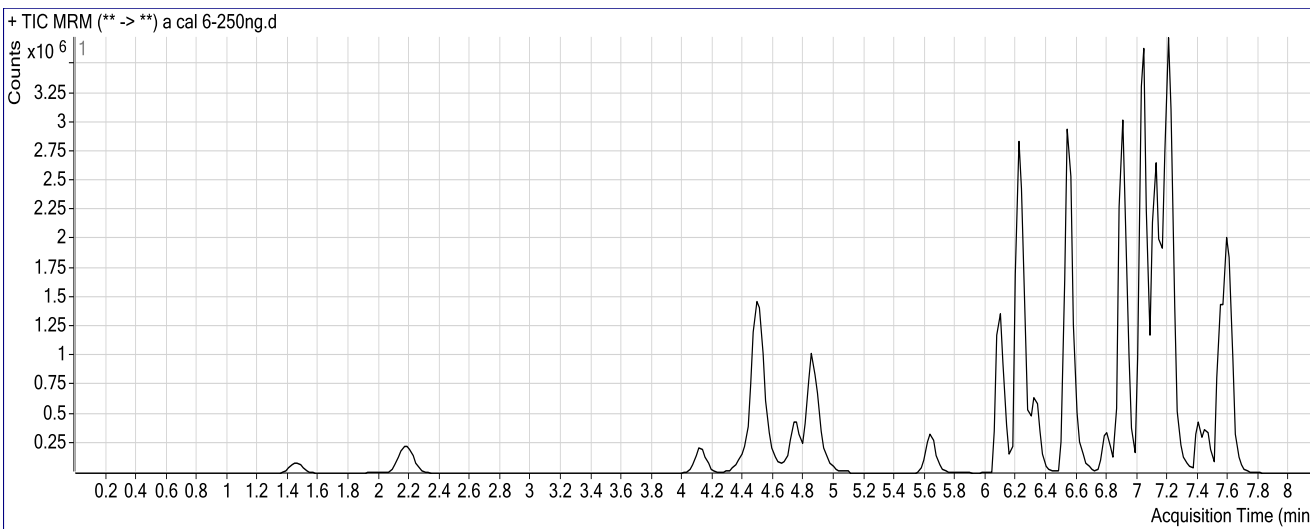
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<b>Batch Data Path</b>	C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P1a 110218 CS.batch.bin		
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<b>Report Time</b>	11/16/2018 1:01 PM	<b>Reporter Name</b>	ISPUser
<b>Last Calib Update</b>	11/16/2018 12:08 PM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2018-11-02 21:01	<b>Data File</b>	a cal 6-250ng.d
<b>Sample Type</b>	Calibration	<b>Sample Name</b>	a cal 6-250ng.d
<b>Dilution</b>	1	<b>Acq Method</b>	MD Quant Panel 1a 7-11-18.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	1.448	228222	14958	15.2577	262.4032
Hydromorphone	Hydromorphone-D6	2.189	786592	96449	8.1556	261.0720
Codeine	Codeine-D6	4.133	303281	50788	5.9715	275.1663
Oxycodone	Oxycodone-D6	4.470	2709508	312777	8.6627	258.4356
Amphetamine	Amphetamine-D11	4.523	4268659	236774	18.0284	260.9372
Hydrocodone	Hydrocodone-D6	4.735	1071162	229746	4.6624	242.8615
Norhydrocodone	Norhydrocodone-D3	4.798	149698	58866	2.5430	256.2891
Methamphetamine	Methamphetamine-D11	4.861	3540146	180896	19.5700	244.3294
6-MAM	6-MAM-D6	4.949	27510	41545	0.6622	24.0798
Phentermine	Phentermine-D5	5.646	1254897	341911	3.6702	249.7778
Dextrophan	Dextrophan-D3	6.102	1769897	527306	3.3565	250.7731
7-aminoclonazepam	7-Aminoclonazepam-D4	6.216	1417038	221157	6.4074	259.4971
Tramadol	Tramadol-13C-D3	6.224	7185466	1445500	4.9709	250.8503
Metoprolol	Tramadol-13C-D3	6.322	955754	1445500	0.6612	249.7490
Doxylamine	Doxylamine-D5	6.543	3481568	1170810	2.9736	259.0245
Bupropion	Bupropion-D9	6.812	645643	95334	6.7724	244.1937
Zolpidem	Zolpidem-D6	6.902	6726406	1380489	4.8725	252.6077
Meprobamate	Meprobamate-D7	6.914	595009	86580	6.8723	260.9667
Venlafaxine	Venlafaxine-D6	7.046	9929178	1319710	7.5238	248.3380
Trazodone	Trazodone-D6	7.117	4054384	514819	7.8754	247.4022

CS

# ISP FORENSICS - Pocatello Instrument # 59740

## Multi-Drug Confirmatory Analysis Report Cal 6- 250 ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.179	2601425	432812	6.0105	262.3445
Dextromethorphan	Dextromethorphan-D3	7.191	892339	135992	6.5617	246.6818
Diphenhydramine	Diphenhydramine-D3	7.234	5986699	986124	6.0709	227.8089
Promethazine	Promethazine-D3	7.409	1008104	98312	10.2542	244.5607
Clonazepam	Clonazepam-D4	7.465	802177	26172	30.6496	252.7836
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.521	286713	47892	5.9866	237.7186
Carisoprodol	Carisoprodol-D7	7.555	1817335	218450	8.3192	245.5438
Lorazepam	Alprazolam-D5	7.584	299790	461704	0.6493	234.5140
Alprazolam	Alprazolam-D5	7.608	3454667	461704	7.4824	256.6827



# ISP FORENSICS - Pocatello Instrument # 59740

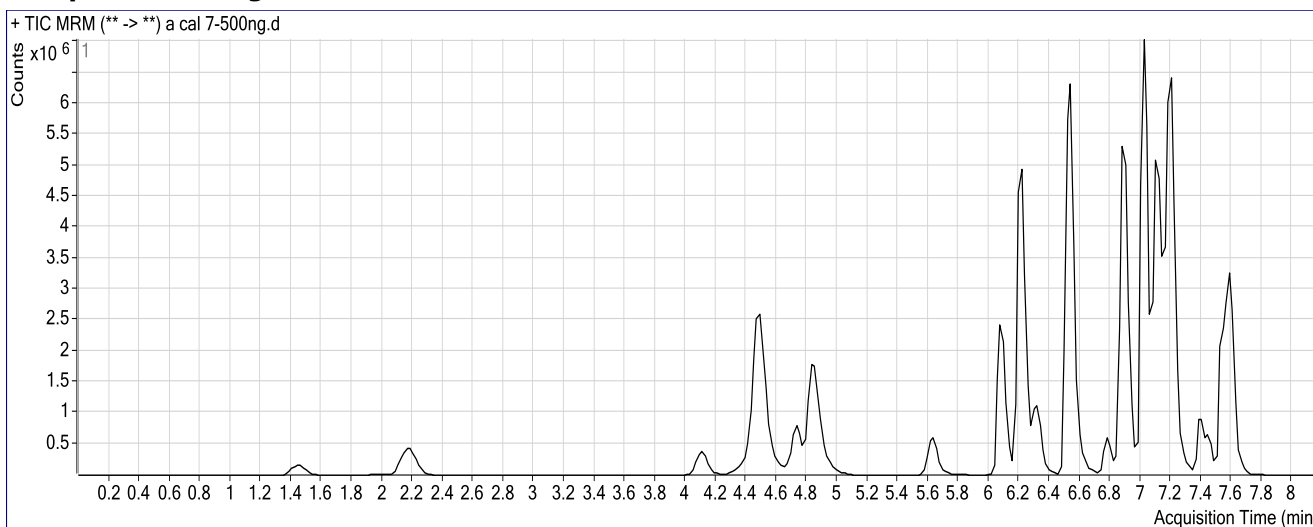
## Multi-Drug Confirmatory Analysis Report

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<b>Report Time</b>	11/16/2018 1:01 PM	<b>Reporter Name</b>	ISPUser
<b>Last Calib Update</b>	11/16/2018 12:08 PM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2018-11-02 21:33	<b>Data File</b>	a cal 7-500ng.d
<b>Sample Type</b>	Calibration	<b>Sample Name</b>	a cal 7-500ng.d
<b>Dilution</b>	1	<b>Acq Method</b>	MD Quant Panel 1a 7-11-18.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	1.448	448997	14176	31.6727	543.9561
Hydromorphone	Hydromorphone-D6	2.189	1509879	88202	17.1184	546.7755
Codeine	Codeine-D6	4.113	553284	47554	11.6350	535.8155
Oxycodone	Oxycodone-D6	4.450	5311774	295151	17.9968	536.0272
Amphetamine	Amphetamine-D11	4.504	7398522	224074	33.0182	477.9127
Hydrocodone	Hydrocodone-D6	4.735	2044351	213116	9.5927	497.6271
Norhydrocodone	Norhydrocodone-D3	4.798	264046	51645	5.1127	511.3043
Methamphetamine	Methamphetamine-D11	4.841	6599355	174603	37.7963	476.4482
6-MAM	6-MAM-D6	4.949	53803	40349	1.3334	48.0391
Phentermine	Phentermine-D5	5.646	2440926	327703	7.4486	506.0041
Dextroprphan	Dextroprphan-D3	6.084	3357855	487047	6.8943	514.3401
7-aminoclonazepam	7-Aminoclonazepam-D4	6.216	2300191	178839	12.8618	519.9557
Tramadol	Tramadol-13C-D3	6.224	14455206	1362877	10.6064	534.2840
Metoprolol	Tramadol-13C-D3	6.322	1579504	1362877	1.1589	437.1088
Doxylamine	Doxylamine-D5	6.543	7660604	1173357	6.5288	567.0198
Bupropion	Bupropion-D9	6.792	1087596	72660	14.9683	538.6949
Zolpidem	Zolpidem-D6	6.882	13432040	1257334	10.6830	552.3784
Meprobamate	Meprobamate-D7	6.914	1072680	80352	13.3497	505.7745
Venlafaxine	Venlafaxine-D6	7.026	20139359	1187881	16.9540	558.6415
Trazodone	Trazodone-D6	7.097	7955034	468225	16.9897	532.2054

CS

**ISP FORENSICS - Pocatello Instrument # 59740**  
**Multi-Drug Confirmatory Analysis Report** Cal 7- 500ng

<b>Compound</b>	<b>ISTD Compound</b>	<b>RT</b>	<b>Response</b>	<b>ISTD Resp</b>	<b>Resp Ratio</b>	<b>Final Conc</b>
Citalopram	Citalopram-D6	7.159	4836667	382330	12.6505	550.2909
Dextromethorphan	Dextromethorphan-D3	7.191	1679749	126237	13.3063	499.0782
Diphenhydramine	Diphenhydramine-D3	7.214	12112837	892276	13.5752	507.5412
Promethazine	Promethazine-D3	7.409	2277289	107973	21.0912	503.5787
Clonazepam	Clonazepam-D4	7.445	1406736	22249	63.2256	521.5953
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.521	548880	43214	12.7014	500.1446
Carisoprodol	Carisoprodol-D7	7.555	3006816	177481	16.9416	500.5446
Lorazepam	Alprazolam-D5	7.564	561991	378215	1.4859	524.4216
Alprazolam	Alprazolam-D5	7.588	5962667	378215	15.7653	539.5789

# ISP FORENSICS - Pocatello Instrument # 59740

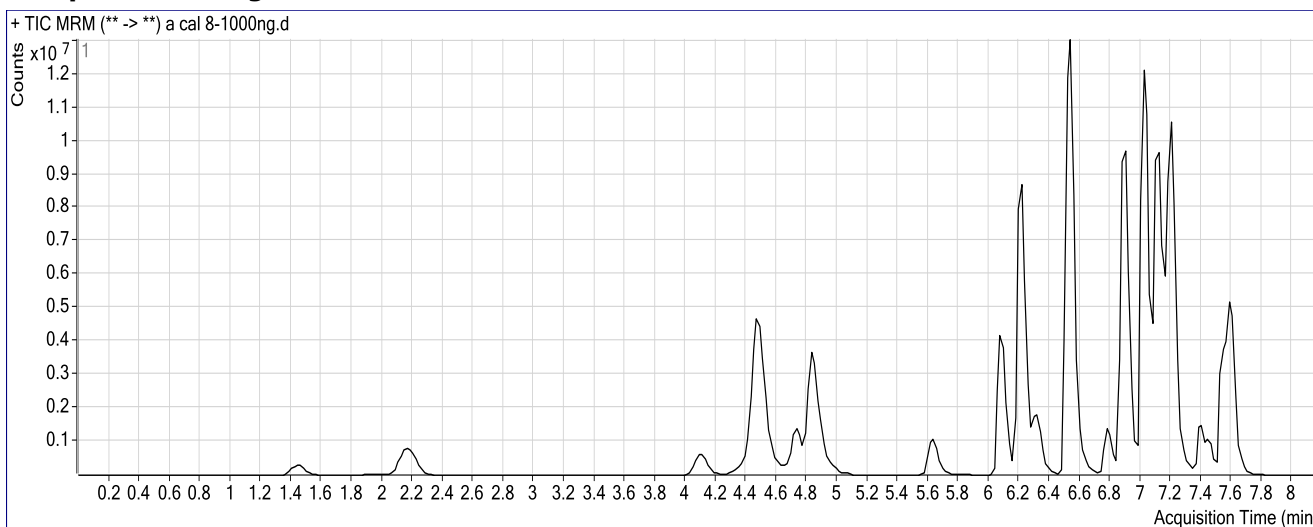
## Multi-Drug Confirmatory Analysis Report

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**Analysis Time** 11/16/2018 12:08 PM **Analyst Name** ISPUser  
**Report Time** 11/16/2018 1:01 PM **Reporter Name** ISPUser  
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### Analysis Info

**Acq Time** 2018-11-02 22:04 **Data File** a cal 8-1000ng.d  
**Sample Type** Calibration **Sample Name** a cal 8-1000ng.d  
**Dilution** 1 **Acq Method** MD Quant Panel 1a 7-11-18.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
Morphine	Morphine-D6	1.448	826198	12509	66.0498	1133.5970
Hydromorphone	Hydromorphone-D6	2.169	2944010	85980	34.2408	1092.5784
Codeine	Codeine-D6	4.113	1001460	42793	23.4022	1077.3782
Oxycodone	Oxycodone-D6	4.450	10785523	286409	37.6578	1120.7370
Amphetamine	Amphetamine-D11	4.504	12231525	206402	59.2607	857.7674
Hydrocodone	Hydrocodone-D6	4.735	3887013	198565	19.5755	1013.4748
Norhydrocodone	Norhydrocodone-D3	4.778	423489	42456	9.9747	993.7981
Methamphetamine	Methamphetamine-D11	4.841	13335675	186991	71.3172	903.3497
6-MAM	6-MAM-D6	4.949	111902	36589	3.0584	109.6047
Phentermine	Phentermine-D5	5.646	4778215	327777	14.5777	989.4571
Dextroprphan	Dextroprphan-D3	6.084	6024916	436424	13.8052	1029.1976
7-aminoclonazepam	7-Aminoclonazepam-D4	6.216	3296417	137031	24.0560	971.6859
Tramadol	Tramadol-13C-D3	6.224	28002727	1267289	22.0966	1112.1776
Metoprolol	Tramadol-13C-D3	6.322	2531739	1267289	1.9978	752.8450
Doxylamine	Doxylamine-D5	6.543	17166271	1152041	14.9007	1292.3111
Bupropion	Bupropion-D9	6.792	2677553	82431	32.4822	1168.0134
Zolpidem	Zolpidem-D6	6.902	26827466	1228516	21.8373	1127.8470
Meprobamate	Meprobamate-D7	6.914	1770450	62225	28.4525	1076.5736
Venlafaxine	Venlafaxine-D6	7.026	38111760	1089194	34.9908	1152.1431
Trazodone	Trazodone-D6	7.117	15167026	422075	35.9344	1124.1811

CS

**ISP FORENSICS - Pocatello Instrument # 59740**  
**Multi-Drug Confirmatory Analysis Report** Cal 8- 1000ng

<b>Compound</b>	<b>ISTD Compound</b>	<b>RT</b>	<b>Response</b>	<b>ISTD Resp</b>	<b>Resp Ratio</b>	<b>Final Conc</b>
Citalopram	Citalopram-D6	7.159	7923249	297460	26.6364	1156.7966
Dextromethorphan	Dextromethorphan-D3	7.191	2742899	102657	26.7191	1001.0156
Diphenhydramine	Diphenhydramine-D3	7.214	21262339	775947	27.4018	1022.9454
Promethazine	Promethazine-D3	7.409	3879758	92184	42.0871	1005.4040
Clonazepam	Clonazepam-D4	7.465	2235235	19254	116.0945	957.8608
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.521	1025930	39512	25.9650	1018.5085
Carisoprodol	Carisoprodol-D7	7.555	4662158	138011	33.7811	998.5588
Lorazepam	Alprazolam-D5	7.564	1103160	301523	3.6586	1277.3408
Alprazolam	Alprazolam-D5	7.608	9997468	301523	33.1565	1133.5654

