

Worklist: 2391

reviewed 5/22/18

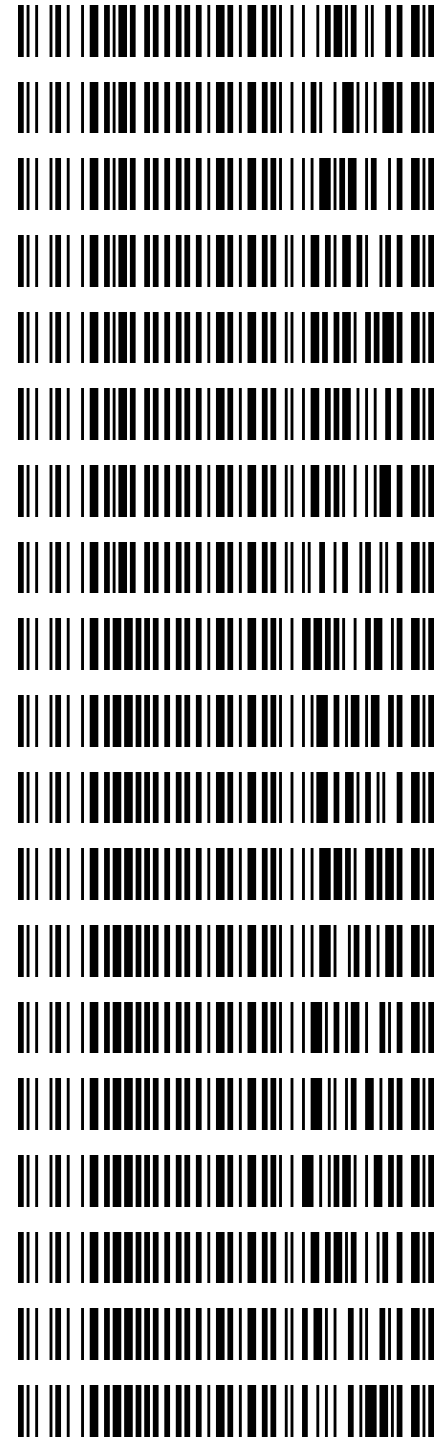
5/10/2018

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<u>LAB_CASE</u>	<u>ITEM</u>	<u>TASK_ID</u>	<u>DESCRIPTION</u>
M2018-1755	1	115545	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC
M2018-1810	2	115544	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC
M2018-1918	2	115547	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC
M2018-2062	2	115549	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC
M2018-2078	1	115551	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC
M2018-2084	12	115546	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC
M2018-2093	1	115553	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC
M2018-2226	1	115548	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC
P2018-0934	1	115555	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC
P2018-1109	2	115550	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC
P2018-1110	2	115552	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC
P2018-1126	1	115556	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC
P2018-1128	1	115558	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC
P2018-1145	1	115561	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC
P2018-1152	1	115557	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC
P2018-1171	1	115562	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC
P2018-1214	1	115554	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC
P2018-1239	1	115559	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC
P2018-1273	1	115560	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC



Worklist: 2382

reviewed 5/22/18 5/8/2018
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<u>LAB_CASE</u>	<u>ITEM</u>	<u>TASK_ID</u>	<u>DESCRIPTION</u>
M2018-1364	5	115155	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q



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

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Extraction Date: 05/10/18

Analyst: Sarah Pickle

Plate lot#: 0507680

Plate Expiration: 06/05/18

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: 361331-23

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: 3** in wells of analytical (standards) plate.
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes. *Shaker ID: 067105*
- 4. Pipette **250µL 0.5M ammonium hydroxide** in wells of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 6. Transfer **300µL of blood+base** mixture to corresponding wells of SLE+ plate.
- 7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent).
(Load at 85-100 PSI- Selector to the right) Manifold ID: 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: 051018 MDQ P1 P2 SP Batch Name: 051018 MDQP1a worklist 2391, 051018 MDQP1b worklist 2391
- 2. Make necessary changes to integration limits
- 3. Integration linear and R² 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: *Curve Range Limited: Norhydrocodone 25-1000, Lorazepam 5-250, Norfentanyl 1-100, Sufentanil 1-100, Buprenorphine 2.5-100, Fluoxetine 25-1000*
Did Not Evaluate: Norbuprenorphine

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

Extraction Date: 05/10/18
Plate lot#: 0507680

Analyst: Tamara Salazar
Plate Expiration: 06/05/18

Mobile phase A: 5mM Amm Form + 0.01% FA
0.5M Ammonium Hydroxide
Mobile phase B: 0.01% Formic Acid in MeOH
Ethyl Acetate 20% Methanol in Water
Blank Blood Lot: 361331-2
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: 3** in wells of analytical (standards) plate.
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes. *Shaker ID: 067105*
- 4. Pipette **250µL 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: *051018 MDQ P1 P2 SP* Batch Name: *051018 MDQP1a worklist 2391*
- 2. Make necessary changes to integration limits
- 3. Integration linear and R² 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: *Re-extraction of sample M2018-1364-5 to confirm amphetamine. Sample originally ran with worklist 2374, but followed another sample positive for amphetamine.*

*Curves Limited: Norhydrocodone 25-1000
Lorazepam 5-250*

Extraction was performed with Sarah Pickle acting as the primary analyst. I witness and approved of all steps performed during the extraction procedure.



Idaho State Police Forensic Services

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

Analyst: Sarah Pickle and Tamara Salazar
Extraction Date: 05/10/18
Worklist Number: 2391 and 2382

<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	0507680	06/05/2018			
Negative Blood	361331-2		12/27/17		
Methanol External Control Solution	121217	06/12/18	12/12/17		
Blood External Control Solution	WS121217	06/12/18	12/12/17		
0.5M Ammonium Hydroxide	032918	09/29/18	03/29/18		
Formic Acid (LCMS Grade)	095180B		11/15/17		
Water (LCMS Grade)	177528		03/5/18		
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	051018	Make fresh	05/10/18		
5mM Ammonium Formate + 0.01% Formic Acid in Water (Mobile Phase A)	051018		05/10/18		
0.01% Formic Acid in Methanol (Mobile Phase B)	031918		03/19/18		
Needle Rinse--75% LCMS MeOH in LCMS Water	050718		05/07/18		

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:	06/12/18		

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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:	06/12/18	

0.5M Ammonium Hydroxide (Lot: 032918)

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
Ammonium Hydroxide (ACS grade or better)	Fisher	053200
DI Water	-	-
Prepared:	03/29/18	
Prepared By:	Tamara Salazar	
Expires:	09/29/18	

20% LCMS Methanol in LCMS Water (Lot: Prepared Fresh)

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
MeOH (LCMS Grade)	Fisher	177145
Water (LCMS Grade)	Fisher	177528

5mM Ammonium Formate + 0.01% Formic Acid in Water (Lot: 051018)

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
Ammonium Formate	Arcos Organics	A0287238
LCMS Water	Fisher	177528
Formic Acid	Fisher	095180B
Prepared:	05/10/18	
Prepared By:	Sarah Pickle	

0.01% Formic Acid in LCMS Methanol (Mobile Phase B) (Lot: 031918)

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
Formic Acid	Fisher	095180B
MeOH (LCMS Grade)	Fisher	172517
Prepared:	03/19/18	
Prepared By:	Tamara Salazar	

Needle Rinse (75% LCMS MeOH in LCMS Water) (Lot: 050718)

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
MeOH (LCMS Grade)	Fisher	177145
Water (LCMS Grade)	Fisher	177528
Prepared:	05/07/18	
Prepared By:	Sarah Pickle	

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ISP FORENSICS - Pocatello Instrument # 59740

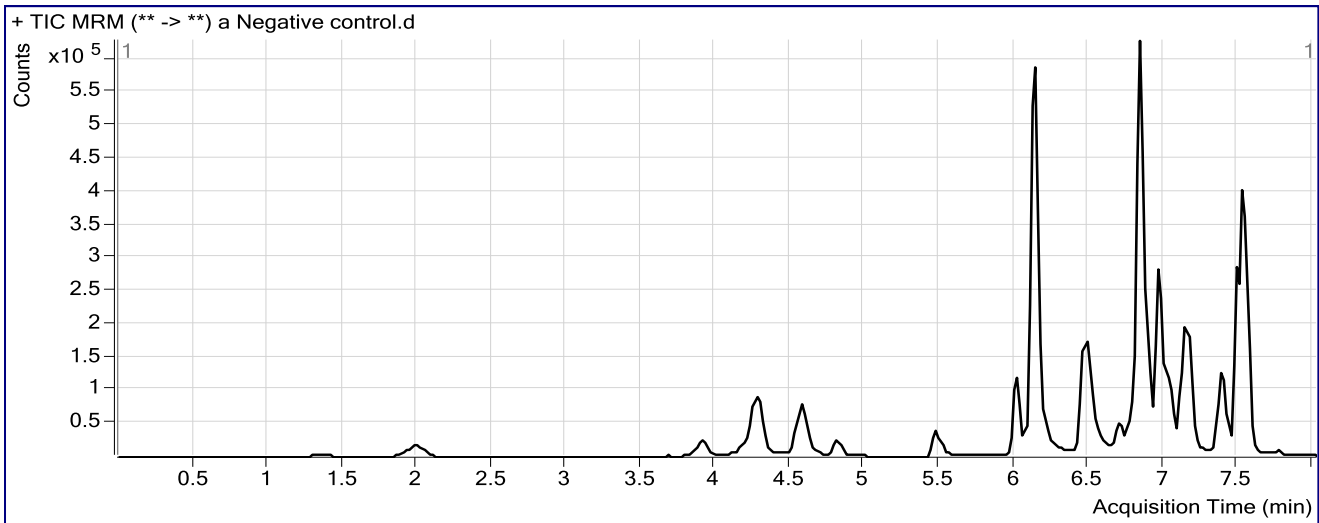
Multi-Drug Confirmatory Analysis Report

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Report Time	5/17/2018 11:47 AM	Reporter Name	ISPUser
Last Calib Update	5/17/2018 11:42 AM	Batch State	Processed

Analysis Info

Acq Time	2018-05-11 10:04	Data File	a Negative control.d
Sample Type	Sample	Sample Name	a Negative control.d
Dilution	1	Acq Method	MD Quant Panel 1a 1-19-2018.m
Position	P1-E2	Sample Info	
Inj Vol	-1	Comment	AM 28

Sample Chromatogram



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ISP FORENSICS - Pocatello Instrument # 59740

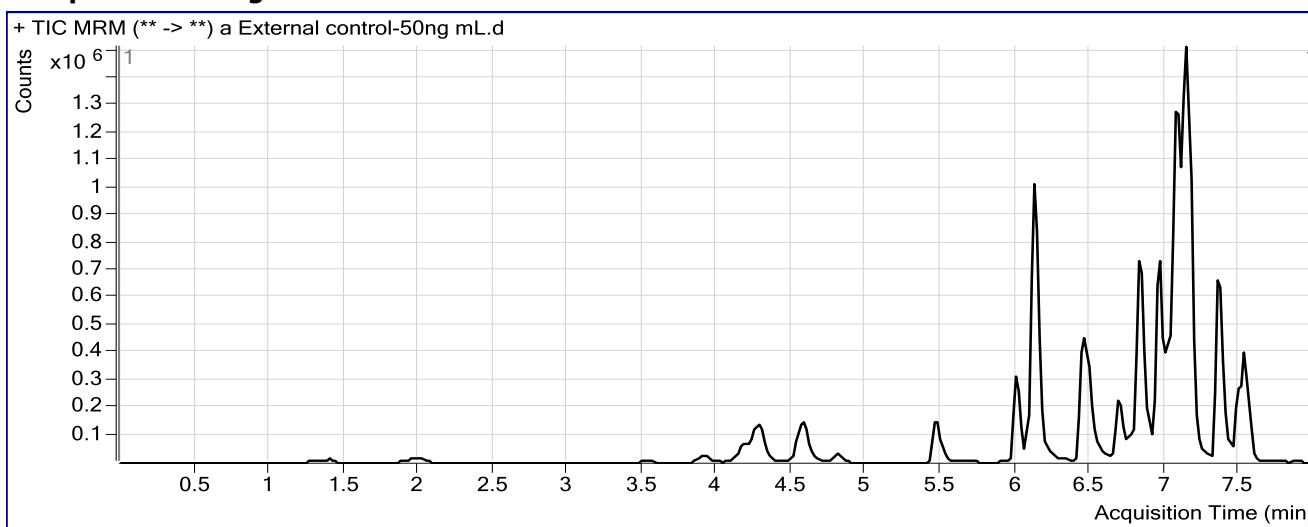
Multi-Drug Confirmatory Analysis Report

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Analysis Time	5/17/2018 11:42 AM	Analyst Name	ISPUser
Report Time	5/17/2018 11:47 AM	Reporter Name	ISPUser
Last Calib Update	5/17/2018 11:42 AM	Batch State	Processed

Analysis Info

Acq Time	2018-05-11 10:35	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 1-19-2018.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	1.368	63476	20015	3.1715	55.8215
Amphetamine	Amphetamine-D11	4.304	82465	301974	0.2731	2.5999 <5
Tramadol	Tramadol-13C-D3	6.139	25336	3543220	0.0072	0.5765 <5
Trazodone	Trazodone-D6	7.055	2001943	1343505	1.4901	47.9350

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ISP FORENSICS - Pocatello Instrument # 59740

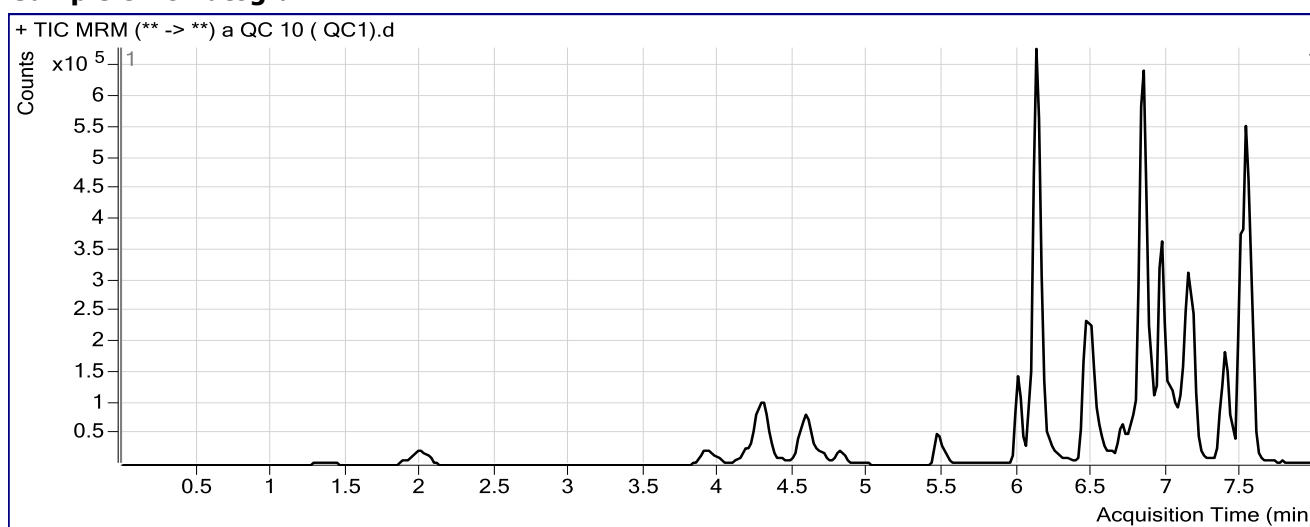
Multi-Drug Confirmatory Analysis Report

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Analysis Time 5/17/2018 11:42 AM **Analyst Name** ISPUser
Report Time 5/17/2018 11:47 AM **Reporter Name** ISPUser
Last Calib Update 5/17/2018 11:42 AM **Batch State** Processed

Analysis Info

Acq Time 2018-05-11 11:38 **Data File** a QC 10 (QC1).d
Sample Type QC **Sample Name** a QC 10 (QC1).d
Dilution 1 **Acq Method** MD Quant Panel 1a 1-19-2018.m
Position P1-A2 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.368	11067	22165	0.4993	10.7740
Hydromorphone	Hydromorphone-D6	2.009	36395	131845	0.2760	9.5736
Codeine	Codeine-D6	3.972	15049	68368	0.2201	9.7713
Oxycodone	Oxycodone-D6	4.310	119146	431936	0.2758	9.6698
Amphetamine	Amphetamine-D11	4.304	55839	72658	0.7685	9.6503
Hydrocodone	Hydrocodone-D6	4.594	39292	224865	0.1747	10.2047
Norhydrocodone	Norhydrocodone-D3	4.639	1943	49652	0.0391	15.4122
Methamphetamine	Methamphetamine-D11	4.682	47893	123713	0.3871	10.7245
6-MAM	6-MAM-D6	4.829	1724	76489	0.0225	0.7380
Phentermine	Phentermine-D5	5.506	21946	192083	0.1143	10.6378
Dextrophan	Dextrophan-D3	6.002	38921	405262	0.0960	9.0981
7-aminoclonazepam	7-Aminoclonazepam-D4	6.113	100104	450429	0.2222	9.0264
Tramadol	Tramadol-13C-D3	6.139	415972	1894397	0.2196	10.2355
Doxylamine	Doxylamine-D5	6.483	168394	936661	0.1798	9.4215
Bupropion	Bupropion-D9	6.710	41560	161540	0.2573	9.7385
Meprobamate	Meprobamate-D7	6.813	58876	225960	0.2606	9.8080
Zolpidem	Zolpidem-D6	6.862	372822	2290931	0.1627	9.2456
Venlafaxine	Venlafaxine-D6	6.966	232584	935131	0.2487	10.5653
Trazodone	Trazodone-D6	7.076	80967	283051	0.2861	9.4790
Citalopram	Citalopram-D6	7.118	64674	308447	0.2097	10.4323

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outside curve range

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

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a QC 10 (QC 1)

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Dextromethorphan	Dextromethorphan-D3	7.150	19467	79448	0.2450	9.9518
Diphenhydramine	Diphenhydramine-D3	7.153	104240	658152	0.1584	9.1913
Promethazine	Promethazine-D3	7.368	60846	232509	0.2617	10.8849
Clonazepam	Clonazepam-D4	7.405	166556	147671	1.1279	9.9440
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.460	31280	149320	0.2095	10.2333
Carisoprodol	Carisoprodol-D7	7.494	153445	554136	0.2769	11.2377
Lorazepam	Alprazolam-D5	7.523	84077	945881	0.0889	14.1631
Alprazolam	Alprazolam-D5	7.547	301691	945881	0.3190	9.7729

ISP FORENSICS - Pocatello Instrument # 59740

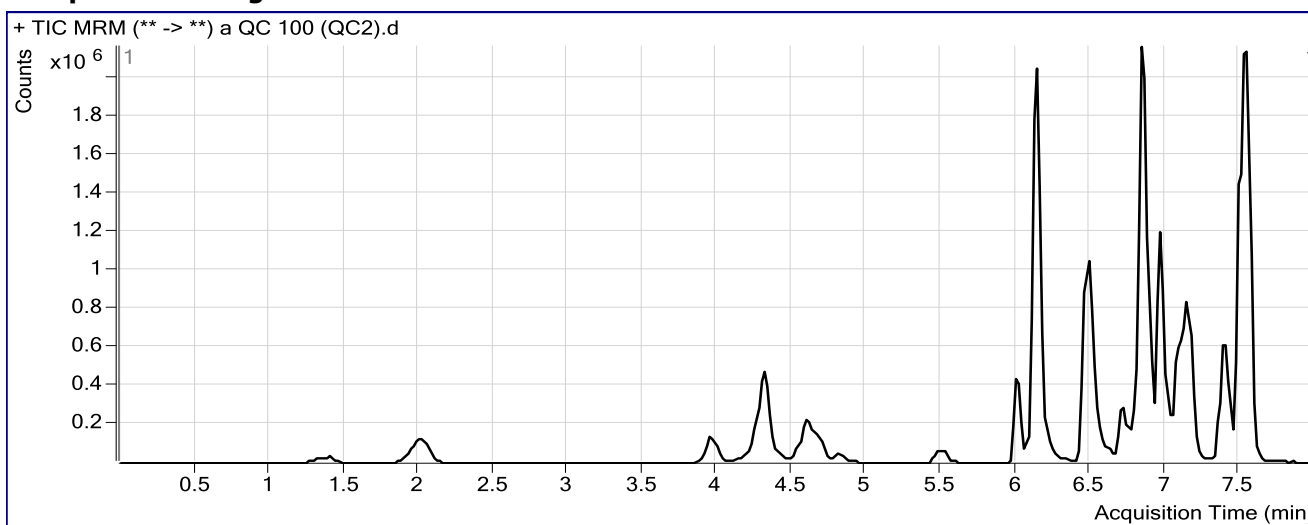
Multi-Drug Confirmatory Analysis Report

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Report Time	5/17/2018 11:48 AM	Reporter Name	ISPUser
Last Calib Update	5/17/2018 11:42 AM	Batch State	Processed

Analysis Info

Acq Time	2018-05-11 13:44	Data File	a QC 100 (QC2).d
Sample Type	QC	Sample Name	a QC 100 (QC2).d
Dilution	1	Acq Method	MD Quant Panel 1a 1-19-2018.m
Position	P1-B2	Sample Info	
Inj Vol	-1	Comment	AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.368	124132	25793	4.8126	83.4890
Hydromorphone	Hydromorphone-D6	2.029	465069	145475	3.1969	99.5867
Codeine	Codeine-D6	3.972	175431	73885	2.3744	92.1699
Oxycodone	Oxycodone-D6	4.310	1535660	475428	3.2301	102.7465
Amphetamine	Amphetamine-D11	4.324	341166	50632	6.7381	94.6029
Hydrocodone	Hydrocodone-D6	4.615	472354	249275	1.8949	104.7899
Norhydrocodone	Norhydrocodone-D3	4.639	17884	48473	0.3689	84.2407
Methamphetamine	Methamphetamine-D11	4.682	422660	118312	3.5724	93.5525
6-MAM	6-MAM-D6	4.829	19581	83790	0.2337	9.0920
Phentermine	Phentermine-D5	5.526	188935	172529	1.0951	99.2899
Dextroprphan	Dextroprphan-D3	6.002	483063	409587	1.1794	99.4733
7-aminoclonazepam	7-Aminoclonazepam-D4	6.113	1176734	472243	2.4918	107.0913
Tramadol	Tramadol-13C-D3	6.139	4422753	2026859	2.1821	99.4681
Doxylamine	Doxylamine-D5	6.483	1912517	984473	1.9427	99.3429
Bupropion	Bupropion-D9	6.730	487661	169899	2.8703	96.1019
Meprobamate	Meprobamate-D7	6.813	608157	216407	2.8102	104.4046
Zolpidem	Zolpidem-D6	6.862	4654075	2445064	1.9035	98.5938
Venlafaxine	Venlafaxine-D6	6.966	2384394	946678	2.5187	95.2330
Trazodone	Trazodone-D6	7.076	884298	283528	3.1189	99.9581
Citalopram	Citalopram-D6	7.118	608562	272183	2.2359	92.1612

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ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report a QC 100 (QC 2)

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Dextromethorphan	Dextromethorphan-D3	7.150	176459	60297	2.9265	103.0843
Diphenhydramine	Diphenhydramine-D3	7.173	946571	519002	1.8238	95.3552
Promethazine	Promethazine-D3	7.368	529683	197419	2.6830	94.8801
Clonazepam	Clonazepam-D4	7.405	1400510	113168	12.3755	104.2529
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.460	290374	129653	2.2396	99.4215
Carisoprodol	Carisoprodol-D7	7.514	1531925	538800	2.8432	107.7065
Lorazepam	Alprazolam-D5	7.523	482490	912111	0.5290	105.4730
Alprazolam	Alprazolam-D5	7.547	3117353	912111	3.4177	97.0329

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

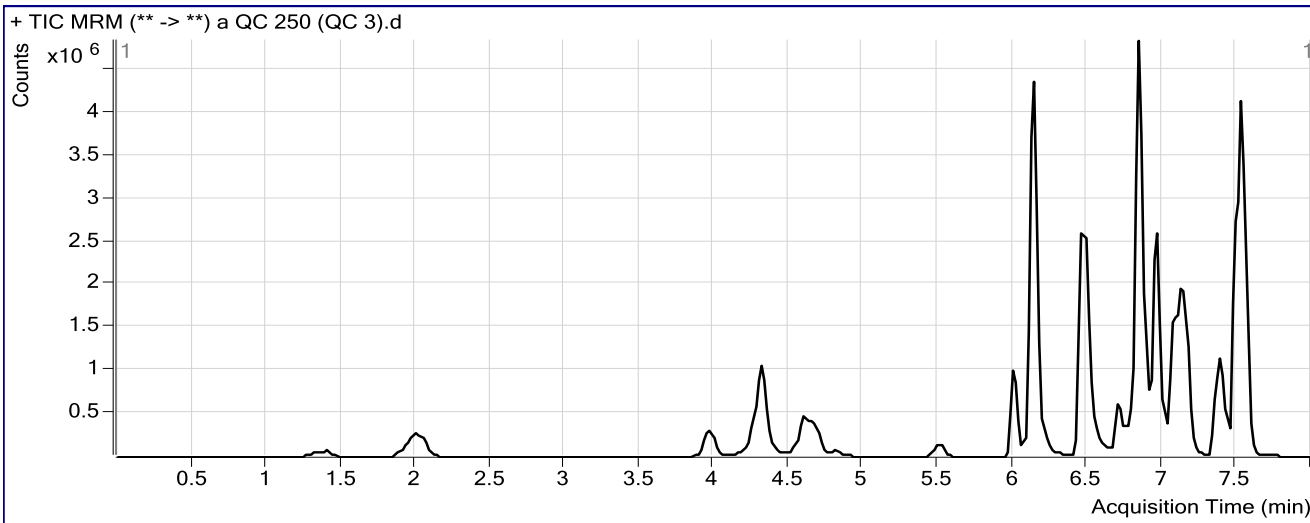
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Batch Data Path C:\MassHunter\Data\2018\MD Quant\051018 MDQ P1 P2 SP\QuantResults\051018 MDQP1a wklst 2391.batch.
Analysis Time 5/17/2018 11:42 AM **Analyst Name** ISPUser
Report Time 5/17/2018 11:49 AM **Reporter Name** ISPUser
Last Calib Update 5/17/2018 11:42 AM **Batch State** Processed

Analysis Info

Acq Time 2018-05-11 16:21 **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 1-19-2018.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	1.368	313138	23228	13.4812	229.6264
Hydromorphone	Hydromorphone-D6	2.009	1142275	135803	8.4113	260.2793
Codeine	Codeine-D6	3.972	408466	63620	6.4204	246.9258
Oxycodone	Oxycodone-D6	4.310	3641820	437171	8.3304	263.4406
Amphetamine	Amphetamine-D11	4.324	793764	42665	18.6044	263.4705
Hydrocodone	Hydrocodone-D6	4.594	1127990	238402	4.7315	260.7603
Norhydrocodone	Norhydrocodone-D3	4.639	51294	45878	1.1180	240.5680
Methamphetamine	Methamphetamine-D11	4.682	1158158	120843	9.5840	249.8719
6-MAM	6-MAM-D6	4.829	50785	79568	0.6383	25.0989
Phentermine	Phentermine-D5	5.526	520930	170794	3.0501	275.9872
Dextroprphan	Dextroprphan-D3	6.002	1283139	420371	3.0524	255.7230
7-aminoclonazepam	7-Aminoclonazepam-D4	6.113	2607950	422090	6.1787	266.3962
Tramadol	Tramadol-13C-D3	6.139	11338032	2016323	5.6231	255.9292
Doxylamine	Doxylamine-D5	6.463	5112339	1031017	4.9585	253.1748
Bupropion	Bupropion-D9	6.710	1082908	141930	7.6299	253.4121
Meprobamate	Meprobamate-D7	6.813	1326713	189543	6.9995	259.8325
Zolpidem	Zolpidem-D6	6.842	11303352	2346362	4.8174	248.1612
Venlafaxine	Venlafaxine-D6	6.966	6290475	957968	6.5665	246.2109
Trazodone	Trazodone-D6	7.055	2430806	310759	7.8222	250.1757
Citalopram	Citalopram-D6	7.097	1751178	297851	5.8794	239.1277

TS \$

ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report a QC 250 (QC 3)

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Dextromethorphan	Dextromethorphan-D3	7.130	516808	73703	7.0120	244.9804
Diphenhydramine	Diphenhydramine-D3	7.153	2613431	560244	4.6648	242.3369
Promethazine	Promethazine-D3	7.348	1610404	237007	6.7948	237.5128
Clonazepam	Clonazepam-D4	7.385	2583954	82440	31.3433	263.2934
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.460	580903	97849	5.9368	261.8445
Carisoprodol	Carisoprodol-D7	7.494	3226146	467529	6.9004	260.2188
Lorazepam	Alprazolam-D5	7.503	750944	741949	1.0121	205.7144
Alprazolam	Alprazolam-D5	7.527	6495645	741949	8.7548	247.3231

TS \$

ISP FORENSICS - Pocatello Instrument # 59740

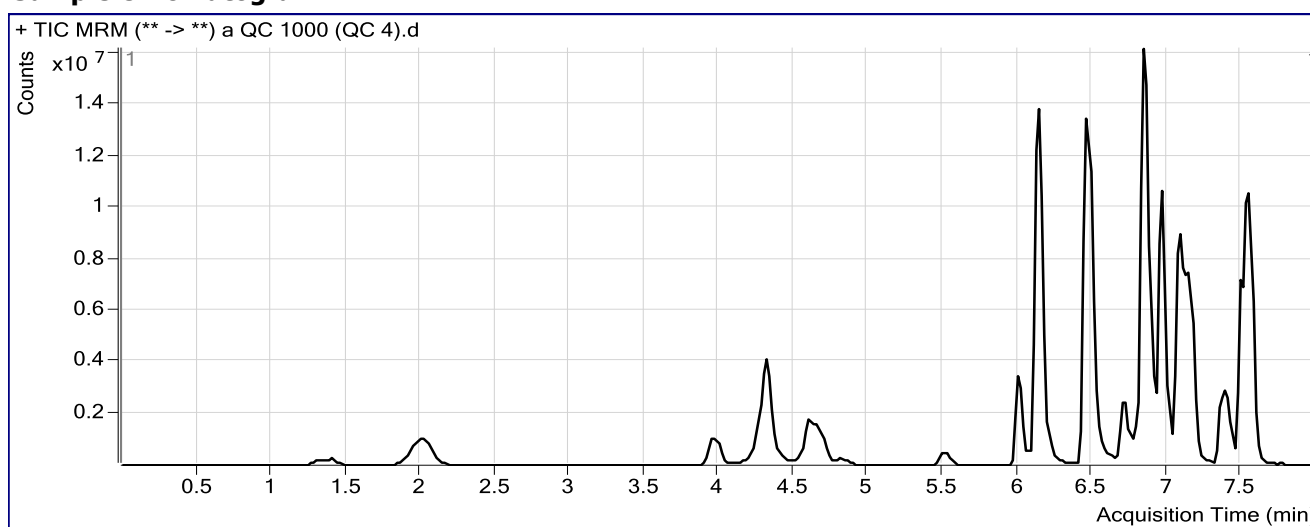
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\051018 MDQ P1 P2 SP\QuantResults\051018 MDQP1a wklst 2391.batch.		
Analysis Time	5/17/2018 11:42 AM	Analyst Name	ISPUser
Report Time	5/17/2018 11:49 AM	Reporter Name	ISPUser
Last Calib Update	5/17/2018 11:42 AM	Batch State	Processed

Analysis Info

Acq Time	2018-05-11 18:27	Data File	a QC 1000 (QC 4).d
Sample Type	QC	Sample Name	a QC 1000 (QC 4).d
Dilution	1	Acq Method	MD Quant Panel 1a 1-19-2018.m
Position	P1-D2	Sample Info	
Inj Vol	-1	Comment	AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.368	1305155	22098	59.0625	998.0465
Hydromorphone	Hydromorphone-D6	2.009	4745679	132319	35.8655	1106.3461
Codeine	Codeine-D6	3.972	1452294	54105	26.8421	1028.0307
Oxycodone	Oxycodone-D6	4.310	15671903	468483	33.4525	1054.9457
Amphetamine	Amphetamine-D11	4.304	2480279	41938	59.1409	840.3400
Hydrocodone	Hydrocodone-D6	4.594	4617518	251956	18.3267	1008.3064
Norhydrocodone	Norhydrocodone-D3	4.639	198295	34615	5.7286	1202.7501
Methamphetamine	Methamphetamine-D11	4.682	4451032	105249	42.2904	1100.3453
6-MAM	6-MAM-D6	4.829	216862	78477	2.7634	109.1804
Phentermine	Phentermine-D5	5.506	1913533	164308	11.6460	1052.9208
Dextroprphan	Dextroprphan-D3	6.002	4942678	388754	12.7142	1061.7252
7-aminoclonazepam	7-Aminoclonazepam-D4	6.113	8360502	356750	23.4352	1012.0301
Tramadol	Tramadol-13C-D3	6.139	44160741	2008851	21.9831	999.8006
Doxylamine	Doxylamine-D5	6.463	24433734	1215108	20.1083	1025.9269
Bupropion	Bupropion-D9	6.730	4753988	144132	32.9837	1091.3861
Meprobamate	Meprobamate-D7	6.813	3986137	157050	25.3813	941.8184
Zolpidem	Zolpidem-D6	6.842	45422020	2335155	19.4514	999.2998
Venlafaxine	Venlafaxine-D6	6.966	28155187	1035341	27.1941	1015.6000
Trazodone	Trazodone-D6	7.076	13845409	456994	30.2967	967.9932
Citalopram	Citalopram-D6	7.118	7211006	296258	24.3403	983.7780

TS \$

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

a QC 1000 (QC 4)

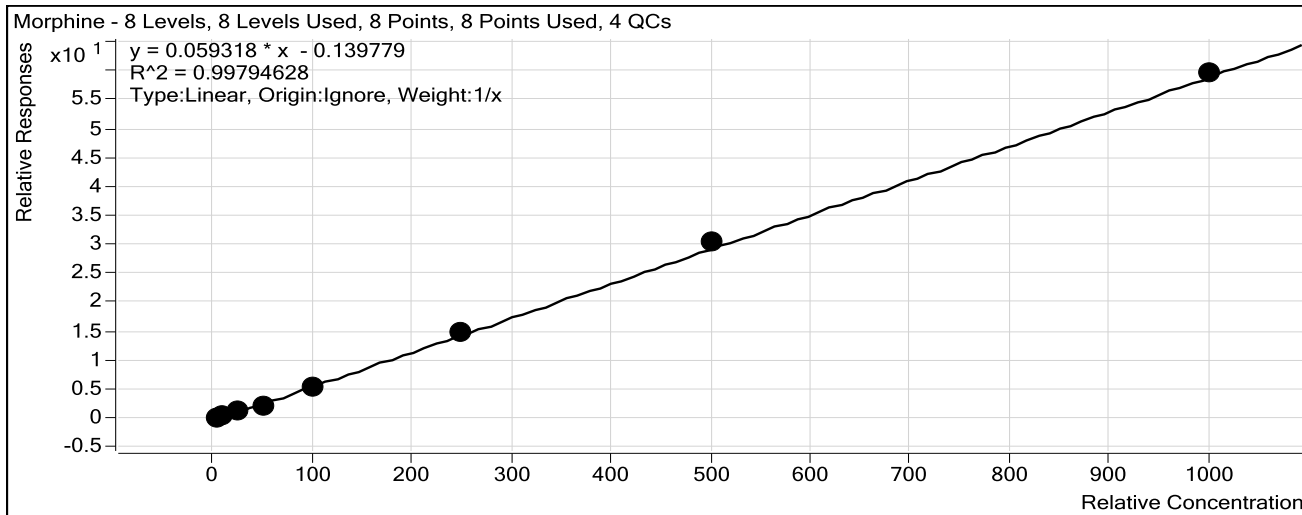
Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Dextromethorphan	Dextromethorphan-D3	7.130	2172053	75965	28.5928	994.5124
Diphenhydramine	Diphenhydramine-D3	7.153	11198058	575337	19.4635	1007.9649
Promethazine	Promethazine-D3	7.368	6051882	219611	27.5573	957.7524
Clonazepam	Clonazepam-D4	7.405	5850937	46896	124.7640	1046.6061
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.460	1842987	76310	24.1513	1062.0479
Carisoprodol	Carisoprodol-D7	7.494	8568996	270402	31.6899	1192.0674
TS \$ Lorazepam	Alprazolam-D5	7.523	2225336	513799	4.3311	894.3384 outside curve range
Alprazolam	Alprazolam-D5	7.547	19756706	513799	38.4522	1083.5854

