

TS
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Worklist: 2546

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>	
M2018-2145	1	119592	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
M2018-2479	1	119585	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
M2018-2509	1	119586	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
M2018-2617	2	120562	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
M2018-2829	1	120565	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
M2018-2858	1	120566	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
M2018-2859	1	120567	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
M2018-2959	1	120568	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
M2018-2960	1	120569	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
M2018-3066	2	120570	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
M2018-3094	2	120571	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-1490	1	119587	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-1522	1	119588	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-1649	1	119589	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-1671	1	120563	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-1720	1	120564	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-1747	1	120572	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-1757	1	120573	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-1759	1	120574	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-1772	1	120575	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-1785	1	120576	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-1787	1	120577	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-1789	1	120578	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	

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Worklist: 2546

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>
P2018-1835	1	120579	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: 07/05/18
Plate lot#: 0530563

Analyst: Tamara Salazar
Plate Expiration: 05/21/2019

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: 361331-1
Column: Agilent 120 EC-C18 (2.1x 100-4um)
LCMS-QQQ ID: 59740

Pre-Analytic:

- 1. Check levels of mobile phases and needle wash refill as needed. Ensure waste is not full.
- 2. Ensure correct column is installed and begin mobile phase flow allow to equilibrate ~ 30 minutes.
- 3. Create worklist: _____

Urine Hydrolysis:

- 1. Pipette 250 µL urine into a blank 96-well plate.
- 2. Pipette 200 µL 0.1 M ammonium acetate buffer (pH5) into wells with urine samples.
- 3. Pipette 50 µL of β-glucuronidase (Kura BG-100) to wells with urine.
- 4. Place on shaking incubator at approximately 60°C, 900 rpm for 180 minutes.

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: *C:\MassHunter\Data\2018\MD Quant\070518 MDQ Panel 1 TS worklist 2546*
Batch Name: *070518 MDQ P1a TS*
070518 MDQ P1b TS
- 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.

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- 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:

Curves Limited:

- Amphetamine 10-1000*
- Norhydrocodone 25-1000*
- Tramadol 5-500*
- Venlafaxine 5-500*
- Benzoylcegonine 100-1000*
- Buprenorphine 2.5-100*
- Methadone-5-500*
- O-desmethyl-tramadol 5-500*
- Quetiapine 5-500*

Not evaluated:

- Codeine*
- Dihydrocodeine*
- Norbuprenorphine*

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Worklist: 2549

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>
M2018-1755	1	120650	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC
M2018-2300	1	120651	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC



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

B
A

Extraction Date: 0705/18
Plate lot#: 0530563

Analyst: Sarah Pickle
Plate Expiration: 05/21/19

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: 361331-1
LCMS-QQQ ID: 59740
Column: Agilent 120 EC-C18 (2.1x 100-4um)

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: 070518 MDQ Panel 1 TS worklist 2546 Batch Name: 070518 MDQ P1a TS
- 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: Amphetamine 10-1000, Norhydrocodone 25-1000, Tramadol 5-500, Venlafaxine 5-500*

Did not evaluate: Codeine

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**Idaho State Police
Forensic Services
Toxicology Discipline**

Request for Departure from an Analytical Method

Date of Request

06/27/18

Forensic Scientist

Sarah Pickle

Analytical Method

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

Request

I am formally requesting a deviation to reconstitute with 200 μ L of 20% methanol, rather than 100 μ L, for the case sample M2018-2300-1. Due to the large response for diphenhydramine, the peak is cutting off and thus providing ratios outside of the acceptable range. Diluting the sample should provide a more manageable response for confirmation of the compound. Diphenhydramine will be reported qualitatively instead of quantitatively.