CS

# ISP FORENSICS - Pocatello Instrument # 59740

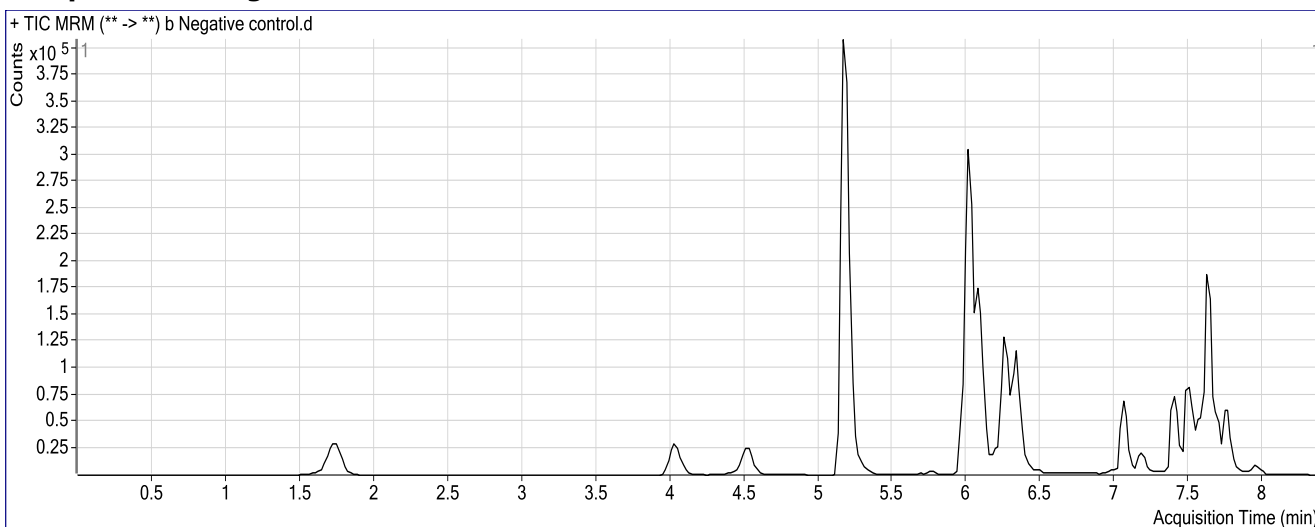
## Multi-Drug Confirmatory Analysis Report

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<b>Last Calib Update</b>	11/9/2018 12:16 PM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2018-11-02 23:54	<b>Data File</b>	b Negative control.d
<b>Sample Type</b>	Sample	<b>Sample Name</b>	b Negative control.d
<b>Dilution</b>	1	<b>Acq Method</b>	MD Quant Panel 1b 7-11-18.m
<b>Position</b>	P1-E2	<b>Sample Info</b>	
<b>Inj Vol</b>	-1	<b>Comment</b>	AM 28

### Sample Chromatogram



# ISP FORENSICS - Pocatello Instrument # 59740

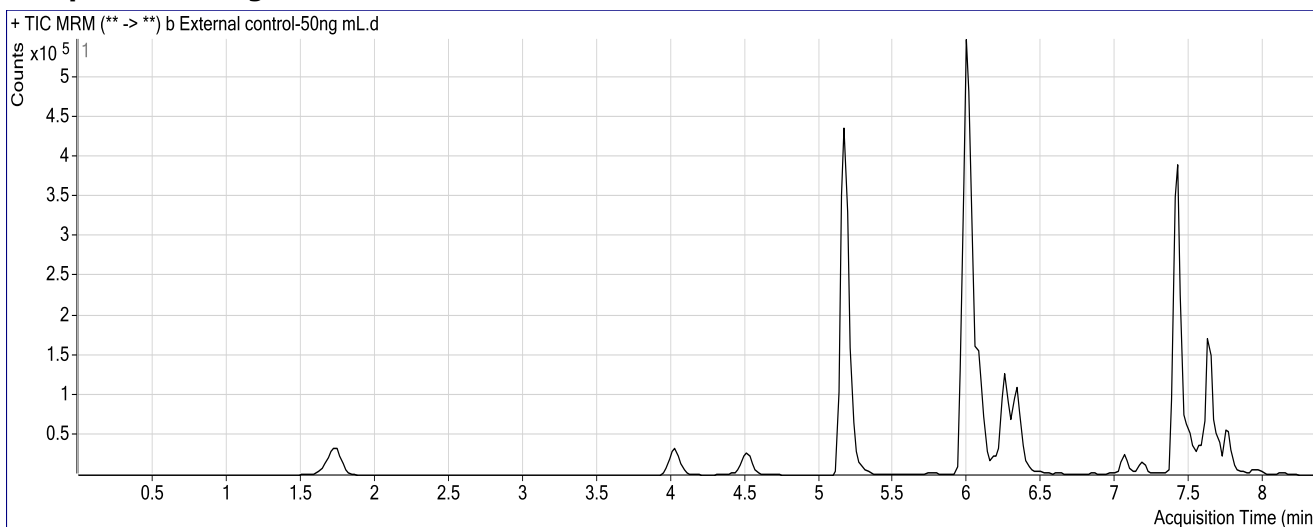
## Multi-Drug Confirmatory Analysis Report

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<b>Report Time</b>	11/9/2018 12:33 PM	<b>Reporter Name</b>	ISPUser
<b>Last Calib Update</b>	11/9/2018 12:16 PM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2018-11-03 00:26	<b>Data File</b>	b External control-50ng mL.d
<b>Sample Type</b>	Sample	<b>Sample Name</b>	b External control-50ng mL.d
<b>Dilution</b>	1	<b>Acq Method</b>	MD Quant Panel 1b 7-11-18.m
<b>Position</b>	P1-F2	<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	6.002	982622	323041	3.0418	80.0633
Quetiapine	Quetiapine-D8	7.418	856828	163950	5.2262	52.0271

# ISP FORENSICS - Pocatello Instrument # 59740

## Multi-Drug Confirmatory Analysis Report

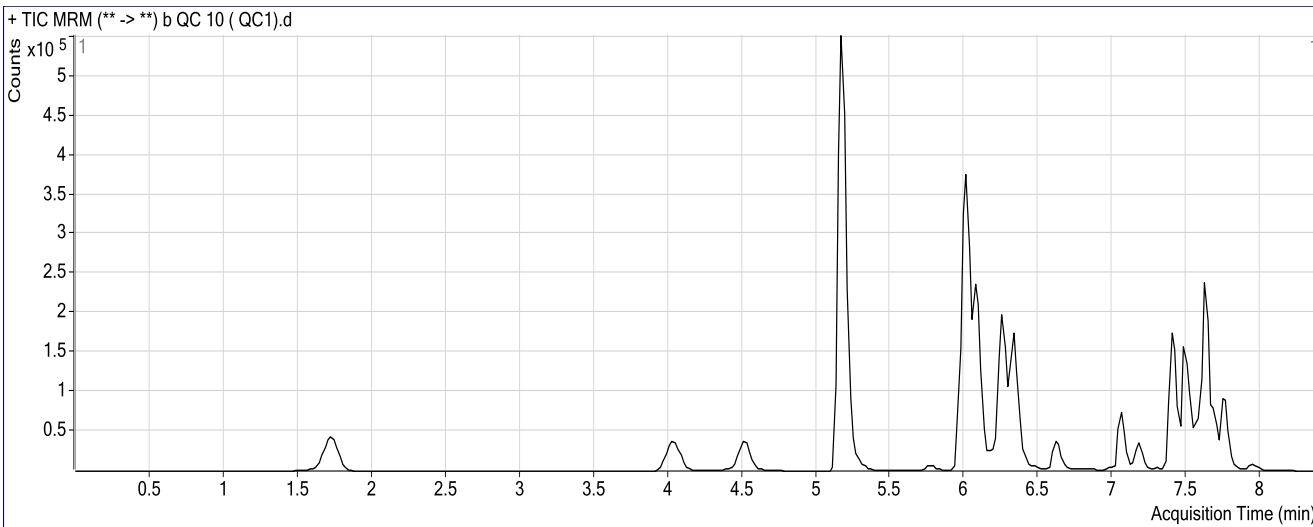
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**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P1b 110218 CS.batch.bin  
**Analysis Time** 11/9/2018 12:16 PM **Analyst Name** ISPUser  
**Report Time** 11/9/2018 12:34 PM **Reporter Name** ISPUser  
**Last Calib Update** 11/9/2018 12:16 PM **Batch State** Processed

**Analysis Info**

**Acq Time** 2018-11-03 01:29 **Data File** b QC 10 ( QC1).d  
**Sample Type** QC **Sample Name** b QC 10 ( QC1).d  
**Dilution** 1 **Acq Method** MD Quant Panel 1b 7-11-18.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
Oxymorphone	Oxymorphone-D3	1.728	54424	262813	0.2071	9.6842
Dihydrocodeine	Dihydrocodeine-D6	4.071	36173	184849	0.1957	10.5377
Noroxycodone	Noroxycodone-D3	4.533	44584	179414	0.2485	9.7681
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.181	421880	1882034	0.2242	10.4150
<b>Benzoylcegonine</b>	<b>Benzoylcegonine-d8</b>	<b>5.791</b>	<b>4572</b>	<b>17289</b>	<b>0.2644</b>	<b>37.8128</b> Not evaluated
Ketamine	Ketamine-D4	6.002	172326	347412	0.4960	12.0302
<b>Norfentanyl</b>	<b>Norfentanyl-D5</b>	<b>6.064</b>	<b>24745</b>	<b>1108768</b>	<b>0.0223</b>	<b>1.2268</b> Outside curve range
Cocaine	Cocaine-d3	6.252	62310	588757	0.1058	9.3117
alpha-PVP	alpha-PVP-d8	6.348	89337	472230	0.1892	9.5013
<b>Mirtazapine</b>	<b>alpha-PVP-d8</b>	<b>6.624</b>	<b>73214</b>	<b>472230</b>	<b>0.1550</b>	<b>26.0295</b> Outside curve range
<b>Norbuprenorphine</b>	<b>Norbuprenorphine-D3</b>	<b>6.974</b>	<b>269</b>	<b>13607</b>	<b>0.0198</b>	<b>1.7510</b> Not evaluated
<b>Fentanyl</b>	<b>Fentanyl-D5</b>	<b>7.059</b>	<b>3816</b>	<b>249320</b>	<b>0.0153</b>	<b>1.8257</b> Outside curve range
Mitragynine	EDDP-D3	7.156	6879	77894	0.0883	5.8646
EDDP	EDDP-D3	7.188	15162	77894	0.1947	9.8660
Quetiapine	Quetiapine-D8	7.418	268567	252297	1.0645	10.7305
Cyclobenzaprine	Cyclobenzaprine-D3	7.472	8927	26662	0.3348	12.1493
Methadone	Methadone-D9	7.502	126921	293834	0.4319	11.3097
Fluoxetine	Fluoxetine-D6	7.542	12908	48052	0.2686	9.5830
Oxazepam	Oxazepam-D5	7.588	13550	80436	0.1685	9.2409

ISP FORENSICS - Pocatello Instrument # 59740  
Multi-Drug Confirmatory Analysis Report b QC 10

cg

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Sertraline	Sertraline-D3	7.625	3003	13804	0.2175	26.9190 <small>Outside curve range</small>
Buprenorphine	Buprenorphine-D4	7.657	3478	88924	0.0391	2.5295 <small>Not evaluated</small>
Temazepam	Temazepam-D5	7.627	94941	504764	0.1881	10.2516
Nordiazepam	Nordiazepam-D5	7.695	39102	117664	0.3323	11.1399
Diazepam	Diazepam-D5	7.771	42289	177414	0.2384	10.7785



# ISP FORENSICS - Pocatello Instrument # 59740

## Multi-Drug Confirmatory Analysis Report

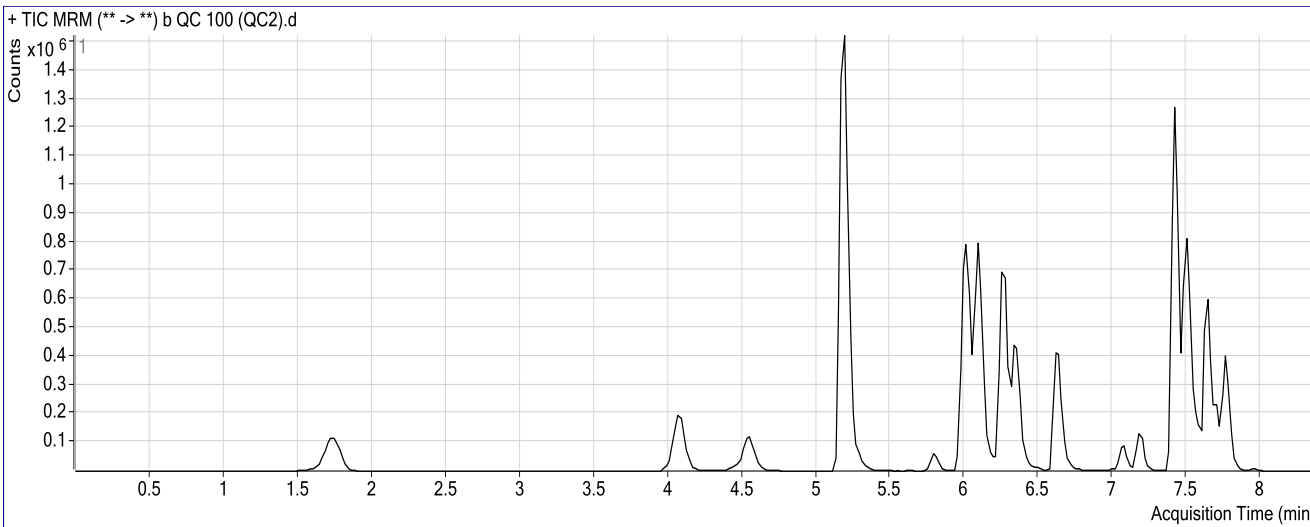
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<b>Batch Data Path</b>	C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P1b 110218 CS.batch.bin		
<b>Analysis Time</b>	11/9/2018 12:16 PM	<b>Analyst Name</b>	ISPUser
<b>Report Time</b>	11/9/2018 12:34 PM	<b>Reporter Name</b>	ISPUser
<b>Last Calib Update</b>	11/9/2018 12:16 PM	<b>Batch State</b>	Processed

**Analysis Info**

<b>Acq Time</b>	2018-11-03 03:50	<b>Data File</b>	b QC 100 (QC2).d
<b>Sample Type</b>	QC	<b>Sample Name</b>	b QC 100 (QC2).d
<b>Dilution</b>	1	<b>Acq Method</b>	MD Quant Panel 1b 7-11-18.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
Oxymorphone	Oxymorphone-D3	1.748	564992	242472	2.3301	83.2559
Dihydrocodeine	Dihydrocodeine-D6	4.091	407984	182239	2.2387	108.7479
Noroxycodone	Noroxycodone-D3	4.553	451345	155425	2.9039	94.2137
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.201	4432123	1841424	2.4069	103.3490
<b>Benzoylcegonine</b>	<b>Benzoylcegonine-d8</b>	<b>5.791</b>	<b>69463</b>	<b>15711</b>	<b>4.4213</b>	<b>204.4273</b> Not evaluated
Ketamine	Ketamine-D4	6.002	1715324	321818	5.3301	141.2165
Norfentanyl	Norfentanyl-D5	6.064	253156	1115856	0.2269	9.4089
Cocaine	Cocaine-d3	6.252	692460	565087	1.2254	114.9092
alpha-PVP	alpha-PVP-d8	6.368	774648	370355	2.0916	103.5247
Mirtazapine	alpha-PVP-d8	6.624	887317	370355	2.3959	107.1898
<b>Norbuprenorphine</b>	<b>Norbuprenorphine-D3</b>	<b>6.994</b>	<b>2939</b>	<b>16304</b>	<b>0.1803</b>	<b>10.1666</b> Not evaluated
Fentanyl	Fentanyl-D5	7.079	39634	262198	0.1512	9.2187
Mitragynine	EDDP-D3	7.176	76988	87774	0.8771	55.5278
EDDP	EDDP-D3	7.188	193736	87774	2.2072	91.3147
Quetiapine	Quetiapine-D8	7.418	2960061	286801	10.3210	102.5829
Cyclobenzaprine	Cyclobenzaprine-D3	7.472	98281	28909	3.3996	95.1785
Methadone	Methadone-D9	7.502	1509489	334024	4.5191	108.3400
Fluoxetine	Fluoxetine-D6	7.562	171802	47344	3.6288	112.2097
Oxazepam	Oxazepam-D5	7.588	129460	68878	1.8796	91.9133

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# ISP FORENSICS - Pocatello Instrument # 59740

## Multi-Drug Confirmatory Analysis Report b QC 100

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Sertraline	Sertraline-D3	7.604	23147	17204	1.3454	84.7074
<b>Buprenorphine</b>	<b>Buprenorphine-D4</b>	<b>7.657</b>	<b>31542</b>	<b>78878</b>	<b>0.3999</b>	<b>10.4783</b> Not evaluated
Temazepam	Temazepam-D5	7.647	976007	499540	1.9538	88.2547
Nordiazepam	Nordiazepam-D5	7.715	410593	109564	3.7475	91.3514
Diazepam	Diazepam-D5	7.771	445571	180528	2.4682	89.7370

# ISP FORENSICS - Pocatello Instrument # 59740

## Multi-Drug Confirmatory Analysis Report

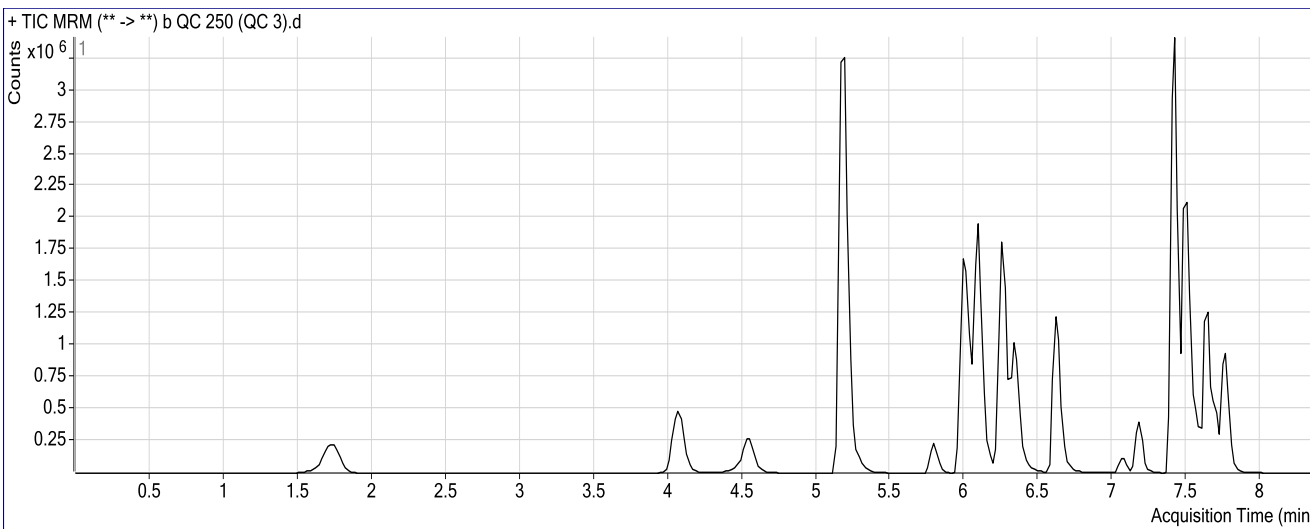
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**Report Time** 11/9/2018 12:35 PM **Reporter Name** ISPUser  
**Last Calib Update** 11/9/2018 12:16 PM **Batch State** Processed