ISP Forensics Calibration Curve Report

TS
P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\051018 MDQ P1 P2 SP\QuantResults\051018 MDQP1a
 wklst 2391.batch.bin
Last Calib Update 5/17/2018 11:42 AM **Analyst Name** ISP TOX

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

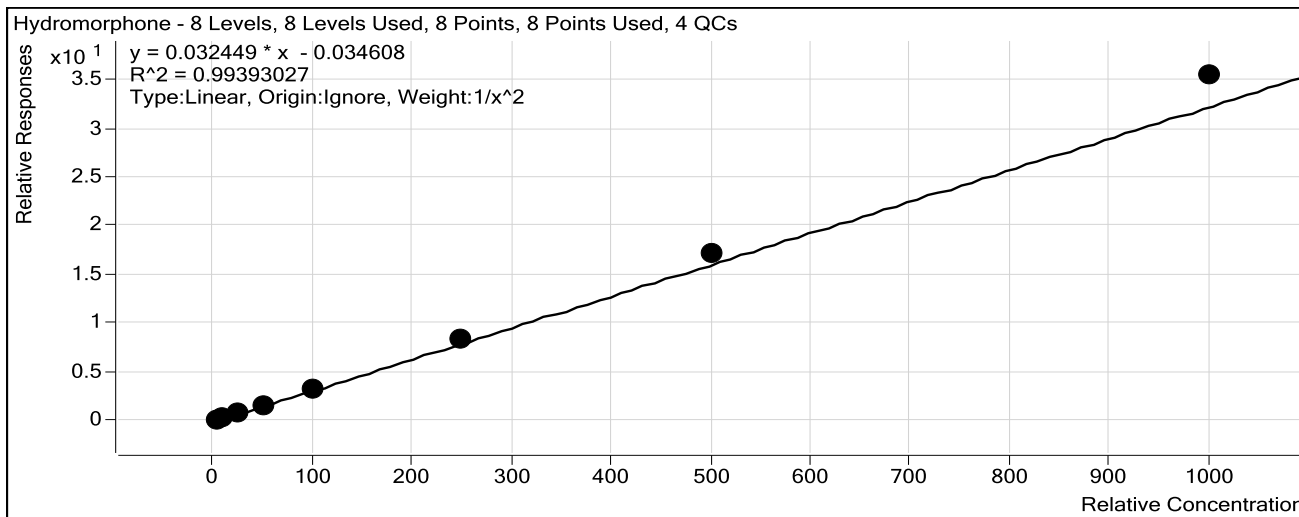


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a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.8	107.7
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	22.6	90.3
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	40.7	81.4
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	90.7	90.7
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	83.5	83.5
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	250.2	100.1
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	229.6	91.9
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	513.5	102.7
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1005.2	100.5
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	998.0	99.8

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\051018 MDQ P1 P2 SP\QuantResults\051018 MDQP1a
 wklst 2391.batch.bin
Last Calib Update 5/17/2018 11:42 AM **Analyst Name** ISP TOX

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



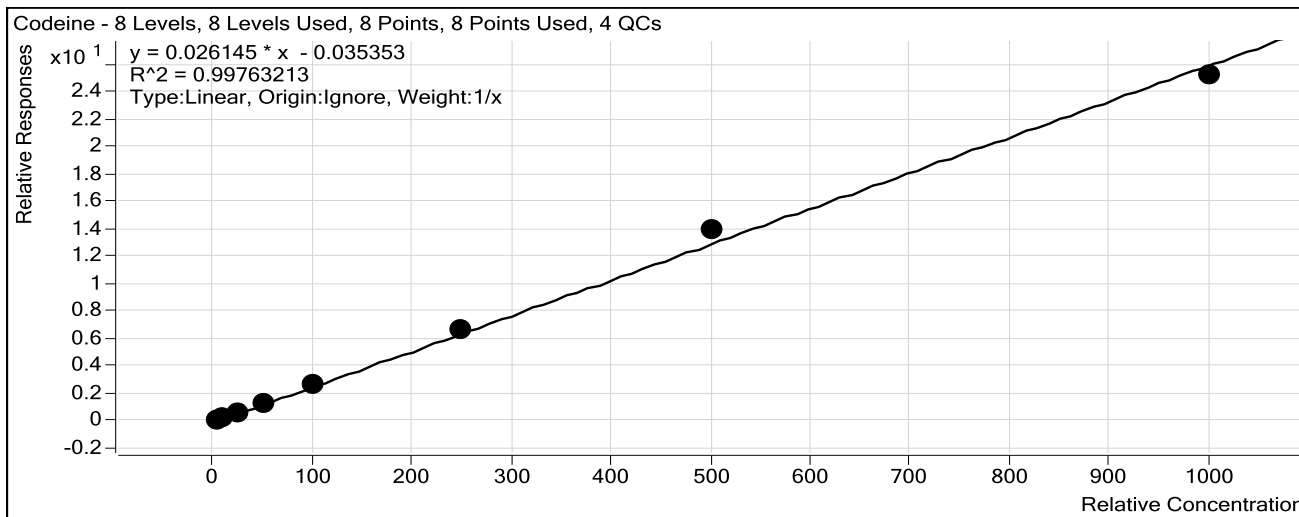
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
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a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.3	92.7
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.6	95.7
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	22.8	91.1
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	47.1	94.1
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	99.6	99.6
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	256.2	102.5
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	260.3	104.1
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	526.6	105.3
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1092.5	109.3
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1106.3	110.6

ISP Forensics Calibration Curve Report

TS \$

Batch Data Path C:\MassHunter\Data\2018\MD Quant\051018 MDQ P1 P2 SP\QuantResults\051018 MDQP1a
 wklst 2391.batch.bin
Last Calib Update 5/17/2018 11:42 AM **Analyst Name** ISP TOX

Target Compound Codeine
Internal Standard Codeine-D6



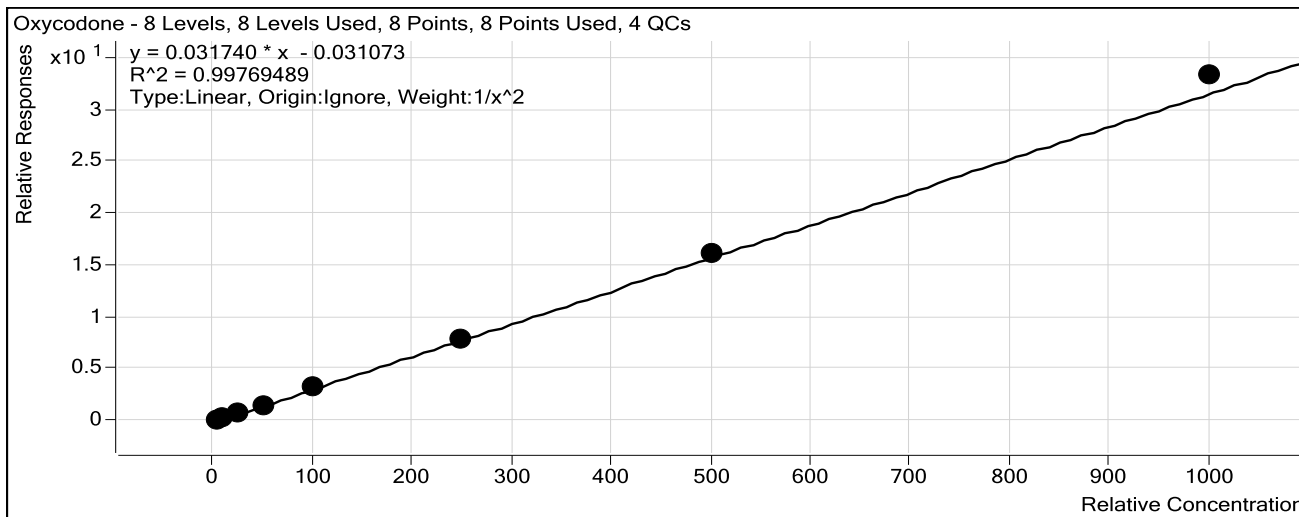
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a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.9	99.1
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.8	97.7
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.2	92.9
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	46.1	92.2
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	92.2	92.2
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	254.6	101.8
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	246.9	98.8
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	535.1	107.0
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	965.9	96.6
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1028.0	102.8

ISP Forensics Calibration Curve Report

TS \$

Batch Data Path C:\MassHunter\Data\2018\MD Quant\051018 MDQ P1 P2 SP\QuantResults\051018 MDQP1a
 wklst 2391.batch.bin
Last Calib Update 5/17/2018 11:42 AM **Analyst Name** ISP TOX

Target Compound Oxycodone
Internal Standard Oxycodone-D6



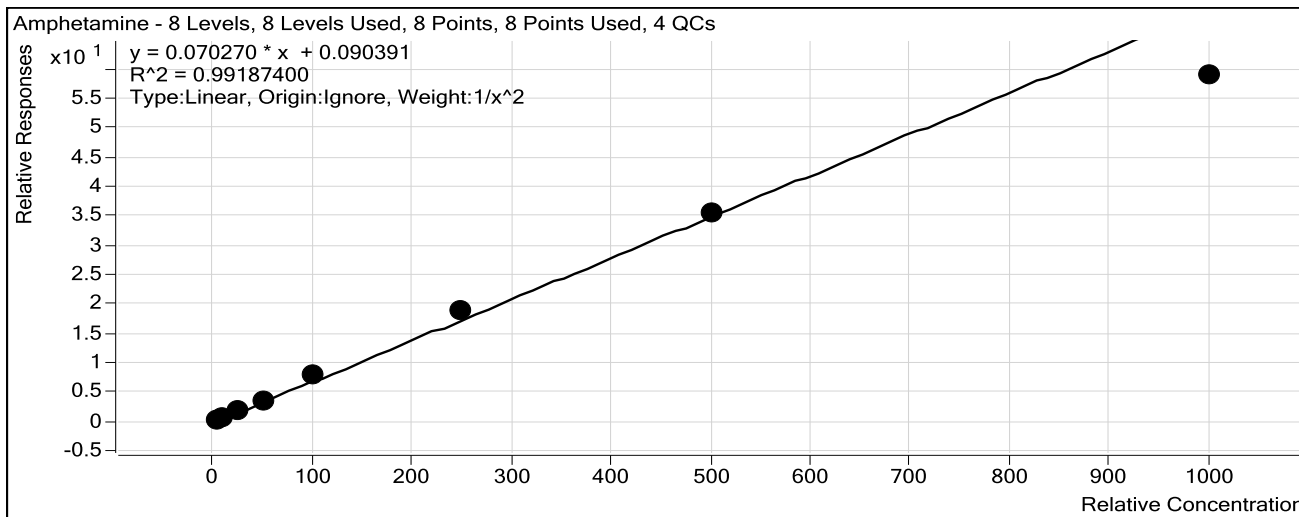
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a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.3	92.8
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.7	96.7
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	24.2	96.7
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	48.5	97.1
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	101.8	101.8
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	251.4	100.6
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	509.1	101.8
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1048.7	104.9
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1054.9	105.5

ISP Forensics Calibration Curve Report

TS \$

Batch Data Path C:\MassHunter\Data\2018\MD Quant\051018 MDQ P1 P2 SP\QuantResults\051018 MDQP1a
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Last Calib Update 5/17/2018 11:42 AM **Analyst Name** ISP TOX

Target Compound Amphetamine
Internal Standard Amphetamine-D11



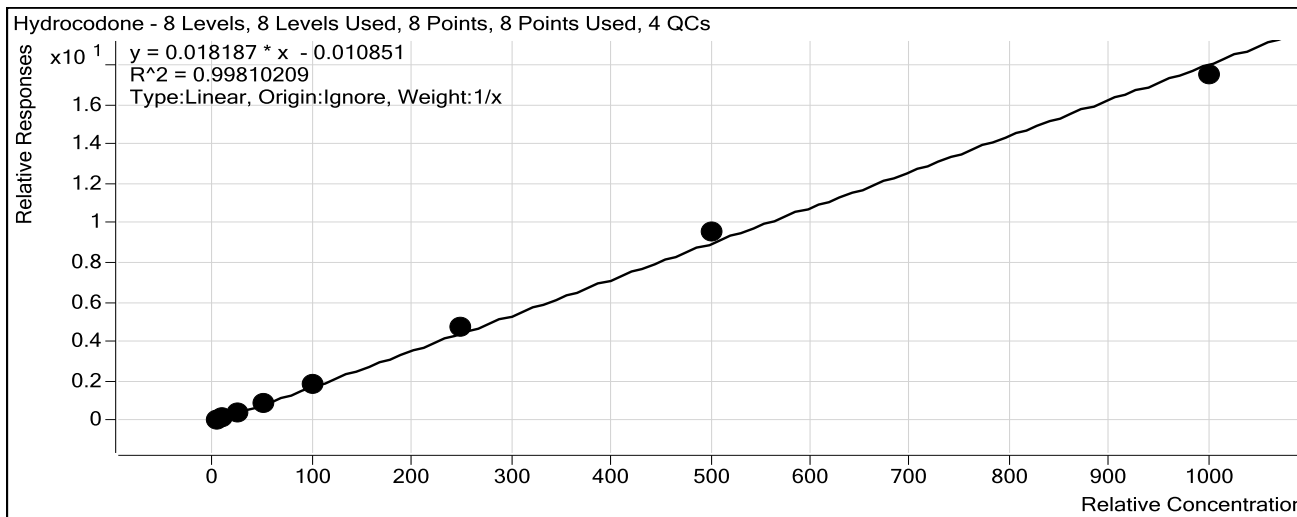
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a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.7	96.5
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	24.9	99.4
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	48.9	97.8
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	109.2	109.2
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	94.6	94.6
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	269.8	107.9
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	263.5	105.4
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	504.7	100.9
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	836.0	83.6
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	840.3	84.0

ISP Forensics Calibration Curve Report

TS \$

Batch Data Path C:\MassHunter\Data\2018\MD Quant\051018 MDQ P1 P2 SP\QuantResults\051018 MDQP1a
 wklst 2391.batch.bin
Last Calib Update 5/17/2018 11:42 AM **Analyst Name** ISP TOX

Target Compound Hydrocodone
Internal Standard Hydrocodone-D6



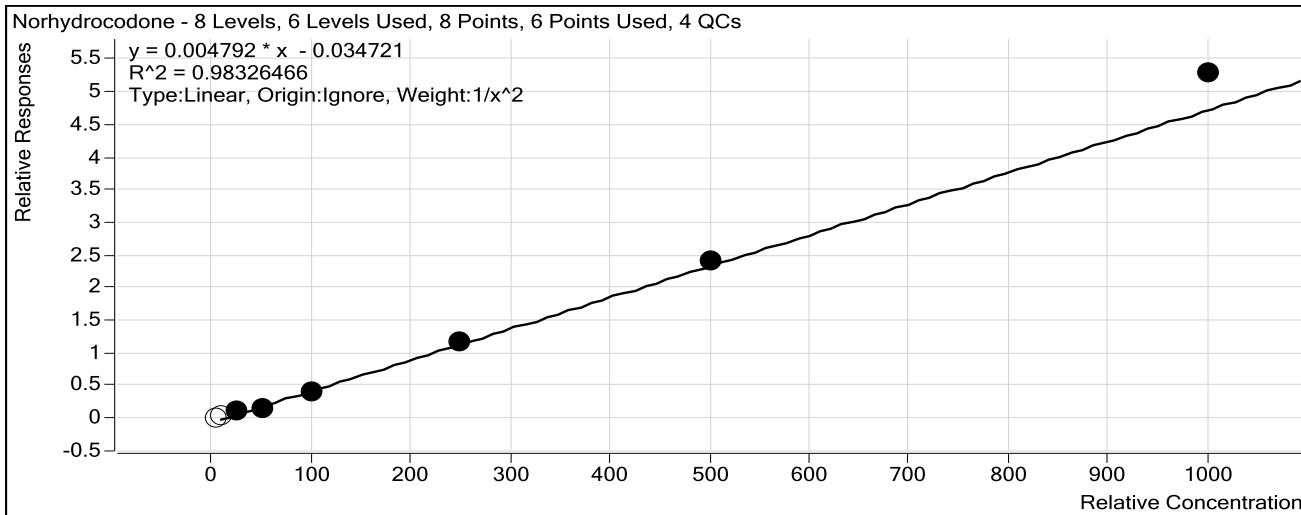
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a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.4	93.9
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.2	102.0
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	24.4	97.7
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	50.5	101.0
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	102.0	102.0
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	104.8	104.8
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	263.4	105.4
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	260.8	104.3
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	523.4	104.7
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	961.9	96.2
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1008.3	100.8

ISP Forensics Calibration Curve Report



Batch Data Path C:\MassHunter\Data\2018\MD Quant\051018 MDQ P1 P2 SP\QuantResults\051018 MDQP1a
 wklst 2391.batch.bin
Last Calib Update 5/17/2018 11:42 AM **Analyst Name** ISP TOX

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



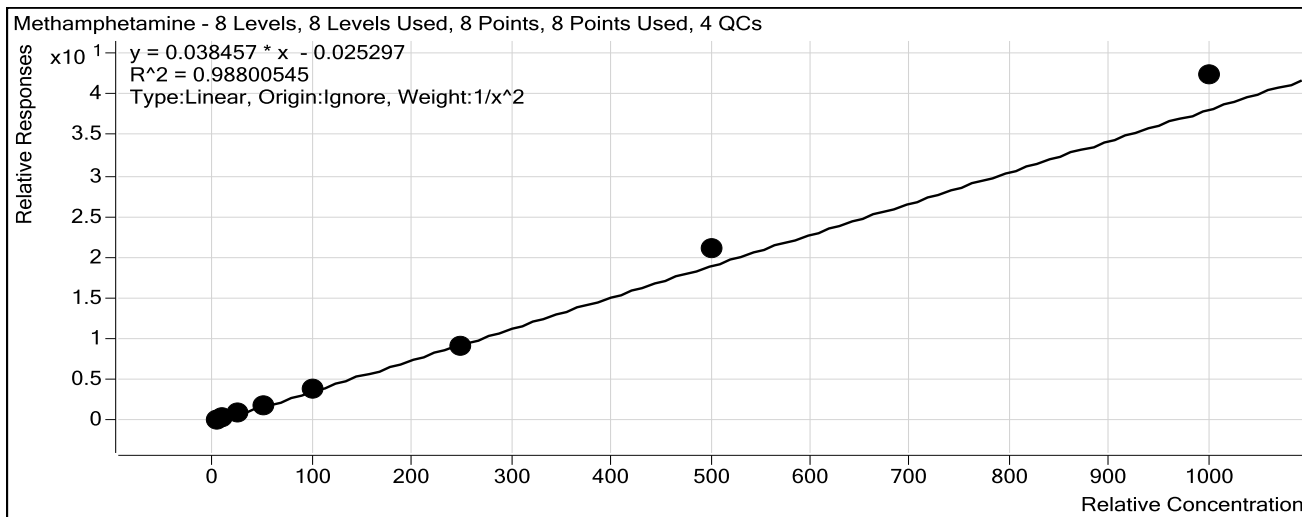
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a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	27.4	109.6
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	41.6	83.3
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	93.1	93.1
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	84.2	84.2
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	254.0	101.6
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	240.6	96.2
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	507.6	101.5
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1109.8	111.0
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ISP Forensics Calibration Curve Report

TS \$

Batch Data Path C:\MassHunter\Data\2018\MD Quant\051018 MDQ P1 P2 SP\QuantResults\051018 MDQP1a
 wk1st 2391.batch.bin
Last Calib Update 5/17/2018 11:42 AM **Analyst Name** ISP TOX

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



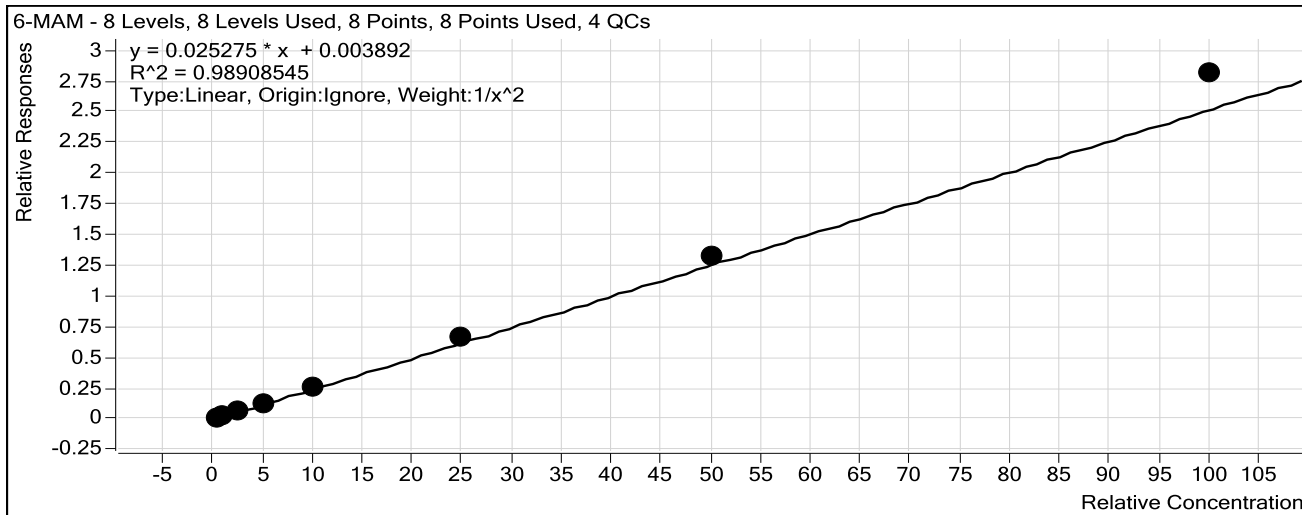
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a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	8.4	83.9
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.7	107.2
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.9	95.6
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	47.3	94.6
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	101.3	101.3
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	93.6	93.6
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	236.2	94.5
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	249.9	99.9
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	553.1	110.6
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1101.0	110.1
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1100.3	110.0

ISP Forensics Calibration Curve Report



Batch Data Path C:\MassHunter\Data\2018\MD Quant\051018 MDQ P1 P2 SP\QuantResults\051018 MDQP1a
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Last Calib Update 5/17/2018 11:42 AM **Analyst Name** ISP TOX

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



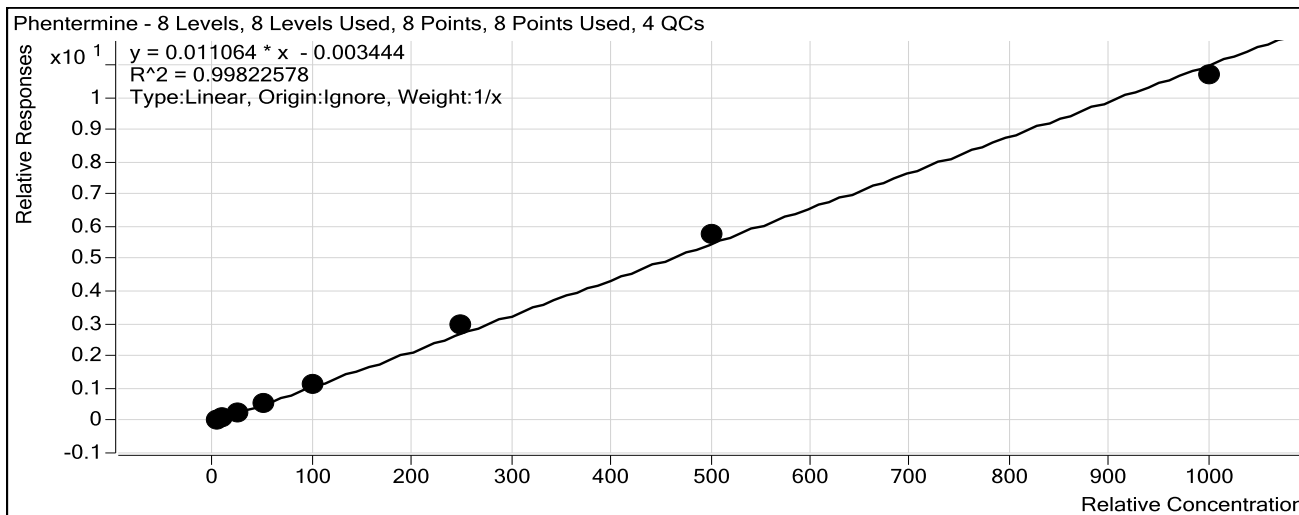
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a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	2.5	2.4	94.5
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	5	4.5	90.2
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	10	10.1	101.4
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	10	9.1	90.9
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	25	26.1	104.4
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	25	25.1	100.4
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	50	52.0	104.0
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	100	111.0	111.0
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	100	109.2	109.2

ISP Forensics Calibration Curve Report

TS \$

Batch Data Path C:\MassHunter\Data\2018\MD Quant\051018 MDQ P1 P2 SP\QuantResults\051018 MDQP1a
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Last Calib Update 5/17/2018 11:42 AM **Analyst Name** ISP TOX

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



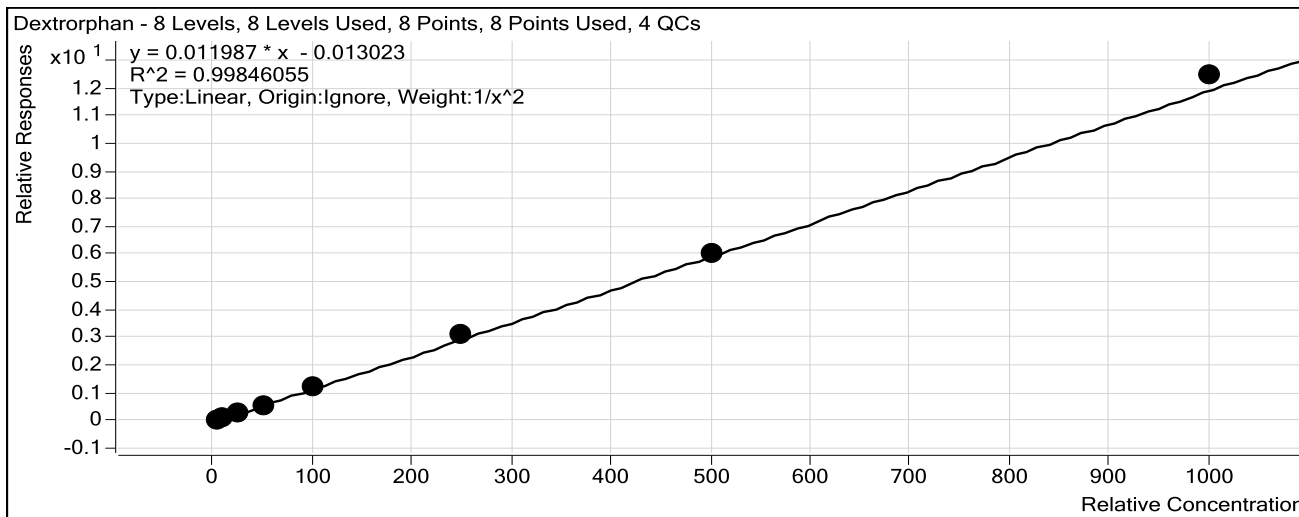
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a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.5	95.1
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.6	106.4
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	25.2	100.8
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	48.6	97.1
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	100.3	100.3
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	99.3	99.3
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	265.8	106.3
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	276.0	110.4
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	520.7	104.1
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	965.0	96.5
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1052.9	105.3

ISP Forensics Calibration Curve Report

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Batch Data Path C:\MassHunter\Data\2018\MD Quant\051018 MDQ P1 P2 SP\QuantResults\051018 MDQP1a
 wklst 2391.batch.bin
Last Calib Update 5/17/2018 11:42 AM **Analyst Name** ISP TOX

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



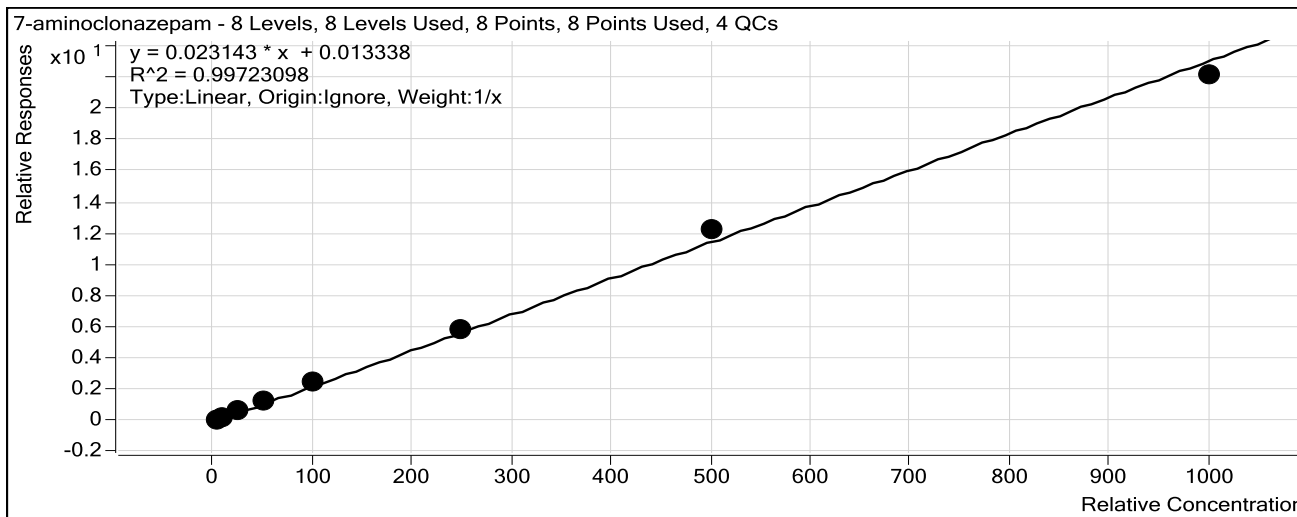
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.1	102.4
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.8	97.7
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.1	91.0
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.8	95.2
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	47.8	95.6
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	100.5	100.5
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	99.5	99.5
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	257.8	103.1
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	255.7	102.3
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	507.2	101.4
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1040.2	104.0
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1061.7	106.2

ISP Forensics Calibration Curve Report



Batch Data Path C:\MassHunter\Data\2018\MD Quant\051018 MDQ P1 P2 SP\QuantResults\051018 MDQP1a
 wklst 2391.batch.bin
Last Calib Update 5/17/2018 11:42 AM **Analyst Name** ISP TOX

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



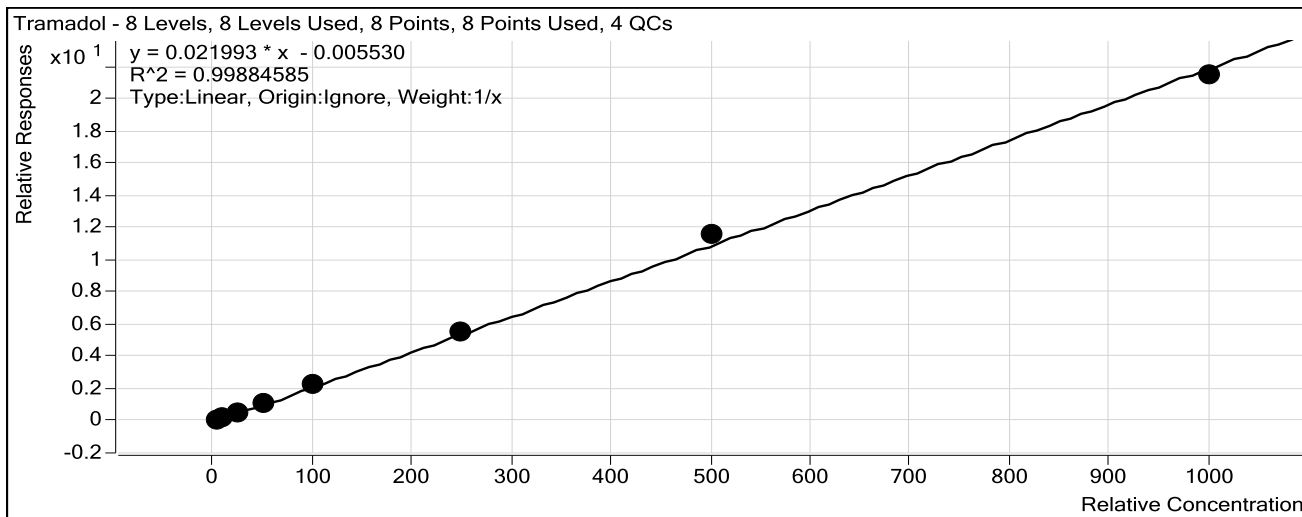
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	4.2	83.8
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.5	94.6
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.0	90.3
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	25.9	103.7
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	53.6	107.1
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	107.3	107.3
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	107.1	107.1
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	255.2	102.1
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	266.4	106.6
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	529.7	105.9
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	954.6	95.5
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1012.0	101.2

ISP Forensics Calibration Curve Report

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Batch Data Path C:\MassHunter\Data\2018\MD Quant\051018 MDQ P1 P2 SP\QuantResults\051018 MDQP1a
 wklst 2391.batch.bin
Last Calib Update 5/17/2018 11:42 AM **Analyst Name** ISP TOX

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



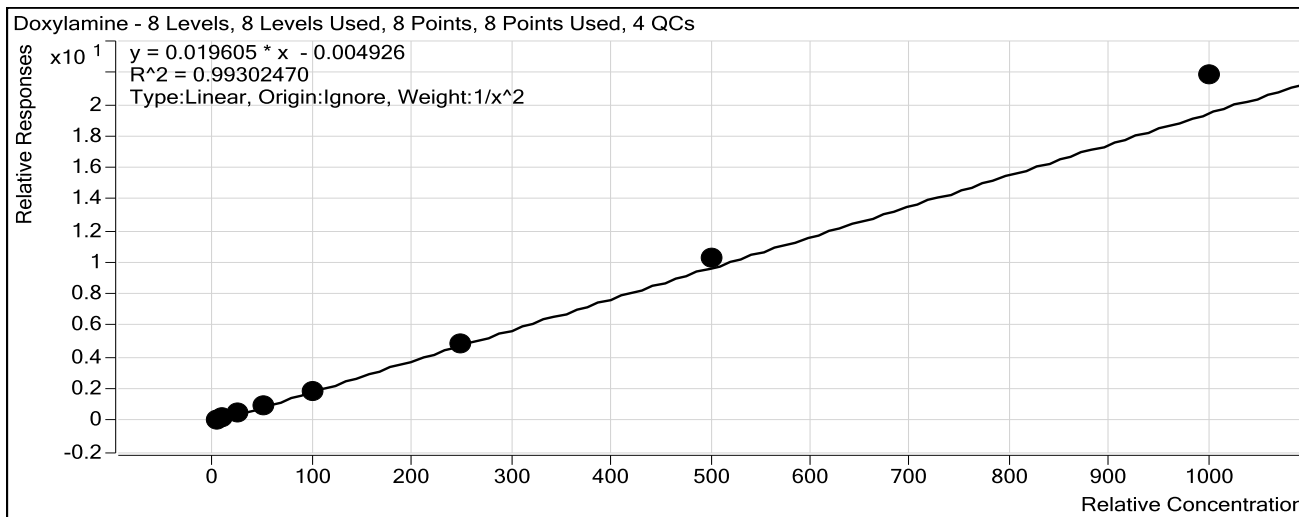
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.2	103.1
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.8	98.1
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.2	102.4
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	24.3	97.1
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	48.2	96.3
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	102.9	102.9
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	99.5	99.5
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	250.5	100.2
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	255.9	102.4
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	524.7	104.9
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	974.6	97.5
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	999.8	100.0

ISP Forensics Calibration Curve Report

TS \$

Batch Data Path C:\MassHunter\Data\2018\MD Quant\051018 MDQ P1 P2 SP\QuantResults\051018 MDQP1a
 wklst 2391.batch.bin
Last Calib Update 5/17/2018 11:42 AM **Analyst Name** ISP TOX