Discipline Leader Review

Departure approved

Comments:

Departure Not Approved

Comments:

Date: 6/27/2018

Celena Shrum

Celena Shrum
Toxicology Discipline Lead



Idaho State Police Forensic Services

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

Analyst: Tamara Salazar
Extraction Date: 07/05/18
Worklist Number: 2546

<i>Reagent</i>	<i>Lot Number</i>	<i>Expiration Date</i>	<i>Date in Service</i>	<i>Date Out of Service</i>	<i>Initials</i>
ToxBox Benzo/Opiate Quant Plate	0530563	05/21/19	06/05/18		
Negative Blood	361331-1		05/25/18		
Negative Urine	POC 062718		06/28/18		
Methanol External Control Solution	121217	12/12/18	12/12/17		
Blood External Control Solution	WS121217	12/12/18	12/12/17		
0.5M Ammonium Hydroxide	032918	09/29/18	03/29/18		
0.1 M Ammonium Acetate (pH 5)	062918	12/29/18	06/29/18		
Formic Acid (LCMS Grade)	095180B		11/15/17		
Water (LCMS Grade)	177528		03/05/18		
Methanol (LCMS Grade)	177145		04/11/18		
Ammonium Formate (LCMS Grade)	A0287238		01/30/17		
Ammonium Acetate (HPLC)	096256A		06/18/18		
Glacial Acetic Acid (LC/MS)	092788		06/05/10		
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	070518	Make Fresh	07/05/18		
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)	061818		06/18/18		
Needle Rinse--75% LCMS MeOH in LCMS Water	070518		07/05/18		

BS

AM #28: Blood Multi-Drug Confirmatory Analysis by LCMS-QQQ
Methanol External Control Solution (Lot:121217)
100 ul each 1 mg/mL stock solution in 9600 ul MeOH

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

Blood External Control Solution (Lot: WS121217)
50 ul of methanol external control solution was added to 9950 ul of blood.

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

Urine External Control Solution (Lot: WS062818)
Three controls were made by adding 50ul, 100ul, and 200ul of methanol external control to 4.5mL of negative urine.

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
Negative Urine		POC062718
Methanol External Control Solution		042618
Prepared:	06/28/18	
Prepared by:	Sarah Pickle	
Expires:	06/28/19	

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	

0.1M Ammonium Acetate (pH 5.0) (Lot: 062918)

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
Ammonium Acetate	Fisher	096256A
Glacial Acetic Acid	Fisher	092788
DI Water	-	-
Prepared:	06/29/18	
Prepared By:	Tamara Salazar	
Expires:	12/29/18	

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

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AM #28: Blood Multi-Drug Confirmatory Analysis by LCMS-QQQ
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 Organic	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: 061818)

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
Formic Acid	Fisher	095180B
MeOH (LCMS Grade)	Fisher	172517
Prepared:	06/18/18	
Prepared By:	Tamara Salazar	

Needle Rinse (75% LCMS MeOH in LCMS Water) (Lot: 061818)

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

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ISP FORENSICS - Pocatello Instrument # 59740

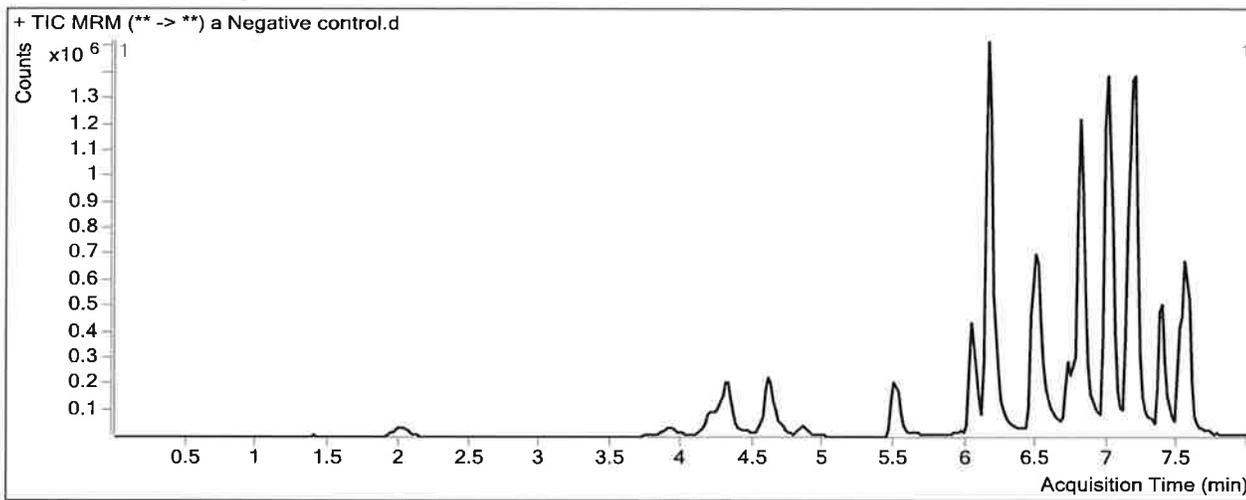
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\070518 MDQ Panel 1 TS worklist 2546\QuantResults\070518 MDQ P1a T
Analysis Time 7/11/2018 8:07 AM **Analyst Name** ISPUser
Report Time 7/11/2018 8:13 AM **Reporter Name** ISPUser
Last Calib Update 7/11/2018 8:06 AM **Batch State** Processed