**Analysis Info**

**Acq Time** 2018-11-03 07:15 **Data File** b QC 250 (QC 3).d  
**Sample Type** QC **Sample Name** b QC 250 (QC 3).d  
**Dilution** 1 **Acq Method** MD Quant Panel 1b 7-11-18.m  
**Position** P1-C2 **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	1.728	1381180	219801	6.2838	220.2650
Dihydrocodeine	Dihydrocodeine-D6	4.071	1102322	191637	5.7521	277.6387
Noroxycodone	Noroxycodone-D3	4.553	1179369	147162	8.0141	256.7213
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.201	12007806	1881052	6.3836	272.6625
<b>Benzoylcegonine</b>	<b>Benzoylcegonine-d8</b>	<b>5.791</b>	<b>270502</b>	<b>16118</b>	<b>16.7822</b>	<b>699.8669</b> Not evaluated
Ketamine	Ketamine-D4	6.002	4784271	368762	12.9739	345.4887
Norfentanyl	Norfentanyl-D5	6.044	734550	1172546	0.6265	25.3922
Cocaine	Cocaine-d3	6.252	1921499	603763	3.1825	299.5052
alpha-PVP	alpha-PVP-d8	6.348	1986456	364936	5.4433	269.1711
Mirtazapine	alpha-PVP-d8	6.624	2461257	364936	6.7443	264.6885
<b>Norbuprenorphine</b>	<b>Norbuprenorphine-D3</b>	<b>6.994</b>	<b>6912</b>	<b>13751</b>	<b>0.5027</b>	<b>27.0656</b> Not evaluated
Fentanyl	Fentanyl-D5	7.079	116484	282075	0.4130	23.4652
Mitragynine	EDDP-D3	7.156	259574	104984	2.4725	155.9726
EDDP	EDDP-D3	7.188	663694	104984	6.3219	257.8335
Quetiapine	Quetiapine-D8	7.418	8160684	297935	27.3908	271.9682
Cyclobenzaprine	Cyclobenzaprine-D3	7.472	320676	30000	10.6893	292.6636
Methadone	Methadone-D9	7.502	4502238	377956	11.9121	283.8513
Fluoxetine	Fluoxetine-D6	7.542	494593	60001	8.2430	253.1351
Oxazepam	Oxazepam-D5	7.568	343838	62903	5.4661	265.1973

cg

# ISP FORENSICS - Pocatello Instrument # 59740

## Multi-Drug Confirmatory Analysis Report b QC 250

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Sertraline	Sertraline-D3	7.604	79856	20311	3.9317	217.2237
<b>Buprenorphine</b>	<b>Buprenorphine-D4</b>	<b>7.637</b>	<b>76578</b>	<b>76046</b>	<b>1.0070</b>	<b>23.8545</b> Not evaluated
Temazepam	Temazepam-D5	7.647	2573889	484511	5.3123	236.6221
Nordiazepam	Nordiazepam-D5	7.715	993431	94563	10.5055	250.0741
Diazepam	Diazepam-D5	7.771	1229308	173636	7.0798	253.0382

# ISP FORENSICS - Pocatello Instrument # 59740

## Multi-Drug Confirmatory Analysis Report

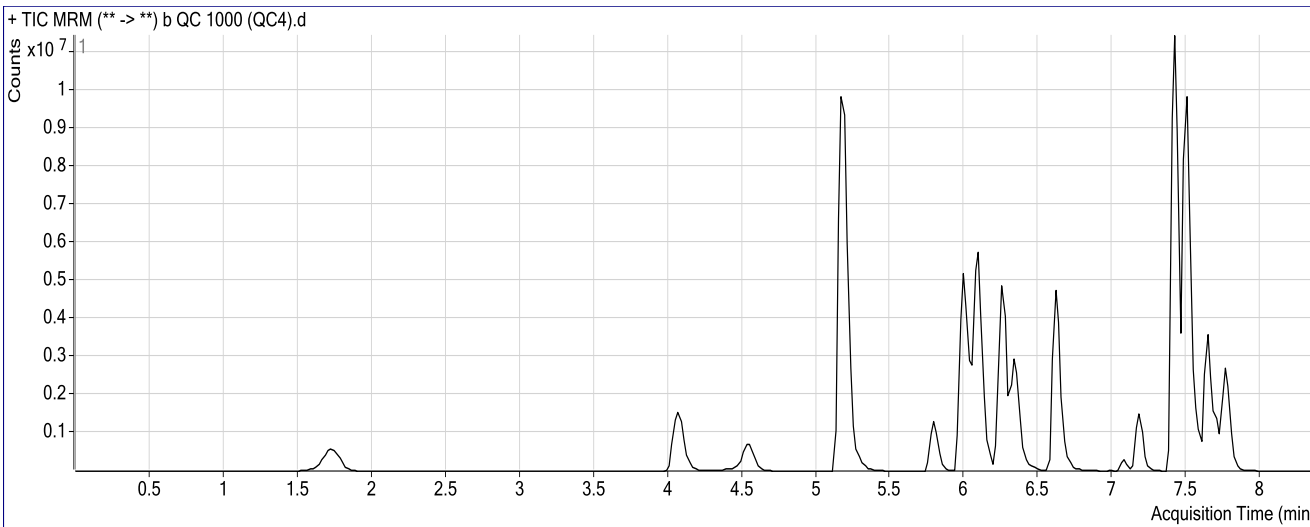
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**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P1b 110218 CS.batch.bin  
**Analysis Time** 11/9/2018 12:16 PM **Analyst Name** ISPUser  
**Report Time** 11/9/2018 12:35 PM **Reporter Name** ISPUser  
**Last Calib Update** 11/9/2018 12:16 PM **Batch State** Processed

**Analysis Info**

**Acq Time** 2018-11-03 11:58 **Data File** b QC 1000 (QC4).d  
**Sample Type** QC **Sample Name** b QC 1000 (QC4).d  
**Dilution** 1 **Acq Method** MD Quant Panel 1b 7-11-18.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
Oxymorphone	Oxymorphone-D3	1.728	3966211	147992	26.8002	931.2362
Dihydrocodeine	Dihydrocodeine-D6	4.071	3456723	163491	21.1431	1017.4907
Noroxycodone	Noroxycodone-D3	4.533	3316369	108343	30.6098	975.2879
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.181	41224274	1486155	27.7389	1181.9041
<b>Benzoylcegonine</b>	<b>Benzoylcegonine-d8</b>	<b>5.791</b>	<b>1616534</b>	<b>14283</b>	<b>113.1762</b>	<b>4563.4542</b> Not evaluated
Ketamine	Ketamine-D4	6.002	17035737	357041	47.7137	1273.8787
Norfentanyl	Norfentanyl-D5	6.044	2319496	859110	2.6999	108.3286
Cocaine	Cocaine-d3	6.252	5451021	453973	12.0074	1131.8597
alpha-PVP	alpha-PVP-d8	6.348	6413615	279378	22.9568	1134.7252
Mirtazapine	alpha-PVP-d8	6.624	9687948	279378	34.6768	1276.3792 <small>Outside-curve-range</small>
<b>Norbuprenorphine</b>	<b>Norbuprenorphine-D3</b>	<b>6.994</b>	<b>24117</b>	<b>11131</b>	<b>2.1666</b>	<b>114.2899</b> Not evaluated
Fentanyl	Fentanyl-D5	7.079	496223	255874	1.9393	106.5287
<b>Mitragynine</b>	<b>EDDP-D3</b>	<b>7.156</b>	<b>1020130</b>	<b>110275</b>	<b>9.2508</b>	<b>582.7314</b> <small>Outside curve range</small>
EDDP	EDDP-D3	7.188	2817467	110275	25.5495	1035.9770
Quetiapine	Quetiapine-D8	7.418	28719047	288178	99.6574	989.0737
Cyclobenzaprine	Cyclobenzaprine-D3	7.472	1273702	31468	40.4760	1099.6145
Methadone	Methadone-D9	7.502	21443346	432962	49.5270	1176.8420
Fluoxetine	Fluoxetine-D6	7.542	1501427	45389	33.0795	1011.6835
Oxazepam	Oxazepam-D5	7.588	1161310	51758	22.4374	1085.1644

cg

# ISP FORENSICS - Pocatello Instrument # 59740

## Multi-Drug Confirmatory Analysis Report b QC 1000

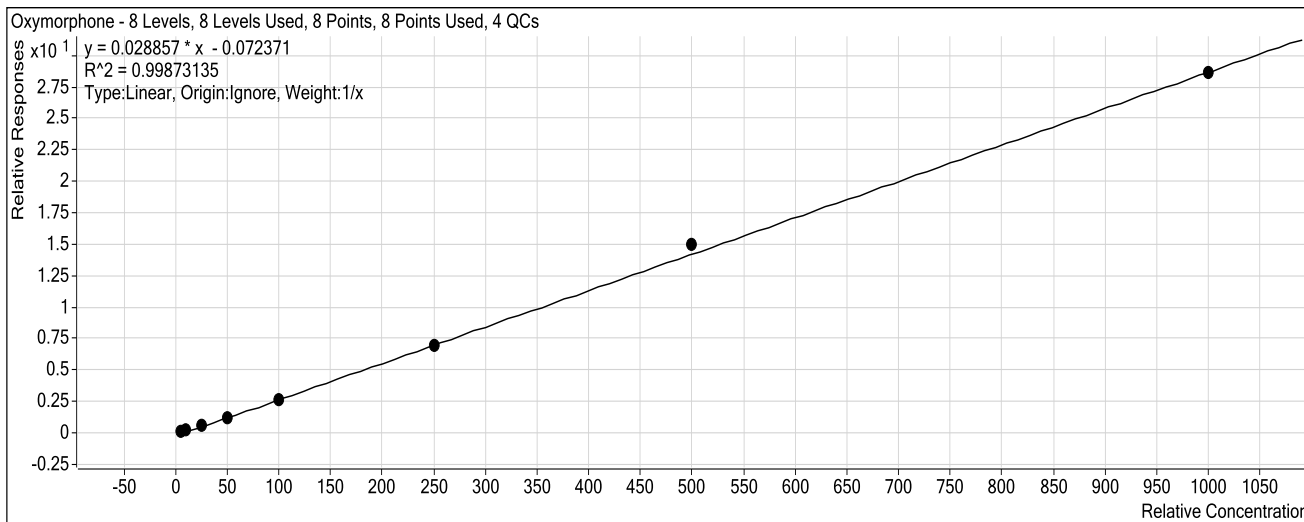
Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc	
Sertraline	Sertraline-D3	7.625	180598	11404	15.8368	827.2062	
<b>Buprenorphine</b>	<b>Buprenorphine-D4</b>	<b>7.657</b>	<b>228367</b>	<b>42422</b>	<b>5.3832</b>	<b>120.2724</b>	Not evaluated
Temazepam	Temazepam-D5	7.647	8002949	362626	22.0694	976.8893	
Nordiazepam	Nordiazepam-D5	7.715	2685650	60355	44.4976	1048.4345	
Diazepam	Diazepam-D5	7.771	3917435	137884	28.4111	1008.3934	

# ISP Forensics Calibration Curve Report

c

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P1b 110218 CS.batch.bin  
**Last Calib Update** 11/9/2018 12:16 PM **Analyst Name** ISP TOX

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



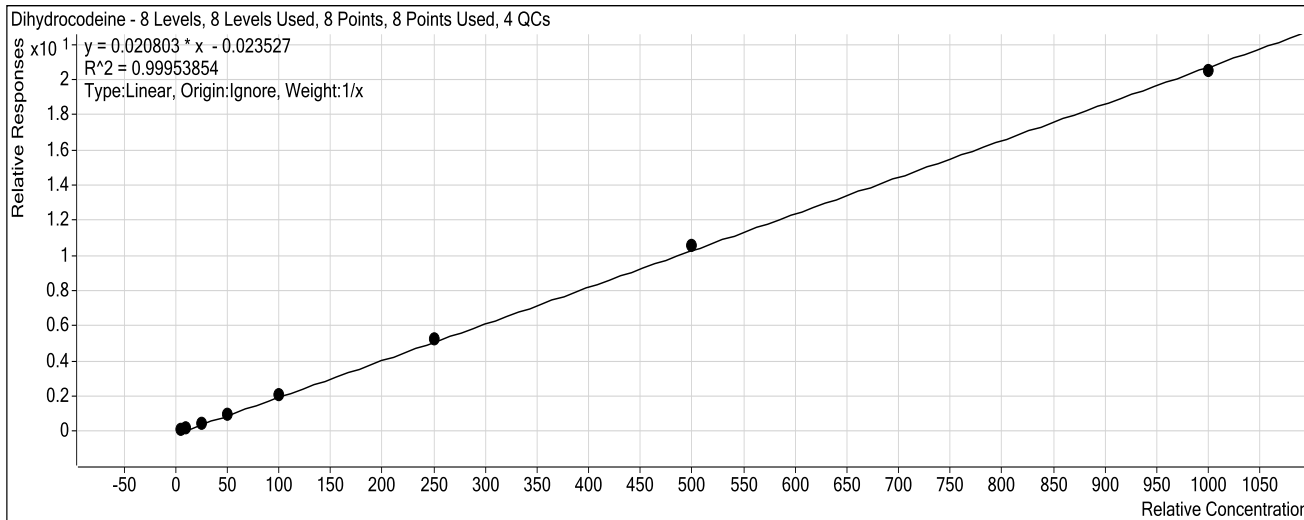
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b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.8	98.4
b QC 10 ( QC1).d	2	<input checked="" type="checkbox"/>	10	9.7	96.8
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	22.8	91.2
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	44.8	89.6
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	94.7	94.7
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	83.3	83.3
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	245.4	98.2
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	220.3	88.1
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	520.4	104.1
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	995.8	99.6
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	931.2	93.1

# ISP Forensics Calibration Curve Report

CS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P1b 110218 CS.batch.bin  
**Last Calib Update** 11/9/2018 12:16 PM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.6	112.3
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.4	94.1
b QC 10 ( QC1).d	2	<input checked="" type="checkbox"/>	10	10.5	105.4
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.3	93.0
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	47.8	95.5
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	102.3	102.3
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	108.7	108.7
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	255.3	102.1
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	277.6	111.1
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	509.0	101.8
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	987.4	98.7
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	1017.5	101.7

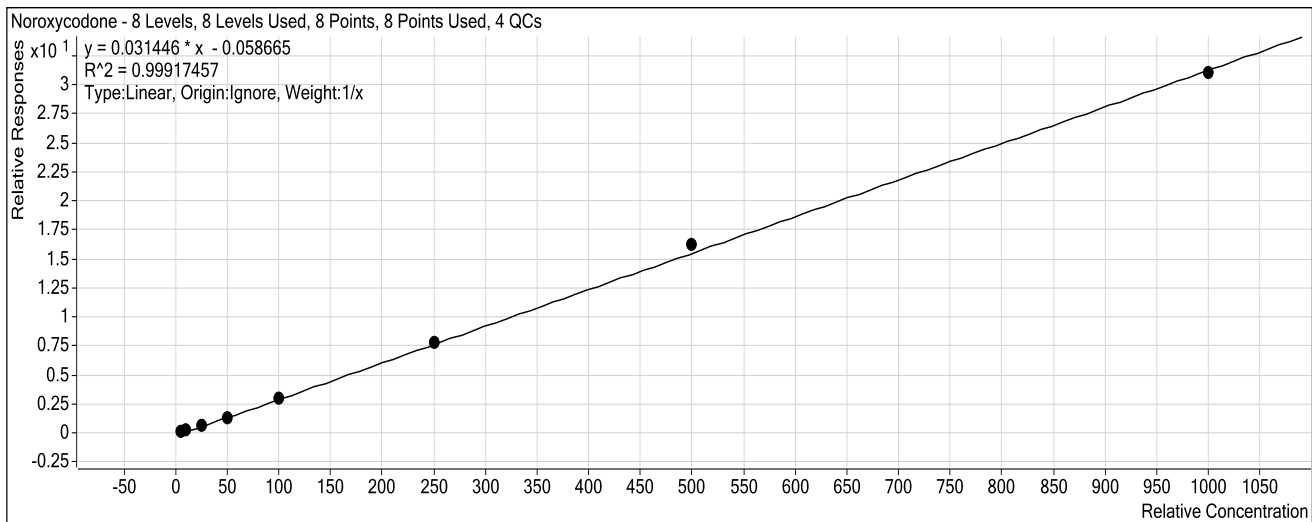


# ISP Forensics Calibration Curve Report

CJ

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P1b 110218 CS.batch.bin  
**Last Calib Update** 11/9/2018 12:16 PM **Analyst Name** ISP TOX