Target Compound Doxylamine
Internal Standard Doxylamine-D5



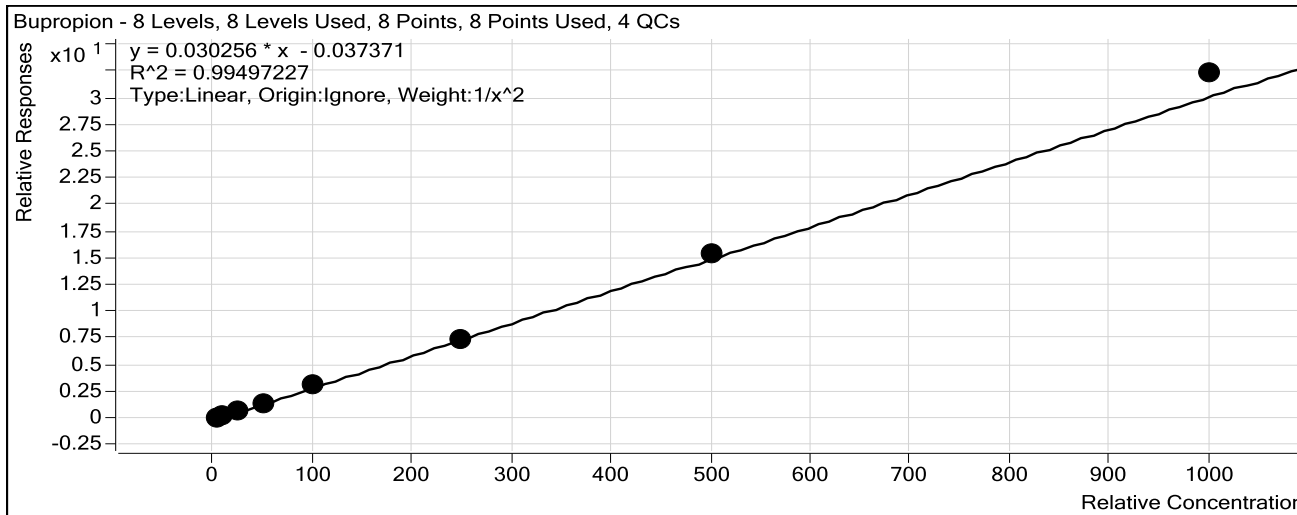
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.3	106.7
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.0	89.9
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.4	94.2
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.3	93.3
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	49.2	98.3
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	96.5	96.5
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	99.3	99.3
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	246.4	98.5
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	253.2	101.3
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	526.9	105.4
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1114.6	111.5
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1025.9	102.6

ISP Forensics Calibration Curve Report

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Batch Data Path C:\MassHunter\Data\2018\MD Quant\051018 MDQ P1 P2 SP\QuantResults\051018 MDQP1a
 wklst 2391.batch.bin
Last Calib Update 5/17/2018 11:42 AM **Analyst Name** ISP TOX

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



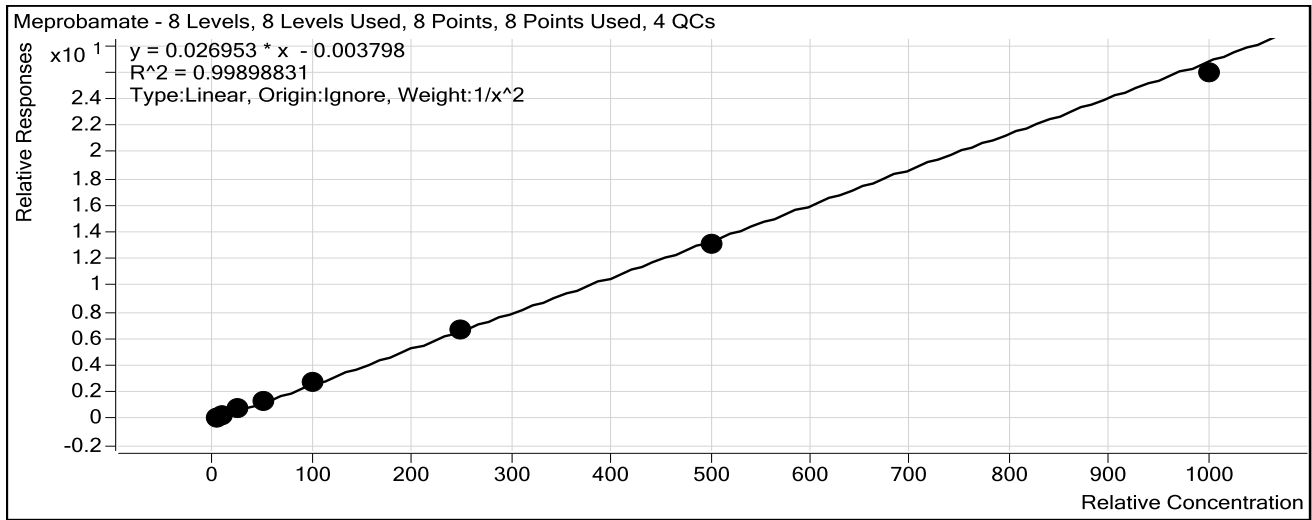
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.0	100.7
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	10.4	103.6
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.7	97.4
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	22.4	89.6
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	106.4	106.4
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	96.1	96.1
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	243.3	97.3
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	253.4	101.4
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	512.7	102.5
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1067.3	106.7
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1091.4	109.1

ISP Forensics Calibration Curve Report

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Batch Data Path C:\MassHunter\Data\2018\MD Quant\051018 MDQ P1 P2 SP\QuantResults\051018 MDQP1a
 wklst 2391.batch.bin
Last Calib Update 5/17/2018 11:42 AM **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	5.0	99.0
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	10.0	99.9
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.8	98.1
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	26.0	104.0
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	51.1	102.2
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	104.4	104.4
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	250.2	100.1
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	259.8	103.9
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	483.3	96.7
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	960.2	96.0
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	941.8	94.2

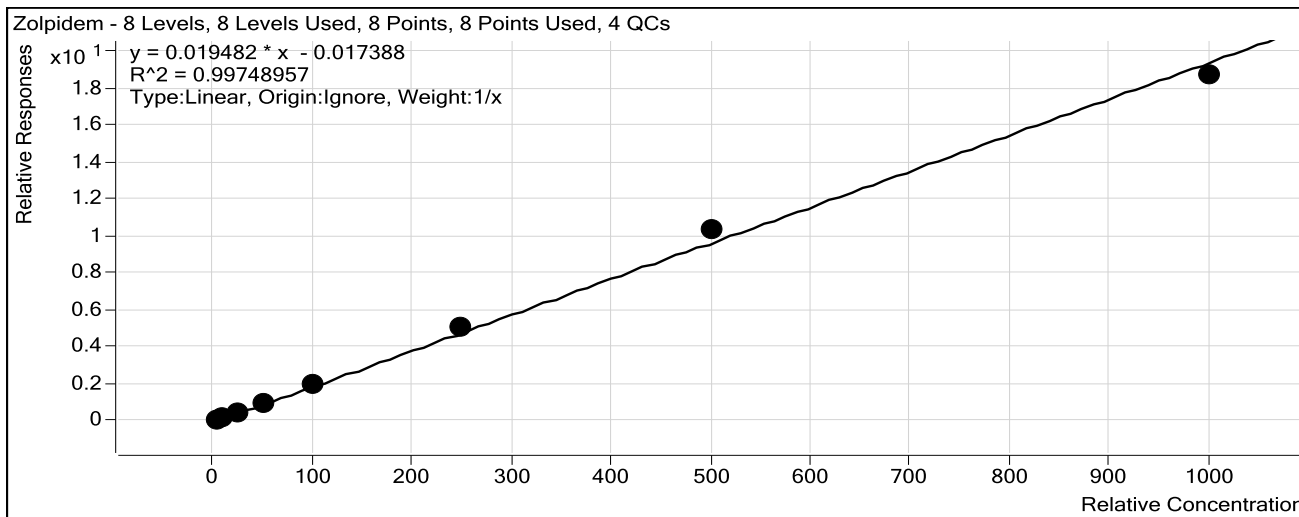
ISP Forensics Calibration Curve Report

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Batch Data Path C:\MassHunter\Data\2018\MD Quant\051018 MDQ P1 P2 SP\QuantResults\051018 MDQP1a
wklst 2391.batch.bin

Last Calib Update 5/17/2018 11:42 AM **Analyst Name** ISP TOX

Target Compound Zolpidem
Internal Standard Zolpidem-D6



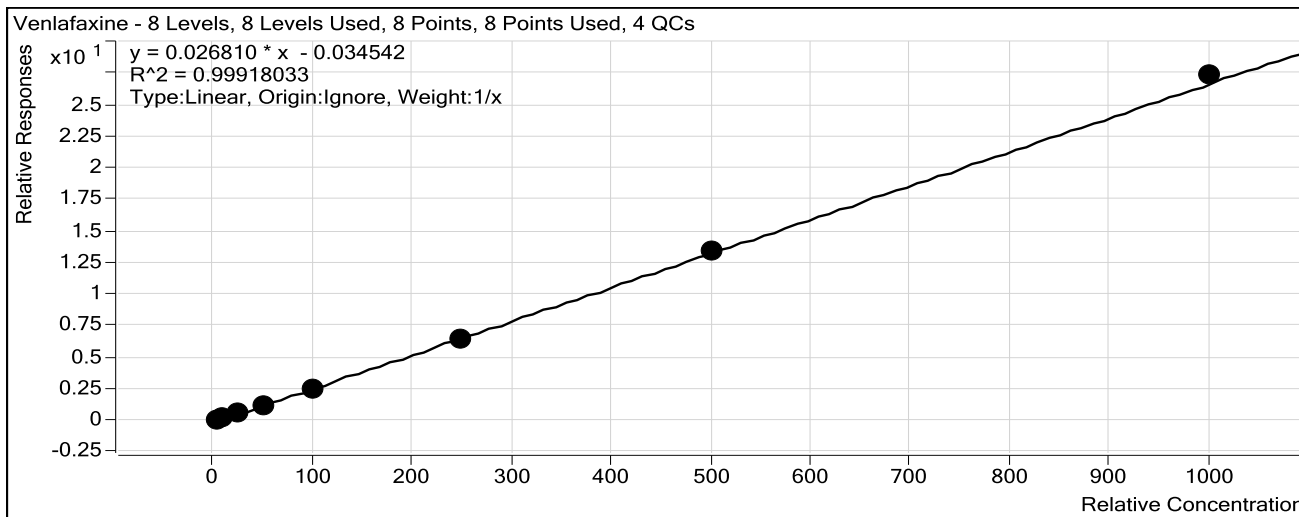
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.2	104.1
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.7	97.1
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.2	92.5
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.7	94.6
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	48.7	97.5
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	99.5	99.5
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	98.6	98.6
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	262.0	104.8
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	248.2	99.3
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	959.0	95.9
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	999.3	99.9

ISP Forensics Calibration Curve Report

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Batch Data Path C:\MassHunter\Data\2018\MD Quant\051018 MDQ P1 P2 SP\QuantResults\051018 MDQP1a
 wklst 2391.batch.bin
Last Calib Update 5/17/2018 11:42 AM **Analyst Name** ISP TOX

Target Compound Venlafaxine
Internal Standard Venlafaxine-D6



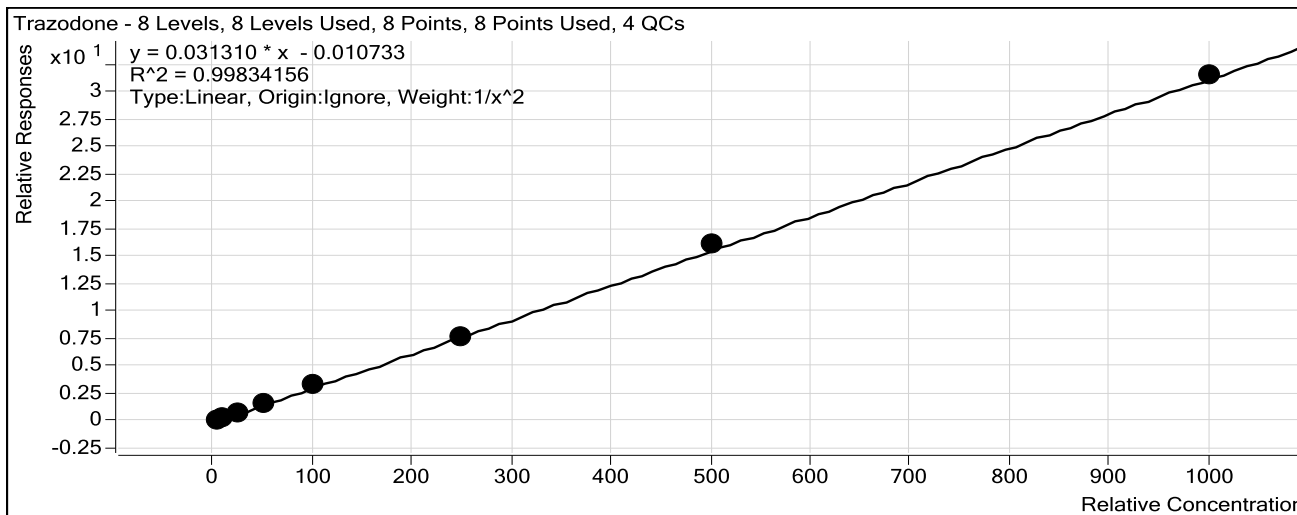
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.6	112.1
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	10.4	103.8
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.6	105.7
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	24.7	98.8
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	47.0	94.1
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	93.1	93.1
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	95.2	95.2
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	240.7	96.3
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	246.2	98.5
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	499.5	99.9
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1019.0	101.9
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1015.6	101.6

ISP Forensics Calibration Curve Report

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Batch Data Path C:\MassHunter\Data\2018\MD Quant\051018 MDQ P1 P2 SP\QuantResults\051018 MDQP1a
 wklst 2391.batch.bin
Last Calib Update 5/17/2018 11:42 AM **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	5.1	101.4
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.9	98.5
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.5	94.8
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	24.4	97.4
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	106.6	106.6
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	100.0	100.0
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	242.8	97.1
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	250.2	100.1
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	513.1	102.6
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1005.7	100.6
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	968.0	96.8

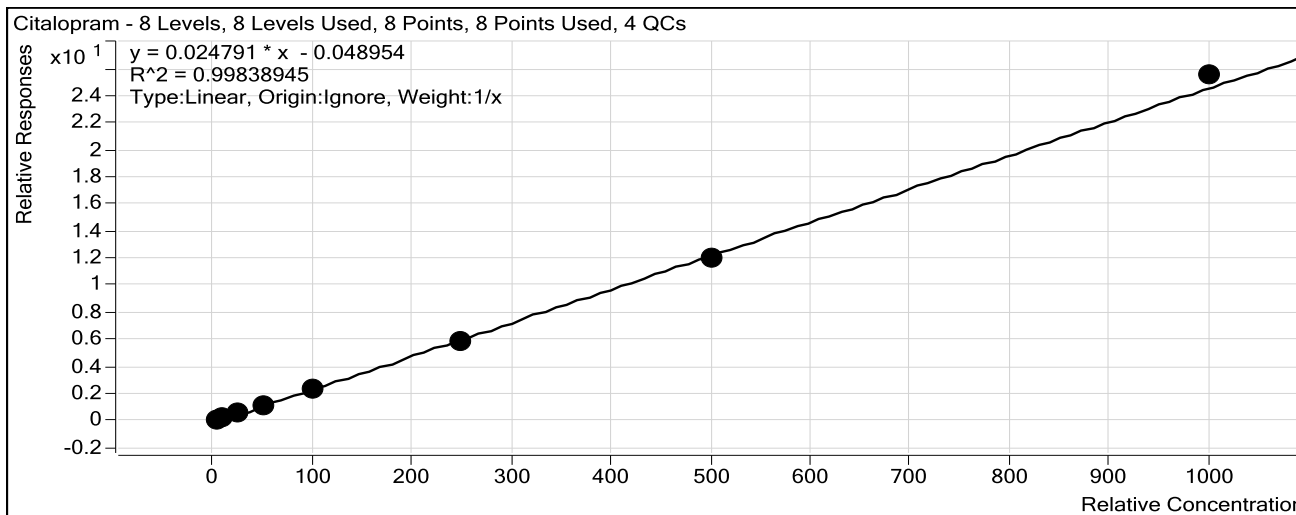
ISP Forensics Calibration Curve Report

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Batch Data Path C:\MassHunter\Data\2018\MD Quant\051018 MDQ P1 P2 SP\QuantResults\051018 MDQP1a
wk1st 2391.batch.bin

Last Calib Update 5/17/2018 11:42 AM **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	6.3	126.9
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.3	92.5
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.4	104.3
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	45.4	90.9
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	92.2	92.2
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	237.2	94.9
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	239.1	95.7
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	488.8	97.8
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1031.7	103.2
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	983.8	98.4

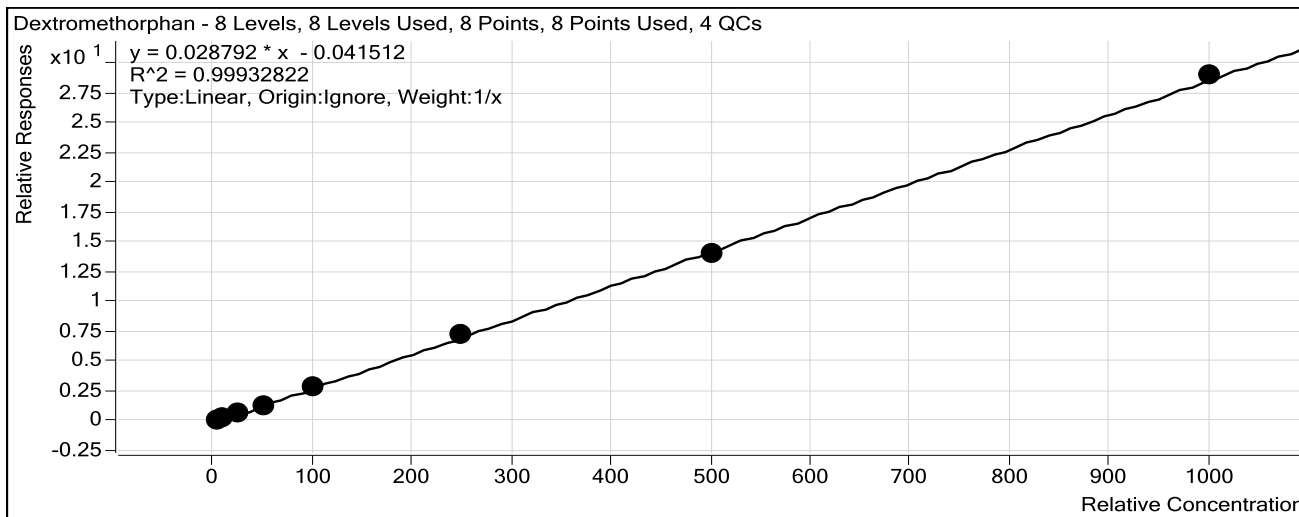
ISP Forensics Calibration Curve Report

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Batch Data Path C:\MassHunter\Data\2018\MD Quant\051018 MDQ P1 P2 SP\QuantResults\051018 MDQP1a
wk1st 2391.batch.bin

Last Calib Update 5/17/2018 11:42 AM **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 checked="" type="checkbox"/>	5	6.2	124.4
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.4	94.4
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.0	99.5
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	22.0	87.8
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	47.0	94.0
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	97.8	97.8
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	103.1	103.1
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	255.0	102.0
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	245.0	98.0
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	493.5	98.7
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1009.0	100.9
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	994.5	99.5

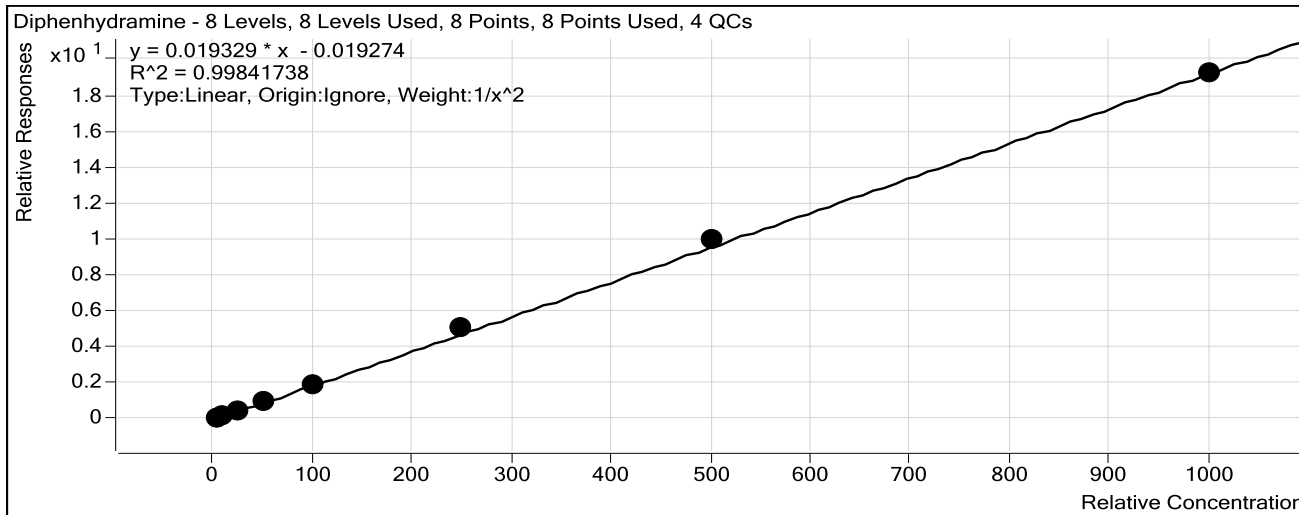
ISP Forensics Calibration Curve Report

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Batch Data Path C:\MassHunter\Data\2018\MD Quant\051018 MDQ P1 P2 SP\QuantResults\051018 MDQP1a
wk1st 2391.batch.bin

Last Calib Update 5/17/2018 11:42 AM **Analyst Name** ISP TOX

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



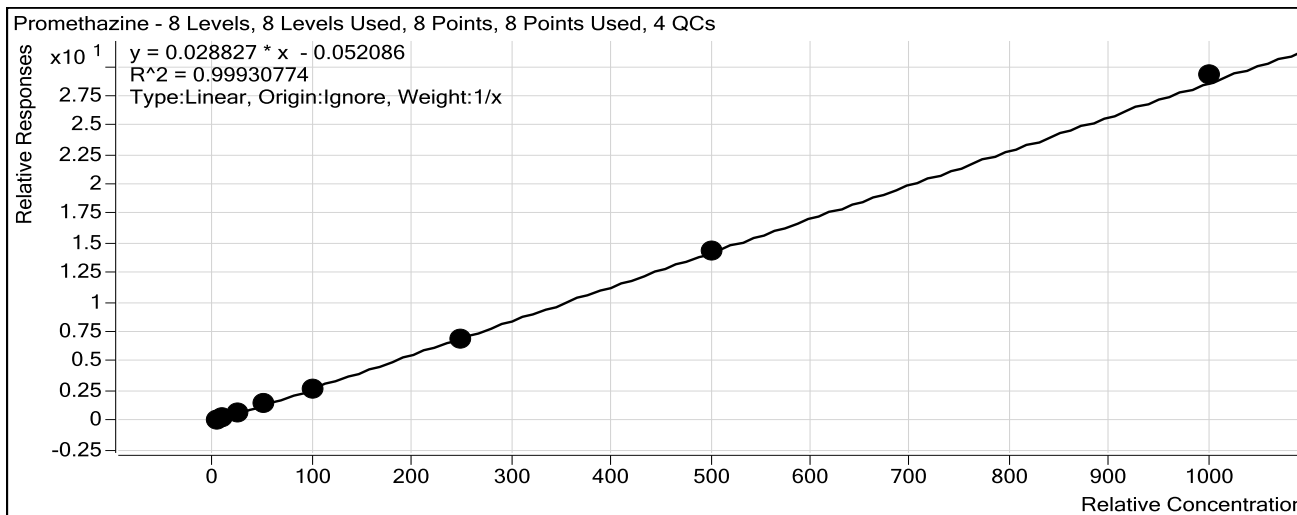
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.1	102.9
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.5	95.4
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.2	91.9
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	24.5	98.1
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	48.9	97.8
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	97.7	97.7
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	95.4	95.4
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	262.9	105.2
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	242.3	96.9
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	518.0	103.6
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	994.7	99.5
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1008.0	100.8

ISP Forensics Calibration Curve Report



Batch Data Path C:\MassHunter\Data\2018\MD Quant\051018 MDQ P1 P2 SP\QuantResults\051018 MDQP1a
 wklst 2391.batch.bin
Last Calib Update 5/17/2018 11:42 AM **Analyst Name** ISP TOX

Target Compound Promethazine
Internal Standard Promethazine-D3



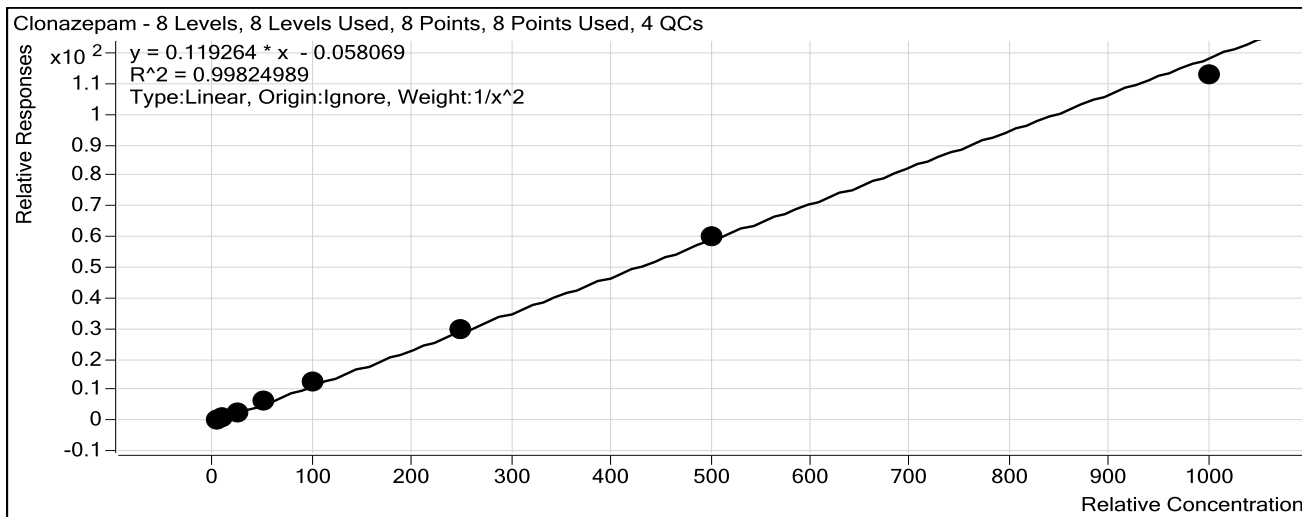
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.6	112.3
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	10.3	103.0
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.9	108.8
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.7	94.7
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	49.2	98.3
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	93.8	93.8
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	94.9	94.9
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	239.6	95.9
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	237.5	95.0
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	502.4	100.5
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1015.4	101.5
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	957.8	95.8

ISP Forensics Calibration Curve Report

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Batch Data Path C:\MassHunter\Data\2018\MD Quant\051018 MDQ P1 P2 SP\QuantResults\051018 MDQP1a
 wklst 2391.batch.bin
Last Calib Update 5/17/2018 11:42 AM **Analyst Name** ISP TOX

Target Compound Clonazepam
Internal Standard Clonazepam-D4



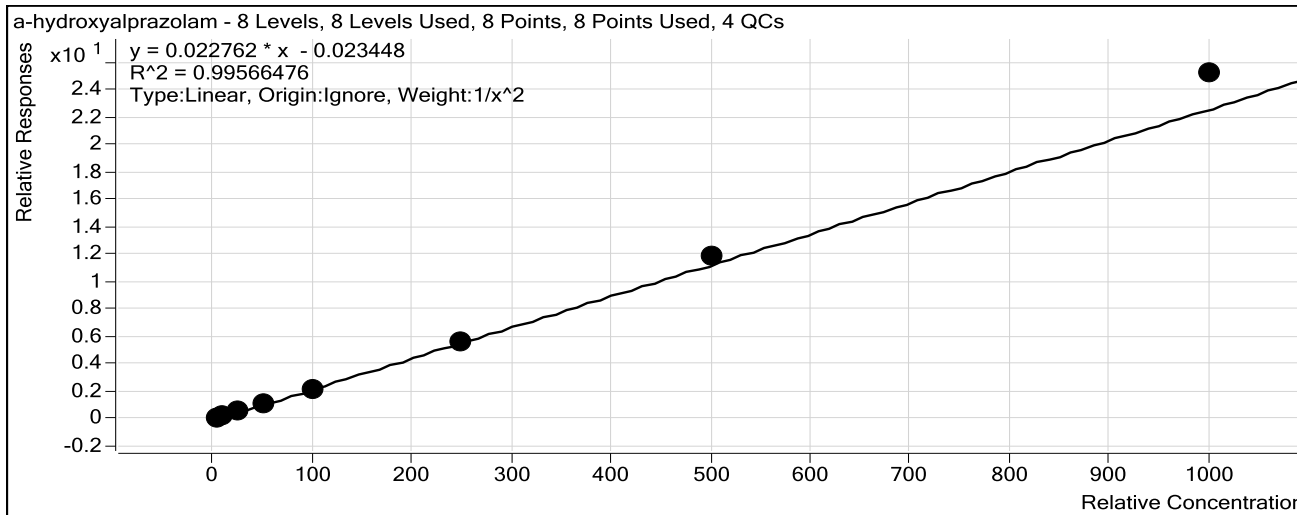
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.0	100.7
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.9	98.6
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.9	99.4
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	24.1	96.3
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	52.7	105.4
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	104.1	104.1
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	104.3	104.3
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	263.3	105.3
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	502.0	100.4
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	945.4	94.5
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1046.6	104.7

ISP Forensics Calibration Curve Report

TS \$

Batch Data Path C:\MassHunter\Data\2018\MD Quant\051018 MDQ P1 P2 SP\QuantResults\051018 MDQP1a
 wklst 2391.batch.bin
Last Calib Update 5/17/2018 11:42 AM **Analyst Name** ISP TOX

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



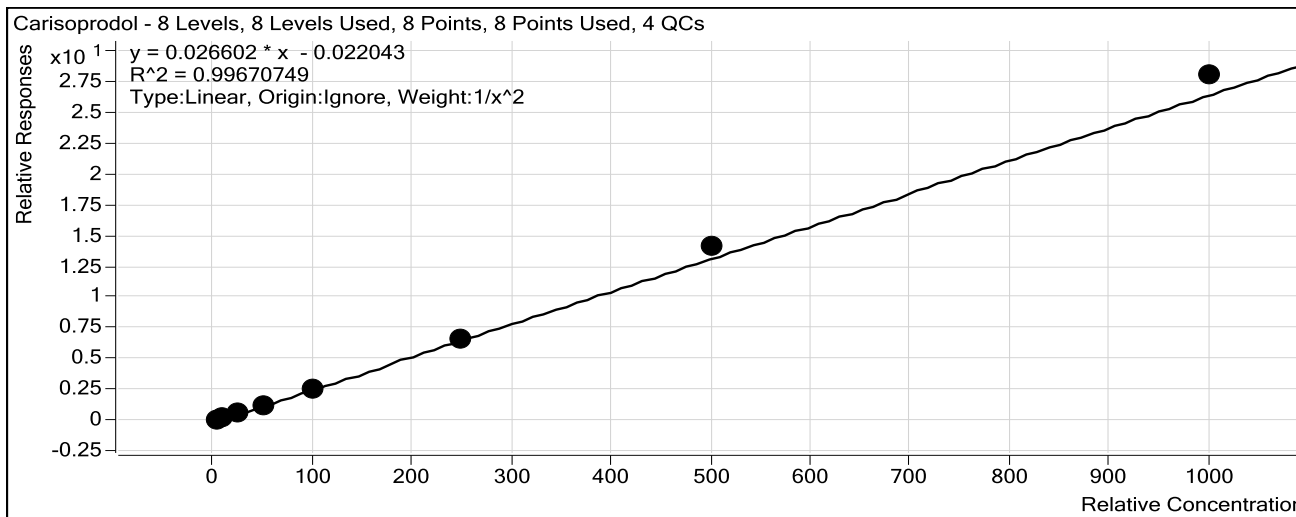
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a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	10.0	100.4
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.2	102.3
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.2	92.7
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	48.5	96.9
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	94.7	94.7
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	99.4	99.4
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	247.1	98.8
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	261.8	104.7
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	519.4	103.9
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1108.8	110.9
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1062.0	106.2

ISP Forensics Calibration Curve Report

TS \$

Batch Data Path C:\MassHunter\Data\2018\MD Quant\051018 MDQ P1 P2 SP\QuantResults\051018 MDQP1a
 wklst 2391.batch.bin
Last Calib Update 5/17/2018 11:42 AM **Analyst Name** ISP TOX

Target Compound Carisoprodol
Internal Standard Carisoprodol-D7



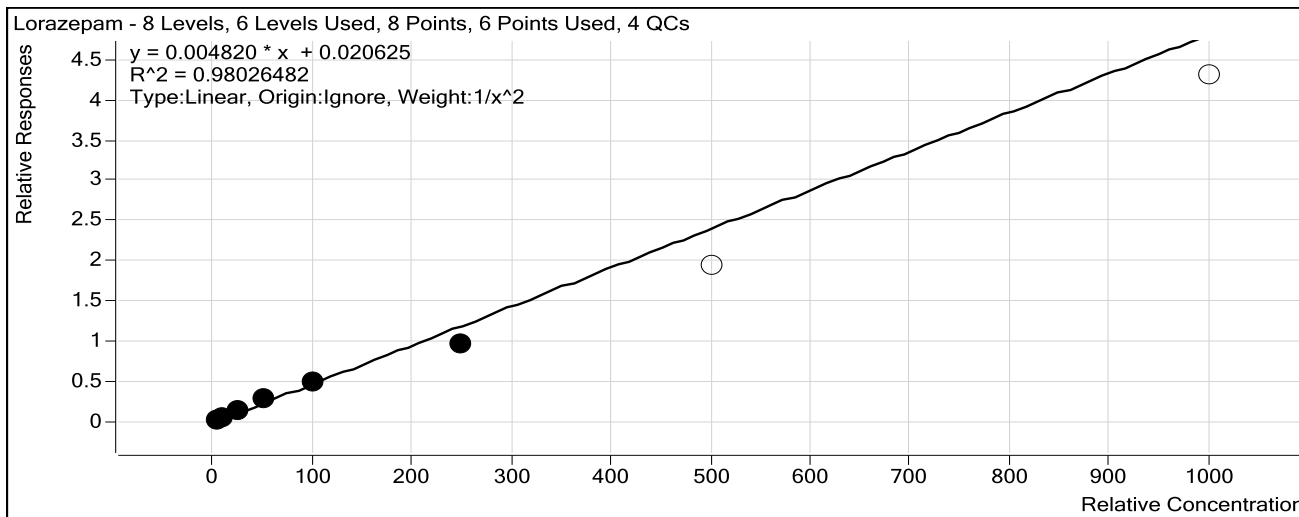
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a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.2	103.7
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.4	93.9
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	11.2	112.4
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	24.8	99.1
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	48.7	97.4
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	93.2	93.2
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	252.4	100.9
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	260.2	104.1
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	531.8	106.4
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1053.5	105.3
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1192.1	119.2

ISP Forensics Calibration Curve Report

TS \$

Batch Data Path C:\MassHunter\Data\2018\MD Quant\051018 MDQ P1 P2 SP\QuantResults\051018 MDQP1a
 wklst 2391.batch.bin
Last Calib Update 5/17/2018 11:42 AM **Analyst Name** ISP TOX

Target Compound Lorazepam
Internal Standard Alprazolam-D5



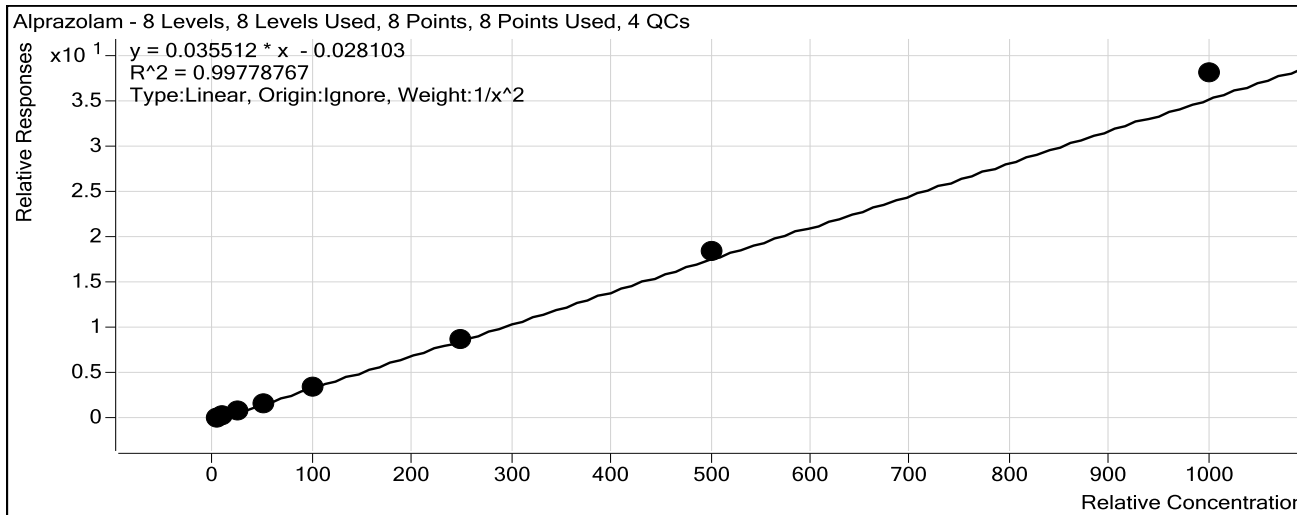
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	4.7	94.6
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	10.6	106.0
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	14.2	141.6
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	27.1	108.3
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	55.9	111.8
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	99.2	99.2
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	105.5	105.5
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	200.3	80.1
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	205.7	82.3
a cal 7-500ng.d	7	<input type="checkbox"/>	500	403.1	80.6
a cal 8-1000ng.d	8	<input type="checkbox"/>	1000	888.3	88.8
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	894.3	89.4