Analysis Info

Acq Time 2018-07-05 18:47 **Data File** a Negative control.d
Sample Type Sample **Sample Name** a Negative control
Dilution 1 **Acq Method** MD Quant Panel 1a 6-14-18.m
Position P1-D11 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist 2546

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Amphetamine	Amphetamine-D11	4.324	98187	453224	0.2166	0.7099 <5 TS
Methamphetamine	Methamphetamine-D11	4.702	37172	440622	0.0844	2.0476 <5 TS
Diphenhydramine	Diphenhydramine-D3	7.194	63890	3790422	0.0169	0.6116 <5 TS

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ISP FORENSICS - Pocatello Instrument # 59740

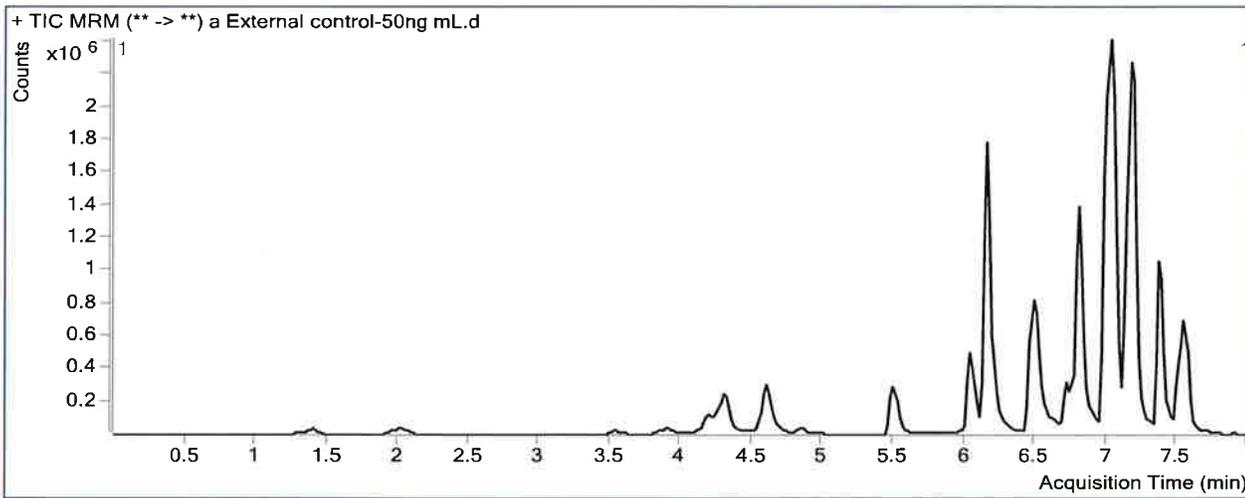
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\070518 MDQ Panel 1 TS worklist 2546\QuantResults\070518 MDQ P1a T
Analysis Time 7/11/2018 8:07 AM **Analyst Name** ISPUser
Report Time 7/11/2018 8:13 AM **Reporter Name** ISPUser
Last Calib Update 7/11/2018 8:06 AM **Batch State** Processed

Analysis Info

Acq Time 2018-07-05 19:18 **Data File** a External control-50ng mL.d
Sample Type Sample **Sample Name** a External control-50ng mL
Dilution 1 **Acq Method** MD Quant Panel 1a 6-14-18.m
Position P1-C11 **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
<u>Morphine</u>	Morphine-D6	1.368	112302	33061	3.3968	<u>46.4033</u>
Amphetamine	Amphetamine-D11	4.324	191178	640981	0.2983	1.8512 <5 TS
Methamphetamine	Methamphetamine-D11	4.702	32963	788799	0.0418	1.1055 <5 TS
<u>Trazodone</u>	Trazodone-D6	7.036	3043561	1899152	1.6026	<u>51.0023</u>
Diphenhydramine	Diphenhydramine-D3	7.194	37078	5981353	0.0062	0.0800 <5 TS