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



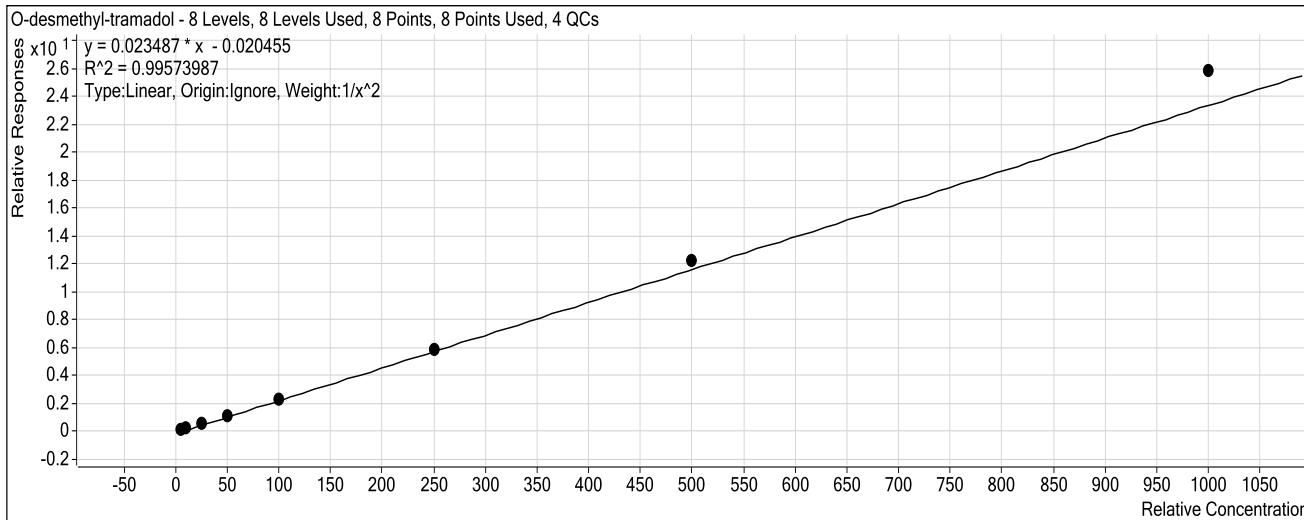
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b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	10.1	100.6
b QC 10 ( QC1).d	2	<input checked="" type="checkbox"/>	10	9.8	97.7
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.4	93.5
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	45.7	91.4
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	96.9	96.9
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	94.2	94.2
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	249.4	99.8
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	256.7	102.7
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	518.4	103.7
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	990.4	99.0
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	975.3	97.5

# ISP Forensics Calibration Curve Report

Cg

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P1b 110218 CS.batch.bin  
**Last Calib Update** 11/9/2018 12:16 PM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.2	103.6
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.7	96.6
b QC 10 ( QC1).d	2	<input checked="" type="checkbox"/>	10	10.4	104.2
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.4	93.4
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	47.2	94.5
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	97.6	97.6
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	103.3	103.3
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	250.1	100.0
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	272.7	109.1
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	520.0	104.0
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1102.7	110.3
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	1181.9	118.2

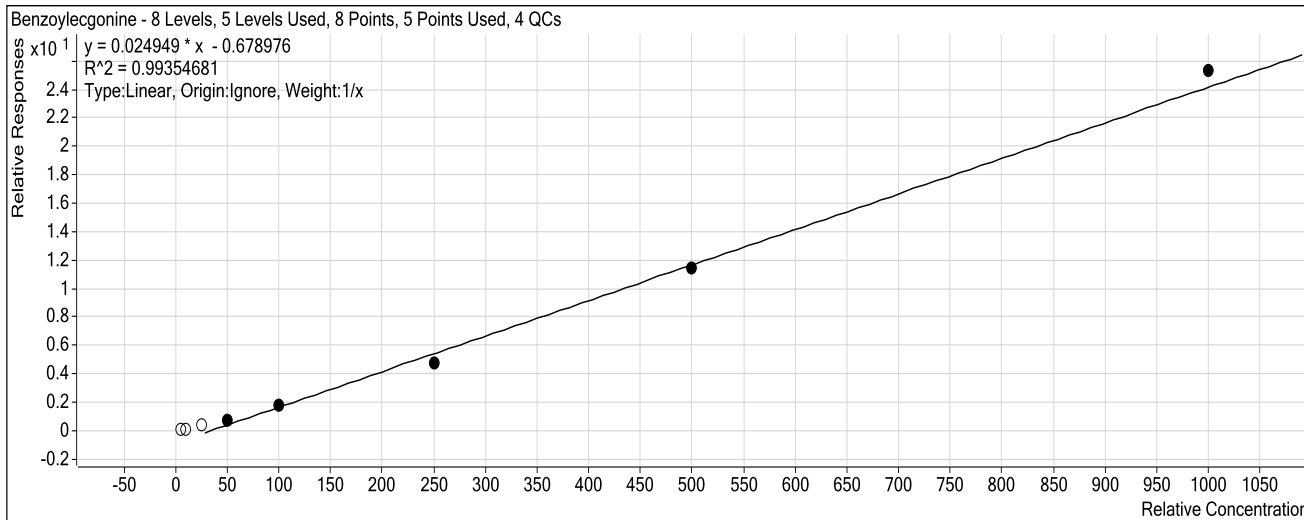
# ISP Forensics Calibration Curve Report

Compound not evaluated.

CS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P1b 110218 CS.batch.bin  
**Last Calib Update** 11/9/2018 12:16 PM **Analyst Name** ISP TOX

**Target Compound** Benzoylecgonine  
**Internal Standard** Benzoylecgonine-d8



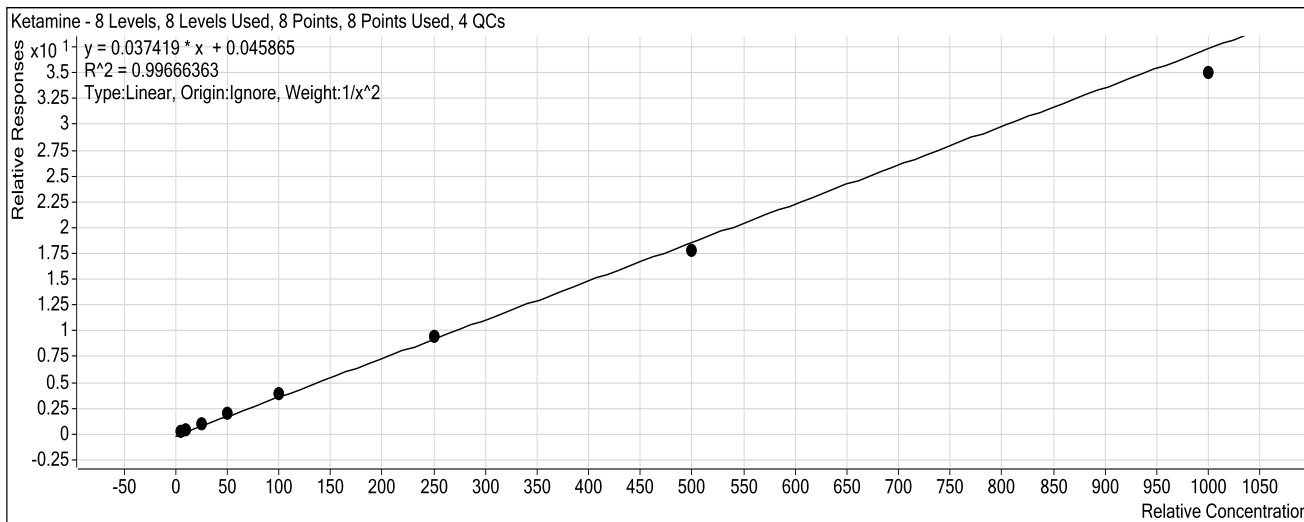
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input type="checkbox"/>	5	30.3	606.6
b cal 2-10ng.d	2	<input type="checkbox"/>	10	33.0	329.7
b QC 10 ( QC1).d	2	<input type="checkbox"/>	10	37.8	378.1
b cal 3-25ng.d	3	<input type="checkbox"/>	25	42.6	170.5
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	57.1	114.2
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	97.9	97.9
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	204.4	204.4
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	216.1	86.5
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	699.9	279.9
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	485.4	97.1
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1043.5	104.3
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	4563.5	456.3

# ISP Forensics Calibration Curve Report

CJ

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P1b 110218 CS.batch.bin  
**Last Calib Update** 11/9/2018 12:16 PM **Analyst Name** ISP TOX

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



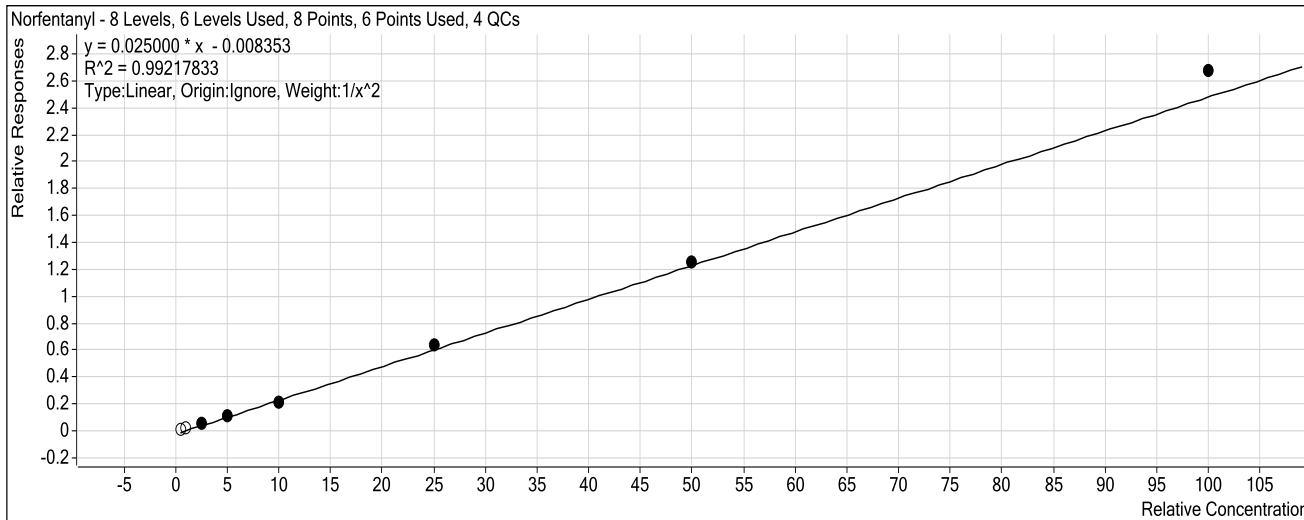
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.0	100.2
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.5	95.5
b QC 10 ( QC1).d	2	<input checked="" type="checkbox"/>	10	12.0	120.3
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	27.1	108.4
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	51.8	103.6
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	102.3	102.3
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	141.2	141.2
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	253.6	101.5
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	345.5	138.2
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	475.3	95.1
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	935.8	93.6
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	1273.9	127.4

# ISP Forensics Calibration Curve Report

CS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P1b 110218 CS.batch.bin  
**Last Calib Update** 11/9/2018 12:16 PM **Analyst Name** ISP TOX

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



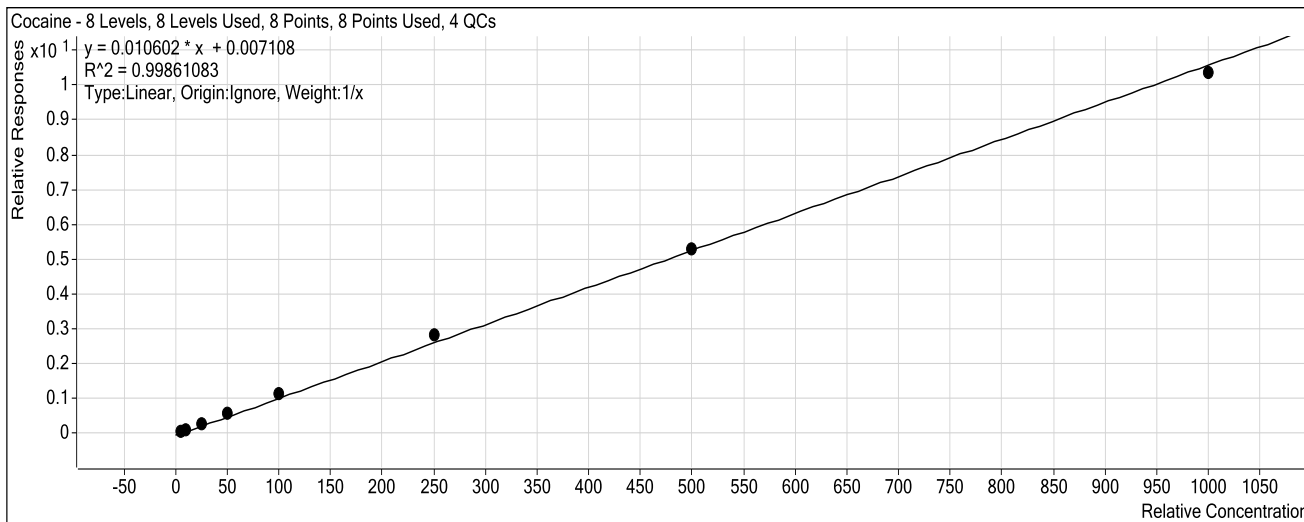
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input type="checkbox"/>	0.5	0.7	135.9
b cal 2-10ng.d	2	<input type="checkbox"/>	1	1.1	110.8
b QC 10 ( QC1).d	2	<input type="checkbox"/>	1	1.2	122.7
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	2.5	2.6	105.6
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	5	4.6	92.5
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	10	9.0	90.1
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	10	9.4	94.1
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	25	25.8	103.2
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	25	25.4	101.6
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	50	50.5	100.9
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	100	107.5	107.5
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	100	108.3	108.3

# ISP Forensics Calibration Curve Report

cg

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P1b 110218 CS.batch.bin  
**Last Calib Update** 11/9/2018 12:16 PM **Analyst Name** ISP TOX

**Target Compound** Cocaine  
**Internal Standard** Cocaine-d3



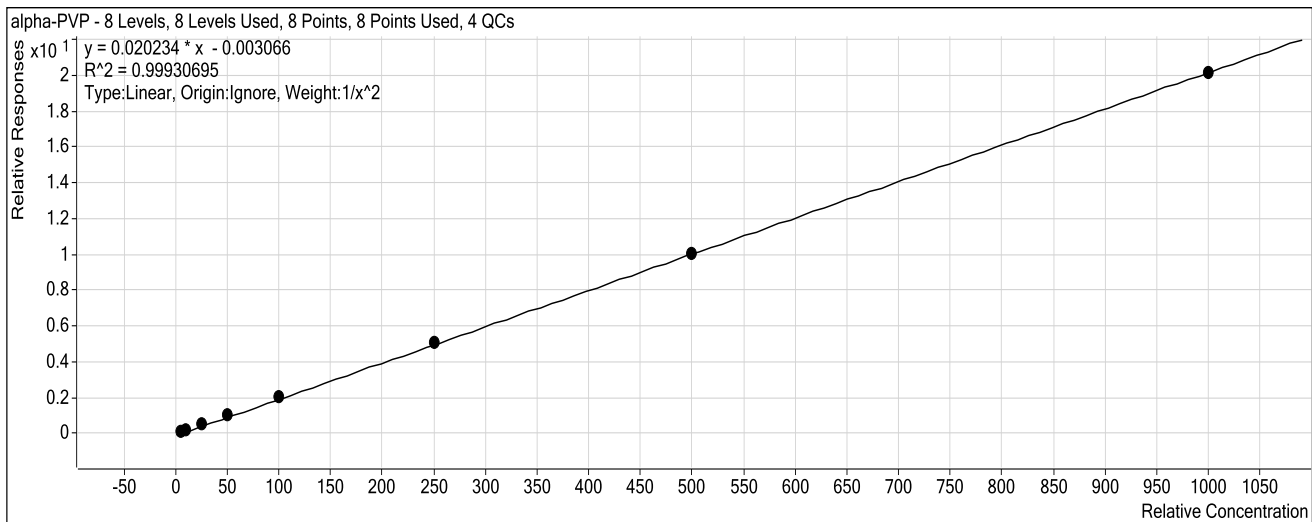
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	4.6	91.8
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	8.7	87.1
b QC 10 ( QC1).d	2	<input checked="" type="checkbox"/>	10	9.3	93.1
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	26.1	104.3
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	52.9	105.8
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	107.7	107.7
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	114.9	114.9
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	265.1	106.0
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	299.5	119.8
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	497.9	99.6
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	977.0	97.7
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	1131.9	113.2

# ISP Forensics Calibration Curve Report

CS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P1b 110218 CS.batch.bin  
**Last Calib Update** 11/9/2018 12:16 PM **Analyst Name** ISP TOX

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



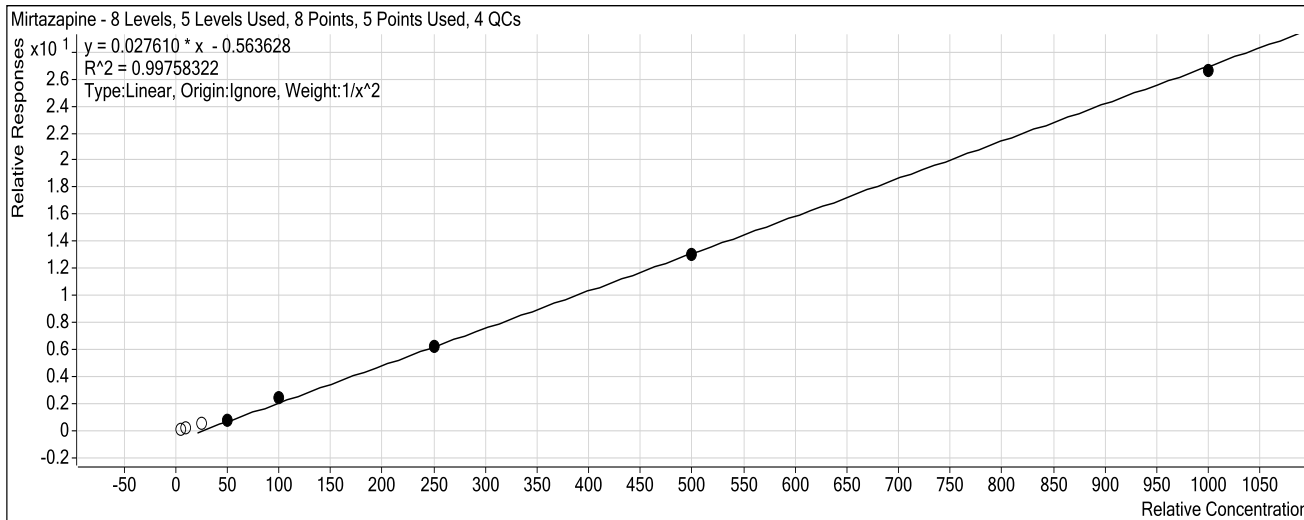
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.1	102.2
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.6	95.5
b QC 10 ( QC1).d	2	<input checked="" type="checkbox"/>	10	9.5	95.0
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	24.7	98.7
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	51.0	102.0
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	101.8	101.8
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	103.5	103.5
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	253.1	101.2
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	269.2	107.7
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	494.6	98.9
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	996.6	99.7
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	1134.7	113.5