ISP Forensics Calibration Curve Report

TS \$

Batch Data Path C:\MassHunter\Data\2018\MD Quant\051018 MDQ P1 P2 SP\QuantResults\051018 MDQP1a
 wklst 2391.batch.bin
Last Calib Update 5/17/2018 11:42 AM **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	5.1	101.9
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.9	98.8
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.8	97.7
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.9	95.7
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	97.1	97.1
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	97.0	97.0
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	247.1	98.9
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	247.3	98.9
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	520.8	104.2
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1072.2	107.2
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1083.6	108.4

TS \$

ISP FORENSICS - Pocatello Instrument # 59740

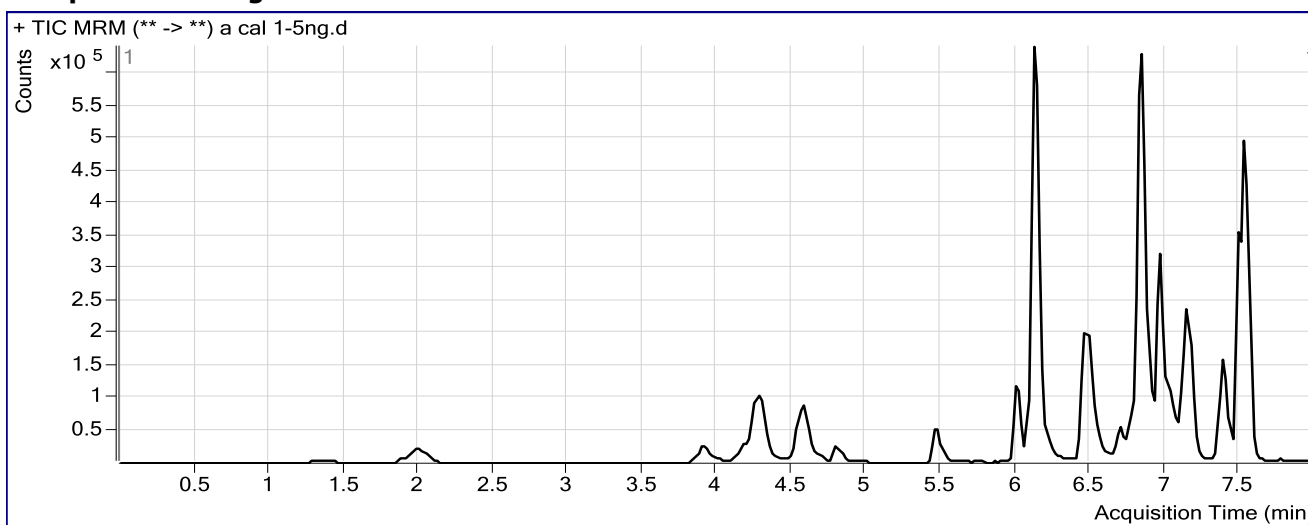
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\051018 MDQ P1 P2 SP\QuantResults\051018 MDQP1a wklst 2391.batch.		
Analysis Time	5/17/2018 11:42 AM	Analyst Name	ISPUser
Report Time	5/17/2018 11:46 AM	Reporter Name	ISPUser
Last Calib Update	5/17/2018 11:42 AM	Batch State	Processed

Analysis Info

Acq Time	2018-05-11 05:36	Data File	a cal 1-5ng.d
Sample Type	Calibration	Sample Name	a cal 1-5ng.d
Dilution	1	Acq Method	MD Quant Panel 1a 1-19-2018.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	1.368	6569	27621	0.2378	6.3661
Hydromorphone	Hydromorphone-D6	2.029	21777	158724	0.1372	5.2946
Codeine	Codeine-D6	3.952	8648	79075	0.1094	5.5353
Oxycodone	Oxycodone-D6	4.310	68613	509575	0.1346	5.2212
Amphetamine	Amphetamine-D11	4.324	36966	84734	0.4363	4.9220
Hydrocodone	Hydrocodone-D6	4.615	21201	267290	0.0793	4.9580
Norhydrocodone	Norhydrocodone-D3	4.639	995	53661	0.0186	11.1174
Methamphetamine	Methamphetamine-D11	4.682	23069	124749	0.1849	5.4665
6-MAM	6-MAM-D6	4.829	1527	86348	0.0177	0.5457
Phentermine	Phentermine-D5	5.506	10979	212214	0.0517	4.9872
Dextrophan	Dextrophan-D3	6.002	19481	402777	0.0484	5.1212
7-aminoclonazepam	7-Aminoclonazepam-D4	6.113	59033	535226	0.1103	4.1895
Tramadol	Tramadol-13C-D3	6.139	210072	1947974	0.1078	5.1549
Doxylamine	Doxylamine-D5	6.483	84292	845932	0.0996	5.3339
Bupropion	Bupropion-D9	6.730	17798	154896	0.1149	5.0328
Meprobamate	Meprobamate-D7	6.813	33332	257148	0.1296	4.9500
Zolpidem	Zolpidem-D6	6.862	209941	2497939	0.0840	5.2064
Venlafaxine	Venlafaxine-D6	6.966	105092	907935	0.1157	5.6057
Trazodone	Trazodone-D6	7.055	37321	252224	0.1480	5.0688
Citalopram	Citalopram-D6	7.118	26725	246559	0.1084	6.3468

TS \$

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

a cal 1

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Dextromethorphan	Dextromethorphan-D3	7.150	8284	60244	0.1375	6.2176
Diphenhydramine	Diphenhydramine-D3	7.153	43068	537219	0.0802	5.1448
Promethazine	Promethazine-D3	7.368	21569	196587	0.1097	5.6128
Clonazepam	Clonazepam-D4	7.405	91971	169505	0.5426	5.0363
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.480	15751	170460	0.0924	5.0897
Carisoprodol	Carisoprodol-D7	7.494	81145	700059	0.1159	5.1858
Lorazepam	Alprazolam-D5	7.523	45749	1053604	0.0434	4.7299
Alprazolam	Alprazolam-D5	7.547	161075	1053604	0.1529	5.0964

TS \$

ISP FORENSICS - Pocatello Instrument # 59740

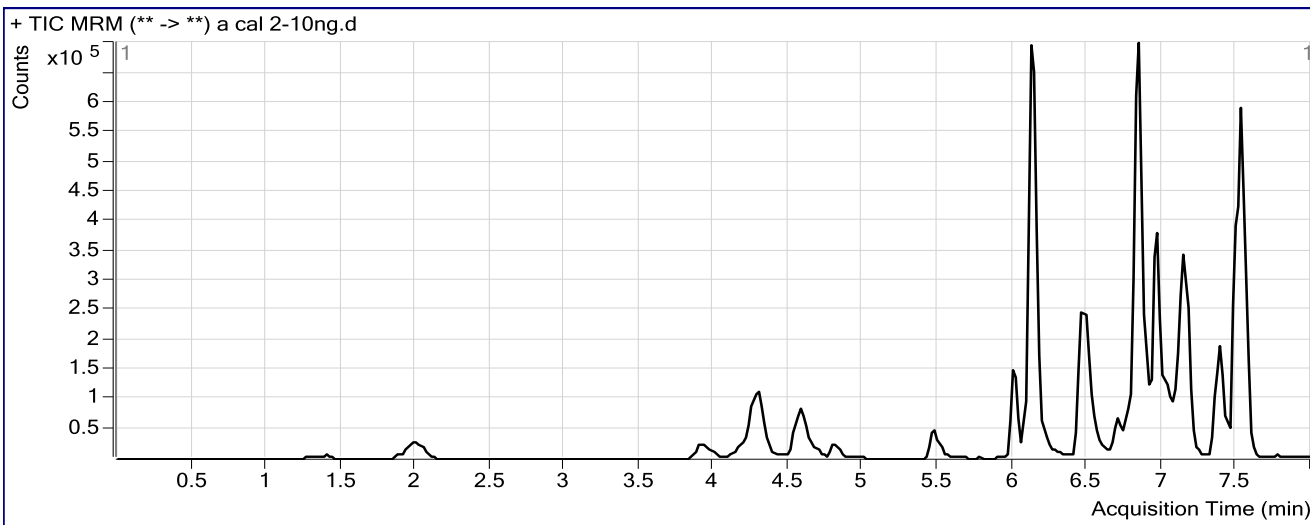
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\051018 MDQ P1 P2 SP\QuantResults\051018 MDQP1a wklst 2391.batch.
Analysis Time 5/17/2018 11:42 AM **Analyst Name** ISPUser
Report Time 5/17/2018 11:46 AM **Reporter Name** ISPUser
Last Calib Update 5/17/2018 11:42 AM **Batch State** Processed

Analysis Info

Acq Time 2018-05-11 06:07 **Data File** a cal 2-10ng.d
Sample Type Calibration **Sample Name** a cal 2-10ng.d
Dilution 1 **Acq Method** MD Quant Panel 1a 1-19-2018.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
Morphine	Morphine-D6	1.388	13346	26980	0.4947	10.6954
Hydromorphone	Hydromorphone-D6	2.029	41975	157603	0.2663	9.2742
Codeine	Codeine-D6	3.972	16501	73760	0.2237	9.9087
Oxycodone	Oxycodone-D6	4.310	126818	481533	0.2634	9.2766
Amphetamine	Amphetamine-D11	4.304	57728	71088	0.8121	10.2702
Hydrocodone	Hydrocodone-D6	4.615	39576	247610	0.1598	9.3851
Norhydrocodone	Norhydrocodone-D3	4.639	1465	50765	0.0289	13.2697
Methamphetamine	Methamphetamine-D11	4.682	35489	119285	0.2975	8.3943
6-MAM	6-MAM-D6	4.809	2152	84515	0.0255	0.8534
Phentermine	Phentermine-D5	5.526	20604	202342	0.1018	9.5147
Dextrophan	Dextrophan-D3	6.002	45195	434217	0.1041	9.7693
7-aminoclonazepam	7-Aminoclonazepam-D4	6.113	121276	521968	0.2323	9.4630
Tramadol	Tramadol-13C-D3	6.139	408459	1943502	0.2102	9.8075
Doxylamine	Doxylamine-D5	6.483	168151	981991	0.1712	8.9856
Bupropion	Bupropion-D9	6.710	44069	159702	0.2759	10.3556
Meprobamate	Meprobamate-D7	6.813	62248	234586	0.2654	9.9858
Zolpidem	Zolpidem-D6	6.862	419382	2441567	0.1718	9.7090
Venlafaxine	Venlafaxine-D6	6.966	240558	986608	0.2438	10.3827
Trazodone	Trazodone-D6	7.076	86099	289201	0.2977	9.8515
Citalopram	Citalopram-D6	7.097	62046	343777	0.1805	9.2547

TS \$

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

a cal 2

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Dextromethorphan	Dextromethorphan-D3	7.130	19186	83329	0.2302	9.4384
Diphenhydramine	Diphenhydramine-D3	7.153	120330	728782	0.1651	9.5394
Promethazine	Promethazine-D3	7.368	60923	248787	0.2449	10.3016
Clonazepam	Clonazepam-D4	7.385	170582	152650	1.1175	9.8566
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.460	32448	158294	0.2050	10.0355
Carisoprodol	Carisoprodol-D7	7.494	149059	654408	0.2278	9.3908
Lorazepam	Alprazolam-D5	7.523	71613	998483	0.0717	10.6015
Alprazolam	Alprazolam-D5	7.547	322215	998483	0.3227	9.8785

TS \$

ISP FORENSICS - Pocatello Instrument # 59740

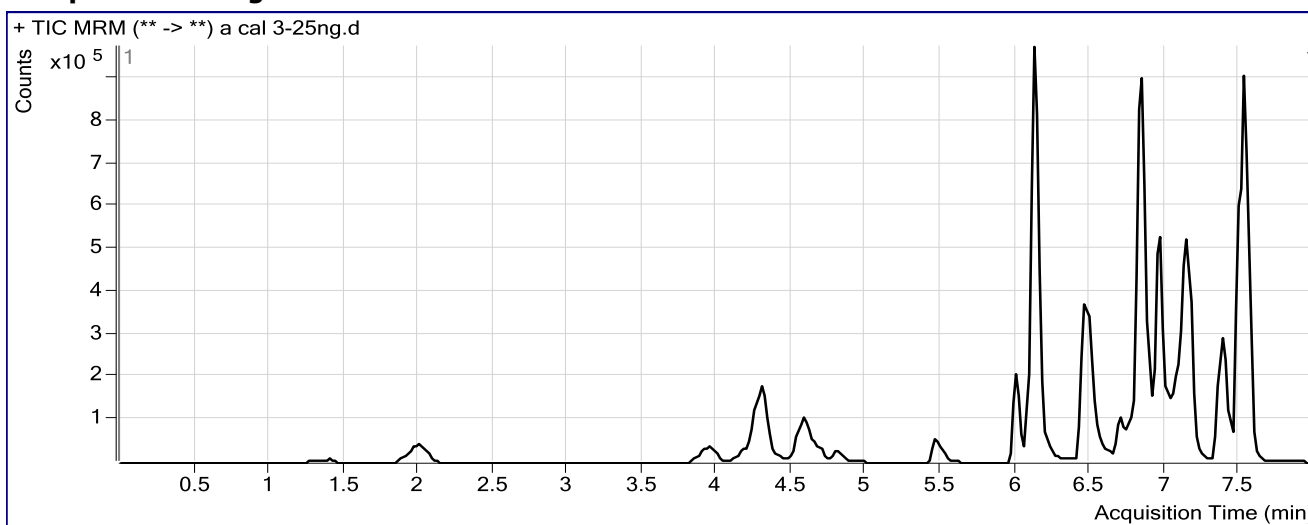
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\051018 MDQ P1 P2 SP\QuantResults\051018 MDQP1a wklst 2391.batch.
Analysis Time 5/17/2018 11:42 AM **Analyst Name** ISPUser
Report Time 5/17/2018 11:47 AM **Reporter Name** ISPUser
Last Calib Update 5/17/2018 11:42 AM **Batch State** Processed

Analysis Info

Acq Time 2018-05-11 06:39 **Data File** a cal 3-25ng.d
Sample Type Calibration **Sample Name** a cal 3-25ng.d
Dilution 1 **Acq Method** MD Quant Panel 1a 1-19-2018.m
Position P1-C1 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.368	31881	26578	1.1995	22.5785
Hydromorphone	Hydromorphone-D6	2.009	109501	155430	0.7045	22.7774
Codeine	Codeine-D6	3.972	43124	75425	0.5717	23.2208
Oxycodone	Oxycodone-D6	4.310	356124	483613	0.7364	24.1798
Amphetamine	Amphetamine-D11	4.304	156790	85344	1.8371	24.8579
Hydrocodone	Hydrocodone-D6	4.594	111209	256589	0.4334	24.4283
Norhydrocodone	Norhydrocodone-D3	4.618	4957	51337	0.0966	27.3980
Methamphetamine	Methamphetamine-D11	4.682	108080	120863	0.8942	23.9110
6-MAM	6-MAM-D6	4.809	5496	86375	0.0636	2.3636
Phentermine	Phentermine-D5	5.506	58995	214338	0.2752	25.1888
Dextrophan	Dextrophan-D3	6.002	121431	445775	0.2724	23.8108
7-aminoclonazepam	7-Aminoclonazepam-D4	6.113	311855	508690	0.6131	25.9131
Tramadol	Tramadol-13C-D3	6.139	1082745	2050217	0.5281	24.2642
Doxylamine	Doxylamine-D5	6.483	437138	966496	0.4523	23.3216
Bupropion	Bupropion-D9	6.710	116931	182625	0.6403	22.3972
Meprobamate	Meprobamate-D7	6.813	161828	232275	0.6967	25.9898
Zolpidem	Zolpidem-D6	6.842	1074089	2421374	0.4436	23.6610
Venlafaxine	Venlafaxine-D6	6.966	638863	1017663	0.6278	24.7037
Trazodone	Trazodone-D6	7.055	247323	328915	0.7519	24.3590
Citalopram	Citalopram-D6	7.097	206152	374697	0.5502	24.1671

TS \$

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

a cal 3

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Dextromethorphan	Dextromethorphan-D3	7.130	64494	109187	0.5907	21.9567
Diphenhydramine	Diphenhydramine-D3	7.153	365983	805117	0.4546	24.5150
Promethazine	Promethazine-D3	7.368	215078	341121	0.6305	23.6786
Clonazepam	Clonazepam-D4	7.405	407892	144945	2.8141	24.0827
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.460	78449	155700	0.5038	23.1651
Carisoprodol	Carisoprodol-D7	7.494	406078	637559	0.6369	24.7710
Lorazepam	Alprazolam-D5	7.523	150841	998355	0.1511	27.0686
Alprazolam	Alprazolam-D5	7.547	820554	998355	0.8219	23.9358

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

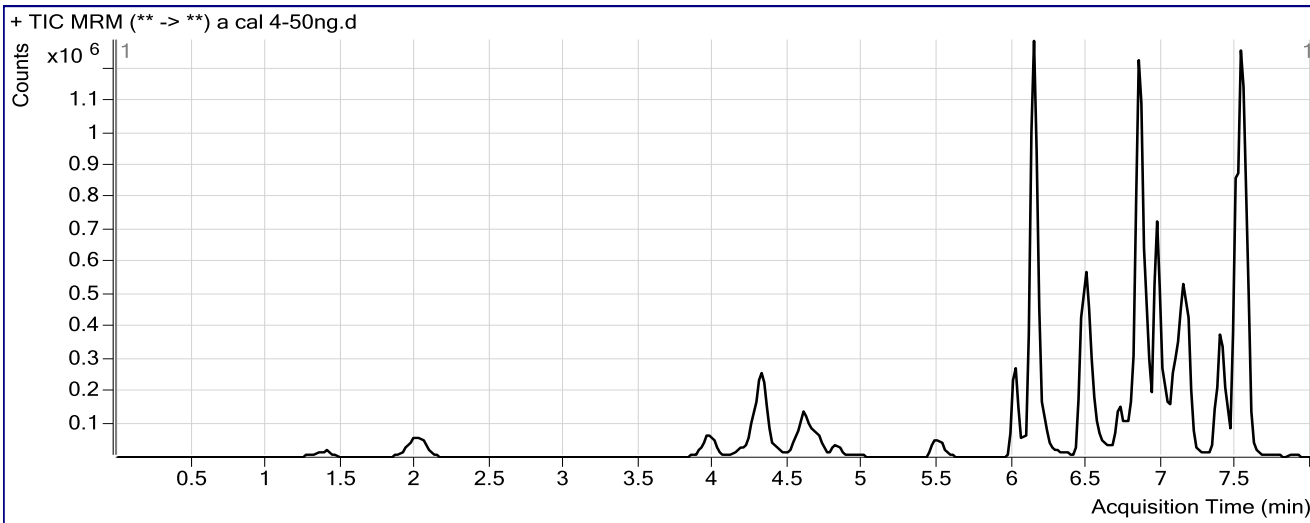
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Batch Data Path C:\MassHunter\Data\2018\MD Quant\051018 MDQ P1 P2 SP\QuantResults\051018 MDQP1a wklst 2391.batch.
Analysis Time 5/17/2018 11:42 AM **Analyst Name** ISPUser
Report Time 5/17/2018 11:47 AM **Reporter Name** ISPUser
Last Calib Update 5/17/2018 11:42 AM **Batch State** Processed

Analysis Info

Acq Time 2018-05-11 07:11 **Data File** a cal 4-50ng.d
Sample Type Calibration **Sample Name** a cal 4-50ng.d
Dilution 1 **Acq Method** MD Quant Panel 1a 1-19-2018.m
Position P1-D1 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.388	56871	25007	2.2742	40.6954
Hydromorphone	Hydromorphone-D6	2.029	209927	140649	1.4926	47.0632
Codeine	Codeine-D6	3.972	81579	69712	1.1702	46.1119
Oxycodone	Oxycodone-D6	4.330	691863	458421	1.5092	48.5295
Amphetamine	Amphetamine-D11	4.324	230409	65345	3.5261	48.8925
Hydrocodone	Hydrocodone-D6	4.615	220212	242623	0.9076	50.5034
Norhydrocodone	Norhydrocodone-D3	4.639	7959	48303	0.1648	41.6325
Methamphetamine	Methamphetamine-D11	4.682	223838	124796	1.7936	47.2981
6-MAM	6-MAM-D6	4.829	9925	84157	0.1179	4.5123
Phentermine	Phentermine-D5	5.526	101229	189611	0.5339	48.5650
Dextrophan	Dextrophan-D3	6.022	230129	410974	0.5600	47.7994
7-aminoclonazepam	7-Aminoclonazepam-D4	6.134	573493	457771	1.2528	53.5554
Tramadol	Tramadol-13C-D3	6.139	2073810	1968291	1.0536	48.1580
Doxylamine	Doxylamine-D5	6.483	900233	938869	0.9588	49.1599
Bupropion	Bupropion-D9	6.730	223693	162883	1.3733	46.6256
Meprobamate	Meprobamate-D7	6.813	300256	218615	1.3734	51.0975
Zolpidem	Zolpidem-D6	6.862	2101101	2253507	0.9324	48.7495
Venlafaxine	Venlafaxine-D6	6.966	1128120	919523	1.2269	47.0487
Trazodone	Trazodone-D6	7.076	394326	264879	1.4887	47.8907
Citalopram	Citalopram-D6	7.118	289765	268933	1.0775	45.4356

TS \$

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

a cal 4

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Dextromethorphan	Dextromethorphan-D3	7.150	85686	65319	1.3118	47.0028
Diphenhydramine	Diphenhydramine-D3	7.173	525166	567469	0.9255	48.8767
Promethazine	Promethazine-D3	7.368	271652	199020	1.3649	49.1561
Clonazepam	Clonazepam-D4	7.405	739485	118698	6.2300	52.7238
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.460	141907	131417	1.0798	48.4692
Carisoprodol	Carisoprodol-D7	7.494	739573	580527	1.2740	48.7177
Lorazepam	Alprazolam-D5	7.523	259311	894223	0.2900	55.8863
Alprazolam	Alprazolam-D5	7.547	1502759	894223	1.6805	48.1139

TS \$

ISP FORENSICS - Pocatello Instrument # 59740

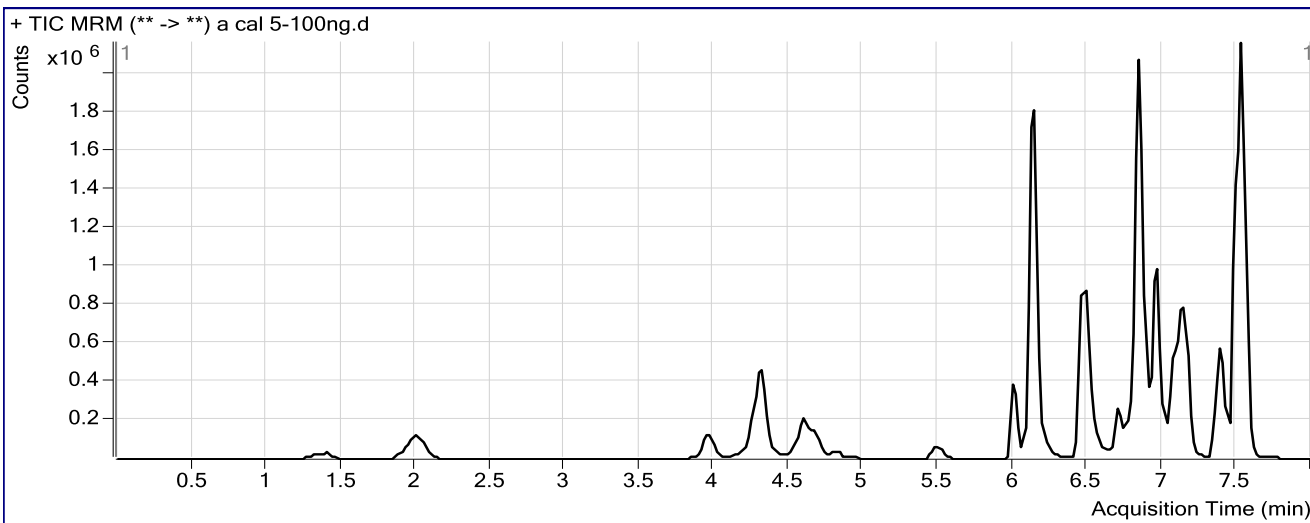
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\051018 MDQ P1 P2 SP\QuantResults\051018 MDQP1a wklst 2391.batch.
Analysis Time 5/17/2018 11:42 AM **Analyst Name** ISPUser
Report Time 5/17/2018 11:47 AM **Reporter Name** ISPUser
Last Calib Update 5/17/2018 11:42 AM **Batch State** Processed

Analysis Info

Acq Time 2018-05-11 07:42 **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 1-19-2018.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	1.368	129761	24757	5.2415	90.7189
Hydromorphone	Hydromorphone-D6	2.029	456530	143579	3.1796	99.0544
Codeine	Codeine-D6	3.972	169647	66011	2.5700	99.6509
Oxycodone	Oxycodone-D6	4.310	1442287	450858	3.1990	101.7674
Amphetamine	Amphetamine-D11	4.304	427733	55103	7.7624	109.1796
Hydrocodone	Hydrocodone-D6	4.594	427582	231777	1.8448	102.0346
Norhydrocodone	Norhydrocodone-D3	4.639	17518	42597	0.4112	93.0686
Methamphetamine	Methamphetamine-D11	4.682	397997	102829	3.8705	101.3025
6-MAM	6-MAM-D6	4.809	20253	77875	0.2601	10.1357
Phentermine	Phentermine-D5	5.526	176932	159995	1.1059	100.2636
Dextrophan	Dextrophan-D3	6.002	418793	351525	1.1914	100.4719
7-aminoclonazepam	7-Aminoclonazepam-D4	6.113	1183970	474144	2.4971	107.3191
Tramadol	Tramadol-13C-D3	6.139	3771368	1671362	2.2565	102.8506
Doxylamine	Doxylamine-D5	6.483	1547088	820184	1.8863	96.4654
Bupropion	Bupropion-D9	6.710	446766	140469	3.1805	106.3558
Meprobamate	Meprobamate-D7	6.813	591424	214960	2.7513	102.2183
Zolpidem	Zolpidem-D6	6.842	4360301	2269653	1.9211	99.5009
Venlafaxine	Venlafaxine-D6	6.966	1995561	811041	2.4605	93.0621
Trazodone	Trazodone-D6	7.055	802788	241298	3.3270	106.6028
Citalopram	Citalopram-D6	7.097	590713	250246	2.3605	97.1900

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ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

a cal 5

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Dextromethorphan	Dextromethorphan-D3	7.130	176094	63453	2.7752	97.8282
Diphenhydramine	Diphenhydramine-D3	7.153	972415	520356	1.8687	97.6791
Promethazine	Promethazine-D3	7.348	484978	182836	2.6525	93.8217
Clonazepam	Clonazepam-D4	7.385	1323256	107093	12.3562	104.0907
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.460	290800	136420	2.1316	94.6780
Carisoprodol	Carisoprodol-D7	7.494	1359496	553160	2.4577	93.2144
Lorazepam	Alprazolam-D5	7.503	430354	862839	0.4988	99.2036
Alprazolam	Alprazolam-D5	7.527	2950079	862839	3.4190	97.0697

TS \$

ISP FORENSICS - Pocatello Instrument # 59740

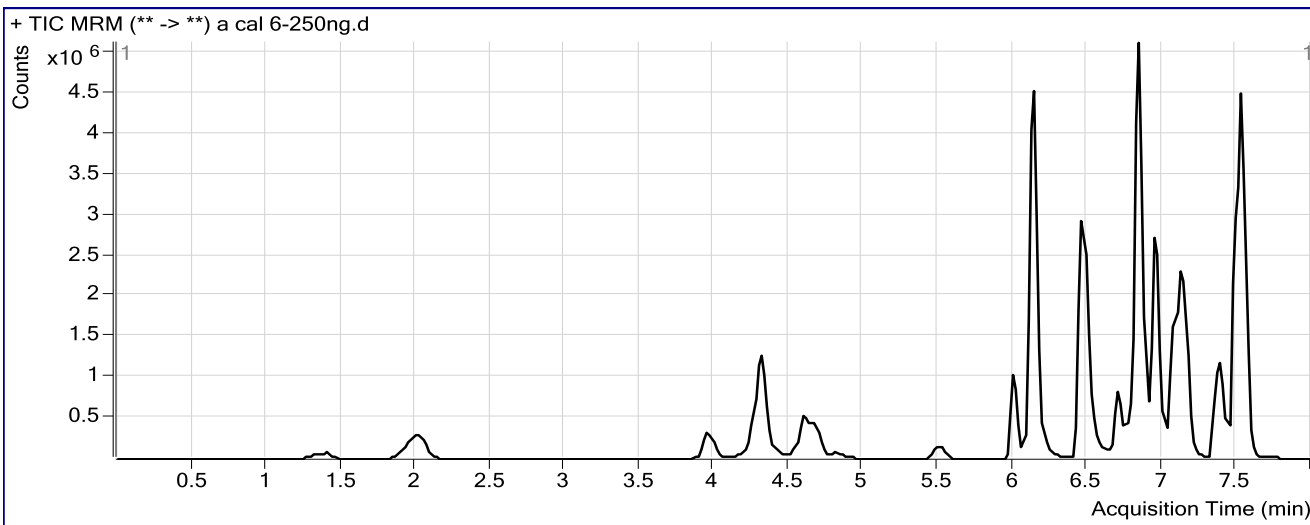
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\051018 MDQ P1 P2 SP\QuantResults\051018 MDQP1a wk1st 2391.batch.
Analysis Time 5/17/2018 11:42 AM **Analyst Name** ISPUser
Report Time 5/17/2018 11:47 AM **Reporter Name** ISPUser
Last Calib Update 5/17/2018 11:42 AM **Batch State** Processed

Analysis Info

Acq Time 2018-05-11 08:14 **Data File** a cal 6-250ng.d
Sample Type Calibration **Sample Name** a cal 6-250ng.d
Dilution 1 **Acq Method** MD Quant Panel 1a 1-19-2018.m
Position P1-F1 **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	1.368	353521	24049	14.7000	250.1726
Hydromorphone	Hydromorphone-D6	2.009	1270910	153483	8.2805	256.2484
Codeine	Codeine-D6	3.972	454475	68639	6.6213	254.6076
Oxycodone	Oxycodone-D6	4.310	4030556	507080	7.9486	251.4093
Amphetamine	Amphetamine-D11	4.304	1284088	67407	19.0496	269.8067
Hydrocodone	Hydrocodone-D6	4.594	1228618	257042	4.7798	263.4202
Norhydrocodone	Norhydrocodone-D3	4.639	53424	45189	1.1822	253.9618
Methamphetamine	Methamphetamine-D11	4.682	1224584	135212	9.0568	236.1640
6-MAM	6-MAM-D6	4.829	58410	88061	0.6633	26.0892
Phentermine	Phentermine-D5	5.526	614576	209210	2.9376	265.8230
Dextroprphan	Dextroprphan-D3	6.002	1330216	432312	3.0770	257.7737
7-aminoclonazepam	7-Aminoclonazepam-D4	6.113	2759372	466064	5.9206	255.2450
Tramadol	Tramadol-13C-D3	6.139	11748836	2134398	5.5045	250.5365
Doxylamine	Doxylamine-D5	6.463	5157993	1069010	4.8250	246.3641
Bupropion	Bupropion-D9	6.710	1458783	199199	7.3232	243.2774
Meprobamate	Meprobamate-D7	6.792	1415215	209967	6.7402	250.2096
Zolpidem	Zolpidem-D6	6.842	12376571	2432992	5.0870	261.9983
Venlafaxine	Venlafaxine-D6	6.945	6577795	1024687	6.4193	240.7222
Trazodone	Trazodone-D6	7.055	2453331	323232	7.5900	242.7606
Citalopram	Citalopram-D6	7.097	1885301	323350	5.8305	237.1574

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ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

a cal 6

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Dextromethorphan	Dextromethorphan-D3	7.130	592691	81190	7.3000	254.9821
Diphenhydramine	Diphenhydramine-D3	7.153	3381852	668085	5.0620	262.8866
Promethazine	Promethazine-D3	7.348	1777695	259278	6.8563	239.6487
Clonazepam	Clonazepam-D4	7.385	2618204	88083	29.7243	249.7190
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.460	647130	115553	5.6003	247.0632
Carisoprodol	Carisoprodol-D7	7.494	3459643	517030	6.6914	252.3609
Lorazepam	Alprazolam-D5	7.503	816591	827992	0.9862	200.3422
Alprazolam	Alprazolam-D5	7.527	7243829	827992	8.7487	247.1493

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

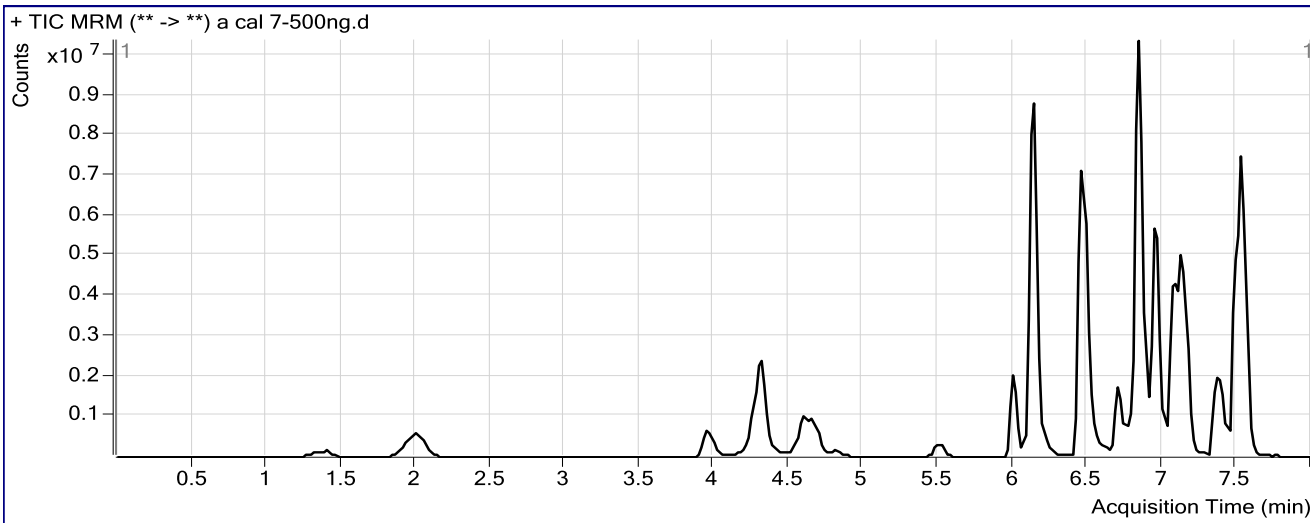
TSB

Batch Data Path C:\MassHunter\Data\2018\MD Quant\051018 MDQ P1 P2 SP\QuantResults\051018 MDQP1a wklst 2391.batch.
Analysis Time 5/17/2018 11:42 AM **Analyst Name** ISPUser
Report Time 5/17/2018 11:47 AM **Reporter Name** ISPUser
Last Calib Update 5/17/2018 11:42 AM **Batch State** Processed