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ISP FORENSICS - Pocatello Instrument # 59740

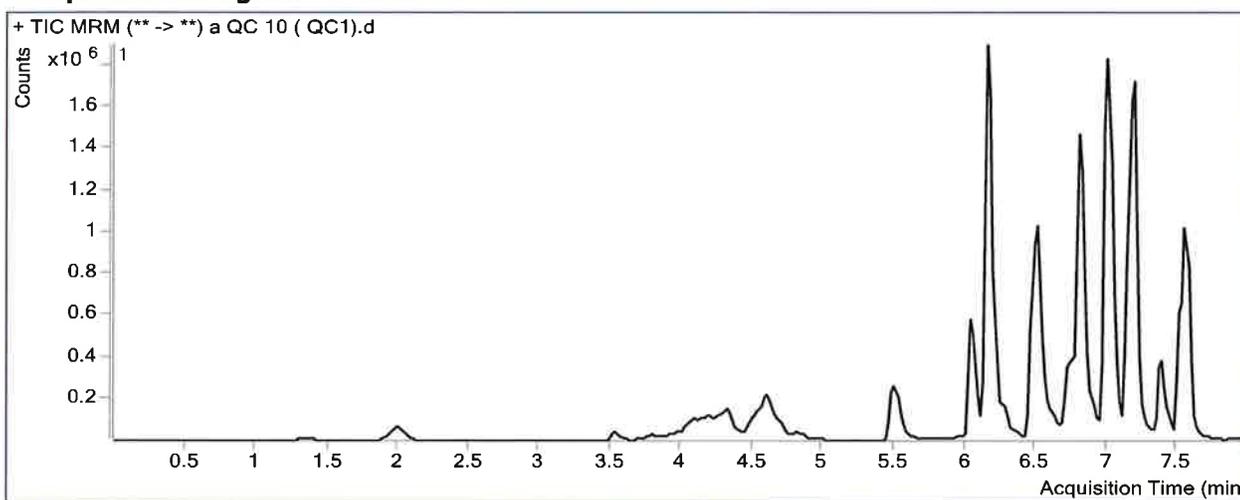
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\070518 MDQ Panel 1 TS worklist 2546\QuantResults\070518 MDQ P1a T
Analysis Time 7/11/2018 8:07 AM **Analyst Name** ISPUser
Report Time 7/11/2018 8:13 AM **Reporter Name** ISPUser
Last Calib Update 7/11/2018 8:06 AM **Batch State** Processed

Analysis Info

Acq Time 2018-07-05 20:21 **Data File** a QC 10 (QC1).d
Sample Type QC **Sample Name** a QC 10 (QC1)
Dilution 1 **Acq Method** MD Quant Panel 1a 6-14-18.m
Position P1-H11 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist 2546

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.368	21246	41028	0.5178	9.3024
Hydromorphone	Hydromorphone-D6	2.009	82763	329078	0.2515	9.5261
Codeine	Codeine-D6	3.992	7137	20094	0.3552	13.0279 <i>Not evaluated TS</i>
Amphetamine	Amphetamine-D11	4.324	468340	211379	2.2156	28.6640
Oxycodone	Oxycodone-D6	4.330	66380	423253	0.1568	7.0709
Hydrocodone	Hydrocodone-D6	4.615	110505	649371	0.1702	10.2091
Norhydrocodone	Norhydrocodone-D3	4.639	6099	178295	0.0342	14.1935 <i>Outside curve range. TS</i>
Methamphetamine	Methamphetamine-D11	4.702	365837	806108	0.4538	10.2239
6-MAM	6-MAM-D6	4.849	3187	136701	0.0233	1.0456
Phentermine	Phentermine-D5	5.546	137096	1147258	0.1195	10.4784
Dextrorphan	Dextrorphan-D3	6.043	205155	1591721	0.1289	10.1893
7-aminoclonazepam	7-Aminoclonazepam-D4	6.153	173779	686690	0.2531	9.7466
Tramadol	Tramadol-13C-D3	6.180	1170673	5752272	0.2035	10.1647
Metoprolol	Tramadol-13C-D3	6.281	107697	5752272	0.0187	10.9024
Doxylamine	Doxylamine-D5	6.502	723568	3912485	0.1849	10.3044
Bupropion	Bupropion-D9	6.751	275548	877816	0.3139	10.0503
Zolpidem	Zolpidem-D6	6.821	813359	4981847	0.1633	10.3074
Meprobamate	Meprobamate-D7	6.853	65381	257668	0.2537	7.6754
Venlafaxine	Venlafaxine-D6	7.006	1092921	4005341	0.2729	10.0552
Trazodone	Trazodone-D6	7.036	385504	1160809	0.3321	10.9230