# ISP Forensics Calibration Curve Report

CS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P1b 110218 CS.batch.bin  
**Last Calib Update** 11/9/2018 12:16 PM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input type="checkbox"/>	5	22.8	456.0
b cal 2-10ng.d	2	<input type="checkbox"/>	10	25.8	258.2
b QC 10 ( QC1).d	2	<input checked="" type="checkbox"/>	10	26.0	260.3
b cal 3-25ng.d	3	<input type="checkbox"/>	25	37.7	150.7
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	48.5	97.1
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	106.6	106.6
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	107.2	107.2
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	247.6	99.1
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	264.7	105.9
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	493.3	98.7
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	985.6	98.6
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	1276.4	127.6



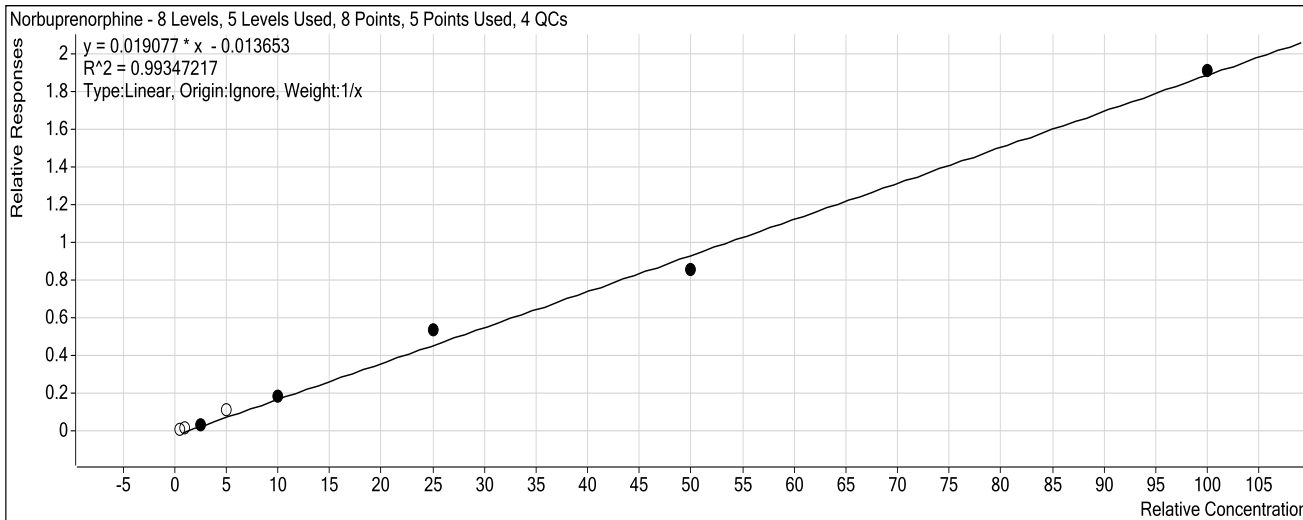
# ISP Forensics Calibration Curve Report

Compound not evaluated.

CJ

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P1b 110218 CS.batch.bin  
**Last Calib Update** 11/9/2018 12:16 PM **Analyst Name** ISP TOX

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



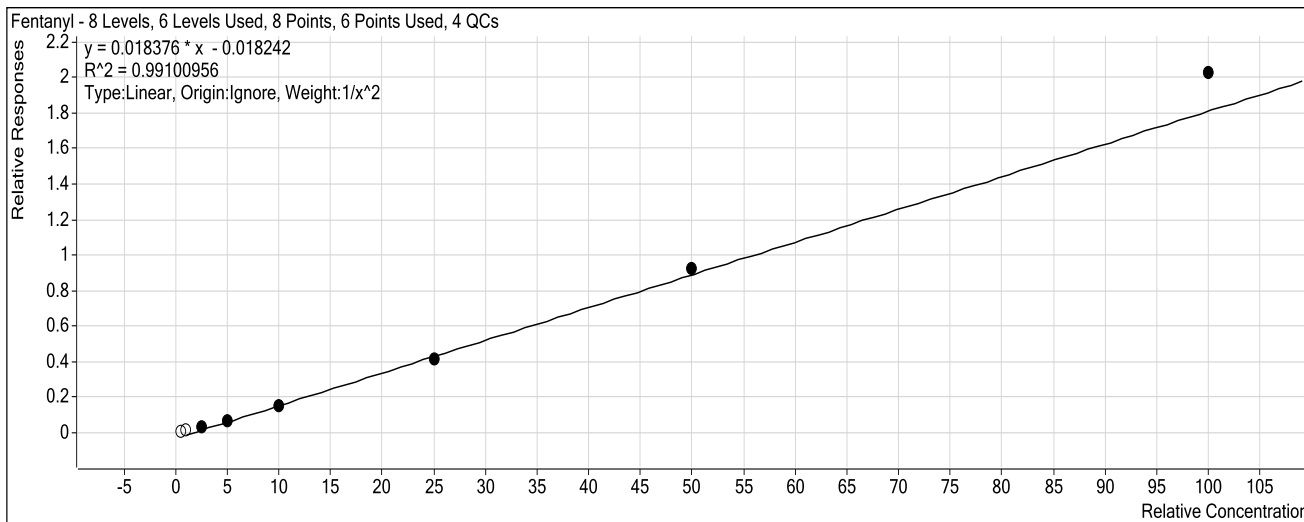
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input type="checkbox"/>	0.5	1.0	203.7
b cal 2-10ng.d	2	<input type="checkbox"/>	1	1.7	168.6
b QC 10 ( QC1).d	2	<input type="checkbox"/>	1	1.8	175.1
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	2.5	2.3	92.3
b cal 4-50ng.d	4	<input type="checkbox"/>	5	6.6	132.2
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	10	10.1	101.5
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	10	10.2	101.7
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	25	28.6	114.3
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	25	27.1	108.3
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	50	45.5	91.0
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	100	101.0	101.0
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	100	114.3	114.3

# ISP Forensics Calibration Curve Report

CS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P1b 110218 CS.batch.bin  
**Last Calib Update** 11/9/2018 12:16 PM **Analyst Name** ISP TOX

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



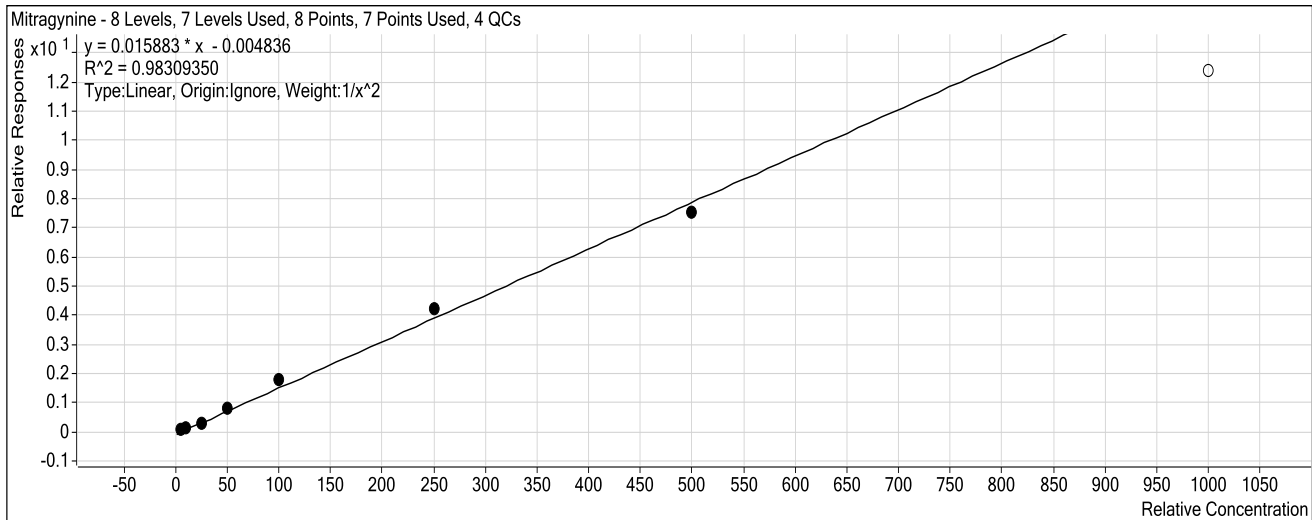
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input type="checkbox"/>	0.5	1.4	279.2
b cal 2-10ng.d	2	<input type="checkbox"/>	1	1.9	194.5
b QC 10 ( QC1).d	2	<input type="checkbox"/>	1	1.8	182.6
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	2.5	2.6	105.3
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	5	4.7	93.2
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	10	9.3	93.1
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	10	9.2	92.2
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	25	23.6	94.4
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	25	23.5	93.9
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	50	51.3	102.6
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	100	111.4	111.4
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	100	106.5	106.5

# ISP Forensics Calibration Curve Report

CS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P1b 110218 CS.batch.bin  
**Last Calib Update** 11/9/2018 12:16 PM **Analyst Name** ISP TOX

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



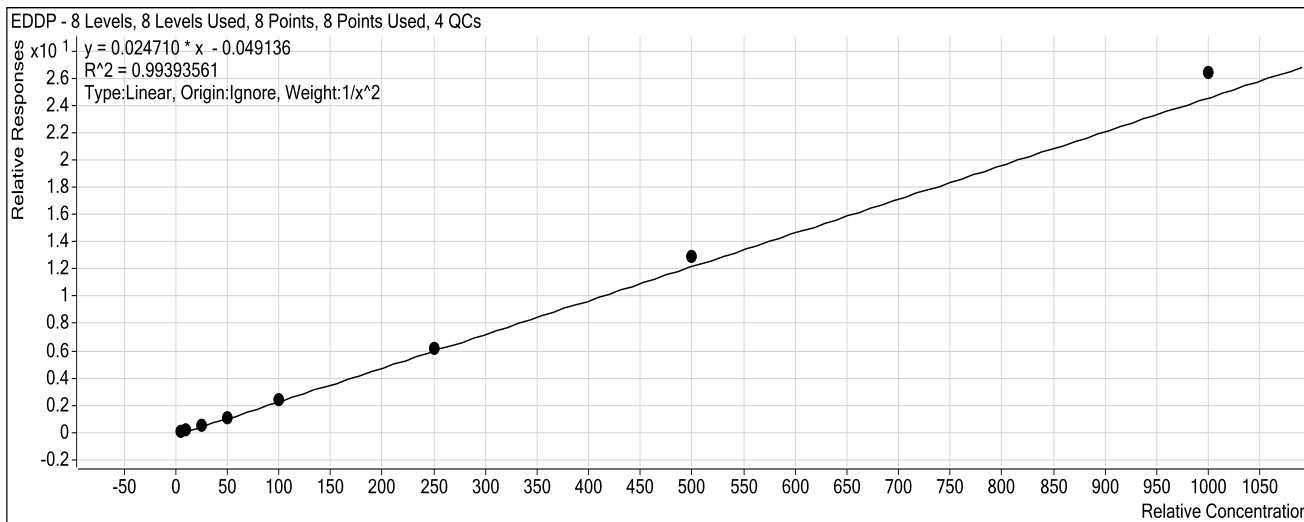
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.3	106.2
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.3	92.8
b QC 10 ( QC1).d	2	<input checked="" type="checkbox"/>	10	5.9	58.6
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	20.3	81.1
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	51.6	103.3
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	114.5	114.5
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	55.5	55.5
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	267.2	106.9
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	156.0	62.4
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	476.2	95.2
b cal 8-1000ng.d	8	<input type="checkbox"/>	1000	781.4	78.1
b QC 1000 (QC4).d	8	<input type="checkbox"/>	1000	582.7	58.3

# ISP Forensics Calibration Curve Report

CJ

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P1b 110218 CS.batch.bin  
**Last Calib Update** 11/9/2018 12:16 PM **Analyst Name** ISP TOX

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



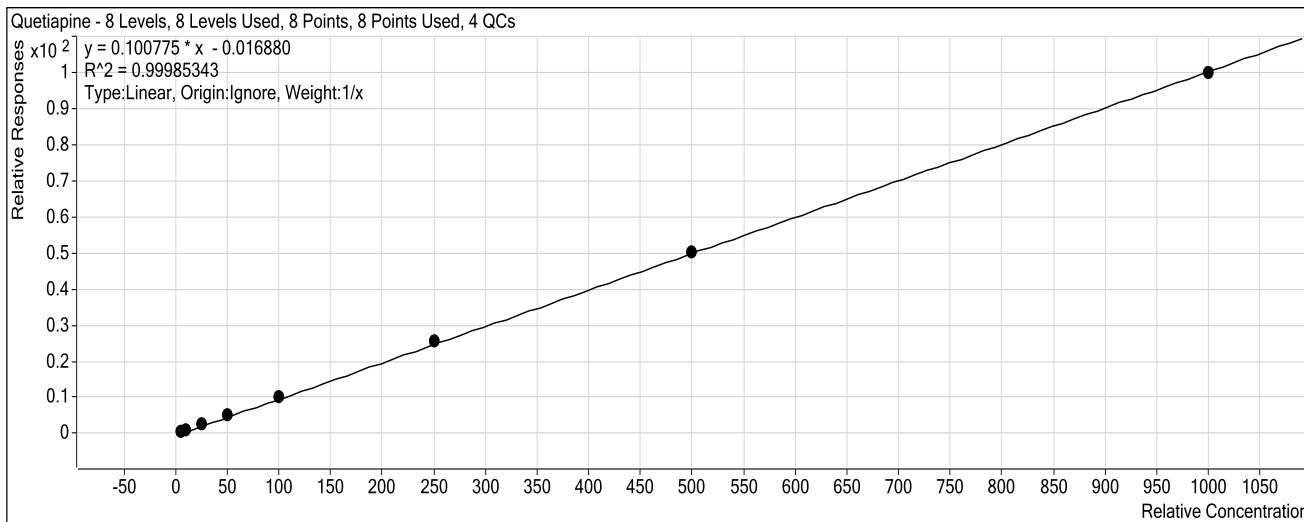
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.0	99.7
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	10.6	106.3
b QC 10 ( QC1).d	2	<input checked="" type="checkbox"/>	10	9.9	98.7
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	22.5	90.2
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	44.9	89.7
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	100.3	100.3
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	91.3	91.3
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	253.9	101.6
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	257.8	103.1
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	525.2	105.0
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1071.7	107.2
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	1036.0	103.6

# ISP Forensics Calibration Curve Report

CS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P1b 110218 CS.batch.bin  
**Last Calib Update** 11/9/2018 12:16 PM **Analyst Name** ISP TOX

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



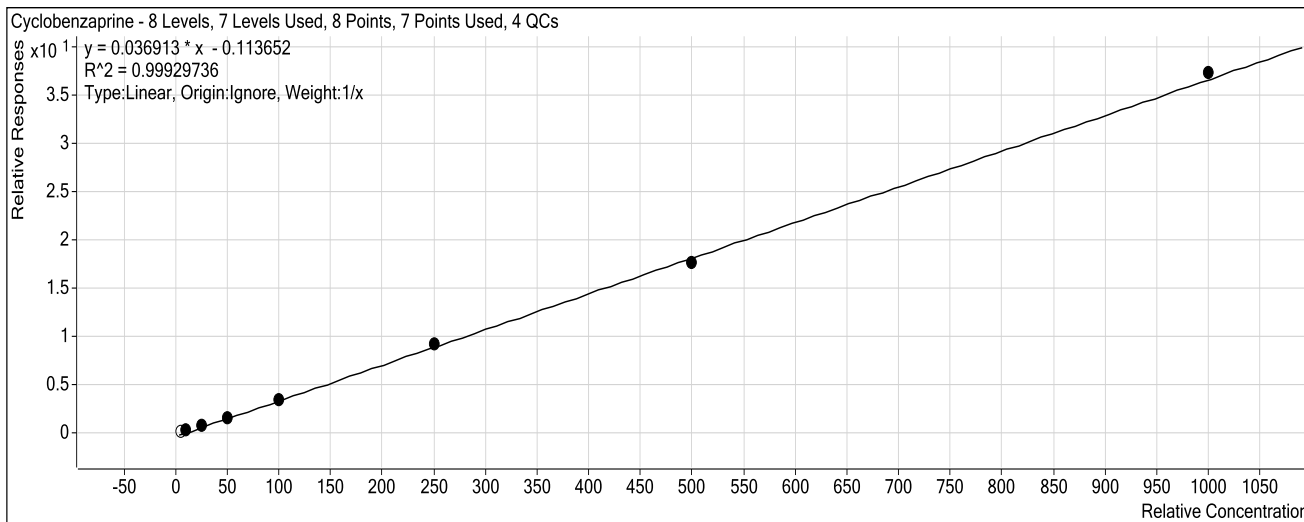
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.1	101.2
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.6	95.7
b QC 10 ( QC1).d	2	<input checked="" type="checkbox"/>	10	10.7	107.3
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	24.6	98.5
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	51.7	103.3
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	99.6	99.6
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	102.6	102.6
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	255.9	102.4
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	272.0	108.8
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	499.5	99.9
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	994.0	99.4
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	989.1	98.9

# ISP Forensics Calibration Curve Report

CS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P1b 110218 CS.batch.bin  
**Last Calib Update** 11/9/2018 12:16 PM **Analyst Name** ISP TOX