Analysis Info

Acq Time 2018-05-11 08:45 **Data File** a cal 7-500ng.d
Sample Type Calibration **Sample Name** a cal 7-500ng.d
Dilution 1 **Acq Method** MD Quant Panel 1a 1-19-2018.m
Position P1-G1 **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	1.368	712164	23486	30.3223	513.5367
Hydromorphone	Hydromorphone-D6	2.009	2570475	150726	17.0540	526.6247
Codeine	Codeine-D6	3.952	902957	64707	13.9545	535.0960
Oxycodone	Oxycodone-D6	4.310	8344157	517343	16.1289	509.1416
Amphetamine	Amphetamine-D11	4.304	2255637	63437	35.5571	504.7220
Hydrocodone	Hydrocodone-D6	4.594	2568151	270108	9.5079	523.3945
Norhydrocodone	Norhydrocodone-D3	4.639	104989	43793	2.3974	507.5562
Methamphetamine	Methamphetamine-D11	4.682	2745452	129227	21.2452	553.1031
6-MAM	6-MAM-D6	4.809	122318	92831	1.3176	51.9790
Phentermine	Phentermine-D5	5.506	1255978	218164	5.7570	520.6547
Dextroprphan	Dextroprphan-D3	6.002	2745399	452501	6.0672	507.2200
7-aminoclonazepam	7-Aminoclonazepam-D4	6.113	5263005	428851	12.2723	529.6967
Tramadol	Tramadol-13C-D3	6.139	25584704	2218272	11.5336	524.6737
Doxylamine	Doxylamine-D5	6.463	12785977	1238270	10.3257	526.9398
Bupropion	Bupropion-D9	6.710	3338228	215698	15.4764	512.7492
Meprobamate	Meprobamate-D7	6.813	2466868	189417	13.0235	483.3274
Zolpidem	Zolpidem-D6	6.842	26906688	2599385	10.3512	532.2009
Venlafaxine	Venlafaxine-D6	6.945	15265307	1142863	13.3571	499.4932
Trazodone	Trazodone-D6	7.055	6528872	406714	16.0527	513.0536
Citalopram	Citalopram-D6	7.097	4294856	355867	12.0687	488.7840

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

a cal 7

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Dextromethorphan	Dextromethorphan-D3	7.130	1366315	96434	14.1684	493.5330
Diphenhydramine	Diphenhydramine-D3	7.153	7405594	741101	9.9927	517.9813
Promethazine	Promethazine-D3	7.348	4003919	277448	14.4312	502.4175
Clonazepam	Clonazepam-D4	7.385	4185450	69969	59.8182	502.0498
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.460	1133947	96109	11.7985	519.3641
Carisoprodol	Carisoprodol-D7	7.494	5909243	418384	14.1240	531.7560
Lorazepam	Alprazolam-D5	7.503	1374847	700242	1.9634	403.0808
Alprazolam	Alprazolam-D5	7.527	12931953	700242	18.4678	520.8355

TS \$

ISP FORENSICS - Pocatello Instrument # 59740

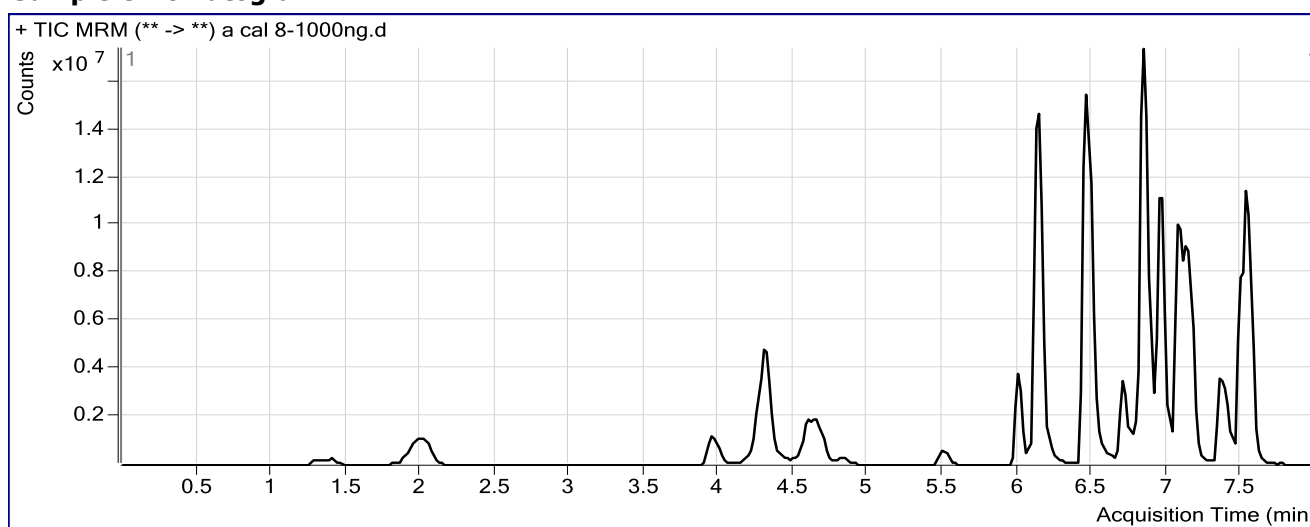
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\051018 MDQ P1 P2 SP\QuantResults\051018 MDQP1a wklst 2391.batch.
Analysis Time 5/17/2018 11:42 AM **Analyst Name** ISPUser
Report Time 5/17/2018 11:47 AM **Reporter Name** ISPUser
Last Calib Update 5/17/2018 11:42 AM **Batch State** Processed

Analysis Info

Acq Time 2018-05-11 09:17 **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 1-19-2018.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	1.368	1506277	25320	59.4890	1005.2363
Hydromorphone	Hydromorphone-D6	2.009	5389337	152170	35.4166	1092.5114
Codeine	Codeine-D6	3.952	1600318	63462	25.2169	965.8689
Oxycodone	Oxycodone-D6	4.310	17866914	537276	33.2546	1048.7131
Amphetamine	Amphetamine-D11	4.304	4076735	69294	58.8327	835.9539
Hydrocodone	Hydrocodone-D6	4.594	5046820	288681	17.4823	961.8760
Norhydrocodone	Norhydrocodone-D3	4.639	213135	40342	5.2832	1109.7856
Methamphetamine	Methamphetamine-D11	4.662	5821677	137579	42.3153	1100.9930
6-MAM	6-MAM-D6	4.809	256852	91387	2.8106	111.0489
Phentermine	Phentermine-D5	5.506	2464433	230897	10.6733	965.0031
Dextroprphan	Dextroprphan-D3	6.002	5271620	423234	12.4556	1040.1528
7-aminoclonazepam	7-Aminoclonazepam-D4	6.113	8681634	392719	22.1065	954.6183
Tramadol	Tramadol-13C-D3	6.139	49232154	2297577	21.4279	974.5547
Doxylamine	Doxylamine-D5	6.463	28327239	1296619	21.8470	1114.6155
Bupropion	Bupropion-D9	6.710	6867359	212906	32.2554	1067.3164
Meprobamate	Meprobamate-D7	6.813	4294857	165974	25.8767	960.1983
Zolpidem	Zolpidem-D6	6.842	49015005	2625933	18.6657	958.9738
Venlafaxine	Venlafaxine-D6	6.966	31842545	1167044	27.2848	1018.9817
Trazodone	Trazodone-D6	7.055	15768302	500924	31.4785	1005.7380
Citalopram	Citalopram-D6	7.097	8046460	315208	25.5275	1031.6642

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

a cal 8

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Dextromethorphan	Dextromethorphan-D3	7.130	2794123	96312	29.0111	1009.0412
Diphenhydramine	Diphenhydramine-D3	7.153	14537987	756926	19.2066	994.6751
Promethazine	Promethazine-D3	7.348	9041303	309443	29.2180	1015.3630
Clonazepam	Clonazepam-D4	7.405	6082642	53975	112.6941	945.4029
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.460	2001179	79365	25.2148	1108.7709
Carisoprodol	Carisoprodol-D7	7.494	9159391	327089	28.0028	1053.4668
Lorazepam	Alprazolam-D5	7.503	2403489	558683	4.3021	888.3050
Alprazolam	Alprazolam-D5	7.547	21256664	558683	38.0478	1072.1974

ISP FORENSICS - Pocatello Instrument # 59740

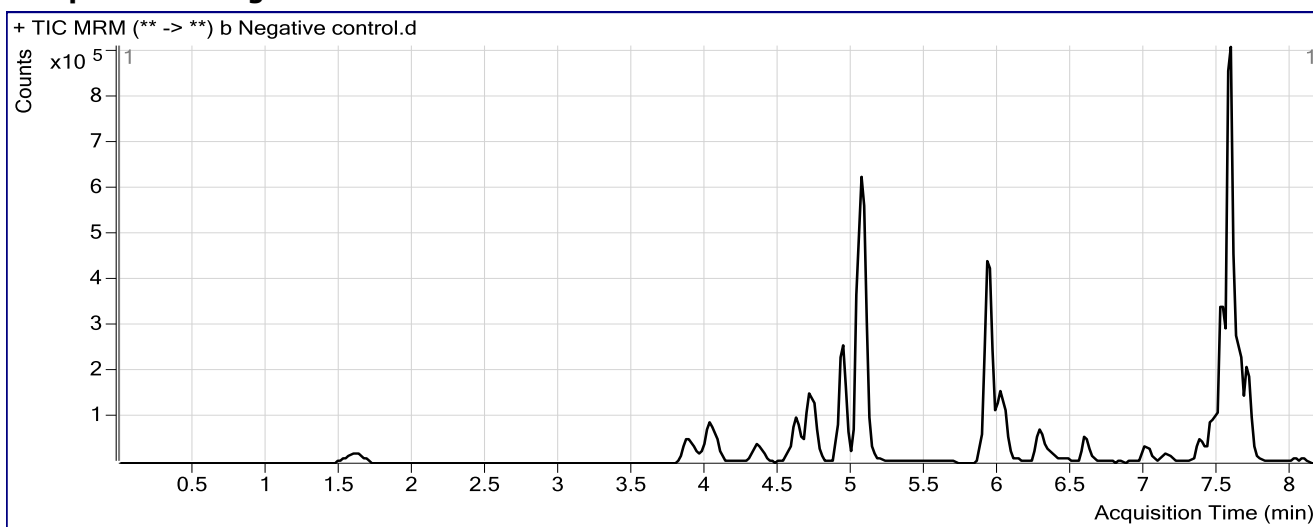
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\051018 MDQ P1 P2 SP\QuantResults\051018 MDQP1b wk1st 2391.batch.		
Analysis Time	5/17/2018 12:27 PM	Analyst Name	ISPUser
Report Time	5/17/2018 12:29 PM	Reporter Name	ISPUser
Last Calib Update	5/17/2018 12:27 PM	Batch State	Processed

Analysis Info

Acq Time	2018-05-11 10:20	Data File	b Negative control.d
Sample Type	Sample	Sample Name	b Negative control.d
Dilution	1	Acq Method	MD Quant Panel 1b 12-12-17.m
Position	P1-E2	Sample Info	
Inj Vol	-1	Comment	AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.523	3435	164986	0.0208	3.4787 <25
Oxazepam	Oxazepam-D5	7.529	3873	928125	0.0042	2.4055 <5
Temazepam	Temazepam-D5	7.587	11700	2665795	0.0044	1.7402 <5
Nordiazepam	Nordiazepam-D5	7.676	7153	661712	0.0108	1.2065 <5
Diazepam	Diazepam-D5	7.712	6035	543376	0.0111	1.4170 <5

ISP FORENSICS - Pocatello Instrument # 59740

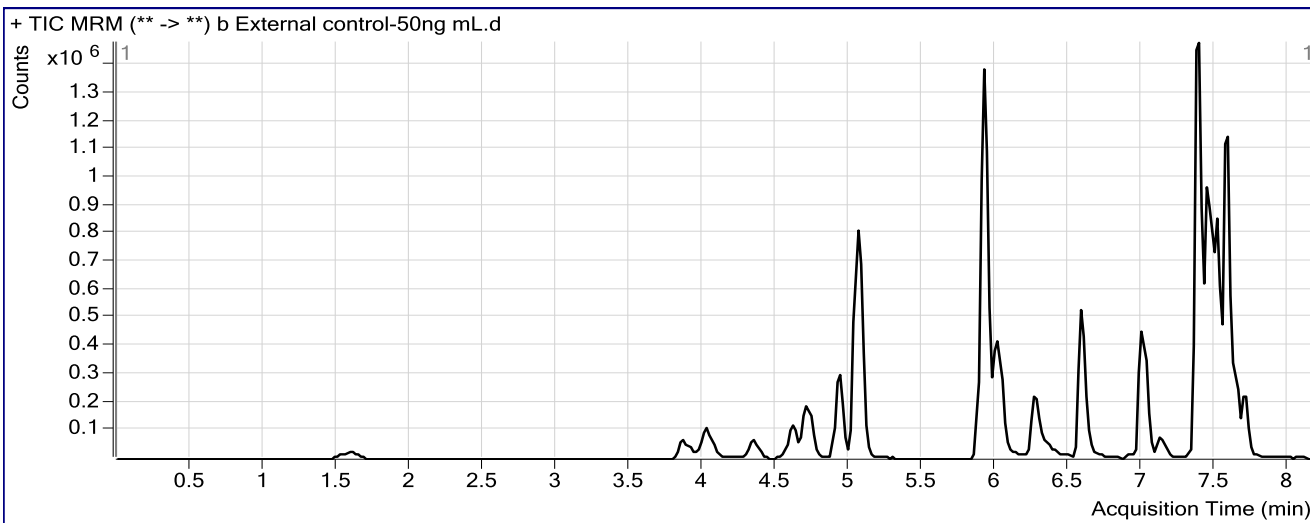
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\051018 MDQ P1 P2 SP\QuantResults\051018 MDQP1b wk1st 2391.batch.		
Analysis Time	5/17/2018 12:27 PM	Analyst Name	ISPUser
Report Time	5/17/2018 12:29 PM	Reporter Name	ISPUser
Last Calib Update	5/17/2018 12:27 PM	Batch State	Processed

Analysis Info

Acq Time	2018-05-11 10:51	Data File	b External control-50ng mL.d
Sample Type	Sample	Sample Name	b External control-50ng mL.d
Dilution	1	Acq Method	MD Quant Panel 1b 12-12-17.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
Ketamine	Ketamine-D4	5.921	2365794	1524973	1.5514	64.6896
Quetiapine	Quetiapine-D8	7.380	2600060	506849	5.1299	42.4449
Sufentanil	Sufentanil-D5	7.379	1614	911191	0.0018	0.2661 <1
Fluoxetine	Fluoxetine-D6	7.404	2758	1491814	0.0018	2.6961 <25
Temazepam	Temazepam-D5	7.587	6029	2446820	0.0025	1.6459 <5

TS \$

ISP FORENSICS - Pocatello Instrument # 59740

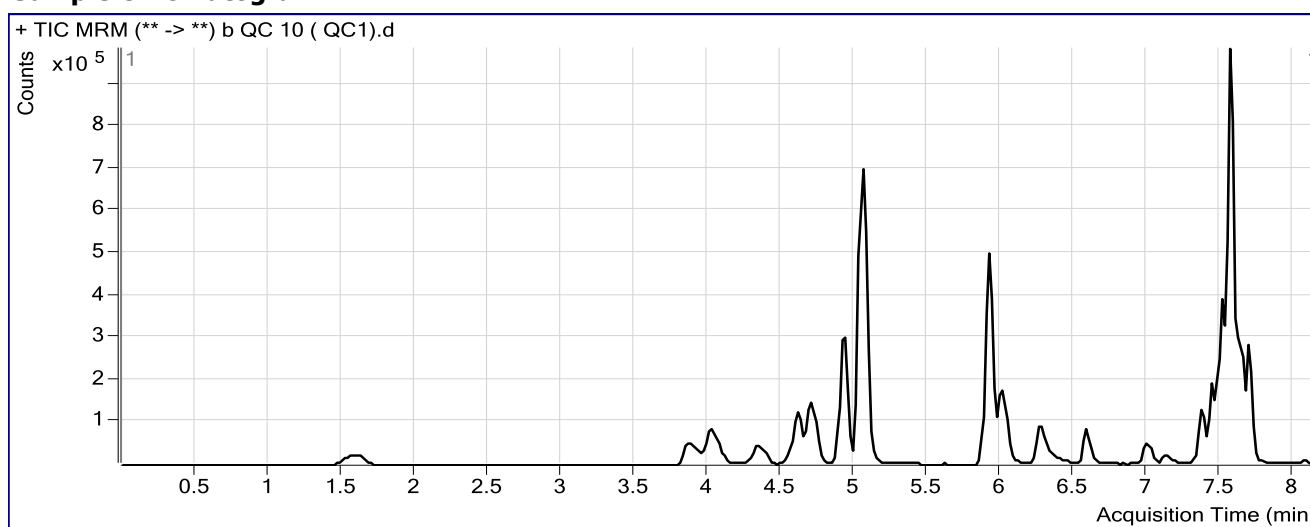
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\051018 MDQ P1 P2 SP\QuantResults\051018 MDQP1b wklst 2391.batch.
Analysis Time 5/17/2018 12:27 PM **Analyst Name** ISPUser
Report Time 5/17/2018 12:29 PM **Reporter Name** ISPUser
Last Calib Update 5/17/2018 12:27 PM **Batch State** Processed

Analysis Info

Acq Time 2018-05-11 11:54 **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 12-12-17.m
Position P1-A2 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.608	47061	181413	0.2594	9.5265
Dihydrocodeine	Dihydrocodeine-D6	3.935	37785	231822	0.1630	9.5666
Naloxone	Naloxone-D5	4.092	70264	462577	0.1519	9.4725
Noroxycodone	Noroxycodone-D3	4.379	59383	209100	0.2840	10.2304
Naltrexone	Naltrexone-D3	4.631	85996	414406	0.2075	9.8042
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.764	12103	603255	0.0201	0.8188
Naltrexol	Naltrexol-D3	4.930	215043	933237	0.2304	9.6630
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.056	480573	2271996	0.2115	9.7886
Ketamine	Ketamine-D4	5.921	198861	905714	0.2196	9.6164
Norfentanyl	Norfentanyl-D5	5.944	15207	949207	0.0160	1.2357
alpha-PVP	alpha-PVP-d8	6.288	76062	419621	0.1813	10.0912
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.601	4742	319426	0.0148	1.1545
Norbuprenorphine	Norbuprenorphine-D3	6.914	180	8193	0.0219	0.1444 <small>did not evaluate</small>
Fentanyl	Fentanyl-D5	7.019	2750	182858	0.0150	1.0923
EDDP	EDDP-D3	7.150	14851	67302	0.2207	11.5324
Quetiapine	Quetiapine-D8	7.360	157877	137712	1.1464	10.0202
Sufentanil	Sufentanil-D5	7.379	3123	102216	0.0306	1.4973
Cyclobenzaprine	Cyclobenzaprine-D3	7.433	16163	67067	0.2410	9.0839
Methadone	Methadone-D9	7.443	94619	417517	0.2266	9.1043

TS \$

TS \$

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

b QC 10 (QC1)

TS \$	Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
	Fluoxetine	Fluoxetine-D6	7.504	41125	185006	0.2223	11.7906 <small>outside curve range</small>
	Oxazepam	Oxazepam-D5	7.529	119807	713910	0.1678	10.9862
	Sertraline	Sertraline-D3	7.565	16547	80421	0.2058	11.6091
	Temazepam	Temazepam-D5	7.567	406578	2314477	0.1757	10.1363
TS \$	Buprenorphine	Buprenorphine-D4	7.637	2347	86007	0.0273	2.2096 <small>outside curve range</small>
	Nordiazepam	Nordiazepam-D5	7.655	180617	532317	0.3393	10.2102
	Diazepam	Diazepam-D5	7.692	113841	436016	0.2611	10.6323

TS \$

ISP FORENSICS - Pocatello Instrument # 59740

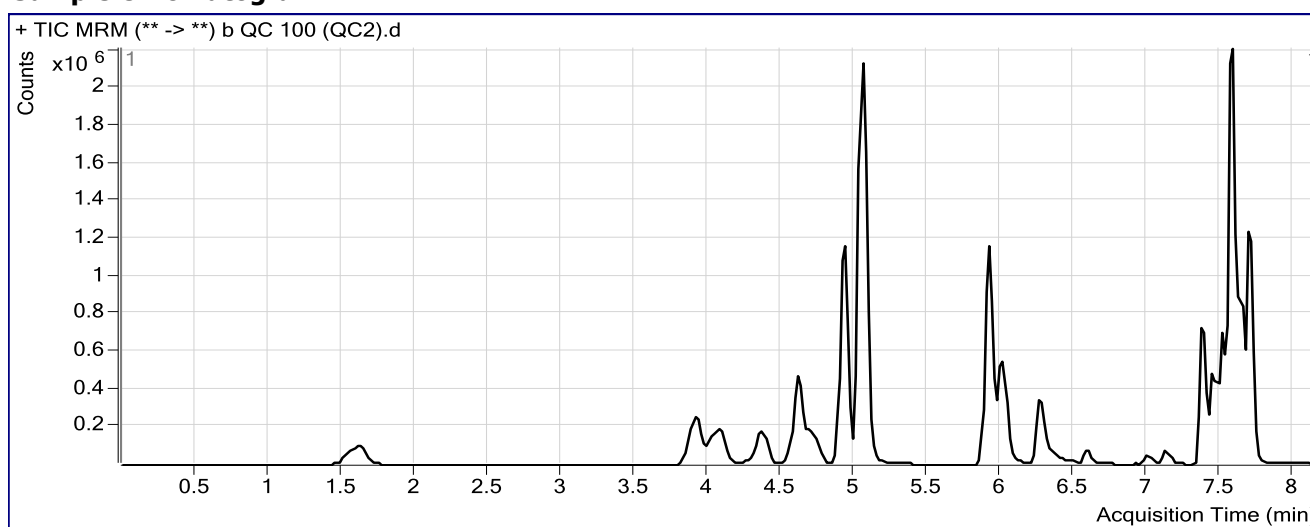
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\051018 MDQ P1 P2 SP\QuantResults\051018 MDQP1b wklst 2391.batch.
Analysis Time 5/17/2018 12:27 PM **Analyst Name** ISPUser
Report Time 5/17/2018 12:29 PM **Reporter Name** ISPUser
Last Calib Update 5/17/2018 12:27 PM **Batch State** Processed

Analysis Info

Acq Time 2018-05-11 14:00 **Data File** b QC 100 (QC2).d
Sample Type QC **Sample Name** b QC 100 (QC2).d
Dilution 1 **Acq Method** MD Quant Panel 1b 12-12-17.m
Position P1-B2 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.608	605551	193980	3.1217	99.2911
Dihydrocodeine	Dihydrocodeine-D6	3.915	502309	265034	1.8953	103.4410
Naloxone	Naloxone-D5	4.092	812260	474308	1.7125	94.3539
Noroxycodone	Noroxycodone-D3	4.379	669121	207319	3.2275	95.5041
Naltrexone	Naltrexone-D3	4.611	974595	420434	2.3181	100.9934
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.764	162924	616907	0.2641	9.6702
Naltrexol	Naltrexol-D3	4.930	2619285	1033266	2.5350	100.4099
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.056	5709070	2586268	2.2075	100.9786
Ketamine	Ketamine-D4	5.921	2445141	993075	2.4622	102.3543
Norfentanyl	Norfentanyl-D5	5.944	189364	970279	0.1952	9.3452
alpha-PVP	alpha-PVP-d8	6.268	887687	446046	1.9901	98.1416
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.601	32442	244500	0.1327	8.4154
Norbuprenorphine	Norbuprenorphine-D3	6.914	1167	6738	0.1732	8.3546 did not evaluate
Fentanyl	Fentanyl-D5	6.999	19745	133625	0.1478	8.8247
EDDP	EDDP-D3	7.130	126084	68267	1.8469	86.2915
Quetiapine	Quetiapine-D8	7.360	1543193	131865	11.7028	95.9481
Sufentanil	Sufentanil-D5	7.379	16621	75141	0.2212	9.6527
Cyclobenzaprine	Cyclobenzaprine-D3	7.433	168217	59799	2.8130	96.3469
Methadone	Methadone-D9	7.463	804355	295068	2.7260	104.2962

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ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

b QC 100 (QC2)

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.504	428362	188175	2.2764	96.5349
Oxazepam	Oxazepam-D5	7.529	665742	372434	1.7875	95.9160
Sertraline	Sertraline-D3	7.565	168025	86700	1.9380	98.9236
Temazepam	Temazepam-D5	7.587	3515418	1883793	1.8661	93.0033
Buprenorphine	Buprenorphine-D4	7.637	21832	60400	0.3615	9.0091
Nordiazepam	Nordiazepam-D5	7.655	1653203	448724	3.6842	101.8919
Diazepam	Diazepam-D5	7.712	1342066	512364	2.6194	97.5652

TS \$

ISP FORENSICS - Pocatello Instrument # 59740

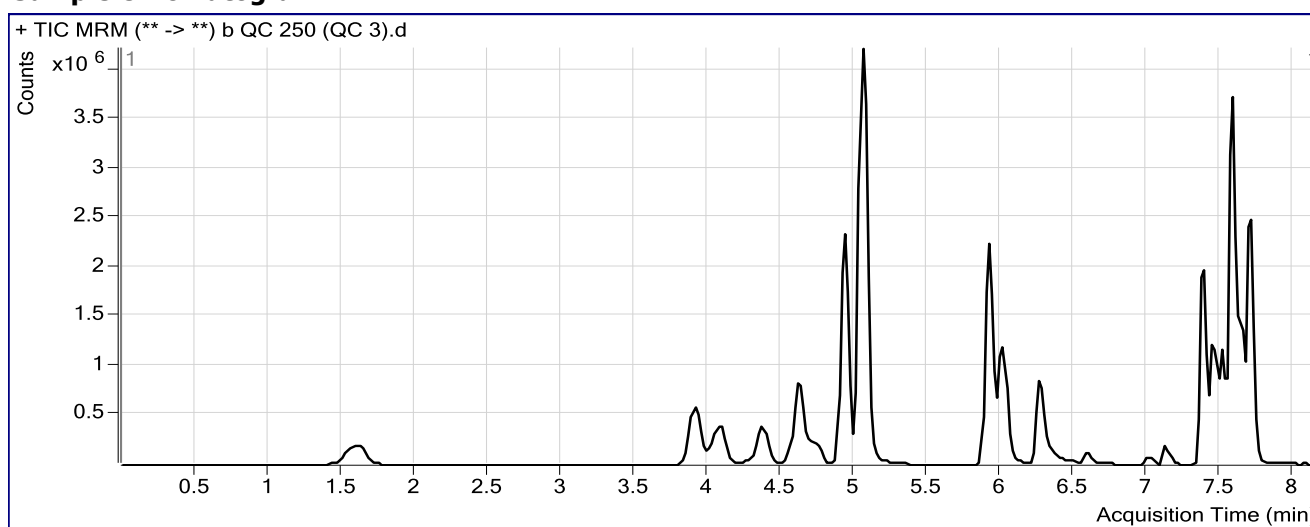
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\051018 MDQ P1 P2 SP\QuantResults\051018 MDQP1b wk1st 2391.batch.
Analysis Time 5/17/2018 12:27 PM **Analyst Name** ISPUser
Report Time 5/17/2018 12:29 PM **Reporter Name** ISPUser
Last Calib Update 5/17/2018 12:27 PM **Batch State** Processed

Analysis Info

Acq Time 2018-05-11 16:37 **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 12-12-17.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	1.608	1447883	177674	8.1491	256.9537
Dihydrocodeine	Dihydrocodeine-D6	3.915	1161510	252071	4.6079	250.4417
Naloxone	Naloxone-D5	4.092	1790150	392192	4.5645	249.4711
Noroxycodone	Noroxycodone-D3	4.379	1555160	181569	8.5651	250.1352
Naltrexone	Naltrexone-D3	4.631	2041401	352446	5.7921	251.0929
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.764	421473	614097	0.6863	24.9849
Naltrexol	Naltrexol-D3	4.930	6074899	941034	6.4556	254.7939
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.056	14033193	2472166	5.6765	259.4708
Ketamine	Ketamine-D4	5.921	6037185	1015322	5.9461	246.4213
Norfentanyl	Norfentanyl-D5	5.964	516871	988389	0.5229	24.1831
alpha-PVP	alpha-PVP-d8	6.268	2183287	454243	4.8064	235.2318
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.601	98735	276776	0.3567	22.2200
Norbuprenorphine	Norbuprenorphine-D3	6.914	4167	8247	0.5052	26.3667 <small>did not evaluate</small>
Fentanyl	Fentanyl-D5	7.019	63571	150549	0.4223	24.8156
EDDP	EDDP-D3	7.130	400561	69385	5.7730	266.7700
Quetiapine	Quetiapine-D8	7.380	4450691	144429	30.8159	251.5269
Sufentanil	Sufentanil-D5	7.379	49064	93535	0.5246	22.6301
Cyclobenzaprine	Cyclobenzaprine-D3	7.433	529597	67095	7.8933	268.7078
Methadone	Methadone-D9	7.463	2270020	359828	6.3086	240.7453

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

TS \$

b QC 250 (QC3)

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.504	1167621	202537	5.7650	240.4591
Oxazepam	Oxazepam-D5	7.529	933999	214563	4.3530	230.4367
Sertraline	Sertraline-D3	7.565	464075	86255	5.3802	272.4316
Temazepam	Temazepam-D5	7.587	6976187	1437072	4.8544	239.4902
Buprenorphine	Buprenorphine-D4	7.637	60113	68331	0.8797	19.5548
Nordiazepam	Nordiazepam-D5	7.655	2967611	333147	8.9078	245.0661
Diazepam	Diazepam-D5	7.712	3030878	445650	6.8010	251.7143

TS \$

ISP FORENSICS - Pocatello Instrument # 59740

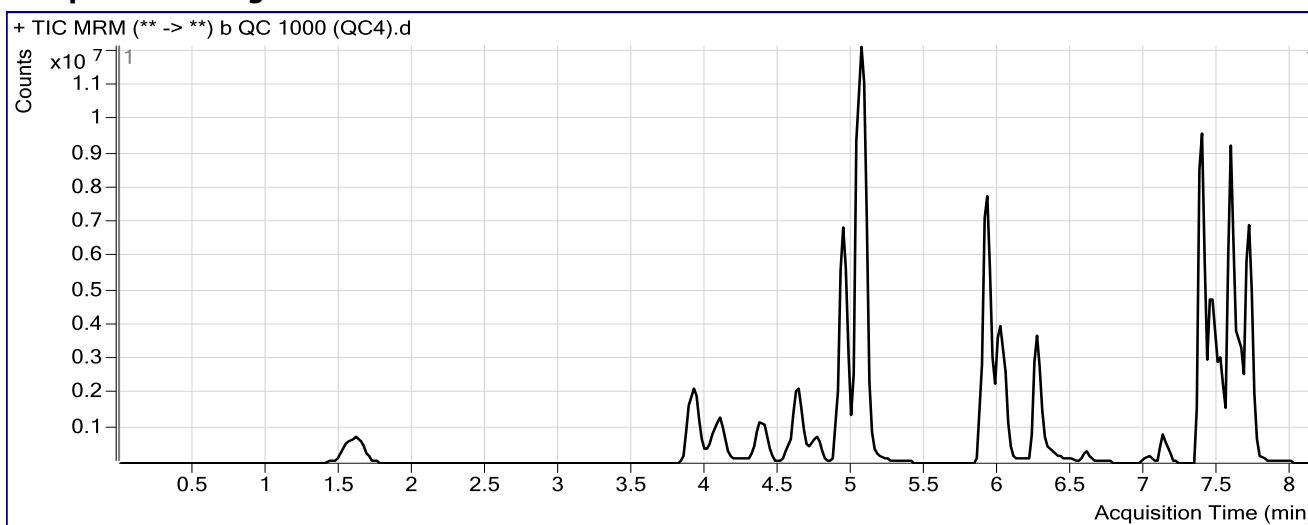
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\051018 MDQ P1 P2 SP\QuantResults\051018 MDQP1b wklst 2391.batch.
Analysis Time 5/17/2018 12:27 PM **Analyst Name** ISPUser
Report Time 5/17/2018 12:29 PM **Reporter Name** ISPUser
Last Calib Update 5/17/2018 12:27 PM **Batch State** Processed

Analysis Info

Acq Time 2018-05-11 18:43 **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 12-12-17.m
Position P1-D2 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.608	5713652	173379	32.9548	1034.8822
Dihydrocodeine	Dihydrocodeine-D6	3.915	4539186	259691	17.4792	947.9600
Naloxone	Naloxone-D5	4.092	6232254	313197	19.8988	1083.5011
Noroxycodone	Noroxycodone-D3	4.379	5416414	151241	35.8131	1039.5128
Naltrexone	Naltrexone-D3	4.631	5910065	252398	23.4157	1012.5423
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.764	1970081	659749	2.9861	108.3997
Naltrexol	Naltrexol-D3	4.930	20753428	845392	24.5489	967.2665
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.056	50822062	2347452	21.6499	989.2616
Ketamine	Ketamine-D4	5.921	25432023	1056433	24.0735	996.0314
Norfentanyl	Norfentanyl-D5	5.964	2265899	972188	2.3307	106.0178
alpha-PVP	alpha-PVP-d8	6.268	9230009	454423	20.3115	989.9764
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.601	519678	329083	1.5792	97.5406
Norbuprenorphine	Norbuprenorphine-D3	6.914	17225	7606	2.2647	121.8254 did not evaluate
Fentanyl	Fentanyl-D5	7.019	291335	155119	1.8781	109.6308
EDDP	EDDP-D3	7.130	1813285	79747	22.7378	1046.6361
Quetiapine	Quetiapine-D8	7.380	21946810	191757	114.4509	932.3094
Sufentanil	Sufentanil-D5	7.379	214150	87646	2.4433	104.7133
Cyclobenzaprine	Cyclobenzaprine-D3	7.433	2186403	73815	29.6202	1005.8501
Methadone	Methadone-D9	7.463	9493411	362377	26.1976	998.2435

TS \$

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

b QC 1000 (QC4)

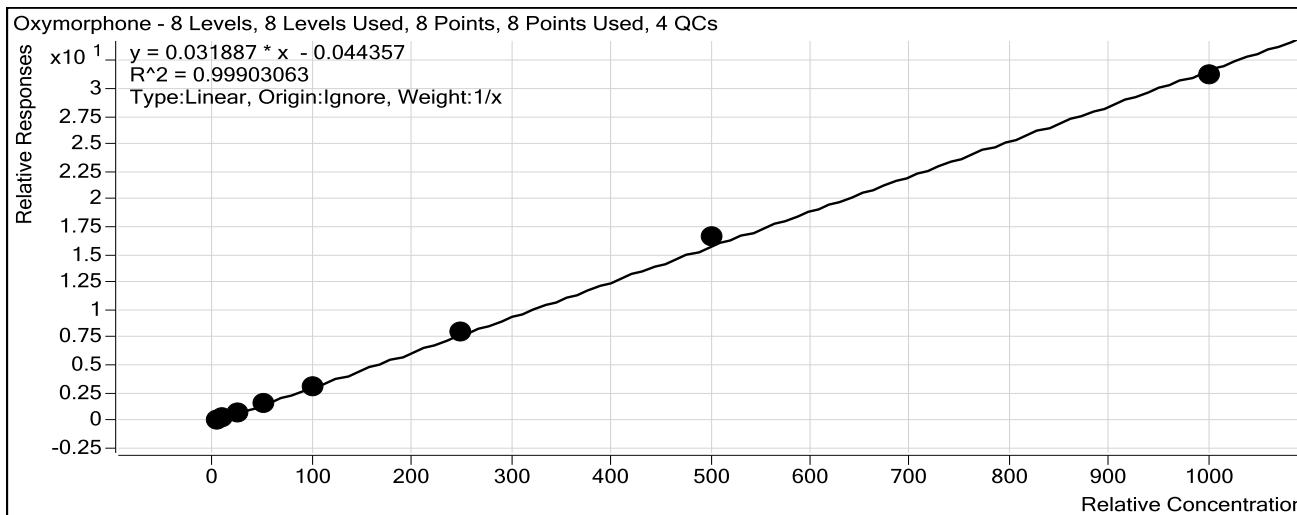
Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.504	3243463	155514	20.8564	863.0693
Oxazepam	Oxazepam-D5	7.529	2219712	117246	18.9321	994.8864
Sertraline	Sertraline-D3	7.565	1488630	64911	22.9333	1157.1987
Temazepam	Temazepam-D5	7.587	18603454	912474	20.3879	1000.9417
Buprenorphine	Buprenorphine-D4	7.637	244789	49595	4.9358	102.0857
Nordiazepam	Nordiazepam-D5	7.655	6949126	197606	35.1666	964.7972
Diazepam	Diazepam-D5	7.712	9590195	336698	28.4830	1050.9789

ISP Forensics Calibration Curve Report



Batch Data Path C:\MassHunter\Data\2018\MD Quant\051018 MDQ P1 P2 SP\QuantResults\051018 MDQP1b
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Last Calib Update 5/17/2018 12:27 PM **Analyst Name** ISP TOX