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

a QC 10 (QC1)

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Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.138	362938	1579752	0.2297	10.3022
Dextromethorphan	Dextromethorphan-D3	7.170	128991	404267	0.3191	12.2775
Diphenhydramine	Diphenhydramine-D3	7.194	807727	3560228	0.2269	11.0874
Promethazine	Promethazine-D3	7.389	256187	879355	0.2913	10.8072
Clonazepam	Clonazepam-D4	7.425	91523	73557	1.2442	10.2940
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.501	25902	122814	0.2109	9.2479
Carisoprodol	Carisoprodol-D7	7.514	254499	1094506	0.2325	10.6663
Lorazepam	Clonazepam-D4	7.543	33409	73557	0.4542	10.2253
Alprazolam	Alprazolam-D5	7.568	578620	1861134	0.3109	9.9388

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ISP FORENSICS - Pocatello Instrument # 59740

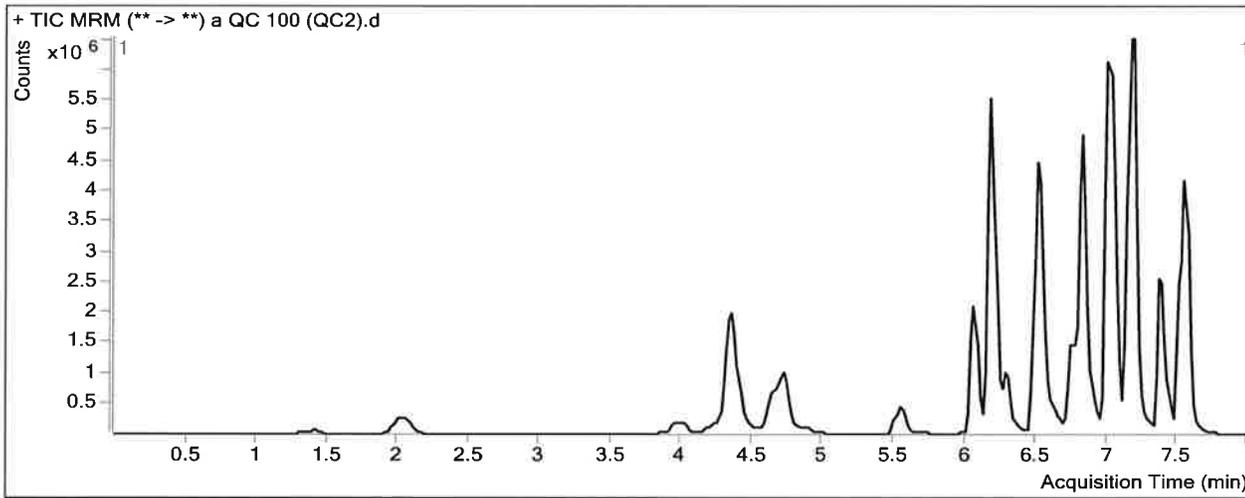
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\070518 MDQ Panel 1 TS worklist 2546\QuantResults\070518 MDQ P1a T
Analysis Time 7/11/2018 8:07 AM **Analyst Name** ISPUser
Report Time 7/11/2018 8:14 AM **Reporter Name** ISPUser
Last Calib Update 7/11/2018 8:06 AM **Batch State** Processed

Analysis Info

Acq Time 2018-07-05 22:58 **Data File** a QC 100 (QC2).d
Sample Type QC **Sample Name** a QC 100 (QC2)
Dilution 1 **Acq Method** MD Quant Panel 1a 6-14-18.m
Position P1-G11 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist 2546