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



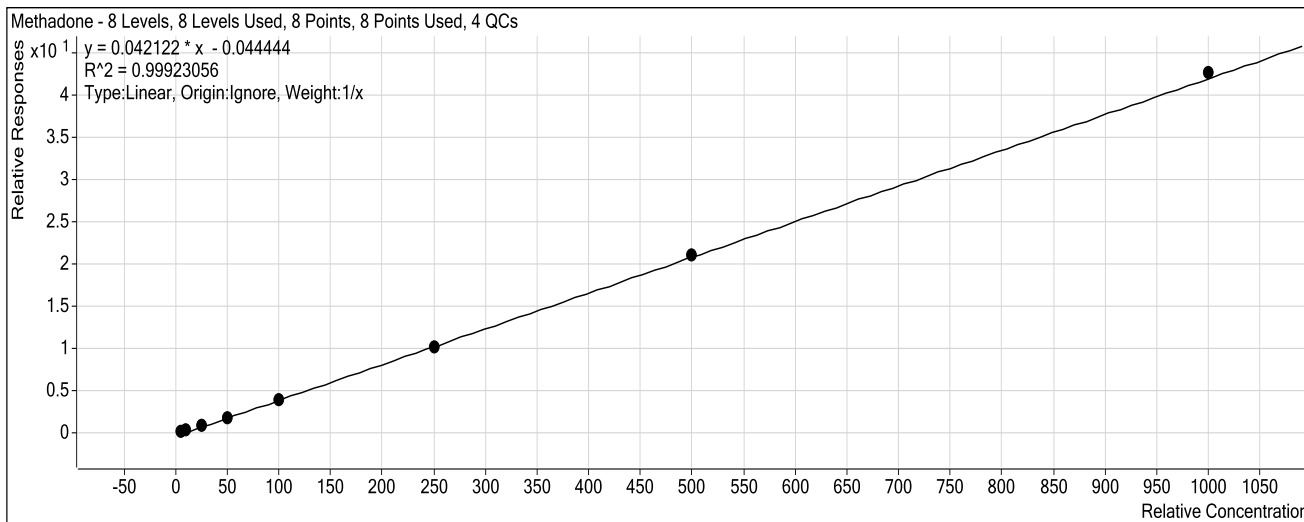
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input type="checkbox"/>	5	7.6	151.7
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	11.2	111.6
b QC 10 ( QC1).d	2	<input checked="" type="checkbox"/>	10	12.1	121.5
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	24.0	96.2
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	47.2	94.4
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	97.9	97.9
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	95.2	95.2
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	253.2	101.3
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	292.7	117.1
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	484.7	96.9
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1016.8	101.7
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	1099.6	110.0

# ISP Forensics Calibration Curve Report

CS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P1b 110218 CS.batch.bin  
**Last Calib Update** 11/9/2018 12:16 PM **Analyst Name** ISP TOX

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



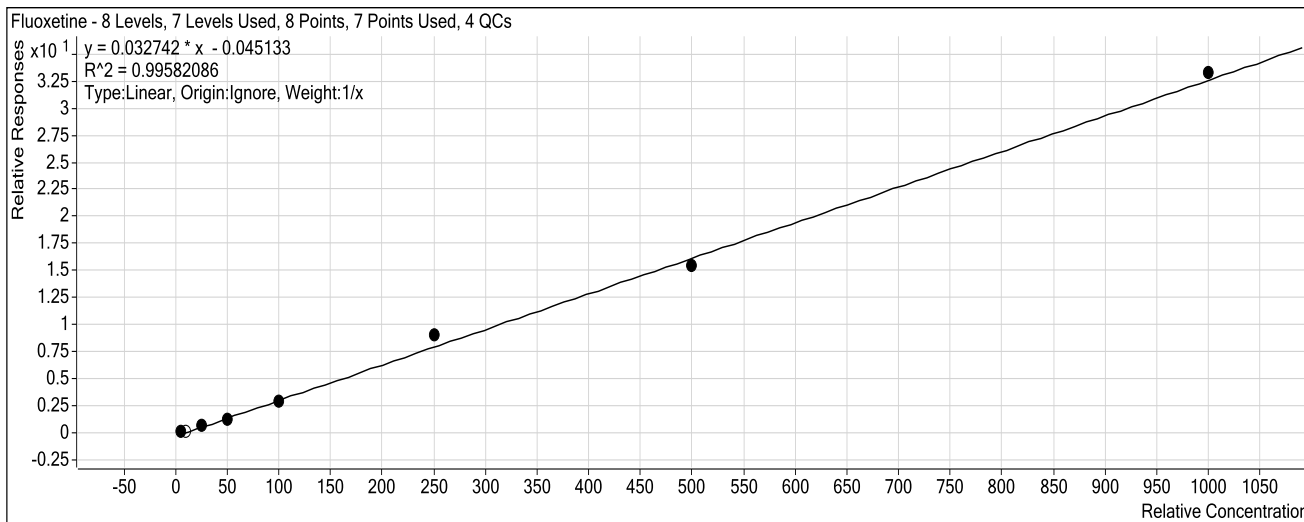
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.9	117.9
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.9	99.0
b QC 10 ( QC1).d	2	<input checked="" type="checkbox"/>	10	11.3	113.1
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	25.0	99.9
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	43.9	87.7
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	96.1	96.1
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	108.3	108.3
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	245.0	98.0
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	283.9	113.5
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	500.3	100.1
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1014.0	101.4
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	1176.8	117.7

# ISP Forensics Calibration Curve Report

CS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P1b 110218 CS.batch.bin  
**Last Calib Update** 11/9/2018 12:16 PM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	6.3	126.7
b cal 2-10ng.d	2	<input type="checkbox"/>	10	9.0	90.4
b QC 10 ( QC1).d	2	<input type="checkbox"/>	10	9.6	95.8
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	22.6	90.3
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	42.5	85.1
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	90.8	90.8
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	112.2	112.2
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	277.1	110.8
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	253.1	101.3
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	472.3	94.5
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1018.3	101.8
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	1011.7	101.2

Top of peak was getting cut off

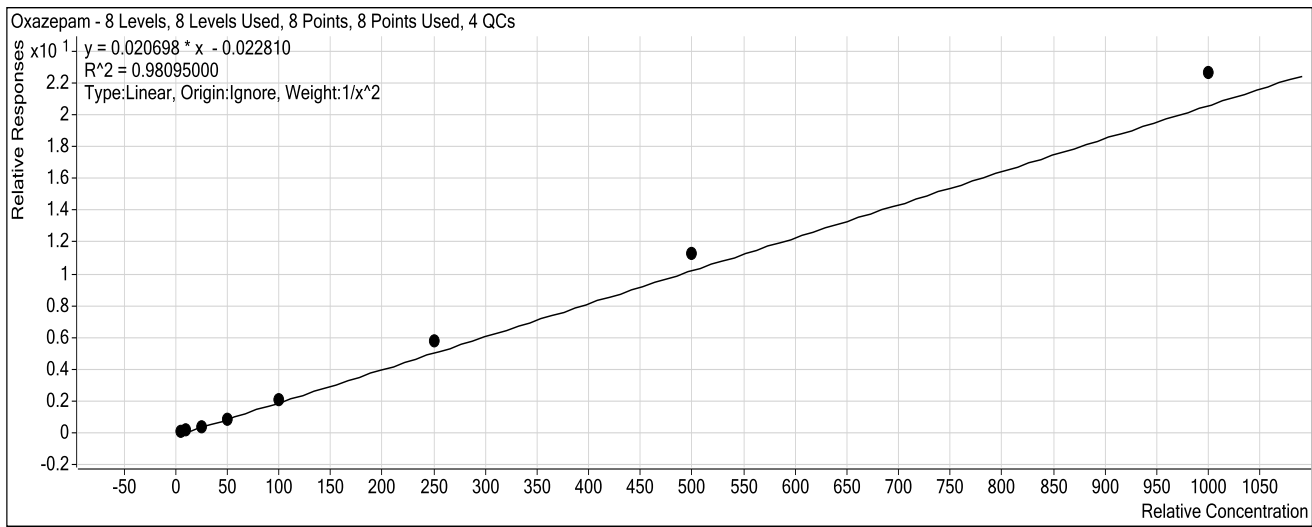


# ISP Forensics Calibration Curve Report

CS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P1b 110218 CS.batch.bin  
**Last Calib Update** 11/9/2018 12:16 PM **Analyst Name** ISP TOX

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



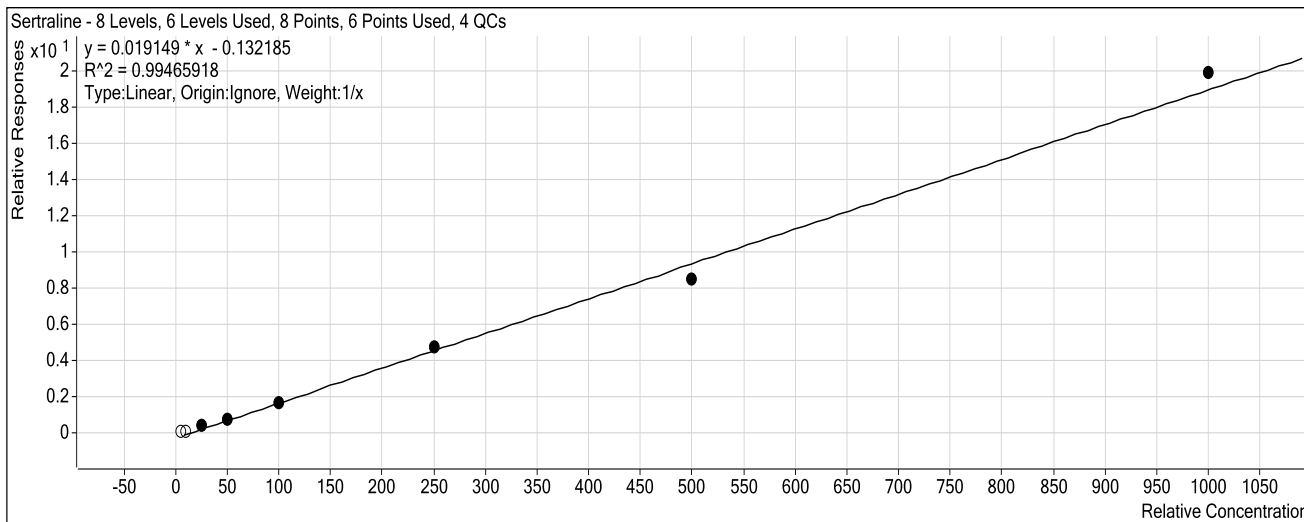
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.5	110.2
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	8.8	88.5
b QC 10 ( QC1).d	2	<input checked="" type="checkbox"/>	10	9.2	92.4
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	20.3	81.3
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	44.3	88.6
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	101.4	101.4
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	91.9	91.9
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	278.9	111.6
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	265.2	106.1
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	544.2	108.8
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1096.3	109.6
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	1085.2	108.5

# ISP Forensics Calibration Curve Report

CS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P1b 110218 CS.batch.bin  
**Last Calib Update** 11/15/2018 7:34 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input type="checkbox"/>	5	11.4	228.3
b cal 2-10ng.d	2	<input type="checkbox"/>	10	12.8	127.7
b QC 10 ( QC1).d	2	<input type="checkbox"/>	10	18.3	182.6
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	27.8	111.3
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	48.3	96.6
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	94.4	94.4
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	77.2	77.2
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	257.2	102.9
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	212.2	84.9
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	451.1	90.2
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1046.2	104.6
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	833.9	83.4

# ISP FORENSICS - Pocatello Instrument # 59740

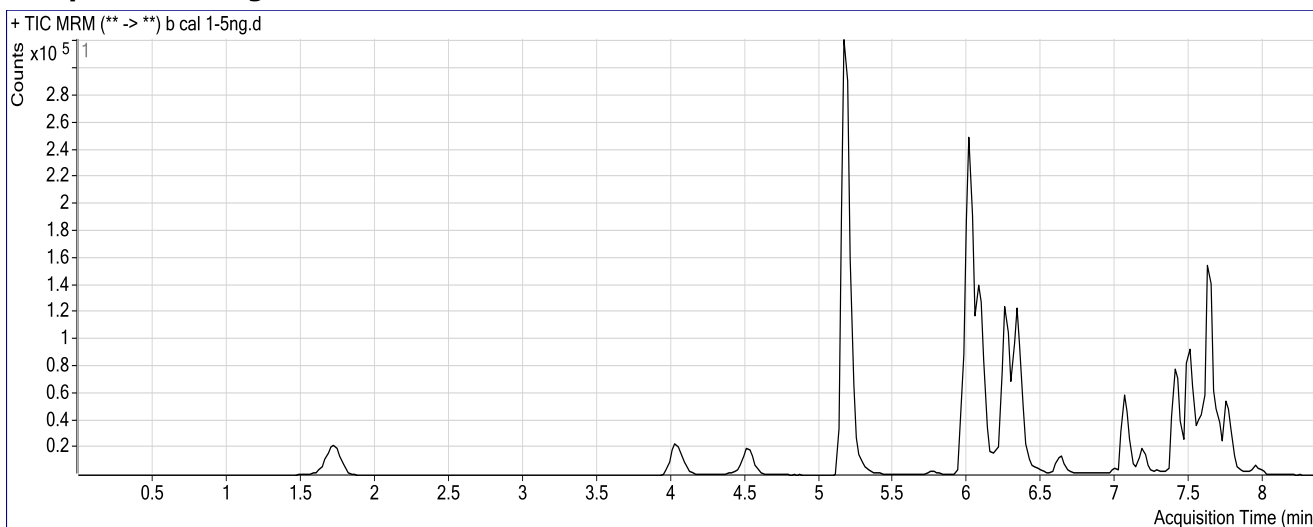
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P1b 110218 CS.batch.bin		
<b>Analysis Time</b>	11/14/2018 12:50 PM	<b>Analyst Name</b>	ISPUser
<b>Report Time</b>	11/14/2018 1:01 PM	<b>Reporter Name</b>	ISPUser
<b>Last Calib Update</b>	11/14/2018 12:50 PM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2018-11-02 18:39	<b>Data File</b>	b cal 1-5ng.d
<b>Sample Type</b>	Calibration	<b>Sample Name</b>	b cal 1-5ng.d
<b>Dilution</b>	1	<b>Acq Method</b>	MD Quant Panel 1b 7-11-18.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	1.728	16255	152066	0.1069	6.2121
Dihydrocodeine	Dihydrocodeine-D6	4.071	10903	116843	0.0933	5.6166
Noroxycodone	Noroxycodone-D3	4.553	12840	104862	0.1225	5.7597
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.201	124393	1229110	0.1012	5.1799
Benzoylcegonine	Benzoylcegonine-d8	5.791	772	9918	0.0778	30.3324
Ketamine	Ketamine-D4	6.002	63457	272013	0.2333	5.0086
Norfentanyl	Norfentanyl-D5	6.044	6557	759846	0.0086	0.6793
Cocaine	Cocaine-d3	6.252	23430	420260	0.0558	4.5880
alpha-PVP	alpha-PVP-d8	6.348	38162	380346	0.1003	5.1103
Mirtazapine	alpha-PVP-d8	6.644	25038	380346	0.0658	22.7984
Norbuprenorphine	Norbuprenorphine-D3	7.035	60	10386	0.0058	1.0183
Fentanyl	Fentanyl-D5	7.059	1497	202040	0.0074	1.3961
Mitragynine	EDDP-D3	7.176	3567	44853	0.0795	5.3121
EDDP	EDDP-D3	7.188	3321	44853	0.0740	4.9852
Quetiapine	Quetiapine-D8	7.418	84110	170600	0.4930	5.0598
Cyclobenzaprine	Cyclobenzaprine-D3	7.472	3739	22476	0.1663	7.5854
Methadone	Methadone-D9	7.502	45693	224213	0.2038	5.8932
Fluoxetine	Fluoxetine-D6	7.542	5259	32416	0.1622	6.3335
Oxazepam	Oxazepam-D5	7.588	5246	57494	0.0913	5.5109

cg

# ISP FORENSICS - Pocatello Instrument # 59740

## Multi-Drug Confirmatory Analysis Report Cal 1- 5ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Sertraline	Sertraline-D3	7.625	1001	11588	0.0864	11.4140
Buprenorphine	Buprenorphine-D4	7.637	1155	74606	0.0155	2.0089
Temazepam	Temazepam-D5	7.647	33086	373153	0.0887	5.8595
Nordiazepam	Nordiazepam-D5	7.715	11336	85185	0.1331	6.4602
Diazepam	Diazepam-D5	7.771	13450	130540	0.1030	5.9864

# ISP FORENSICS - Pocatello Instrument # 59740

## Multi-Drug Confirmatory Analysis Report

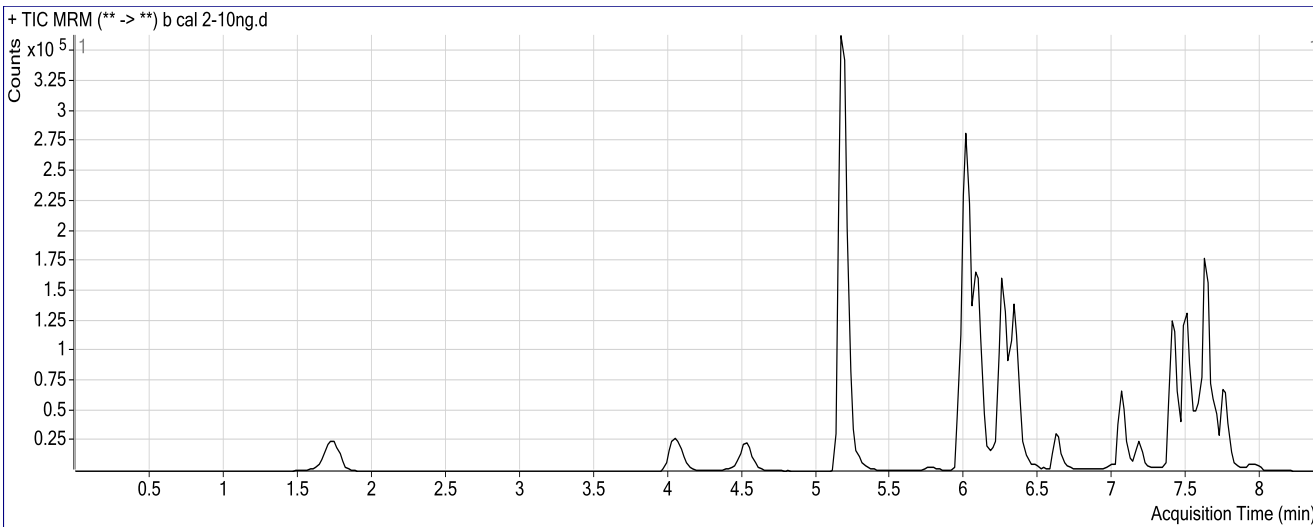
CS

**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P1b 110218 CS.batch.bin  
**Analysis Time** 11/14/2018 12:50 PM **Analyst Name** ISPUser  
**Report Time** 11/14/2018 1:01 PM **Reporter Name** ISPUser  
**Last Calib Update** 11/14/2018 12:50 PM **Batch State** Processed