Target Compound Oxymorphone
Internal Standard Oxymorphone-D3



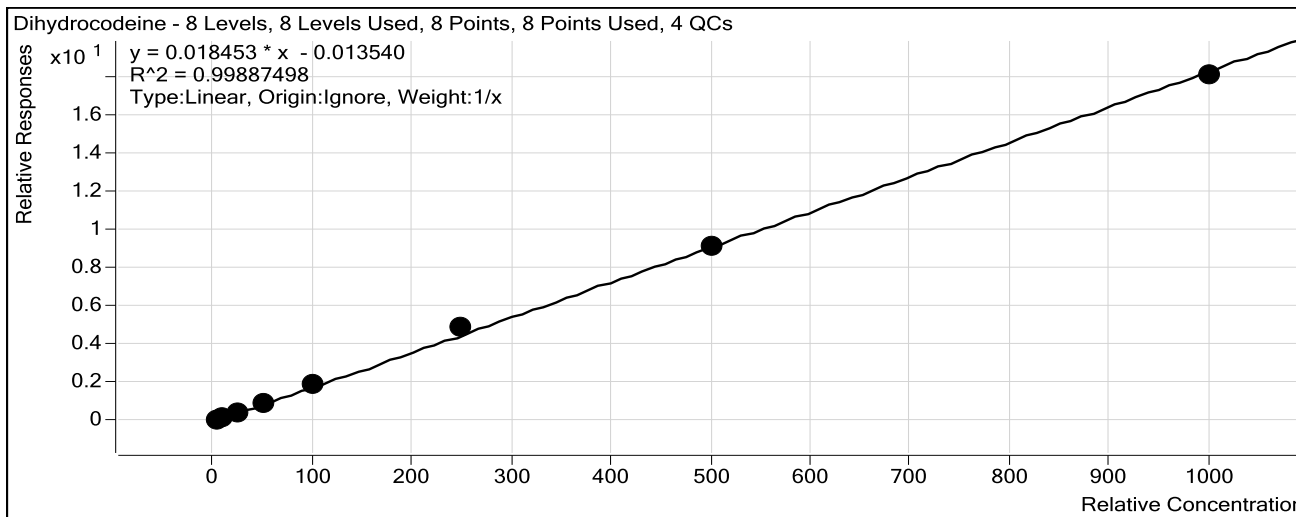
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b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.7	97.3
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.5	95.3
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.4	93.5
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	48.1	96.2
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	99.0	99.0
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	99.3	99.3
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	251.1	100.4
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	257.0	102.8
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	523.0	104.6
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	980.0	98.0
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	1034.9	103.5

ISP Forensics Calibration Curve Report

TS \$

Batch Data Path C:\MassHunter\Data\2018\MD Quant\051018 MDQ P1 P2 SP\QuantResults\051018 MDQP1b
 wklst 2391.batch.bin
Last Calib Update 5/17/2018 12:27 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	5.0	99.3
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.3	93.5
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.6	95.7
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	24.3	97.2
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	50.6	101.3
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	103.8	103.8
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	103.4	103.4
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	268.9	107.6
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	250.4	100.2
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	495.6	99.1
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	982.4	98.2
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	948.0	94.8

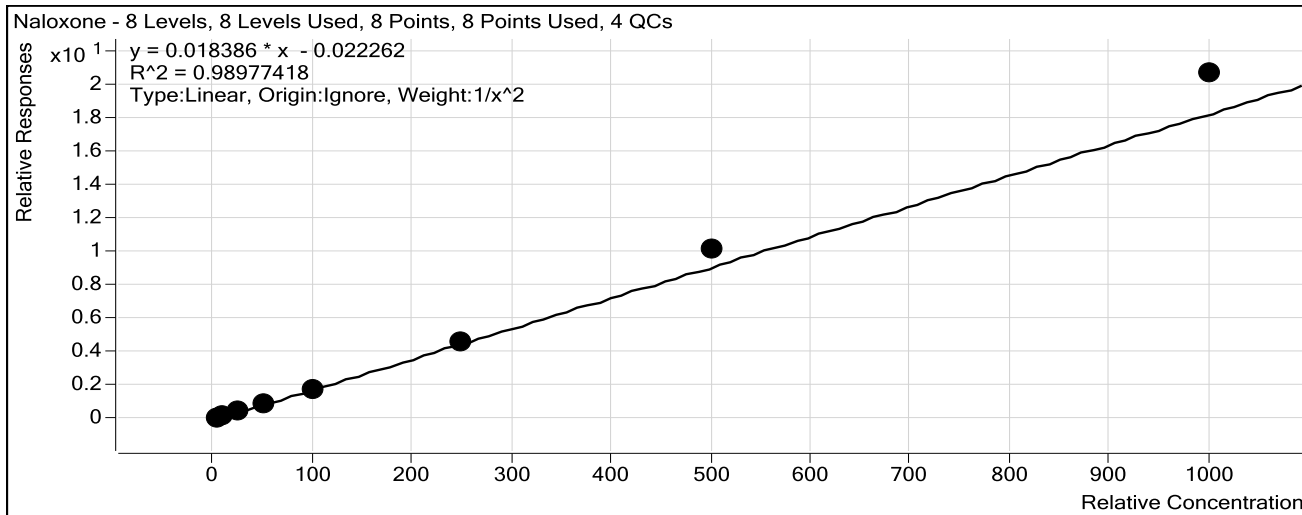
ISP Forensics Calibration Curve Report

TS \$

Batch Data Path C:\MassHunter\Data\2018\MD Quant\051018 MDQ P1 P2 SP\QuantResults\051018 MDQP1b
wk1st 2391.batch.bin

Last Calib Update 5/17/2018 12:27 PM **Analyst Name** ISP TOX

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



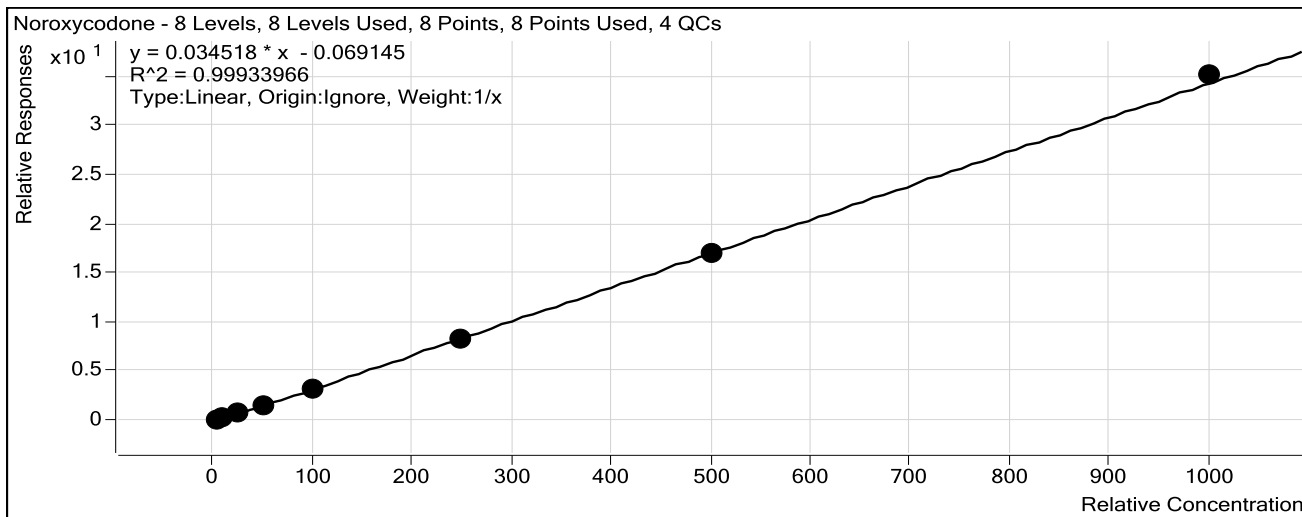
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b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.3	93.3
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.5	94.7
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	22.3	89.1
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	45.7	91.4
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	97.5	97.5
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	94.4	94.4
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	249.2	99.7
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	249.5	99.8
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	550.4	110.1
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1125.9	112.6
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	1083.5	108.4

ISP Forensics Calibration Curve Report

TS \$

Batch Data Path C:\MassHunter\Data\2018\MD Quant\051018 MDQ P1 P2 SP\QuantResults\051018 MDQP1b
 wklst 2391.batch.bin
Last Calib Update 5/17/2018 12:27 PM **Analyst Name** ISP TOX

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



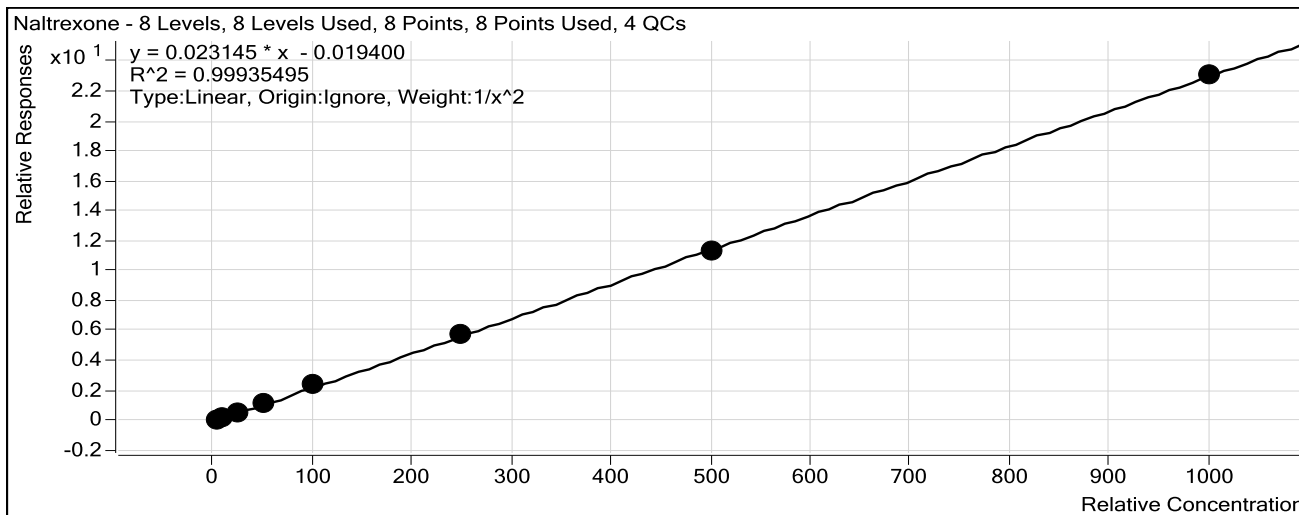
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b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.8	98.3
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.2	102.3
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.3	93.1
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	46.1	92.3
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	95.5	95.5
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	243.3	97.3
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	250.1	100.1
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	496.8	99.4
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1017.0	101.7
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	1039.5	104.0

ISP Forensics Calibration Curve Report

TS \$

Batch Data Path C:\MassHunter\Data\2018\MD Quant\051018 MDQ P1 P2 SP\QuantResults\051018 MDQP1b
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Last Calib Update 5/17/2018 12:27 PM **Analyst Name** ISP TOX

Target Compound Naltrexone
Internal Standard Naltrexone-D3



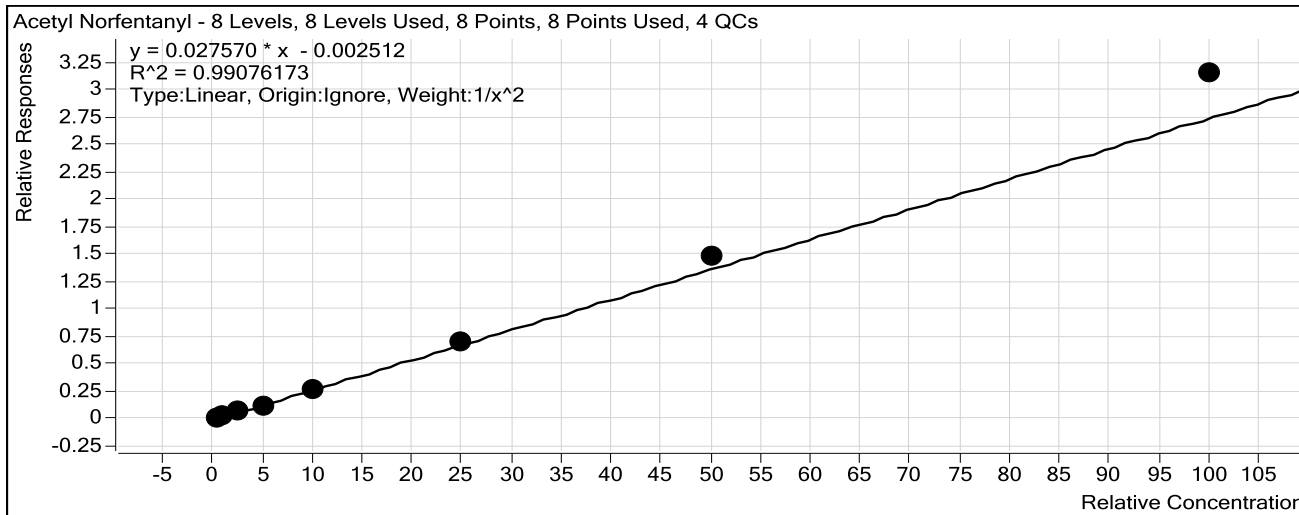
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b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	10.0	100.5
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.8	98.0
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	24.1	96.4
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	50.7	101.3
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	103.9	103.9
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	101.0	101.0
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	249.8	99.9
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	251.1	100.4
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	490.9	98.2
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	996.5	99.7
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	1012.5	101.3

ISP Forensics Calibration Curve Report

TS \$

Batch Data Path C:\MassHunter\Data\2018\MD Quant\051018 MDQ P1 P2 SP\QuantResults\051018 MDQP1b
 wklst 2391.batch.bin
Last Calib Update 5/17/2018 12:27 PM **Analyst Name** ISP TOX

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



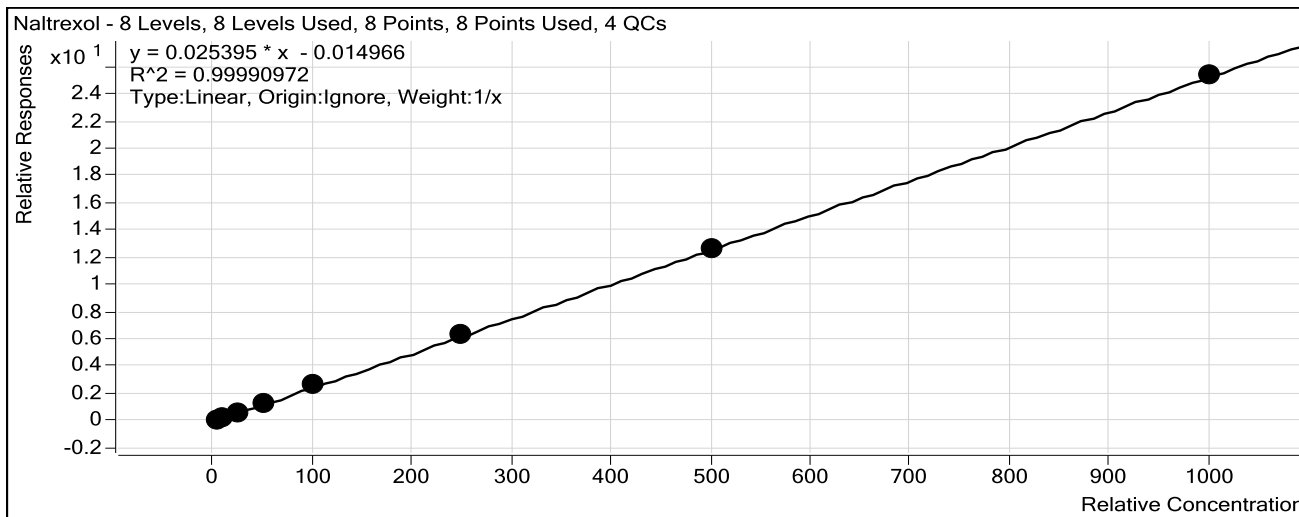
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b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	1	1.0	97.8
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b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	2.5	2.3	91.9
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	5	4.5	89.1
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	10	9.5	94.6
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	10	9.7	96.7
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	25	25.3	101.2
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	25	25.0	99.9
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	50	53.7	107.4
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	100	114.2	114.2
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	100	108.4	108.4

ISP Forensics Calibration Curve Report

TS \$

Batch Data Path C:\MassHunter\Data\2018\MD Quant\051018 MDQ P1 P2 SP\QuantResults\051018 MDQP1b
 wk1st 2391.batch.bin
Last Calib Update 5/17/2018 12:27 PM **Analyst Name** ISP TOX

Target Compound Naltrexol
Internal Standard Naltrexol-D3



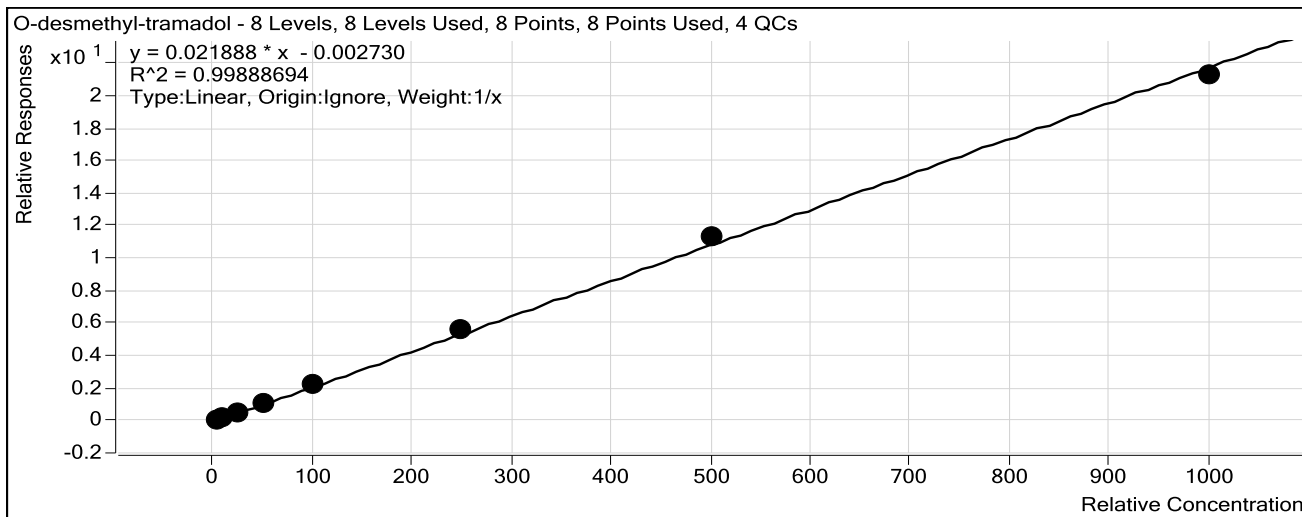
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
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b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.7	96.8
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.7	96.6
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	25.4	101.4
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	49.8	99.5
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	103.6	103.6
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	100.4	100.4
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	248.8	99.5
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	254.8	101.9
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	498.4	99.7
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	999.4	99.9
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	967.3	96.7

ISP Forensics Calibration Curve Report

TS \$

Batch Data Path C:\MassHunter\Data\2018\MD Quant\051018 MDQ P1 P2 SP\QuantResults\051018 MDQP1b
 wklst 2391.batch.bin
Last Calib Update 5/17/2018 12:27 PM **Analyst Name** ISP TOX

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



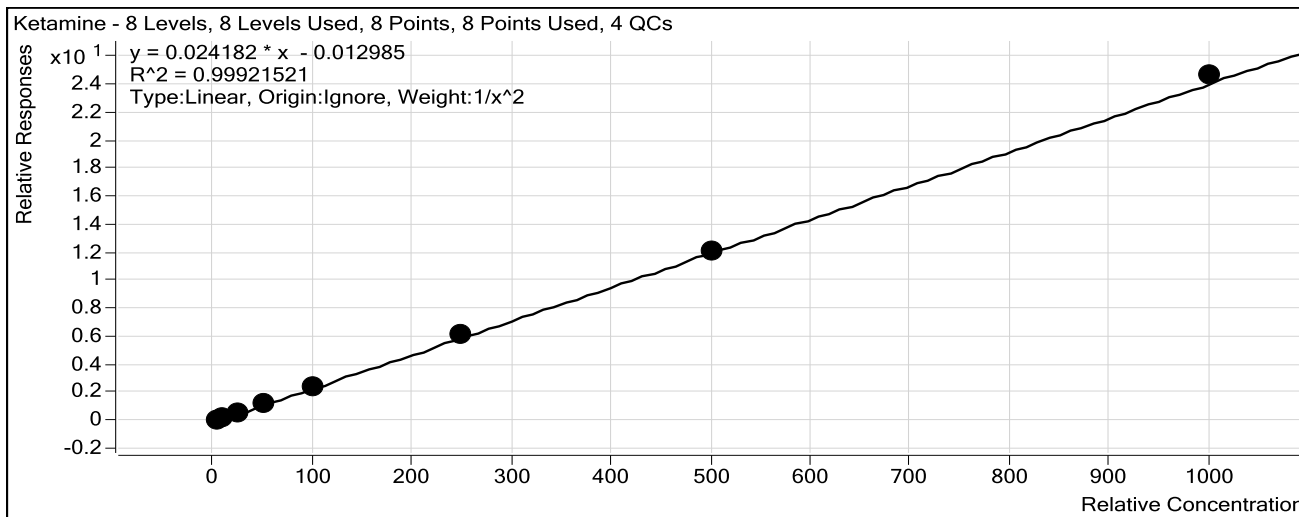
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	4.9	97.5
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.8	97.6
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.8	97.9
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	24.8	99.3
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	49.8	99.6
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	102.0	102.0
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	101.0	101.0
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	256.5	102.6
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	259.5	103.8
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	521.3	104.3
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	970.9	97.1
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	989.3	98.9

ISP Forensics Calibration Curve Report

TS \$

Batch Data Path C:\MassHunter\Data\2018\MD Quant\051018 MDQ P1 P2 SP\QuantResults\051018 MDQP1b
 wklst 2391.batch.bin
Last Calib Update 5/17/2018 12:27 PM **Analyst Name** ISP TOX

Target Compound Ketamine
Internal Standard Ketamine-D4



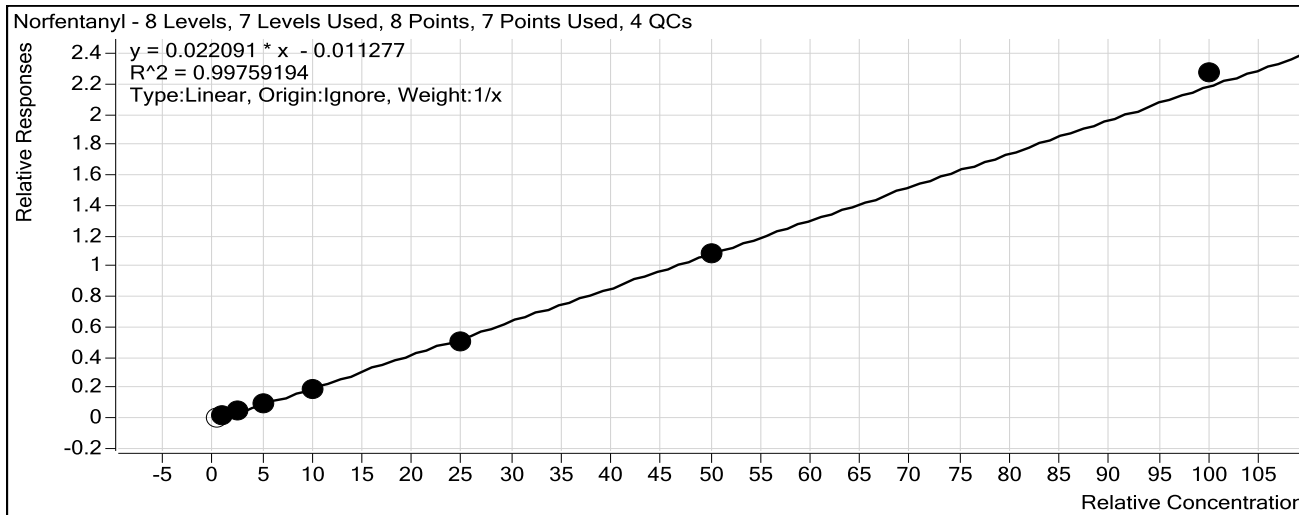
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.1	101.2
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.7	97.0
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.6	96.2
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	25.9	103.6
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	48.3	96.5
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	98.9	98.9
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	102.4	102.4
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	252.0	100.8
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	246.4	98.6
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	500.5	100.1
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1019.0	101.9
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	996.0	99.6

ISP Forensics Calibration Curve Report

TS \$

Batch Data Path C:\MassHunter\Data\2018\MD Quant\051018 MDQ P1 P2 SP\QuantResults\051018 MDQP1b
 wklst 2391.batch.bin
Last Calib Update 5/17/2018 12:27 PM **Analyst Name** ISP TOX

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



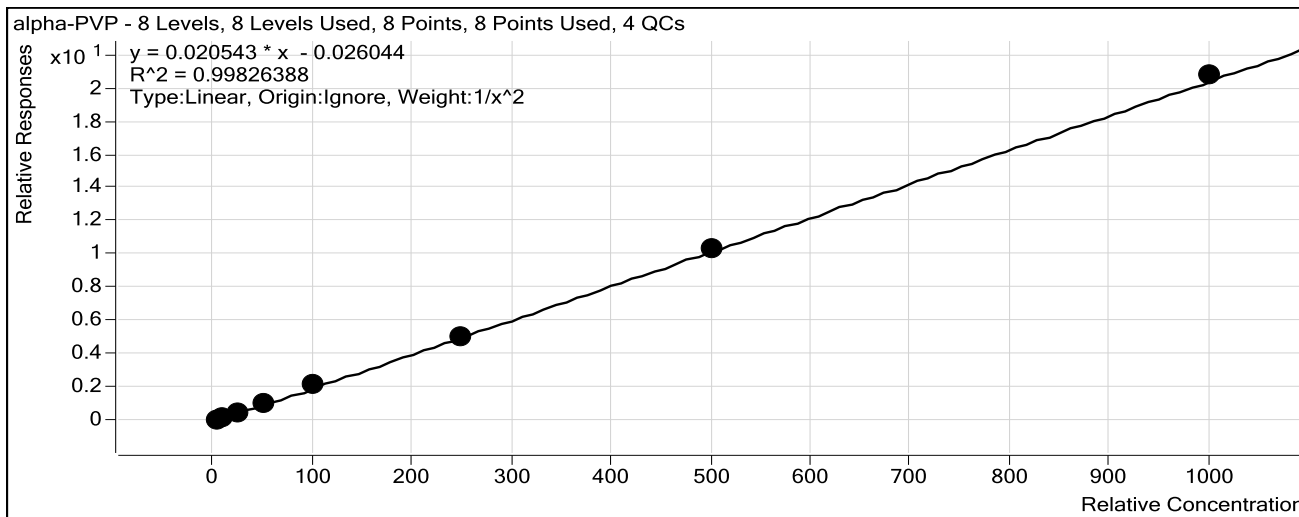
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input type="checkbox"/>	0.5	0.9	170.0
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	1	1.3	126.0
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	1	1.2	123.6
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	2.5	2.4	94.4
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	5	4.6	91.5
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	10	9.3	92.8
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	10	9.3	93.5
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	25	23.2	92.7
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	25	24.2	96.7
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	50	49.6	99.3
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	100	103.2	103.2
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	100	106.0	106.0

ISP Forensics Calibration Curve Report

TS \$

Batch Data Path C:\MassHunter\Data\2018\MD Quant\051018 MDQ P1 P2 SP\QuantResults\051018 MDQP1b
 wklst 2391.batch.bin
Last Calib Update 5/17/2018 12:27 PM **Analyst Name** ISP TOX

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



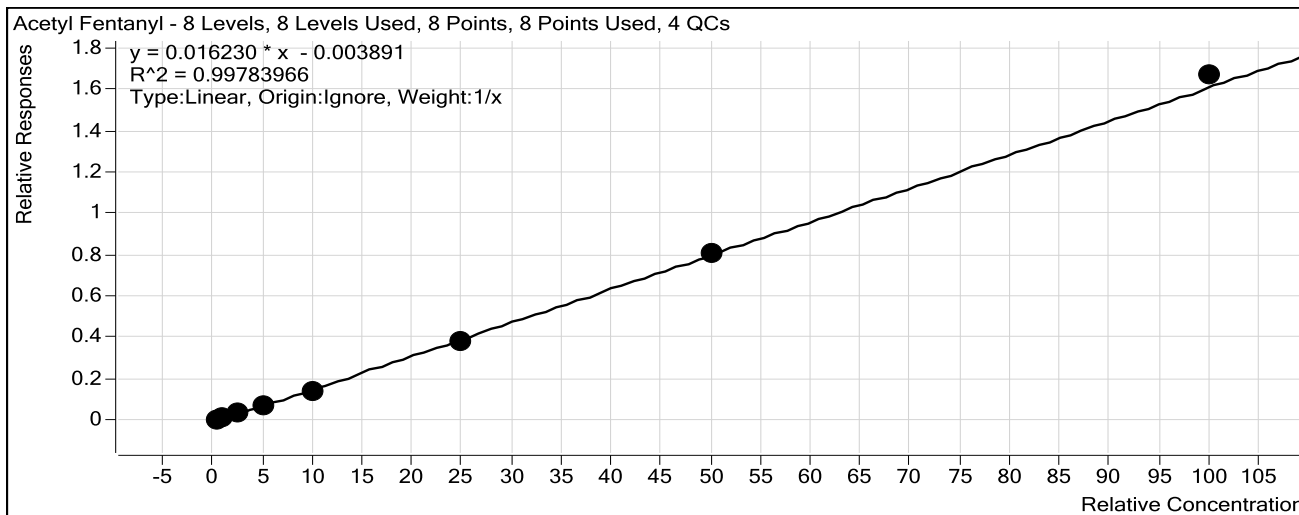
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.1	102.7
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.6	96.4
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.1	100.9
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.3	93.2
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	51.6	103.1
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	103.4	103.4
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	98.1	98.1
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	247.7	99.1
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	235.2	94.1
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	504.9	101.0
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1011.3	101.1
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	990.0	99.0

ISP Forensics Calibration Curve Report

TS \$

Batch Data Path C:\MassHunter\Data\2018\MD Quant\051018 MDQ P1 P2 SP\QuantResults\051018 MDQP1b
 wklst 2391.batch.bin
Last Calib Update 5/17/2018 12:27 PM **Analyst Name** ISP TOX

Target Compound Acetyl Fentanyl
Internal Standard Acetyl Fentanyl-D5



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input checked="" type="checkbox"/>	0.5	0.6	124.9
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	1	1.1	107.6
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	1	1.2	115.4
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	2.5	2.3	90.8
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	5	4.4	88.3
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	10	9.1	91.4
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	10	8.4	84.2
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	25	23.5	93.8
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	25	22.2	88.9
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	50	50.1	100.1
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	100	102.9	102.9
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	100	97.5	97.5

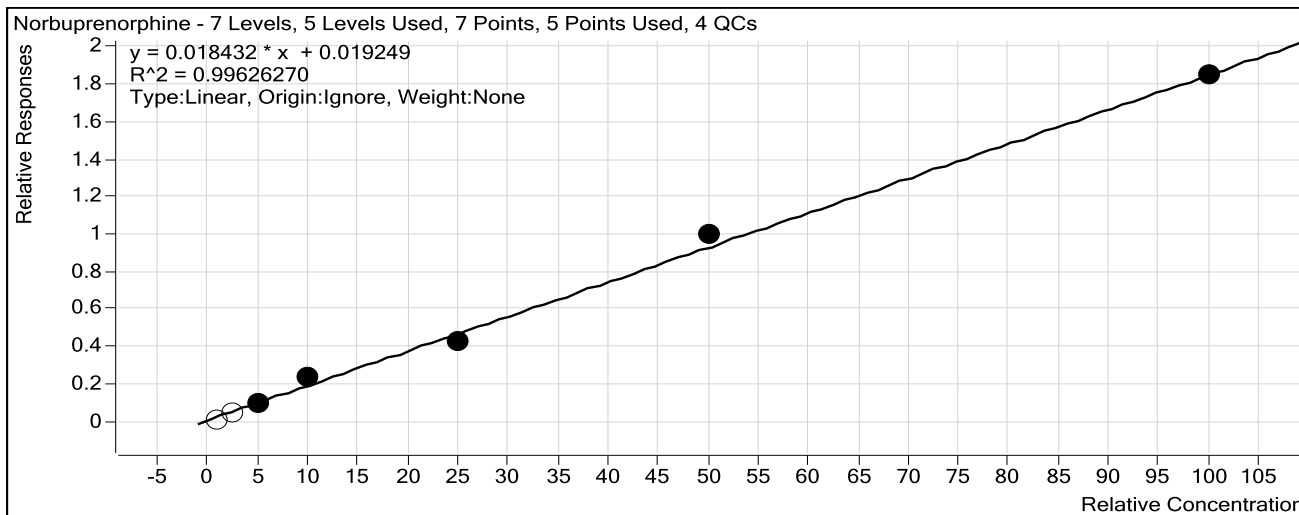
ISP Forensics Calibration Curve Report

TS \$

Batch Data Path C:\MassHunter\Data\2018\MD Quant\051018 MDQ P1 P2 SP\QuantResults\051018 MDQP1b
wklst 2391.batch.bin

Last Calib Update 5/17/2018 12:27 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	0.0	0.0
b cal 2-10ng.d	2	<input type="checkbox"/>	1	0.0	0.0
b QC 10 (QC1).d	2	<input type="checkbox"/>	1	0.1	14.4
b cal 3-25ng.d	3	<input type="checkbox"/>	2.5	1.4	56.3
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	5	4.1	82.6
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	10	11.8	118.0
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	10	8.4	83.5
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	25	22.0	87.9
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	25	26.4	105.5
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	50	53.0	105.9
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	100	99.1	99.1
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	100	121.8	121.8

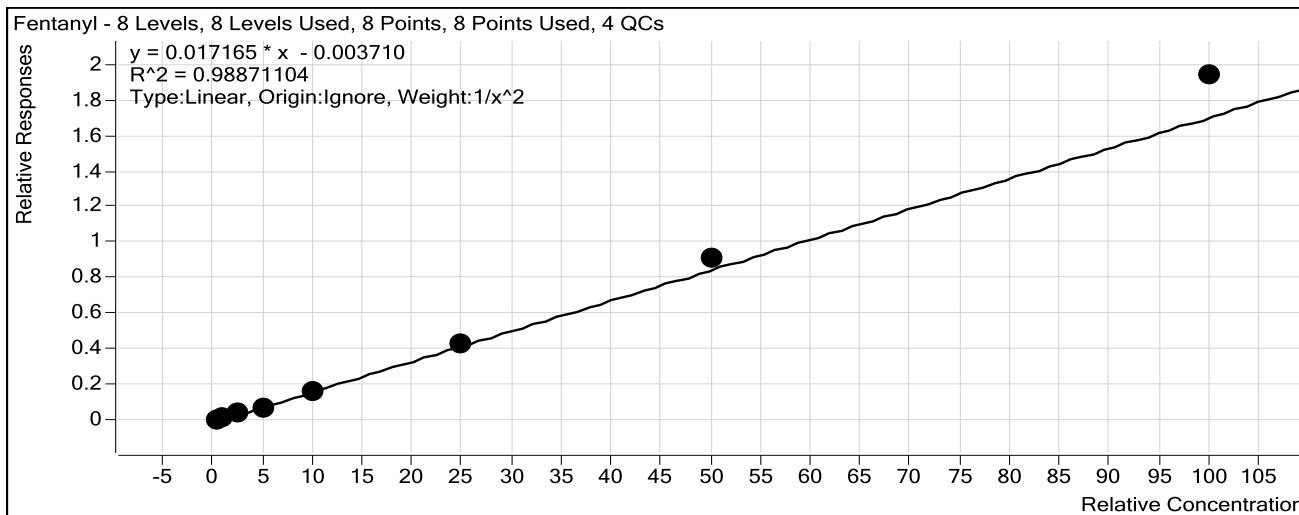
Did not evaluate norbuprenorphine.