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.388	243885	46604	5.2332	70.0677
Hydromorphone	Hydromorphone-D6	2.049	1030935	349684	2.9482	96.1387
Codeine	Codeine-D6	3.992	377184	144647	2.6076	49.7289 <i>Not evaluated TS</i>
Amphetamine	Amphetamine-D11	4.344	4795392	613304	7.8190	107.0214
Oxycodone	Oxycodone-D6	4.370	3628084	1214482	2.9874	104.4356
Hydrocodone	Hydrocodone-D6	4.655	1290430	724398	1.7814	99.6288
Norhydrocodone	Norhydrocodone-D3	4.699	62912	174054	0.3614	98.9770
Methamphetamine	Methamphetamine-D11	4.724	3585996	845455	4.2415	94.0441
6-MAM	6-MAM-D6	4.869	35561	152512	0.2332	8.5542
Phentermine	Phentermine-D5	5.566	1422545	1160766	1.2255	103.1306
Dextrophan	Dextrophan-D3	6.063	2331173	1713046	1.3608	98.4170
7-aminoclonazepam	7-Aminoclonazepam-D4	6.153	2046174	780440	2.6218	102.2499
Tramadol	Tramadol-13C-D3	6.180	12245716	6019795	2.0342	101.5167
Metoprolol	Tramadol-13C-D3	6.301	1254918	6019795	0.2085	120.5563
Doxylamine	Doxylamine-D5	6.502	7980347	4194725	1.9025	101.3182
Bupropion	Bupropion-D9	6.771	2585289	837415	3.0872	93.3476
Zolpidem	Zolpidem-D6	6.821	9939821	5278725	1.8830	109.7236
Meprobamate	Meprobamate-D7	6.873	882845	267614	3.2989	98.8283
Venlafaxine	Venlafaxine-D6	7.006	11490395	4189832	2.7424	97.5124
Trazodone	Trazodone-D6	7.036	4443580	1369601	3.2444	102.7966

15 P

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

a QC 100 (QC2)

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.138	4561226	1941036	2.3499	98.1212
Dextromethorphan	Dextromethorphan-D3	7.170	1589308	551817	2.8801	101.9407
Diphenhydramine	Diphenhydramine-D3	7.194	8838811	4080543	2.1661	107.8155
Promethazine	Promethazine-D3	7.369	5864372	1978866	2.9635	110.6432
Clonazepam	Clonazepam-D4	7.425	1091931	76978	14.1849	105.2738
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.481	321484	132693	2.4228	83.8642
Carisoprodol	Carisoprodol-D7	7.514	2754615	1085968	2.5366	107.6292
Lorazepam	Clonazepam-D4	7.543	362178	76978	4.7049	86.1979
Alprazolam	Alprazolam-D5	7.547	6112133	1749654	3.4933	93.7505

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ISP FORENSICS - Pocatello Instrument # 59740

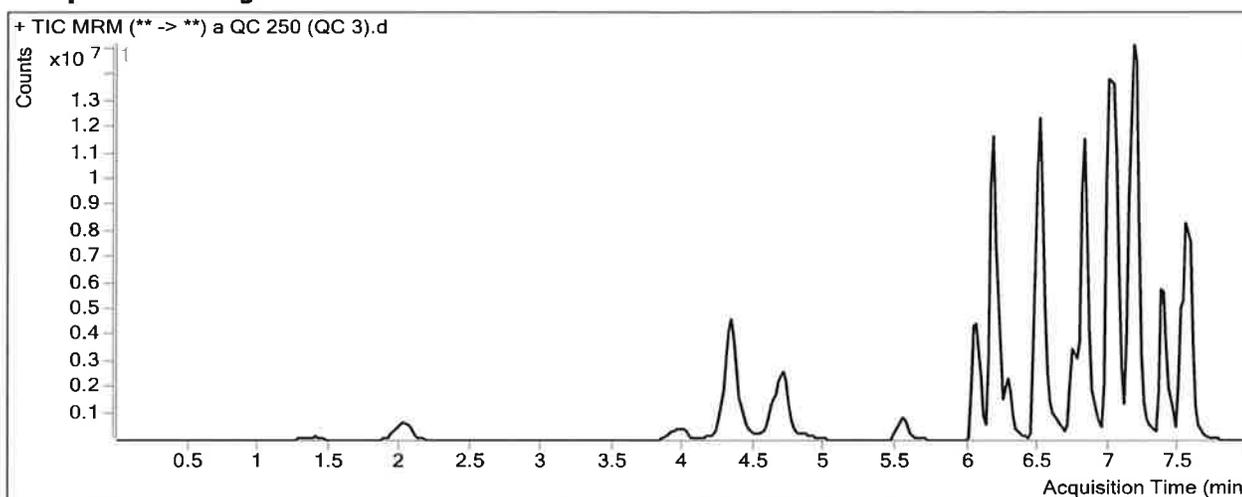
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\070518 MDQ Panel 1 TS worklist 2546\QuantResults\070518 MDQ P1a T
Analysis Time 7/11/2018 8:07 AM **Analyst Name** ISPUser
Report Time 7/11/2018 8:14 AM **Reporter Name** ISPUser
Last Calib Update 7/11/2018 8:06 AM **Batch State** Processed