**Analysis Info**

**Acq Time** 2018-11-02 19:11 **Data File** b cal 2-10ng.d  
**Sample Type** Calibration **Sample Name** b cal 2-10ng.d  
**Dilution** 1 **Acq Method** MD Quant Panel 1b 7-11-18.m  
**Position** P1-B1 **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	1.728	34230	161782	0.2116	9.8399
Dihydrocodeine	Dihydrocodeine-D6	4.091	22157	128620	0.1723	9.4121
Noroxycodone	Noroxycodone-D3	4.553	28929	112276	0.2577	10.0594
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.201	266980	1293366	0.2064	9.6597
Benzoylcegonine	Benzoylcegonine-d8	5.791	1536	10697	0.1436	32.9682
Ketamine	Ketamine-D4	6.002	128220	318095	0.4031	9.5464
Norfentanyl	Norfentanyl-D5	6.064	15256	788984	0.0193	1.1075
Cocaine	Cocaine-d3	6.252	47622	478915	0.0994	8.7084
alpha-PVP	alpha-PVP-d8	6.368	73026	383947	0.1902	9.5515
Mirtazapine	alpha-PVP-d8	6.624	57357	383947	0.1494	25.8248
Norbuprenorphine	Norbuprenorphine-D3	6.994	236	12759	0.0185	1.6864
Fentanyl	Fentanyl-D5	7.079	3892	222321	0.0175	1.9453
Mitragynine	EDDP-D3	7.176	6855	48087	0.1425	9.2790
EDDP	EDDP-D3	7.188	10270	48087	0.2136	10.6313
Quetiapine	Quetiapine-D8	7.418	184633	194919	0.9472	9.5669
Cyclobenzaprine	Cyclobenzaprine-D3	7.472	7330	24570	0.2983	11.1609
Methadone	Methadone-D9	7.502	101374	272017	0.3727	9.9026
Fluoxetine	Fluoxetine-D6	7.542	11529	45973	0.2508	9.0377
Oxazepam	Oxazepam-D5	7.588	10179	63515	0.1603	8.8451

CS

**ISP FORENSICS - Pocatello Instrument # 59740**  
**Multi-Drug Confirmatory Analysis Report**      Cal 2- 10ng

<b>Compound</b>	<b>ISTD Compound</b>	<b>RT</b>	<b>Response</b>	<b>ISTD Resp</b>	<b>Resp Ratio</b>	<b>Final Conc</b>
Sertraline	Sertraline-D3	7.625	1310	11665	0.1123	12.7677
Buprenorphine	Buprenorphine-D4	7.637	2888	84214	0.0343	2.4234
Temazepam	Temazepam-D5	7.647	73995	389169	0.1901	10.3420
Nordiazepam	Nordiazepam-D5	7.715	30503	92885	0.3284	11.0476
Diazepam	Diazepam-D5	7.771	28851	138051	0.2090	9.7385

# ISP FORENSICS - Pocatello Instrument # 59740

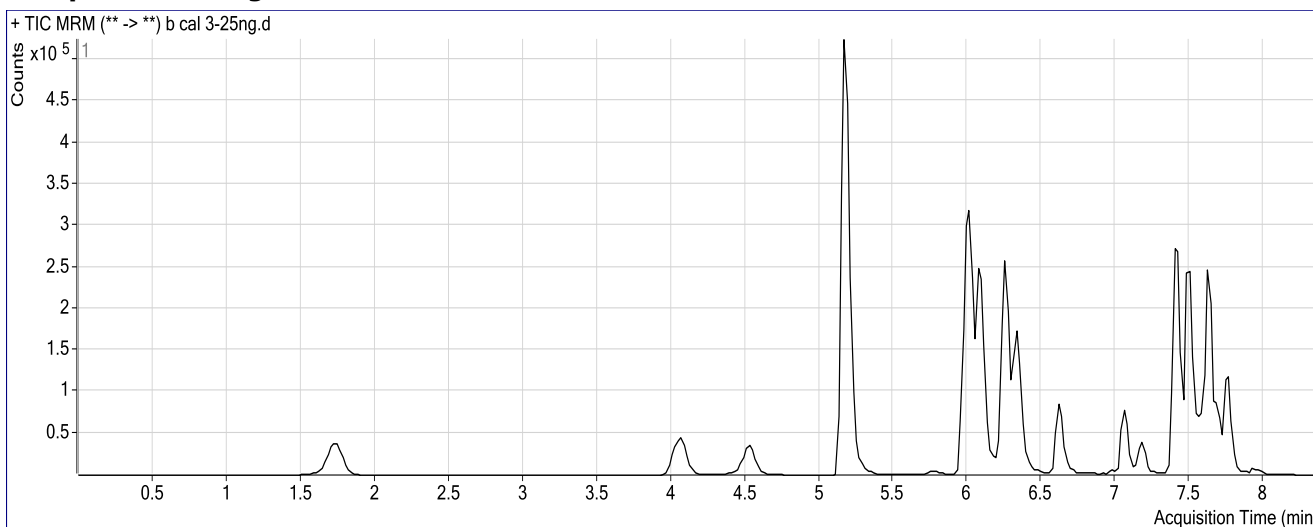
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P1b 110218 CS.batch.bin		
<b>Analysis Time</b>	11/14/2018 12:50 PM	<b>Analyst Name</b>	ISPUser
<b>Report Time</b>	11/14/2018 1:01 PM	<b>Reporter Name</b>	ISPUser
<b>Last Calib Update</b>	11/14/2018 12:50 PM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2018-11-02 19:42	<b>Data File</b>	b cal 3-25ng.d
<b>Sample Type</b>	Calibration	<b>Sample Name</b>	b cal 3-25ng.d
<b>Dilution</b>	1	<b>Acq Method</b>	MD Quant Panel 1b 7-11-18.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
Oxymorphone	Oxymorphone-D3	1.748	104305	178057	0.5858	22.8079
Dihydrocodeine	Dihydrocodeine-D6	4.091	66983	145493	0.4604	23.2620
Noroxycodone	Noroxycodone-D3	4.553	82001	121280	0.6761	23.3674
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.181	740769	1402843	0.5280	23.3535
Benzoylcegonine	Benzoylcegonine-d8	5.791	4004	10422	0.3842	42.6126
Ketamine	Ketamine-D4	6.002	325582	307289	1.0595	27.0893
Norfentanyl	Norfentanyl-D5	6.044	45239	784423	0.0577	2.6410
Cocaine	Cocaine-d3	6.252	144365	509027	0.2836	26.0797
alpha-PVP	alpha-PVP-d8	6.348	170359	343364	0.4961	24.6722
Mirtazapine	alpha-PVP-d8	6.624	163528	343364	0.4763	37.6636
Norbuprenorphine	Norbuprenorphine-D3	6.994	474	15609	0.0303	2.3064
Fentanyl	Fentanyl-D5	7.059	7812	259447	0.0301	2.6314
Mitragynine	EDDP-D3	7.156	18966	59780	0.3173	20.2788
EDDP	EDDP-D3	7.188	30363	59780	0.5079	22.5432
Quetiapine	Quetiapine-D8	7.418	565730	229542	2.4646	24.6239
Cyclobenzaprine	Cyclobenzaprine-D3	7.452	20407	26372	0.7738	24.0422
Methadone	Methadone-D9	7.502	321362	319111	1.0071	24.9629
Fluoxetine	Fluoxetine-D6	7.542	34888	50259	0.6942	22.5793
Oxazepam	Oxazepam-D5	7.588	23945	60192	0.3978	20.3222

cg

# ISP FORENSICS - Pocatello Instrument # 59740

## Multi-Drug Confirmatory Analysis Report Cal 3- 25ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Sertraline	Sertraline-D3	7.604	5678	14170	0.4007	27.8298
Buprenorphine	Buprenorphine-D4	7.637	8163	96234	0.0848	3.5366
Temazepam	Temazepam-D5	7.627	192853	397971	0.4846	23.3499
Nordiazepam	Nordiazepam-D5	7.715	79759	92238	0.8647	23.6438
Diazepam	Diazepam-D5	7.771	92633	152307	0.6082	23.8747



# ISP FORENSICS - Pocatello Instrument # 59740

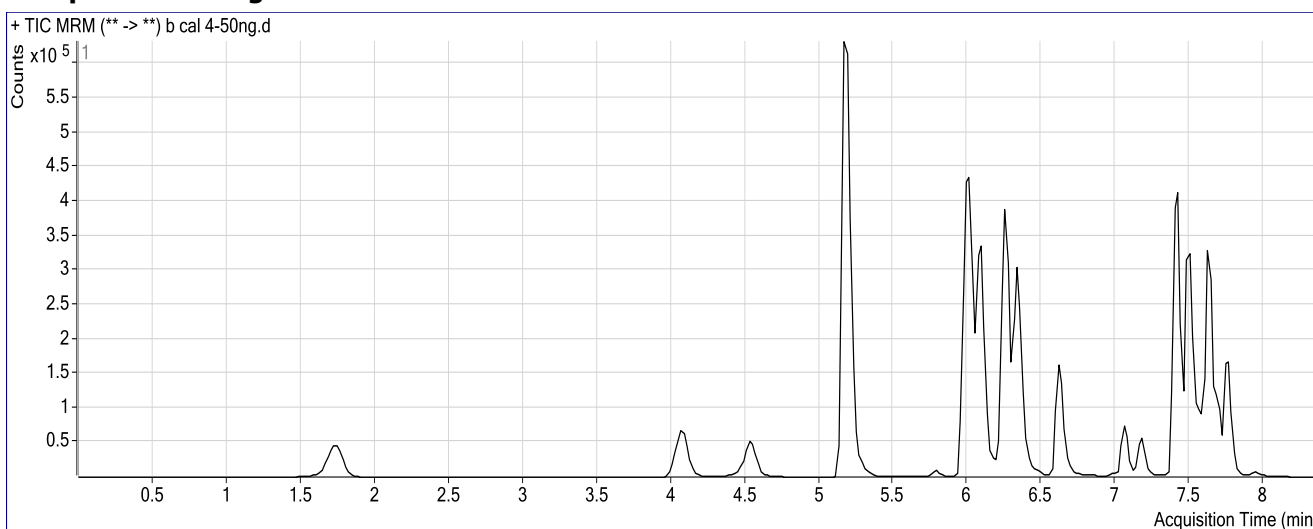
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P1b 110218 CS.batch.bin		
<b>Analysis Time</b>	11/14/2018 12:50 PM	<b>Analyst Name</b>	ISPUser
<b>Report Time</b>	11/14/2018 1:01 PM	<b>Reporter Name</b>	ISPUser
<b>Last Calib Update</b>	11/14/2018 12:50 PM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2018-11-02 20:14	<b>Data File</b>	b cal 4-50ng.d
<b>Sample Type</b>	Calibration	<b>Sample Name</b>	b cal 4-50ng.d
<b>Dilution</b>	1	<b>Acq Method</b>	MD Quant Panel 1b 7-11-18.m
<b>Position</b>	P1-D1	<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	1.748	178083	145851	1.2210	44.8198
Dihydrocodeine	Dihydrocodeine-D6	4.091	123549	127357	0.9701	47.7644
Noroxycodone	Noroxycodone-D3	4.553	156708	113724	1.3780	45.6863
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.201	1403820	1288900	1.0892	47.2439
Benzoylcegonine	Benzoylcegonine-d8	5.791	7774	10429	0.7454	57.0922
Ketamine	Ketamine-D4	6.002	746853	376368	1.9844	51.8047
Norfentanyl	Norfentanyl-D5	6.044	82813	771621	0.1073	4.6270
Cocaine	Cocaine-d3	6.252	292295	514655	0.5679	52.8978
alpha-PVP	alpha-PVP-d8	6.348	428205	416385	1.0284	50.9767
Mirtazapine	alpha-PVP-d8	6.624	323293	416385	0.7764	48.5357
Norbuprenorphine	Norbuprenorphine-D3	6.974	1347	11982	0.1124	6.6076
Fentanyl	Fentanyl-D5	7.059	15198	225381	0.0674	4.6624
Mitragynine	EDDP-D3	7.156	42899	52623	0.8152	51.6299
EDDP	EDDP-D3	7.188	55739	52623	1.0592	44.8546
Quetiapine	Quetiapine-D8	7.418	922776	177794	5.1901	51.6696
Cyclobenzaprine	Cyclobenzaprine-D3	7.472	43339	26599	1.6293	47.2192
Methadone	Methadone-D9	7.502	515829	286102	1.8030	43.8578
Fluoxetine	Fluoxetine-D6	7.542	80234	59549	1.3474	42.5294
Oxazepam	Oxazepam-D5	7.568	52100	58267	0.8942	44.3030

CS

**ISP FORENSICS - Pocatello Instrument # 59740**  
**Multi-Drug Confirmatory Analysis Report** Cal 4- 50ng

<b>Compound</b>	<b>ISTD Compound</b>	<b>RT</b>	<b>Response</b>	<b>ISTD Resp</b>	<b>Resp Ratio</b>	<b>Final Conc</b>
Sertraline	Sertraline-D3	7.604	15885	20043	0.7926	48.2922
Buprenorphine	Buprenorphine-D4	7.637	14422	77321	0.1865	5.7773
Temazepam	Temazepam-D5	7.627	387747	385916	1.0047	46.3284
Nordiazepam	Nordiazepam-D5	7.715	154004	81049	1.9001	47.9628
Diazepam	Diazepam-D5	7.771	165501	129347	1.2795	47.6463

# ISP FORENSICS - Pocatello Instrument # 59740

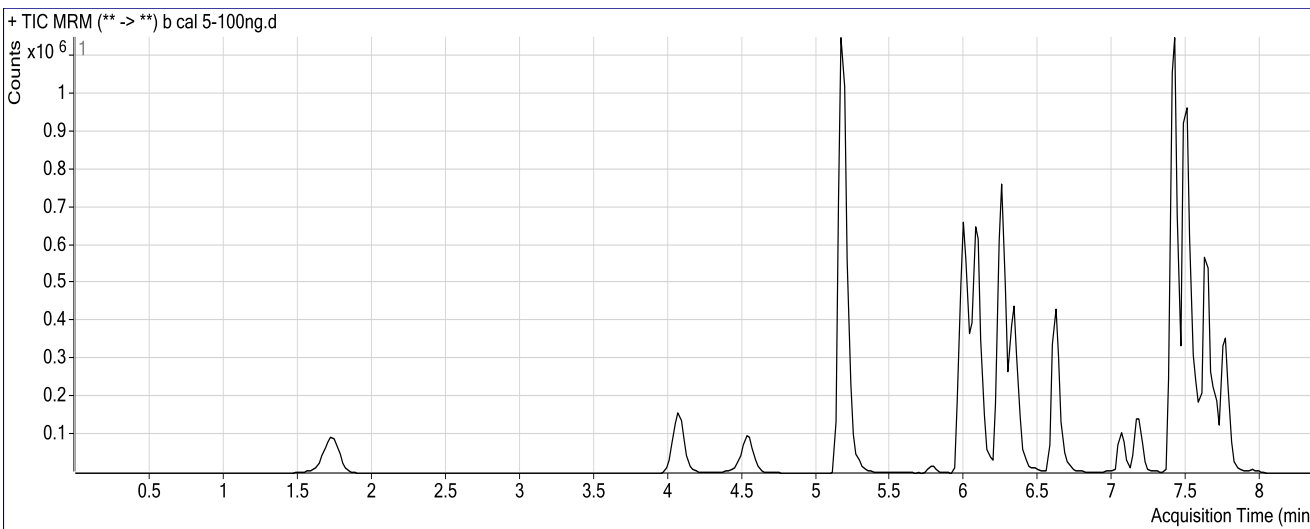
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P1b 110218 CS.batch.bin		
<b>Analysis Time</b>	11/14/2018 12:50 PM	<b>Analyst Name</b>	ISPUser
<b>Report Time</b>	11/14/2018 1:01 PM	<b>Reporter Name</b>	ISPUser
<b>Last Calib Update</b>	11/14/2018 12:50 PM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2018-11-02 20:45	<b>Data File</b>	b cal 5-100ng.d
<b>Sample Type</b>	Calibration	<b>Sample Name</b>	b cal 5-100ng.d
<b>Dilution</b>	1	<b>Acq Method</b>	MD Quant Panel 1b 7-11-18.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	1.728	475228	178723	2.6590	94.6529
Dihydrocodeine	Dihydrocodeine-D6	4.071	327743	155689	2.1051	102.3247
Noroxycodone	Noroxycodone-D3	4.553	376505	126013	2.9878	96.8817
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.181	3260288	1435292	2.2715	97.5848
Benzoylcegonine	Benzoylcegonine-d8	5.771	21684	12288	1.7646	97.9406
Ketamine	Ketamine-D4	6.002	1392394	359422	3.8740	102.3029
Norfentanyl	Norfentanyl-D5	6.044	186910	861398	0.2170	9.0134
Cocaine	Cocaine-d3	6.252	688560	599203	1.1491	107.7146
alpha-PVP	alpha-PVP-d8	6.348	753513	366373	2.0567	101.7974
Mirtazapine	alpha-PVP-d8	6.624	872263	366373	2.3808	106.6449
Norbuprenorphine	Norbuprenorphine-D3	6.994	3120	17336	0.1799	10.1486
Fentanyl	Fentanyl-D5	7.079	47831	313066	0.1528	9.3070
Mitragynine	EDDP-D3	7.156	139078	76706	1.8131	114.4589
EDDP	EDDP-D3	7.188	186393	76706	2.4300	100.3296
Quetiapine	Quetiapine-D8	7.418	2722220	271601	10.0229	99.6251
Cyclobenzaprine	Cyclobenzaprine-D3	7.472	145194	41488	3.4996	97.8876
Methadone	Methadone-D9	7.502	1820087	454774	4.0022	96.0681
Fluoxetine	Fluoxetine-D6	7.542	279636	95488	2.9285	90.8196
Oxazepam	Oxazepam-D5	7.588	118002	56833	2.0763	101.4184