ISP Forensics Calibration Curve Report



Batch Data Path C:\MassHunter\Data\2018\MD Quant\051018 MDQ P1 P2 SP\QuantResults\051018 MDQP1b
 wklst 2391.batch.bin
Last Calib Update 5/17/2018 12:27 PM **Analyst Name** ISP TOX

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



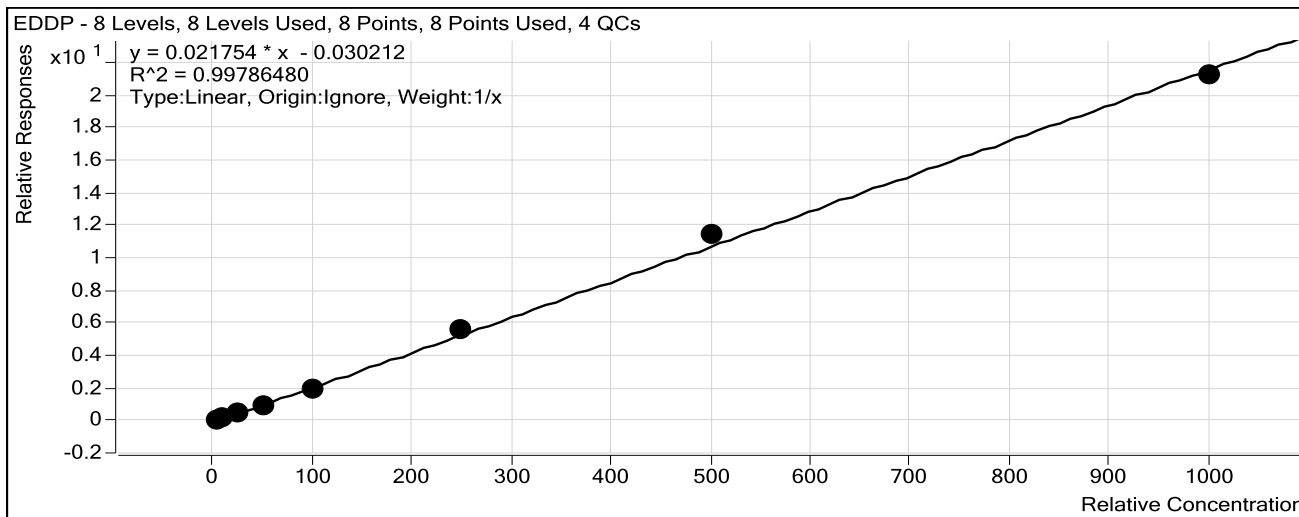
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input checked="" type="checkbox"/>	0.5	0.5	99.3
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	1	1.1	106.1
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	1	1.1	109.2
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	2.5	2.4	97.9
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	5	4.1	82.2
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	10	9.5	94.8
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	10	8.8	88.2
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	25	25.0	99.9
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	25	24.8	99.3
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	50	53.4	106.7
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	100	113.1	113.1
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	100	109.6	109.6

ISP Forensics Calibration Curve Report

ISP

Batch Data Path C:\MassHunter\Data\2018\MD Quant\051018 MDQ P1 P2 SP\QuantResults\051018 MDQP1b
 wk1st 2391.batch.bin
Last Calib Update 5/17/2018 12:27 PM **Analyst Name** ISP TOX

Target Compound EDDP
Internal Standard EDDP-D3



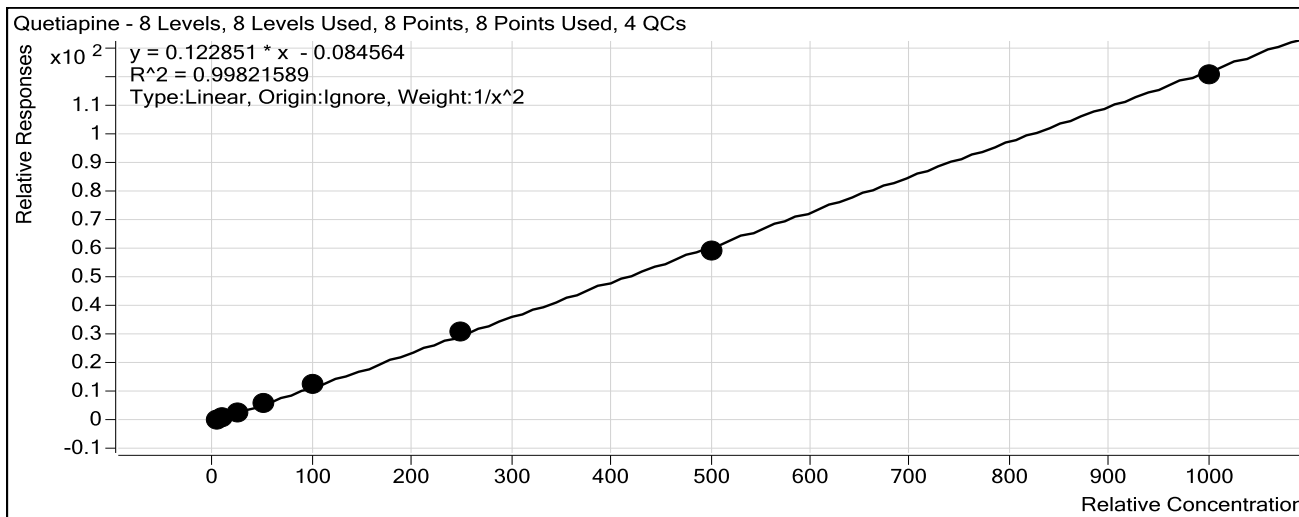
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.9	118.4
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.8	98.2
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	11.5	115.3
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	24.1	96.4
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	43.0	86.0
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	94.0	94.0
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	86.3	86.3
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	260.1	104.0
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	266.8	106.7
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	525.7	105.1
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	977.3	97.7
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	1046.6	104.7

ISP Forensics Calibration Curve Report

TS \$

Batch Data Path C:\MassHunter\Data\2018\MD Quant\051018 MDQ P1 P2 SP\QuantResults\051018 MDQP1b
 wklst 2391.batch.bin
Last Calib Update 5/17/2018 12:27 PM **Analyst Name** ISP TOX

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



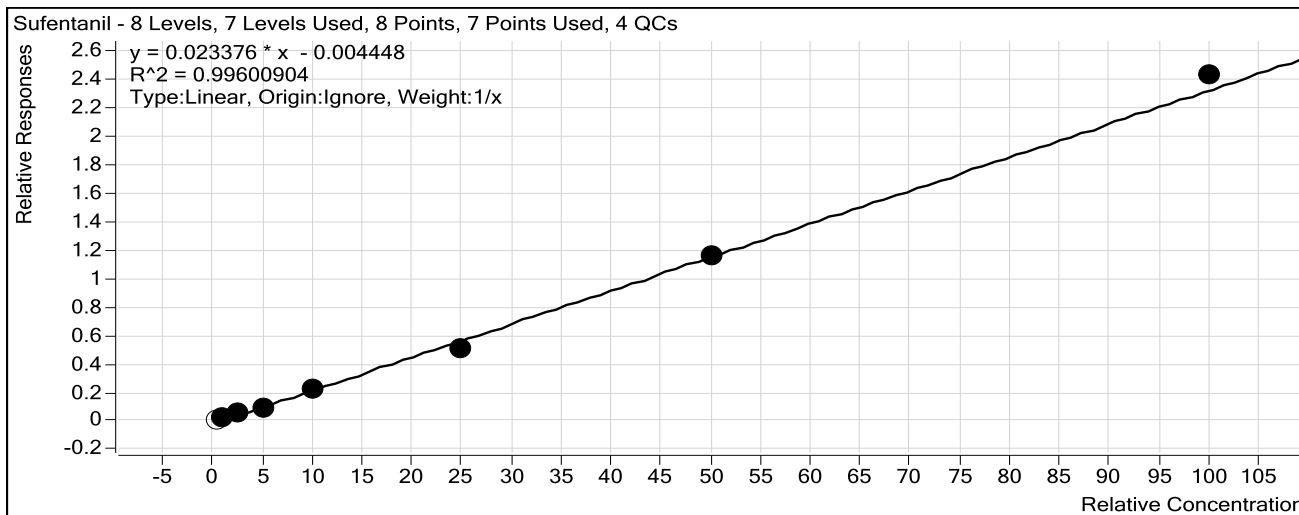
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.1	101.1
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.9	98.7
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.0	100.2
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.7	94.6
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	52.2	104.3
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	104.9	104.9
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	95.9	95.9
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	254.6	101.8
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	251.5	100.6
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	482.3	96.5
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	981.2	98.1
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	932.3	93.2

ISP Forensics Calibration Curve Report

TS \$

Batch Data Path C:\MassHunter\Data\2018\MD Quant\051018 MDQ P1 P2 SP\QuantResults\051018 MDQP1b
 wklst 2391.batch.bin
Last Calib Update 5/17/2018 12:27 PM **Analyst Name** ISP TOX

Target Compound Sufentanil
Internal Standard Sufentanil-D5



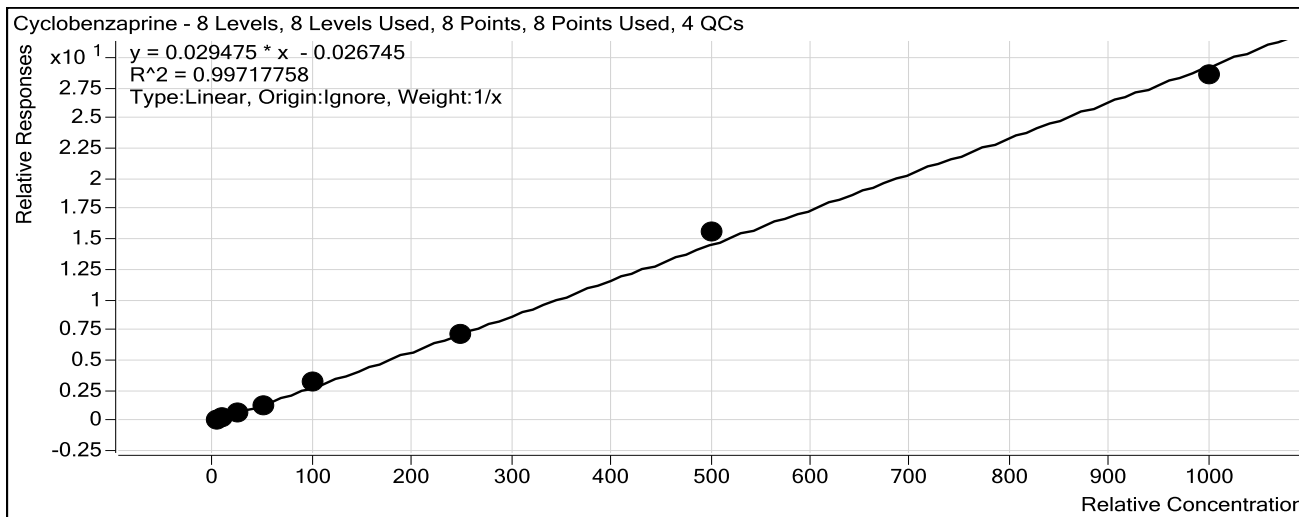
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input type="checkbox"/>	0.5	0.8	167.7
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	1	1.2	118.9
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	1	1.5	149.7
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	2.5	2.7	107.4
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	5	4.3	86.6
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	10	9.5	95.3
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	10	9.7	96.5
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	25	22.0	88.0
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	25	22.6	90.5
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	50	50.0	100.0
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	100	103.8	103.8
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	100	104.7	104.7

ISP Forensics Calibration Curve Report

TSB

Batch Data Path C:\MassHunter\Data\2018\MD Quant\051018 MDQ P1 P2 SP\QuantResults\051018 MDQP1b
 wklst 2391.batch.bin
Last Calib Update 5/17/2018 12:27 PM **Analyst Name** ISP TOX

Target Compound Cyclobenzaprine
Internal Standard Cyclobenzaprine-D3



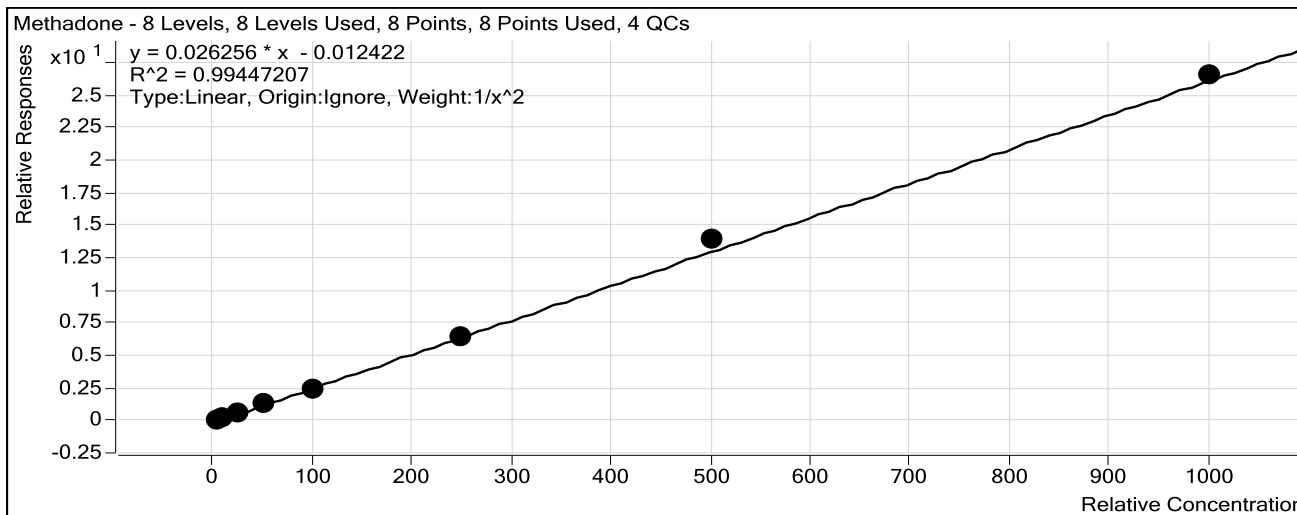
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.7	113.9
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.0	90.5
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.1	90.8
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.6	94.6
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	44.3	88.7
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	110.8	110.8
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	96.3	96.3
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	246.3	98.5
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	268.7	107.5
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	531.1	106.2
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	969.1	96.9
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	1005.9	100.6

ISP Forensics Calibration Curve Report

TS \$

Batch Data Path C:\MassHunter\Data\2018\MD Quant\051018 MDQ P1 P2 SP\QuantResults\051018 MDQP1b
 wk1st 2391.batch.bin
Last Calib Update 5/17/2018 12:27 PM **Analyst Name** ISP TOX

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



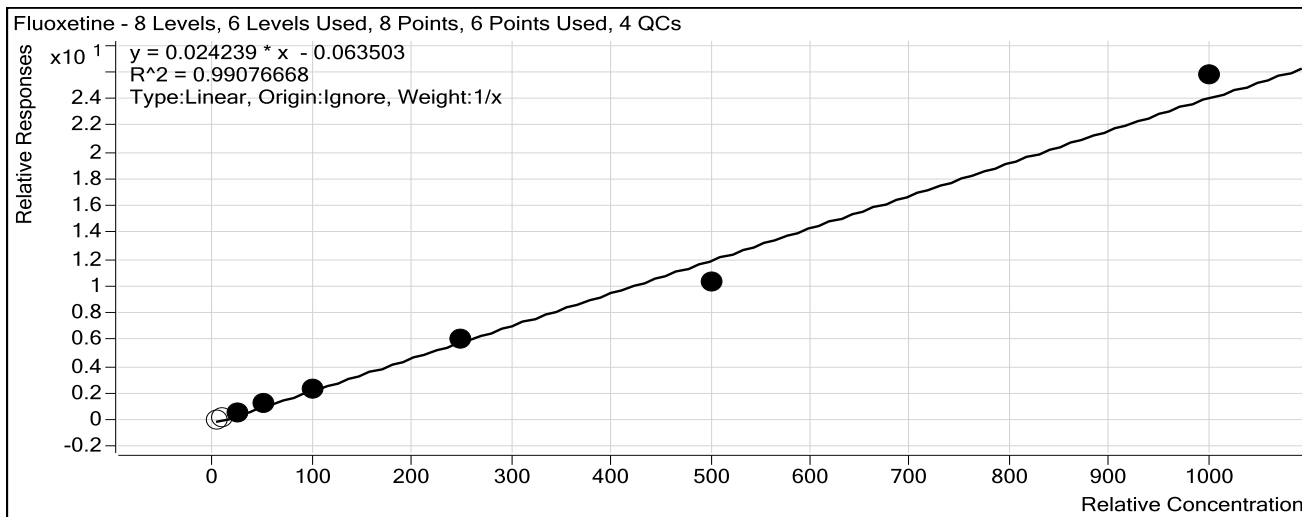
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.3	105.1
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	8.8	87.9
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.1	91.0
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	26.3	105.3
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	50.6	101.1
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	93.7	93.7
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	104.3	104.3
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	247.2	98.9
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	240.7	96.3
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	535.0	107.0
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1009.3	100.9
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	998.2	99.8

ISP Forensics Calibration Curve Report

TS \$

Batch Data Path C:\MassHunter\Data\2018\MD Quant\051018 MDQ P1 P2 SP\QuantResults\051018 MDQP1b
 wklst 2391.batch.bin
Last Calib Update 5/17/2018 12:27 PM **Analyst Name** ISP TOX

Target Compound Fluoxetine
Internal Standard Fluoxetine-D6



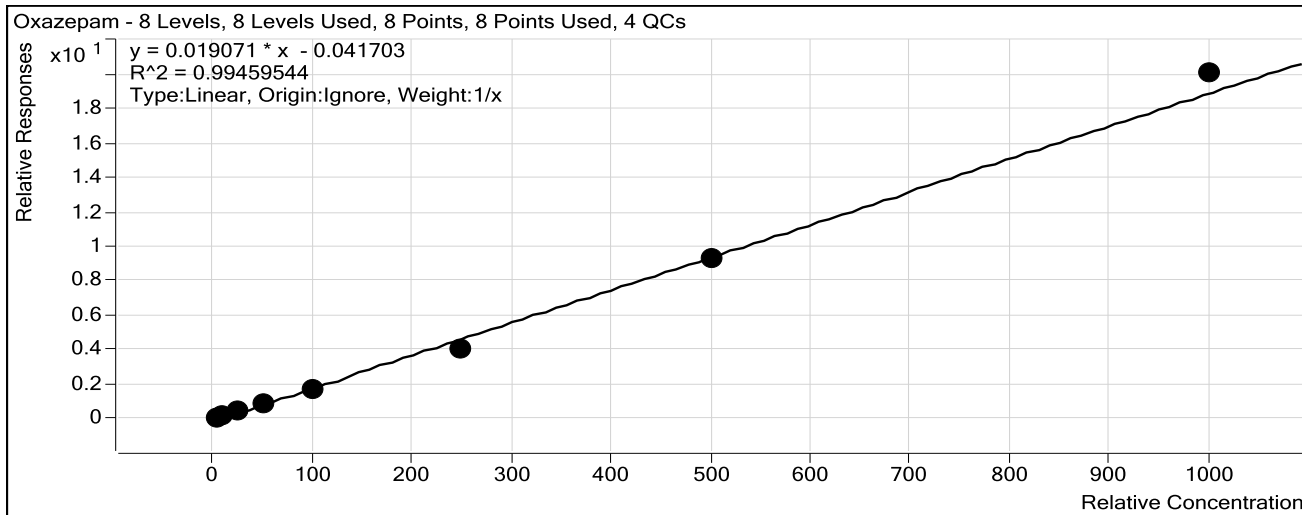
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input type="checkbox"/>	5	6.8	136.9
b cal 2-10ng.d	2	<input type="checkbox"/>	10	10.7	106.9
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	11.8	117.9
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	26.5	106.1
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	51.5	102.9
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	96.2	96.2
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	96.5	96.5
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	254.7	101.9
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	240.5	96.2
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	432.3	86.5
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1063.7	106.4
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	863.1	86.3

ISP Forensics Calibration Curve Report

TS \$

Batch Data Path C:\MassHunter\Data\2018\MD Quant\051018 MDQ P1 P2 SP\QuantResults\051018 MDQP1b
 wklst 2391.batch.bin
Last Calib Update 5/17/2018 12:27 PM **Analyst Name** ISP TOX

Target Compound Oxazepam
Internal Standard Oxazepam-D5

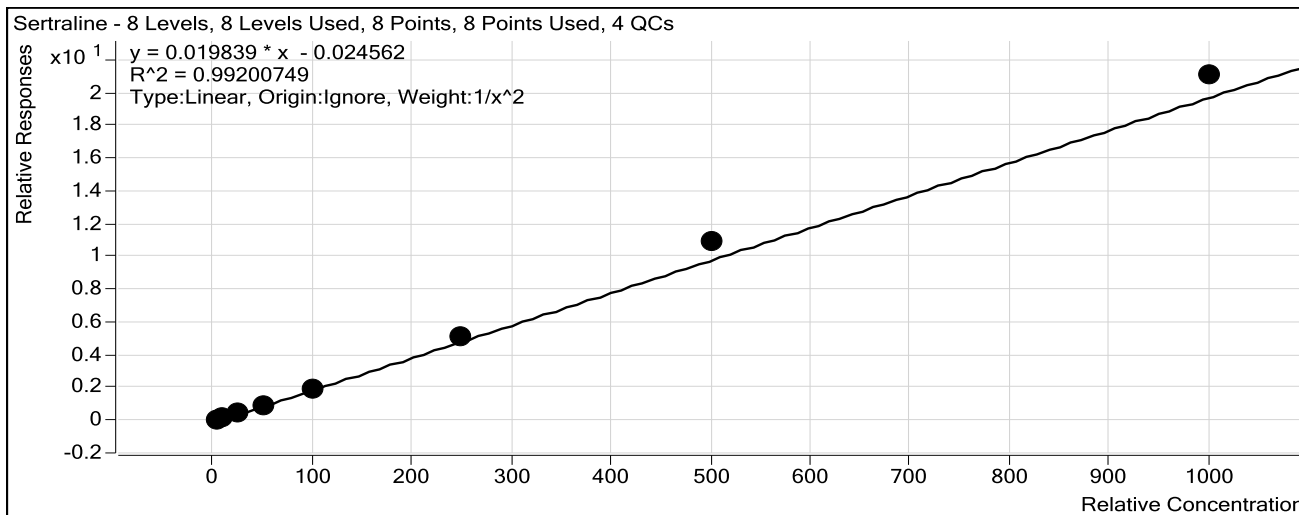


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	6.0	120.4
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	10.7	106.5
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	11.0	109.9
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	24.2	96.9
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	47.4	94.8
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	92.4	92.4
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	95.9	95.9
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	212.5	85.0
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	230.4	92.2
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	492.8	98.6
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1054.0	105.4
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	994.9	99.5

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\051018 MDQ P1 P2 SP\QuantResults\051018 MDQP1b
 wklst 2391.batch.bin
Last Calib Update 5/17/2018 12:27 PM **Analyst Name** ISP TOX

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



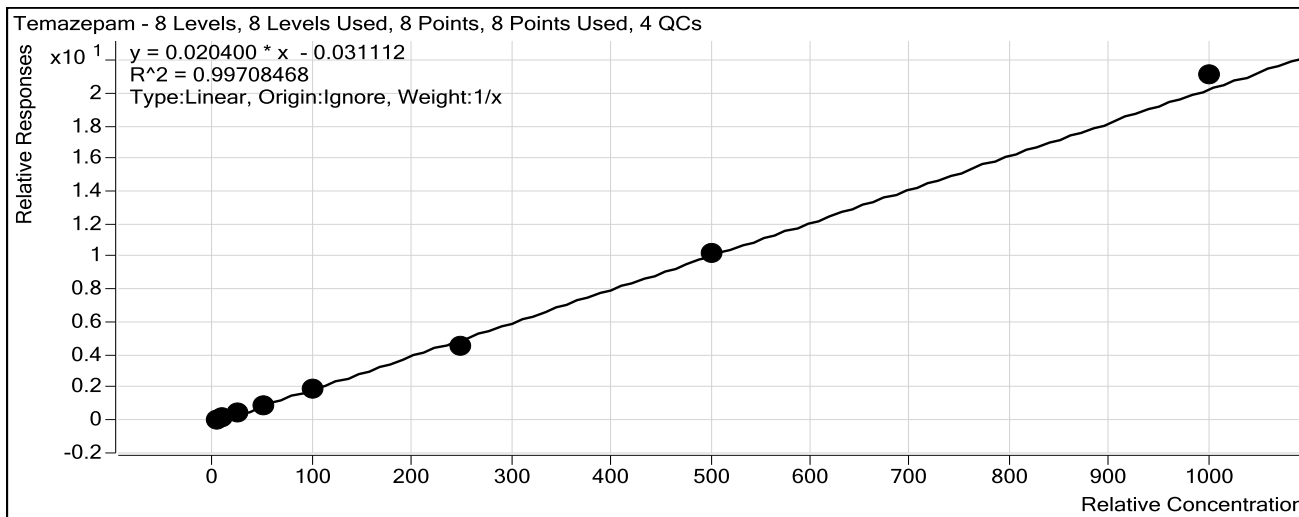
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.2	104.6
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.7	97.5
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	11.6	116.1
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	21.6	86.3
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	46.2	92.5
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	99.4	99.4
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	98.9	98.9
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	258.8	103.5
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	272.4	109.0
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	550.5	110.1
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1061.7	106.2
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	1157.2	115.7

ISP Forensics Calibration Curve Report

TS \$

Batch Data Path C:\MassHunter\Data\2018\MD Quant\051018 MDQ P1 P2 SP\QuantResults\051018 MDQP1b
 wklst 2391.batch.bin
Last Calib Update 5/17/2018 12:27 PM **Analyst Name** ISP TOX

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



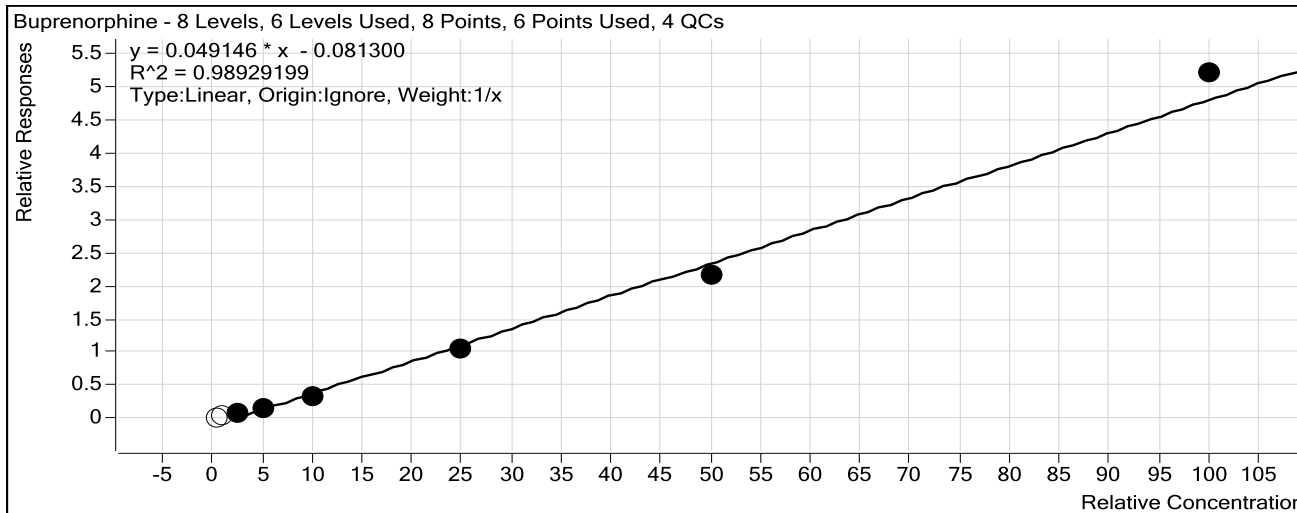
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.9	117.5
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	10.2	102.3
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.1	101.4
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	24.5	97.8
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	47.5	95.1
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	95.3	95.3
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	93.0	93.0
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	220.5	88.2
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	239.5	95.8
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	501.8	100.4
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1034.3	103.4
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	1000.9	100.1

ISP Forensics Calibration Curve Report

TSF

Batch Data Path C:\MassHunter\Data\2018\MD Quant\051018 MDQ P1 P2 SP\QuantResults\051018 MDQP1b
 wk1st 2391.batch.bin
Last Calib Update 5/17/2018 12:27 PM **Analyst Name** ISP TOX

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

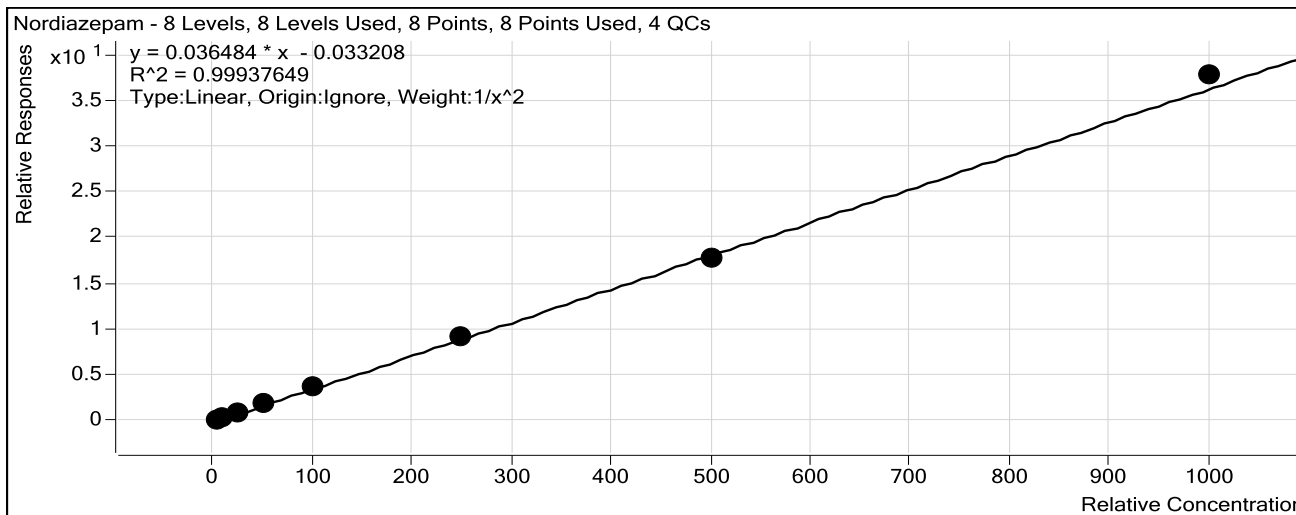


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input type="checkbox"/>	0.5	2.2	433.6
b cal 2-10ng.d	2	<input type="checkbox"/>	1	2.2	223.5
b QC 10 (QC1).d	2	<input type="checkbox"/>	1	2.2	221.0
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	2.5	3.2	128.6
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	5	4.8	97.0
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	10	8.4	84.1
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	10	9.0	90.1
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	25	22.9	91.5
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	25	19.6	78.2
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	50	45.7	91.3
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	100	107.5	107.5
b QC 1000 (QC4).d	8	<input type="checkbox"/>	100	102.1	102.1

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\051018 MDQ P1 P2 SP\QuantResults\051018 MDQP1b
 wklst 2391.batch.bin
Last Calib Update 5/17/2018 12:27 PM **Analyst Name** ISP TOX

Target Compound Nordiazepam
Internal Standard Nordiazepam-D5



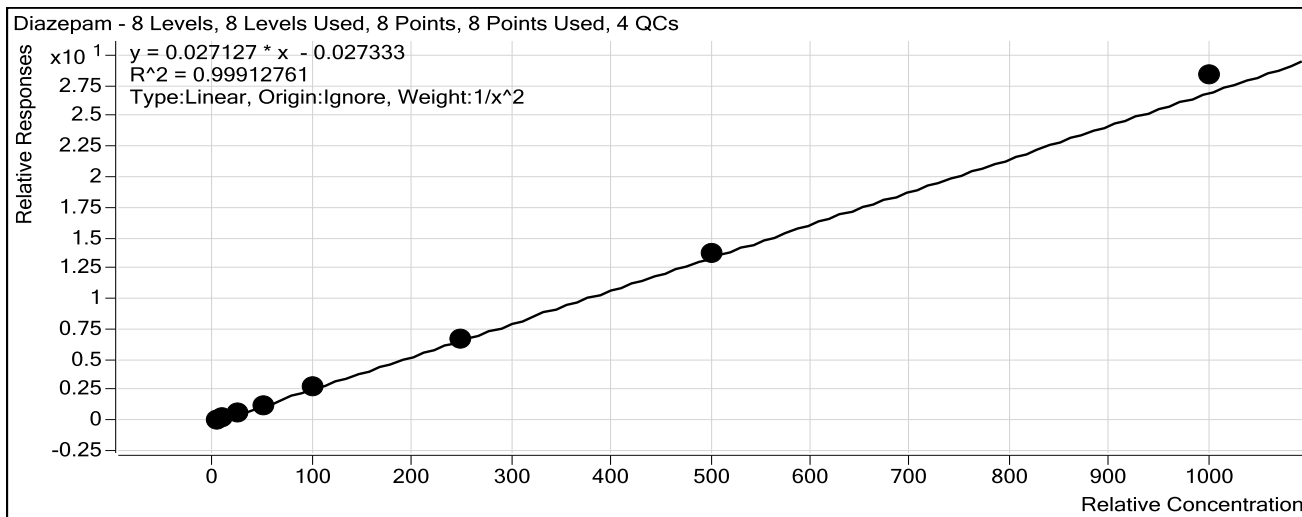
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.0	100.8
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.9	99.0
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.2	102.1
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	24.6	98.3
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	49.5	99.0
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	102.4	102.4
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	101.9	101.9
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	250.8	100.3
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	245.1	98.0
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	484.0	96.8
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1033.7	103.4
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	964.8	96.5

ISP Forensics Calibration Curve Report

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Batch Data Path C:\MassHunter\Data\2018\MD Quant\051018 MDQ P1 P2 SP\QuantResults\051018 MDQP1b
 wklst 2391.batch.bin
Last Calib Update 5/17/2018 12:27 PM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.1	101.3
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.8	97.5
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.6	106.3
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	25.3	101.4
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	48.4	96.7
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	99.5	99.5
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	97.6	97.6
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	245.2	98.1
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	251.7	100.7
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	504.5	100.9
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1045.7	104.6
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	1051.0	105.1

ISP FORENSICS - Pocatello Instrument # 59740

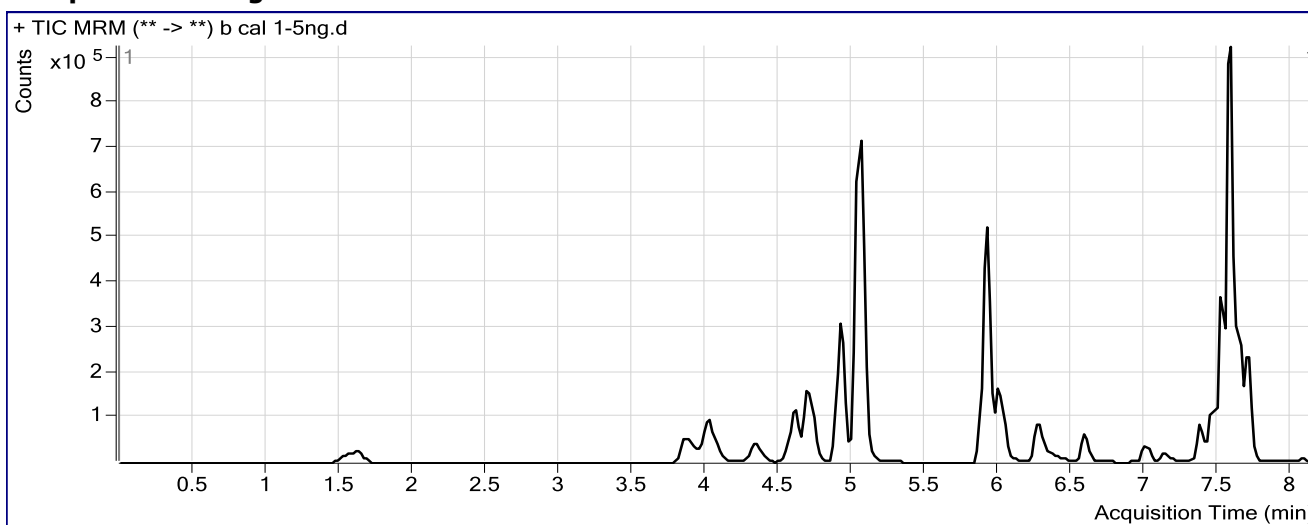
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\051018 MDQ P1 P2 SP\QuantResults\051018 MDQP1b wk1st 2391.batch.		
Analysis Time	5/17/2018 12:27 PM	Analyst Name	ISPUser
Report Time	5/17/2018 12:28 PM	Reporter Name	ISPUser
Last Calib Update	5/17/2018 12:27 PM	Batch State	Processed

Analysis Info

Acq Time	2018-05-11 05:52	Data File	b cal 1-5ng.d
Sample Type	Calibration	Sample Name	b cal 1-5ng.d
Dilution	1	Acq Method	MD Quant Panel 1b 12-12-17.m
Position	P1-A1	Sample Info	
Inj Vol	-1	Comment	AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.628	27202	205387	0.1324	5.5445
Dihydrocodeine	Dihydrocodeine-D6	3.915	20804	266601	0.0780	4.9626
Naloxone	Naloxone-D5	4.092	40428	535331	0.0755	5.3183
Noroxycodone	Noroxycodone-D3	4.379	30542	220472	0.1385	6.0163
Naltrexone	Naltrexone-D3	4.611	44778	463781	0.0965	5.0097
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.764	8216	695366	0.0118	0.5196
Naltrexol	Naltrexol-D3	4.930	117223	1052643	0.1114	4.9744
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.056	272972	2626103	0.1039	4.8738
Ketamine	Ketamine-D4	5.921	113964	1042234	0.1093	5.0587
Norfentanyl	Norfentanyl-D5	5.944	7836	1044115	0.0075	0.8502
alpha-PVP	alpha-PVP-d8	6.288	36847	463902	0.0794	5.1341
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.579	1567	250890	0.0062	0.6247
Fentanyl	Fentanyl-D5	7.019	662	137529	0.0048	0.4965
EDDP	EDDP-D3	7.130	6418	65083	0.0986	5.9223
Quetiapine	Quetiapine-D8	7.380	62371	116297	0.5363	5.0539
Sufentanil	Sufentanil-D5	7.399	1099	72504	0.0152	0.8386
Cyclobenzaprine	Cyclobenzaprine-D3	7.433	7448	52795	0.1411	5.6937
Methadone	Methadone-D9	7.463	35417	282038	0.1256	5.2559
Fluoxetine	Fluoxetine-D6	7.504	18819	183819	0.1024	6.8436

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

b cal 1

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxazepam	Oxazepam-D5	7.529	61460	840503	0.0731	6.0209
Sertraline	Sertraline-D3	7.565	5997	75738	0.0792	5.2289
Temazepam	Temazepam-D5	7.587	218326	2459635	0.0888	5.8763
Buprenorphine	Buprenorphine-D4	7.637	1642	65045	0.0252	2.1680
Nordiazepam	Nordiazepam-D5	7.655	97219	645152	0.1507	5.0405
Diazepam	Diazepam-D5	7.712	58873	534716	0.1101	5.0663

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ISP FORENSICS - Pocatello Instrument # 59740

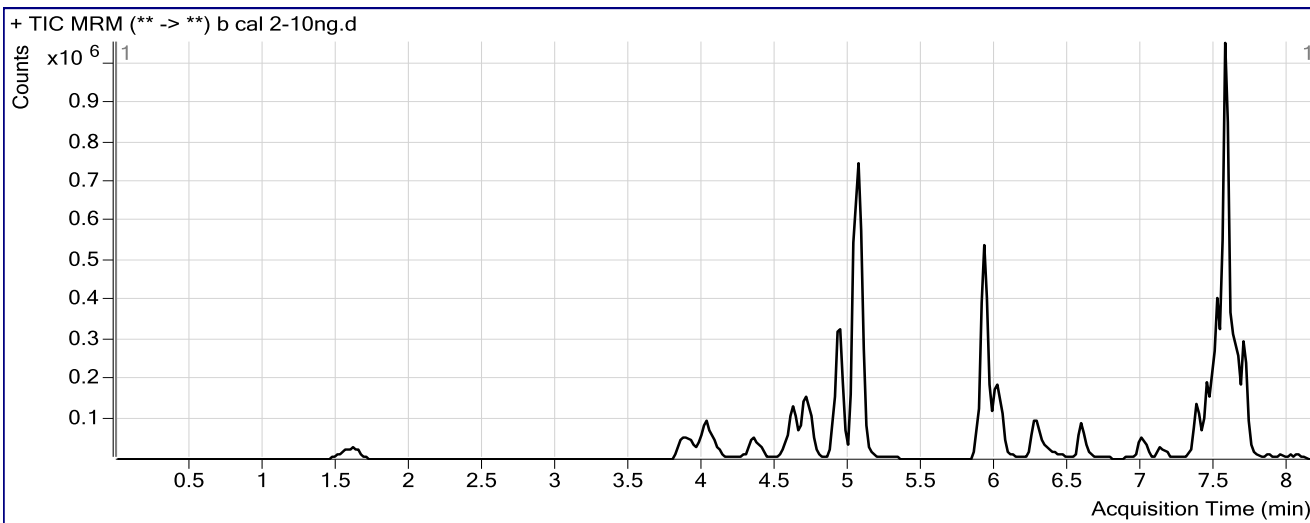
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\051018 MDQ P1 P2 SP\QuantResults\051018 MDQP1b wklst 2391.batch.
Analysis Time 5/17/2018 12:27 PM **Analyst Name** ISPUser
Report Time 5/17/2018 12:28 PM **Reporter Name** ISPUser
Last Calib Update 5/17/2018 12:27 PM **Batch State** Processed

Analysis Info

Acq Time 2018-05-11 06:23 **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 12-12-17.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	1.608	51279	192889	0.2658	9.7282
Dihydrocodeine	Dihydrocodeine-D6	3.935	41443	260659	0.1590	9.3498
Naloxone	Naloxone-D5	4.092	74781	501073	0.1492	9.3280
Noroxycodone	Noroxycodone-D3	4.379	61709	228504	0.2701	9.8266
Naltrexone	Naltrexone-D3	4.631	94821	444974	0.2131	10.0451
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.764	16026	655604	0.0244	0.9777
Naltrexol	Naltrexol-D3	4.930	237068	1026667	0.2309	9.6820
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.056	515481	2443428	0.2110	9.7634
Ketamine	Ketamine-D4	5.921	215864	974672	0.2215	9.6954
Norfentanyl	Norfentanyl-D5	5.944	16729	1010089	0.0166	1.2602
alpha-PVP	alpha-PVP-d8	6.288	78354	455514	0.1720	9.6409
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.601	4581	337432	0.0136	1.0762
Norbuprenorphine	Norbuprenorphine-D3	6.935	110	8509	0.0129	0.0000
Fentanyl	Fentanyl-D5	6.999	2680	184894	0.0145	1.0606
EDDP	EDDP-D3	7.130	14242	77615	0.1835	9.8240
Quetiapine	Quetiapine-D8	7.360	160684	142515	1.1275	9.8660
Sufentanil	Sufentanil-D5	7.379	2301	98547	0.0233	1.1891
Cyclobenzaprine	Cyclobenzaprine-D3	7.413	17637	73503	0.2399	9.0481
Methadone	Methadone-D9	7.443	92165	421916	0.2184	8.7929

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

b cal 2

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.504	51813	264818	0.1957	10.6918
Oxazepam	Oxazepam-D5	7.529	111323	689520	0.1615	10.6523
Sertraline	Sertraline-D3	7.565	21768	128914	0.1689	9.7492
Temazepam	Temazepam-D5	7.567	430907	2427070	0.1775	10.2282
Buprenorphine	Buprenorphine-D4	7.637	2648	92739	0.0286	2.2352
Nordiazepam	Nordiazepam-D5	7.655	188156	573373	0.3282	9.9047
Diazepam	Diazepam-D5	7.692	122496	516396	0.2372	9.7520

ISP FORENSICS - Pocatello Instrument # 59740

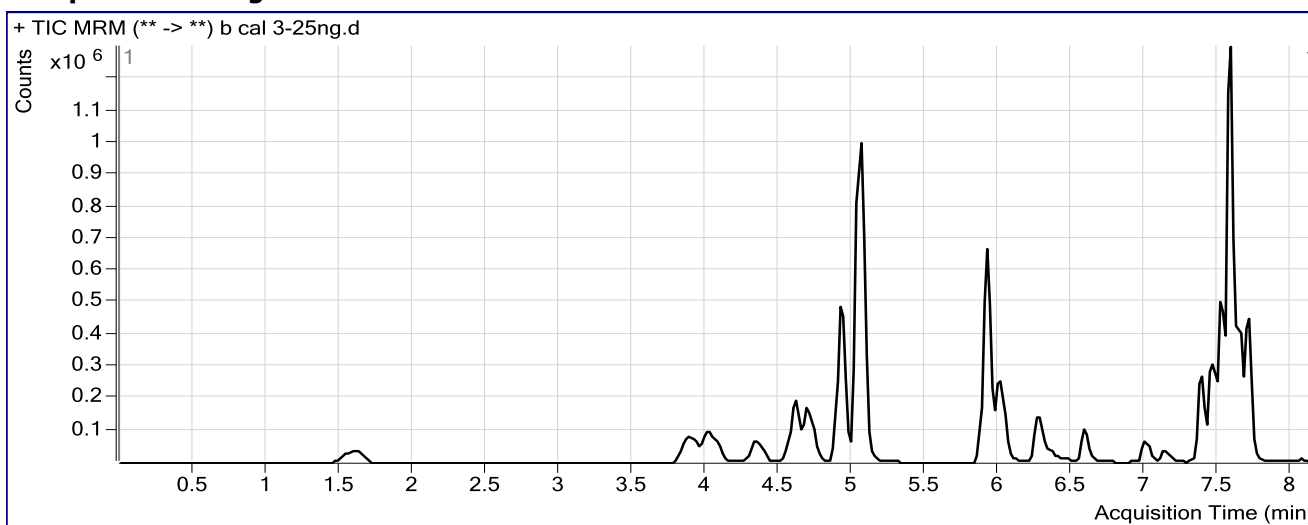
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\051018 MDQ P1 P2 SP\QuantResults\051018 MDQP1b wklst 2391.batch.
Analysis Time 5/17/2018 12:27 PM **Analyst Name** ISPUser
Report Time 5/17/2018 12:28 PM **Reporter Name** ISPUser
Last Calib Update 5/17/2018 12:27 PM **Batch State** Processed

Analysis Info

Acq Time 2018-05-11 06:55 **Data File** b cal 3-25ng.d
Sample Type Calibration **Sample Name** b cal 3-25ng.d
Dilution 1 **Acq Method** MD Quant Panel 1b 12-12-17.m
Position P1-C1 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.608	138881	198146	0.7009	23.3720
Dihydrocodeine	Dihydrocodeine-D6	3.915	116669	268167	0.4351	24.3104
Naloxone	Naloxone-D5	4.070	194069	501124	0.3873	22.2742
Noroxycodone	Noroxycodone-D3	4.379	165820	225730	0.7346	23.2845
Naltrexone	Naltrexone-D3	4.611	246967	458895	0.5382	24.0909
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.764	41025	674469	0.0608	2.2973
Naltrexol	Naltrexol-D3	4.930	664812	1056993	0.6290	25.3565
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.056	1392282	2574710	0.5408	24.8306
Ketamine	Ketamine-D4	5.921	609207	992995	0.6135	25.9068
Norfentanyl	Norfentanyl-D5	5.944	42681	1044037	0.0409	2.3611
alpha-PVP	alpha-PVP-d8	6.288	215953	477356	0.4524	23.2891
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.601	12957	393020	0.0330	2.2711
Norbuprenorphine	Norbuprenorphine-D3	6.935	468	10347	0.0452	1.4086
Fentanyl	Fentanyl-D5	6.999	8587	224238	0.0383	2.4472
EDDP	EDDP-D3	7.130	40850	82707	0.4939	24.0939
Quetiapine	Quetiapine-D8	7.380	454357	161043	2.8213	23.6538
Sufentanil	Sufentanil-D5	7.379	7095	121662	0.0583	2.6850
Cyclobenzaprine	Cyclobenzaprine-D3	7.433	61223	91362	0.6701	23.6429
Methadone	Methadone-D9	7.463	319450	470414	0.6791	26.3369

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

b cal 3

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.504	178015	307205	0.5795	26.5263
Oxazepam	Oxazepam-D5	7.529	267231	635691	0.4204	24.2291
Sertraline	Sertraline-D3	7.565	63390	157140	0.4034	21.5714
Temazepam	Temazepam-D5	7.587	1047929	2240054	0.4678	24.4574
Buprenorphine	Buprenorphine-D4	7.637	8120	105849	0.0767	3.2152
Nordiazepam	Nordiazepam-D5	7.655	474401	549540	0.8633	24.5717
Diazepam	Diazepam-D5	7.712	340691	516141	0.6601	25.3399

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ISP FORENSICS - Pocatello Instrument # 59740

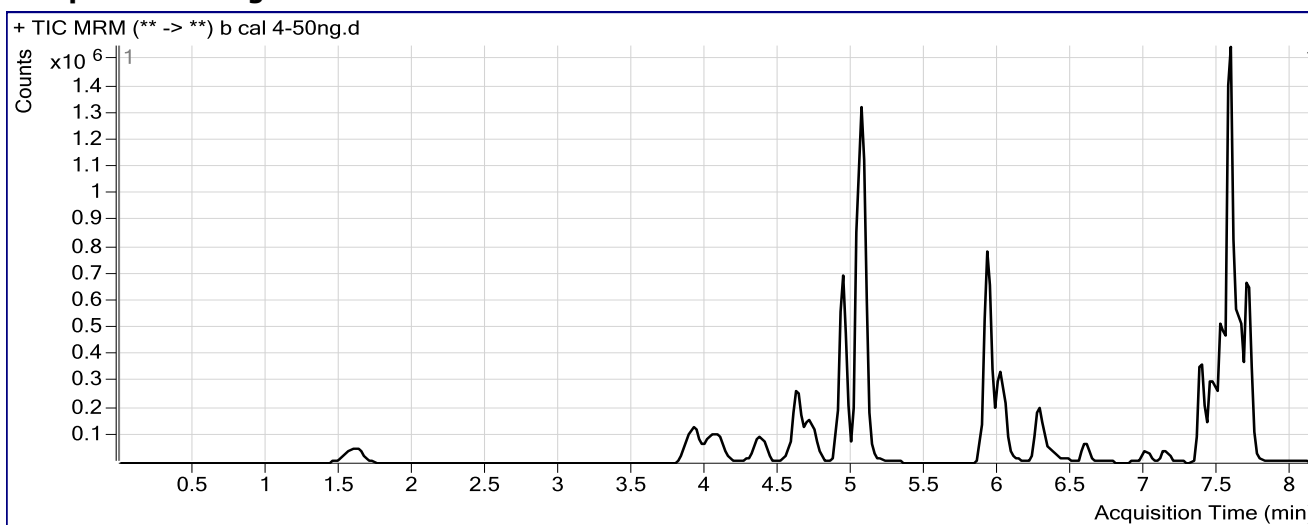
Multi-Drug Confirmatory Analysis Report

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Analysis Time 5/17/2018 12:27 PM **Analyst Name** ISPUser
Report Time 5/17/2018 12:28 PM **Reporter Name** ISPUser
Last Calib Update 5/17/2018 12:27 PM **Batch State** Processed

Analysis Info

Acq Time 2018-05-11 07:26 **Data File** b cal 4-50ng.d
Sample Type Calibration **Sample Name** b cal 4-50ng.d
Dilution 1 **Acq Method** MD Quant Panel 1b 12-12-17.m
Position P1-D1 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.608	272581	182927	1.4901	48.1221
Dihydrocodeine	Dihydrocodeine-D6	3.915	232829	252861	0.9208	50.6322
Naloxone	Naloxone-D5	4.092	363092	443695	0.8183	45.7199
Noroxycodone	Noroxycodone-D3	4.379	320146	210151	1.5234	46.1364
Naltrexone	Naltrexone-D3	4.631	479341	415666	1.1532	50.6631
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.764	72175	600030	0.1203	4.4540
Naltrexol	Naltrexol-D3	4.930	1224381	980648	1.2485	49.7540
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.056	2730277	2511563	1.0871	49.7912
Ketamine	Ketamine-D4	5.921	1159684	1005034	1.1539	48.2524
Norfentanyl	Norfentanyl-D5	5.944	84826	944511	0.0898	4.5760
alpha-PVP	alpha-PVP-d8	6.288	446334	431925	1.0334	51.5690
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.601	18117	267332	0.0678	4.4155
Norbuprenorphine	Norbuprenorphine-D3	6.935	785	8233	0.0954	4.1299
Fentanyl	Fentanyl-D5	6.999	9871	147646	0.0669	4.1108
EDDP	EDDP-D3	7.150	59425	65631	0.9054	43.0115
Quetiapine	Quetiapine-D8	7.380	780291	123394	6.3236	52.1617
Sufentanil	Sufentanil-D5	7.379	7556	78039	0.0968	4.3323
Cyclobenzaprine	Cyclobenzaprine-D3	7.433	83124	64955	1.2797	44.3252
Methadone	Methadone-D9	7.463	431598	328148	1.3153	50.5662

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

b cal 4

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.504	214971	181555	1.1841	51.4691
Oxazepam	Oxazepam-D5	7.529	441304	511929	0.8620	47.3876
Sertraline	Sertraline-D3	7.565	81089	90849	0.8926	46.2281
Temazepam	Temazepam-D5	7.587	1865183	1987253	0.9386	47.5340
Buprenorphine	Buprenorphine-D4	7.637	11517	73380	0.1569	4.8478
Nordiazepam	Nordiazepam-D5	7.655	864559	487783	1.7724	49.4909
Diazepam	Diazepam-D5	7.712	623499	485289	1.2848	48.3691

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

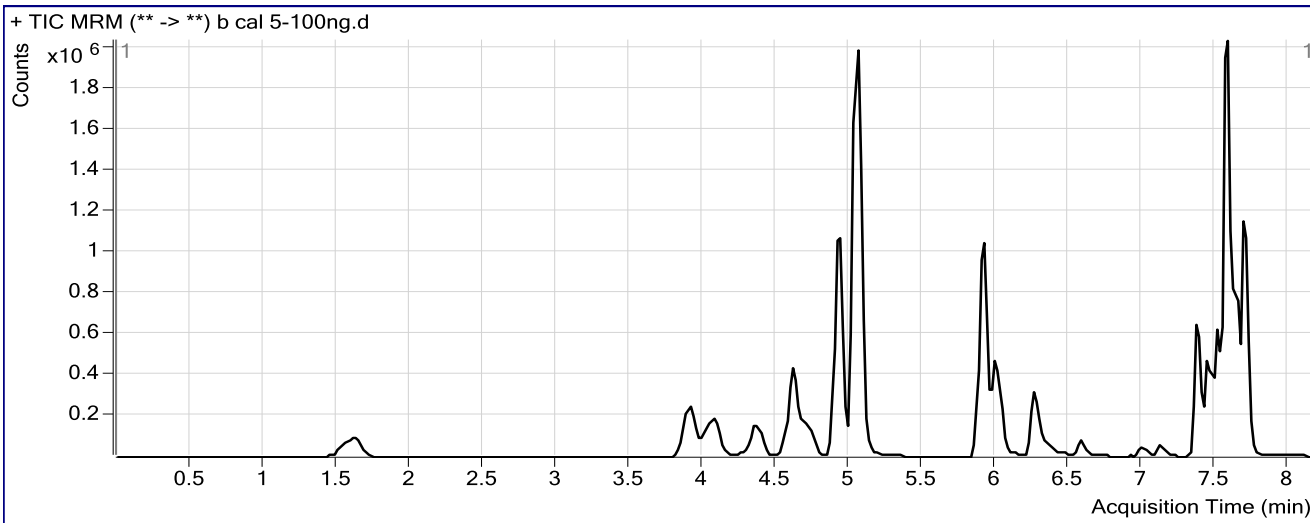
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Analysis Time 5/17/2018 12:27 PM **Analyst Name** ISPUser
Report Time 5/17/2018 12:28 PM **Reporter Name** ISPUser
Last Calib Update 5/17/2018 12:27 PM **Batch State** Processed

Analysis Info

Acq Time 2018-05-11 07:58 **Data File** b cal 5-100ng.d
Sample Type Calibration **Sample Name** b cal 5-100ng.d
Dilution 1 **Acq Method** MD Quant Panel 1b 12-12-17.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
Oxymorphone	Oxymorphone-D3	1.628	550077	176670	3.1136	99.0357
Dihydrocodeine	Dihydrocodeine-D6	3.915	459752	241685	1.9023	103.8213
Naloxone	Naloxone-D5	4.070	752559	425252	1.7697	97.4630
Noroxycodone	Noroxycodone-D3	4.379	608169	184302	3.2999	97.6004
Naltrexone	Naltrexone-D3	4.611	892562	374107	2.3858	103.9217
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.764	152378	590138	0.2582	9.4565
Naltrexol	Naltrexol-D3	4.930	2475297	945957	2.6167	103.6293
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.056	5379512	2411526	2.2308	102.0429
Ketamine	Ketamine-D4	5.921	2265557	952107	2.3795	98.9357
Norfentanyl	Norfentanyl-D5	5.944	166499	859452	0.1937	9.2801
alpha-PVP	alpha-PVP-d8	6.268	775637	369530	2.0990	103.4404
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.601	35149	243356	0.1444	9.1390
Norbuprenorphine	Norbuprenorphine-D3	6.914	1522	6429	0.2367	11.7963
Fentanyl	Fentanyl-D5	7.019	21045	132311	0.1591	9.4822
EDDP	EDDP-D3	7.130	113925	56546	2.0147	94.0058
Quetiapine	Quetiapine-D8	7.360	1444030	112775	12.8045	104.9161
Sufentanil	Sufentanil-D5	7.379	14405	65971	0.2184	9.5314
Cyclobenzaprine	Cyclobenzaprine-D3	7.433	152757	47173	3.2382	110.7734
Methadone	Methadone-D9	7.443	747563	305525	2.4468	93.6632

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

b cal 5

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.504	345743	152390	2.2688	96.2215
Oxazepam	Oxazepam-D5	7.529	589052	342394	1.7204	92.3950
Sertraline	Sertraline-D3	7.565	136940	70308	1.9477	99.4133
Temazepam	Temazepam-D5	7.587	3295358	1722587	1.9130	95.3019
Buprenorphine	Buprenorphine-D4	7.617	21412	64464	0.3322	8.4128
Nordiazepam	Nordiazepam-D5	7.655	1511655	408300	3.7023	102.3875
Diazepam	Diazepam-D5	7.692	1233792	461713	2.6722	99.5131

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ISP FORENSICS - Pocatello Instrument # 59740

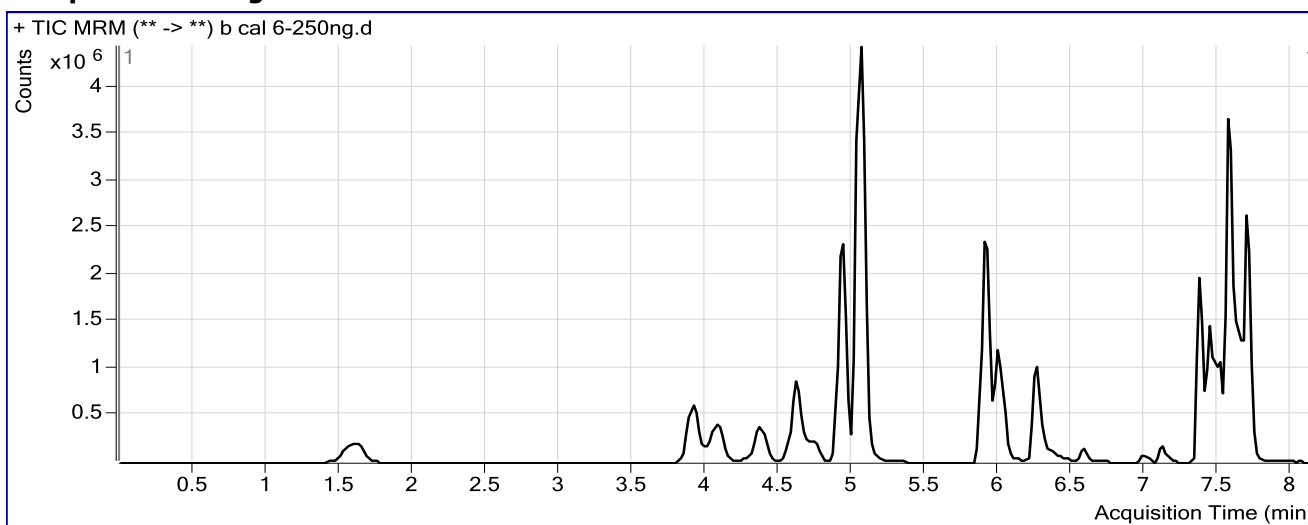
Multi-Drug Confirmatory Analysis Report

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Analysis Time 5/17/2018 12:27 PM **Analyst Name** ISPUser
Report Time 5/17/2018 12:28 PM **Reporter Name** ISPUser
Last Calib Update 5/17/2018 12:27 PM **Batch State** Processed

Analysis Info

Acq Time 2018-05-11 08:29 **Data File** b cal 6-250ng.d
Sample Type Calibration **Sample Name** b cal 6-250ng.d
Dilution 1 **Acq Method** MD Quant Panel 1b 12-12-17.m
Position P1-F1 **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	1.608	1474256	185137	7.9630	251.1193
Dihydrocodeine	Dihydrocodeine-D6	3.915	1275135	257671	4.9487	268.9114
Naloxone	Naloxone-D5	4.070	1905973	418061	4.5591	249.1776
Noroxycodone	Noroxycodone-D3	4.379	1590947	190979	8.3305	243.3373
Naltrexone	Naltrexone-D3	4.611	2045831	355093	5.7614	249.7665
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.764	448288	645066	0.6949	25.2975
Naltrexol	Naltrexol-D3	4.930	6245437	991000	6.3022	248.7534
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.056	14660134	2612765	5.6110	256.4777
Ketamine	Ketamine-D4	5.901	6656251	1094654	6.0807	251.9877
Norfentanyl	Norfentanyl-D5	5.944	489248	976799	0.5009	23.1839
alpha-PVP	alpha-PVP-d8	6.268	2588590	511377	5.0620	247.6718
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.579	124714	331047	0.3767	23.4519
Norbuprenorphine	Norbuprenorphine-D3	6.914	4395	10357	0.4243	21.9748
Fentanyl	Fentanyl-D5	6.999	73289	172493	0.4249	24.9684
EDDP	EDDP-D3	7.130	408359	72568	5.6273	260.0711
Quetiapine	Quetiapine-D8	7.360	4322317	138577	31.1907	254.5777
Sufentanil	Sufentanil-D5	7.379	47889	93949	0.5097	21.9962
Cyclobenzaprine	Cyclobenzaprine-D3	7.413	546281	75531	7.2325	246.2895
Methadone	Methadone-D9	7.443	2733160	421923	6.4779	247.1913

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

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b cal 6

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.504	1084158	177406	6.1112	254.7426
Oxazepam	Oxazepam-D5	7.509	869425	216730	4.0116	212.5320
Sertraline	Sertraline-D3	7.565	432912	84727	5.1095	258.7849
Temazepam	Temazepam-D5	7.567	6725665	1505613	4.4671	220.5007
Buprenorphine	Buprenorphine-D4	7.617	80489	77189	1.0428	22.8719
Nordiazepam	Nordiazepam-D5	7.655	2914924	319771	9.1157	250.7627
Diazepam	Diazepam-D5	7.692	3111824	469765	6.6242	245.1963

ISP FORENSICS - Pocatello Instrument # 59740

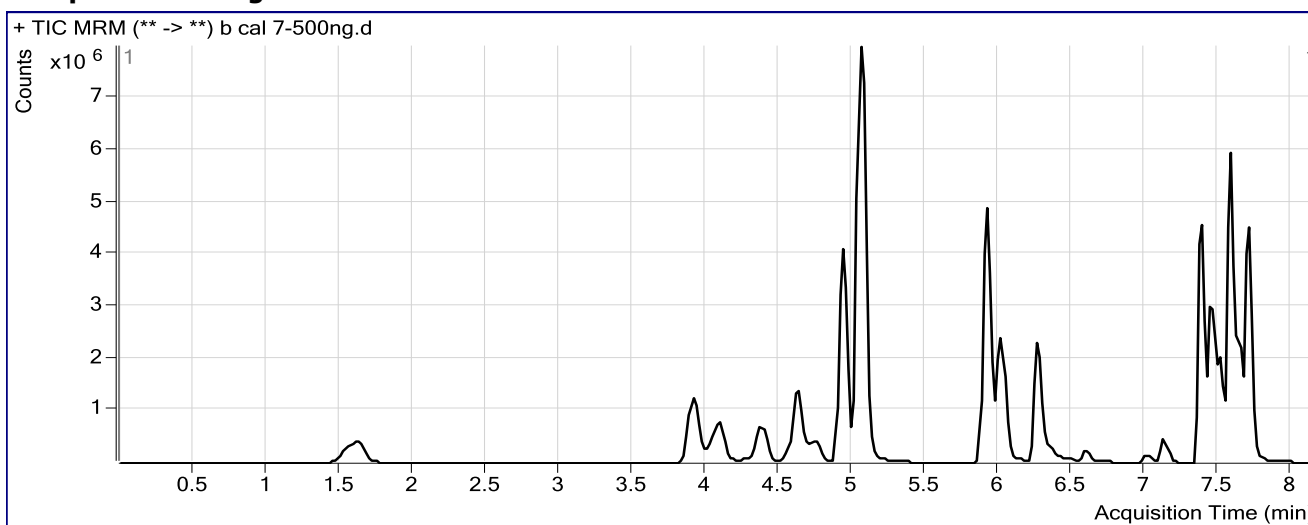
Multi-Drug Confirmatory Analysis Report

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Report Time 5/17/2018 12:28 PM **Reporter Name** ISPUser
Last Calib Update 5/17/2018 12:27 PM **Batch State** Processed

Analysis Info

Acq Time 2018-05-11 09:01 **Data File** b cal 7-500ng.d
Sample Type Calibration **Sample Name** b cal 7-500ng.d
Dilution 1 **Acq Method** MD Quant Panel 1b 12-12-17.m
Position P1-G1 **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	1.628	3021733	181663	16.6337	523.0399
Dihydrocodeine	Dihydrocodeine-D6	3.915	2500224	273806	9.1314	495.5769
Naloxone	Naloxone-D5	4.092	3675870	364013	10.0982	550.4472
Noroxycodone	Noroxycodone-D3	4.379	3074134	179983	17.0801	496.8148
Naltrexone	Naltrexone-D3	4.631	3544490	312491	11.3427	490.9139
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.764	1048801	709508	1.4782	53.7070
Naltrexol	Naltrexol-D3	4.930	11668145	922950	12.6422	498.4102
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.056	29665833	2600627	11.4072	521.2944
Ketamine	Ketamine-D4	5.921	14106536	1166656	12.0914	500.5459
Norfentanyl	Norfentanyl-D5	5.964	1147803	1057643	1.0852	49.6375
alpha-PVP	alpha-PVP-d8	6.268	5835181	564009	10.3459	504.8777
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.601	307584	380311	0.8088	50.0724
Norbuprenorphine	Norbuprenorphine-D3	6.935	9045	9087	0.9954	52.9577
Fentanyl	Fentanyl-D5	7.019	187711	205759	0.9123	53.3631
EDDP	EDDP-D3	7.130	1002083	87851	11.4067	525.7473
Quetiapine	Quetiapine-D8	7.380	10320150	174426	59.1662	482.2962
Sufentanil	Sufentanil-D5	7.379	120284	103335	1.1640	49.9853
Cyclobenzaprine	Cyclobenzaprine-D3	7.433	1242234	79490	15.6276	531.1141
Methadone	Methadone-D9	7.463	5896485	420127	14.0350	535.0152

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ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

b cal 7

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.504	2074189	199136	10.4159	432.3398
Oxazepam	Oxazepam-D5	7.529	1377283	147191	9.3571	492.8259
Sertraline	Sertraline-D3	7.565	955028	87647	10.8963	550.4688
Temazepam	Temazepam-D5	7.587	11583194	1134959	10.2058	501.8152
Buprenorphine	Buprenorphine-D4	7.637	175969	81349	2.1631	45.6688
Nordiazepam	Nordiazepam-D5	7.655	4726754	268160	17.6266	484.0407
Diazepam	Diazepam-D5	7.712	5889410	431229	13.6573	504.4562

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

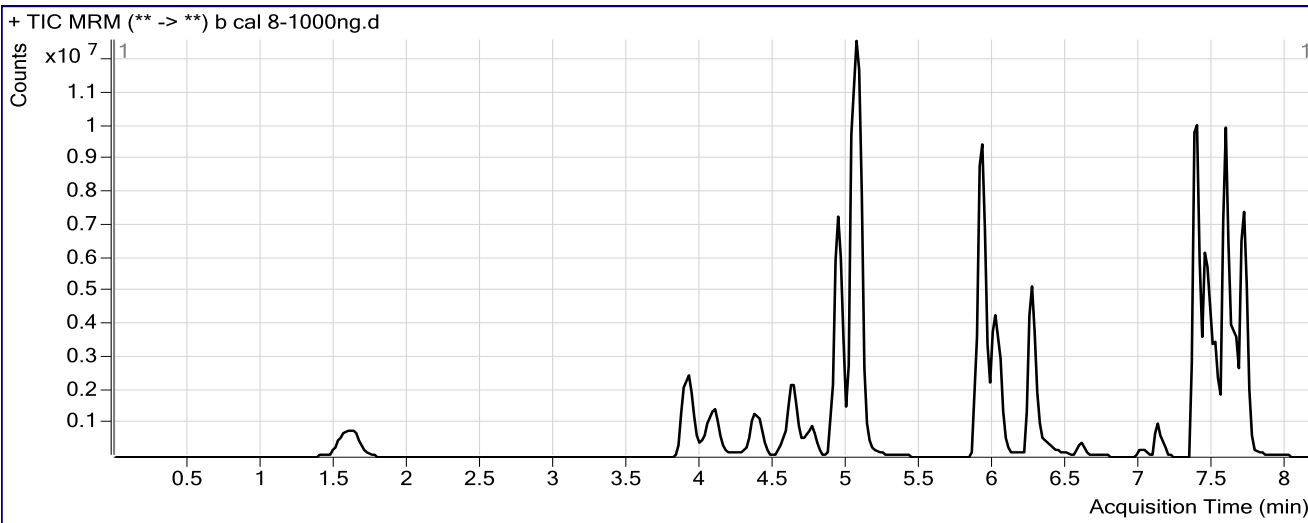
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Analysis Time 5/17/2018 12:27 PM **Analyst Name** ISPUser
Report Time 5/17/2018 12:29 PM **Reporter Name** ISPUser
Last Calib Update 5/17/2018 12:27 PM **Batch State** Processed

Analysis Info

Acq Time 2018-05-11 09:32 **Data File** b cal 8-1000ng.d
Sample Type Calibration **Sample Name** b cal 8-1000ng.d
Dilution 1 **Acq Method** MD Quant Panel 1b 12-12-17.m
Position P1-H1 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.608	6318991	202493	31.2060	980.0383
Dihydrocodeine	Dihydrocodeine-D6	3.915	5234359	288945	18.1154	982.4354
Naloxone	Naloxone-D5	4.092	7040479	340464	20.6790	1125.9374
Noroxycodone	Noroxycodone-D3	4.379	5979702	170676	35.0355	1016.9837
Naltrexone	Naltrexone-D3	4.631	6047043	262401	23.0451	996.5302
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.764	2405560	764934	3.1448	114.1554
Naltrexol	Naltrexol-D3	4.930	22402099	883157	25.3659	999.4401
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.056	54597625	2569474	21.2486	970.9260
Ketamine	Ketamine-D4	5.921	31691472	1286757	24.6290	1019.0018
Norfentanyl	Norfentanyl-D5	5.964	2303763	1015545	2.2685	103.2012
alpha-PVP	alpha-PVP-d8	6.268	12585337	606531	20.7497	1011.3059
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.601	688605	413094	1.6669	102.9492
Norbuprenorphine	Norbuprenorphine-D3	6.914	16169	8756	1.8466	99.1413
Fentanyl	Fentanyl-D5	7.019	405796	209390	1.9380	113.1175
EDDP	EDDP-D3	7.130	2145235	101047	21.2301	977.3241
Quetiapine	Quetiapine-D8	7.380	24509930	203478	120.4549	981.1817
Sufentanil	Sufentanil-D5	7.379	284711	117574	2.4215	103.7808
Cyclobenzaprine	Cyclobenzaprine-D3	7.433	2673513	93685	28.5374	969.1131
Methadone	Methadone-D9	7.463	12022511	453882	26.4882	1009.3098

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

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b cal 8

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.504	4072875	158358	25.7195	1063.7007
Oxazepam	Oxazepam-D5	7.529	2430846	121187	20.0587	1053.9574
Sertraline	Sertraline-D3	7.565	1633990	77669	21.0380	1061.6654
Temazepam	Temazepam-D5	7.587	20169345	957339	21.0681	1034.2863
Buprenorphine	Buprenorphine-D4	7.637	319211	61374	5.2011	107.4836
Nordiazepam	Nordiazepam-D5	7.655	7306370	193897	37.6817	1033.7336
Diazepam	Diazepam-D5	7.712	10393443	366728	28.3410	1045.7428