CS

**ISP FORENSICS - Pocatello Instrument # 59740**  
**Multi-Drug Confirmatory Analysis Report** Cal 5- 100ng

<b>Compound</b>	<b>ISTD Compound</b>	<b>RT</b>	<b>Response</b>	<b>ISTD Resp</b>	<b>Resp Ratio</b>	<b>Final Conc</b>
Sertraline	Sertraline-D3	7.604	51792	30923	1.6749	94.3701
Buprenorphine	Buprenorphine-D4	7.637	42828	110856	0.3863	10.1797
Temazepam	Temazepam-D5	7.647	908757	431310	2.1070	95.0208
Nordiazepam	Nordiazepam-D5	7.715	348237	84777	4.1077	99.8100
Diazepam	Diazepam-D5	7.771	424746	165779	2.5621	93.0641

# ISP FORENSICS - Pocatello Instrument # 59740

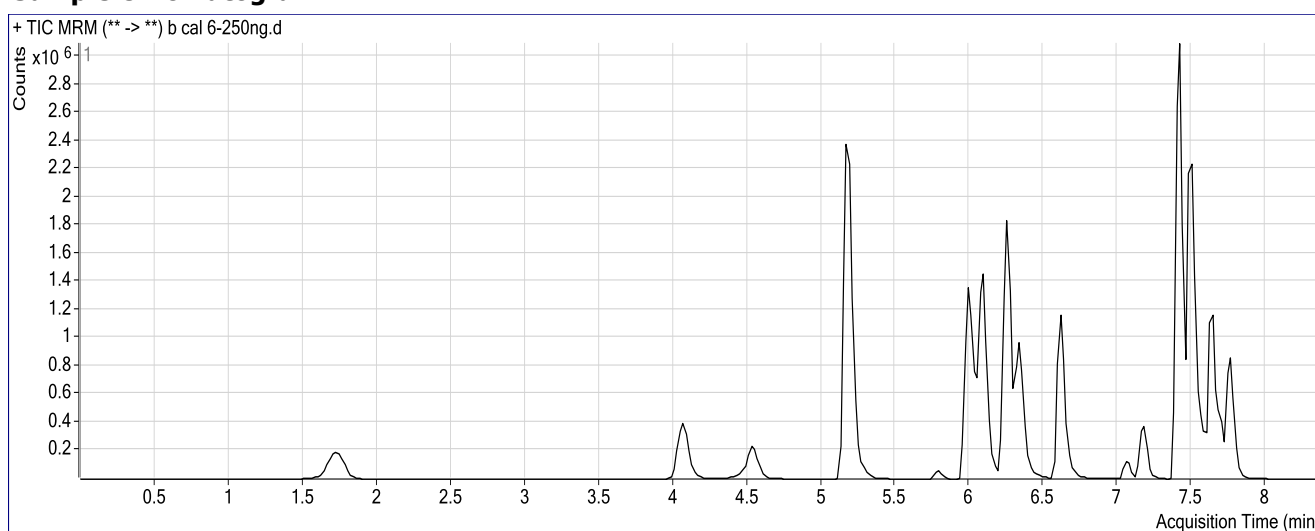
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P1b 110218 CS.batch.bin		
<b>Analysis Time</b>	11/14/2018 12:50 PM	<b>Analyst Name</b>	ISPUser
<b>Report Time</b>	11/14/2018 1:01 PM	<b>Reporter Name</b>	ISPUser
<b>Last Calib Update</b>	11/14/2018 12:50 PM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2018-11-02 21:17	<b>Data File</b>	b cal 6-250ng.d
<b>Sample Type</b>	Calibration	<b>Sample Name</b>	b cal 6-250ng.d
<b>Dilution</b>	1	<b>Acq Method</b>	MD Quant Panel 1b 7-11-18.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	1.728	1161225	165667	7.0094	245.4104
Dihydrocodeine	Dihydrocodeine-D6	4.071	869635	164477	5.2873	255.2931
Noroxycodone	Noroxycodone-D3	4.533	974469	125186	7.7842	249.4112
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.181	8447584	1443055	5.8540	250.1138
Benzoylcegonine	Benzoylcegonine-d8	5.791	66807	14173	4.7136	216.1425
Ketamine	Ketamine-D4	6.002	3725621	390663	9.5367	253.6326
Norfentanyl	Norfentanyl-D5	6.044	523958	822858	0.6368	25.8041
Cocaine	Cocaine-d3	6.252	1877737	666363	2.8179	265.1118
alpha-PVP	alpha-PVP-d8	6.348	1896616	370539	5.1185	253.1206
Mirtazapine	alpha-PVP-d8	6.624	2324705	370539	6.2738	247.6474
Norbuprenorphine	Norbuprenorphine-D3	6.994	7777	14635	0.5314	28.5735
Fentanyl	Fentanyl-D5	7.079	118707	285836	0.4153	23.5929
Mitragynine	EDDP-D3	7.156	374301	88289	4.2395	267.2202
EDDP	EDDP-D3	7.188	549602	88289	6.2250	253.9143
Quetiapine	Quetiapine-D8	7.418	7257023	281546	25.7756	255.9406
Cyclobenzaprine	Cyclobenzaprine-D3	7.472	332590	36023	9.2328	253.2034
Methadone	Methadone-D9	7.502	4794899	466545	10.2775	245.0451
Fluoxetine	Fluoxetine-D6	7.542	530943	58813	9.0277	277.1008
Oxazepam	Oxazepam-D5	7.588	294372	51197	5.7498	278.9023

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# ISP FORENSICS - Pocatello Instrument # 59740

## Multi-Drug Confirmatory Analysis Report Cal 6- 250ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Sertraline	Sertraline-D3	7.604	89733	18720	4.7934	257.2256
Buprenorphine	Buprenorphine-D4	7.637	94061	96231	0.9774	23.2034
Temazepam	Temazepam-D5	7.647	2346714	432697	5.4235	241.5308
Nordiazepam	Nordiazepam-D5	7.715	849234	82013	10.3549	246.5365
Diazepam	Diazepam-D5	7.771	1118761	165585	6.7564	241.5863

# ISP FORENSICS - Pocatello Instrument # 59740

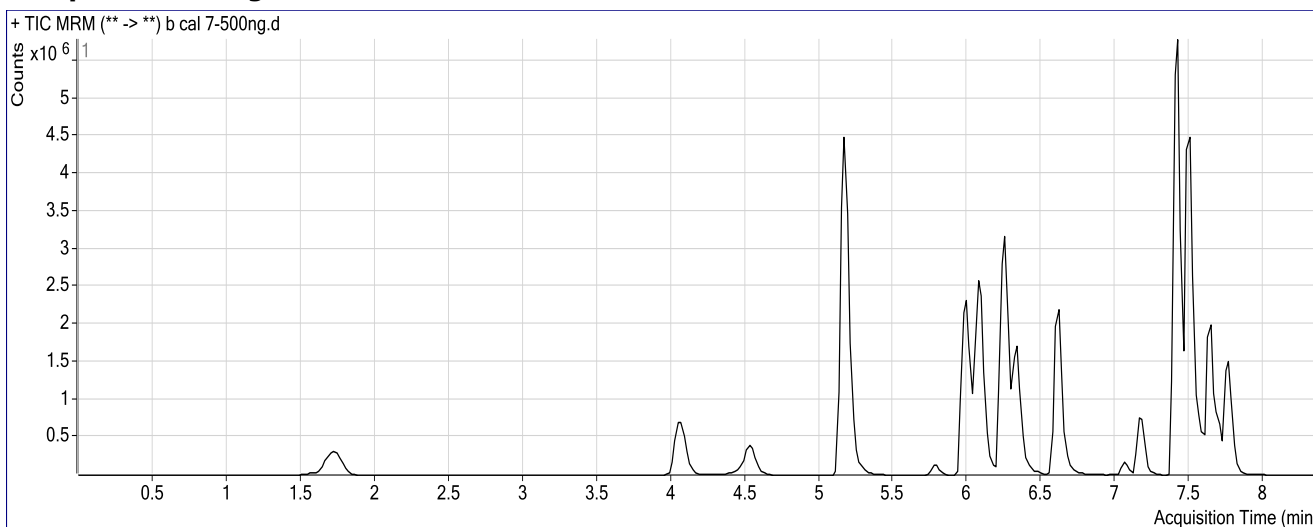
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P1b 110218 CS.batch.bin		
<b>Analysis Time</b>	11/14/2018 12:50 PM	<b>Analyst Name</b>	ISPUser
<b>Report Time</b>	11/14/2018 1:01 PM	<b>Reporter Name</b>	ISPUser
<b>Last Calib Update</b>	11/14/2018 12:50 PM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2018-11-02 21:48	<b>Data File</b>	b cal 7-500ng.d
<b>Sample Type</b>	Calibration	<b>Sample Name</b>	b cal 7-500ng.d
<b>Dilution</b>	1	<b>Acq Method</b>	MD Quant Panel 1b 7-11-18.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	1.728	2076918	138962	14.9459	520.4411
Dihydrocodeine	Dihydrocodeine-D6	4.071	1652041	156382	10.5641	508.9537
Noroxycodone	Noroxycodone-D3	4.533	1759928	108351	16.2429	518.4067
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.181	16878177	1384243	12.1931	520.0131
Benzoylcegonine	Benzoylcegonine-d8	5.771	159453	13950	11.4303	485.3562
Ketamine	Ketamine-D4	5.982	7158236	401421	17.8322	475.3244
Norfentanyl	Norfentanyl-D5	6.044	1000370	798080	1.2535	50.4725
Cocaine	Cocaine-d3	6.252	3503651	662793	5.2862	497.9208
alpha-PVP	alpha-PVP-d8	6.348	3564739	356277	10.0055	494.6459
Mirtazapine	alpha-PVP-d8	6.624	4651810	356277	13.0567	493.3166
Norbuprenorphine	Norbuprenorphine-D3	6.974	12344	14451	0.8542	45.4930
Fentanyl	Fentanyl-D5	7.059	223882	242156	0.9245	51.3049
Mitragynine	EDDP-D3	7.156	734746	97200	7.5591	476.2246
EDDP	EDDP-D3	7.188	1256596	97200	12.9280	525.1838
Quetiapine	Quetiapine-D8	7.418	13681212	271898	50.3175	499.4712
Cyclobenzaprine	Cyclobenzaprine-D3	7.472	630759	35483	17.7763	484.6562
Methadone	Methadone-D9	7.502	9622513	457571	21.0296	500.3032
Fluoxetine	Fluoxetine-D6	7.542	832047	53962	15.4190	472.3033
Oxazepam	Oxazepam-D5	7.568	580084	51609	11.2399	544.1583

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**ISP FORENSICS - Pocatello Instrument # 59740**  
**Multi-Drug Confirmatory Analysis Report** Cal 7- 500ng

<b>Compound</b>	<b>ISTD Compound</b>	<b>RT</b>	<b>Response</b>	<b>ISTD Resp</b>	<b>Resp Ratio</b>	<b>Final Conc</b>
Sertraline	Sertraline-D3	7.604	114497	13462	8.5054	451.0784
Buprenorphine	Buprenorphine-D4	7.657	162782	70286	2.3160	52.6948
Temazepam	Temazepam-D5	7.647	4304847	382263	11.2615	499.4329
Nordiazepam	Nordiazepam-D5	7.715	1437263	67968	21.1461	499.9860
Diazepam	Diazepam-D5	7.771	2098689	147589	14.2198	505.8701



# ISP FORENSICS - Pocatello Instrument # 59740

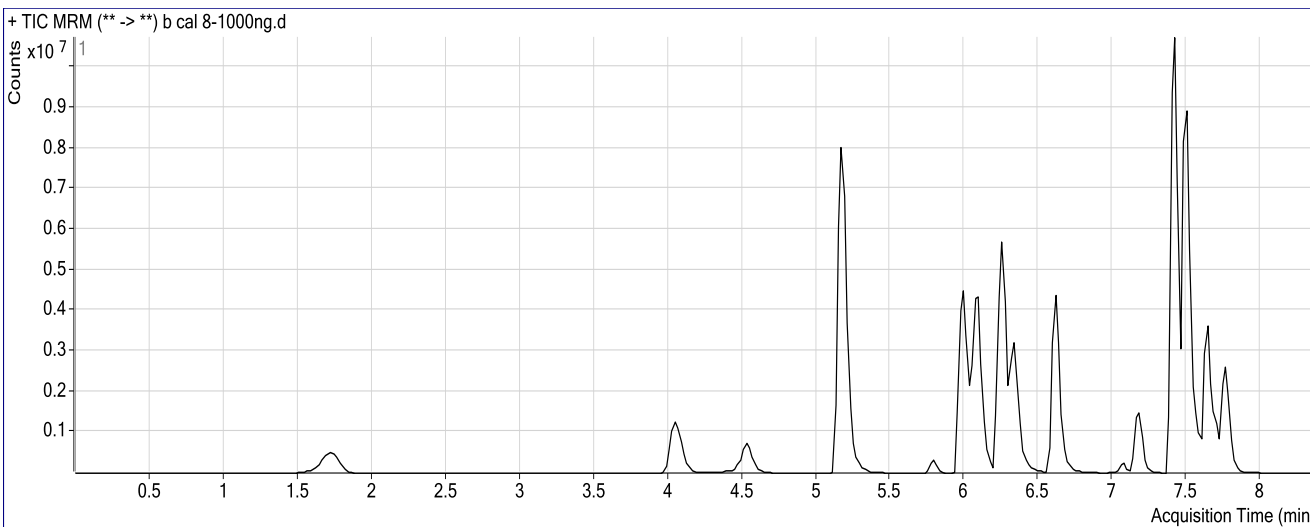
## Multi-Drug Confirmatory Analysis Report

<b>Batch Data Path</b>	C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P1b 110218 CS.batch.bin		
<b>Analysis Time</b>	11/14/2018 12:50 PM	<b>Analyst Name</b>	ISPUser
<b>Report Time</b>	11/14/2018 1:01 PM	<b>Reporter Name</b>	ISPUser
<b>Last Calib Update</b>	11/14/2018 12:50 PM	<b>Batch State</b>	Processed

### Analysis Info

<b>Acq Time</b>	2018-11-02 22:20	<b>Data File</b>	b cal 8-1000ng.d
<b>Sample Type</b>	Calibration	<b>Sample Name</b>	b cal 8-1000ng.d
<b>Dilution</b>	1	<b>Acq Method</b>	MD Quant Panel 1b 7-11-18.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
Oxymorphone	Oxymorphone-D3	1.728	3632343	126723	28.6638	995.8157
Dihydrocodeine	Dihydrocodeine-D6	4.051	3122335	152186	20.5166	987.3735
Noroxycodone	Noroxycodone-D3	4.533	3185221	102465	31.0859	990.4276
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.181	32697691	1263508	25.8785	1102.6954
Benzoylcegonine	Benzoylcegonine-d8	5.791	356454	14059	25.3549	1043.4686
Ketamine	Ketamine-D4	6.002	15006985	428022	35.0612	935.7537
Norfentanyl	Norfentanyl-D5	6.044	1801086	672101	2.6798	107.5247
Cocaine	Cocaine-d3	6.252	6454578	622711	10.3653	976.9788
alpha-PVP	alpha-PVP-d8	6.348	6955428	344975	20.1621	996.6082
Mirtazapine	alpha-PVP-d8	6.624	9193207	344975	26.6489	985.6146
Norbuprenorphine	Norbuprenorphine-D3	6.994	22110	11560	1.9127	100.9785
Fentanyl	Fentanyl-D5	7.079	398680	196425	2.0297	111.4459
Mitragynine	EDDP-D3	7.156	1263606	101857	12.4057	781.3617
EDDP	EDDP-D3	7.188	2692270	101857	26.4319	1071.6853
Quetiapine	Quetiapine-D8	7.418	26461717	264199	100.1582	994.0430
Cyclobenzaprine	Cyclobenzaprine-D3	7.472	1141860	30514	37.4203	1016.8304
Methadone	Methadone-D9	7.502	19728428	462389	42.6663	1013.9671
Fluoxetine	Fluoxetine-D6	7.542	1262878	37927	33.2972	1018.3341
Oxazepam	Oxazepam-D5	7.588	1146875	50597	22.6670	1096.2575

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**ISP FORENSICS - Pocatello Instrument # 59740**  
**Multi-Drug Confirmatory Analysis Report** Cal 8- 1000ng

<b>Compound</b>	<b>ISTD Compound</b>	<b>RT</b>	<b>Response</b>	<b>ISTD Resp</b>	<b>Resp Ratio</b>	<b>Final Conc</b>
Sertraline	Sertraline-D3	7.604	197017	9900	19.9014	1046.2038
Buprenorphine	Buprenorphine-D4	7.657	255919	44442	5.7585	128.5417
Temazepam	Temazepam-D5	7.647	8225855	357597	23.0031	1018.1357
Nordiazepam	Nordiazepam-D5	7.715	2479900	58089	42.6914	1006.0132
Diazepam	Diazepam-D5	7.771	3848578	134945	28.5196	1012.2336