Analysis Info

Acq Time 2018-07-06 02:54 **Data File** a QC 250 (QC 3).d
Sample Type QC **Sample Name** a QC 250 (QC 3)
Dilution 1 **Acq Method** MD Quant Panel 1a 6-14-18.m
Position P1-F11 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist 2546

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.368	670129	38938	17.2102	224.4132
Hydromorphone	Hydromorphone-D6	2.029	2783578	335039	8.3082	268.2922
Codeine	Codeine-D6	3.992	1021540	144206	7.0839	122.6646 <i>Not evaluated. TS</i>
Amphetamine	Amphetamine-D11	4.324	11445865	628507	18.2112	252.3477
Oxycodone	Oxycodone-D6	4.350	9710862	1321353	7.3492	254.4748
Hydrocodone	Hydrocodone-D6	4.635	3416784	699406	4.8853	271.8898
Norhydrocodone	Norhydrocodone-D3	4.679	174878	164006	1.0663	281.5907
Methamphetamine	Methamphetamine-D11	4.702	9379732	805497	11.6447	257.8744
6-MAM	6-MAM-D6	4.849	102262	143856	0.7109	25.6461
Phentermine	Phentermine-D5	5.546	3595103	1101206	3.2647	273.9533
Dextrorphan	Dextrorphan-D3	6.063	6257589	1729827	3.6175	260.0289
7-aminoclonazepam	7-Aminoclonazepam-D4	6.153	4808590	681886	7.0519	275.2511
Tramadol	Tramadol-13C-D3	6.180	32120184	6272233	5.1210	255.5445
Metoprolol	Tramadol-13C-D3	6.281	2965453	6272233	0.4728	273.3122
Doxylamine	Doxylamine-D5	6.502	21556626	4387562	4.9131	260.8556
Bupropion	Bupropion-D9	6.751	6290298	803965	7.8241	235.6203
Zolpidem	Zolpidem-D6	6.821	26878332	5352219	5.0219	291.1810
Meprobamate	Meprobamate-D7	6.853	2320699	234289	9.9053	296.5769
Venlafaxine	Venlafaxine-D6	7.006	30966523	4162240	7.4399	263.8657
Trazodone	Trazodone-D6	7.036	13117183	1529073	8.5785	271.0676

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

a QC 250 (QC3)

B P

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.138	12062504	1914382	6.3010	261.7804
Dextromethorphan	Dextromethorphan-D3	7.170	4318952	588348	7.3408	258.1093
Diphenhydramine	Diphenhydramine-D3	7.194	24851308	4229938	5.8751	292.8216
Promethazine	Promethazine-D3	7.369	14493274	1991414	7.2779	271.8349
Clonazepam	Clonazepam-D4	7.425	2768264	75233	36.7956	271.2288
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.501	864141	119131	7.2537	246.8333
Carisoprodol	Carisoprodol-D7	7.514	5832052	909633	6.4114	270.6999
Lorazepam	Clonazepam-D4	7.543	1009266	75233	13.4151	241.8737
Alprazolam	Alprazolam-D5	7.568	14534300	1546401	9.3988	249.2744

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ISP FORENSICS - Pocatello Instrument # 59740

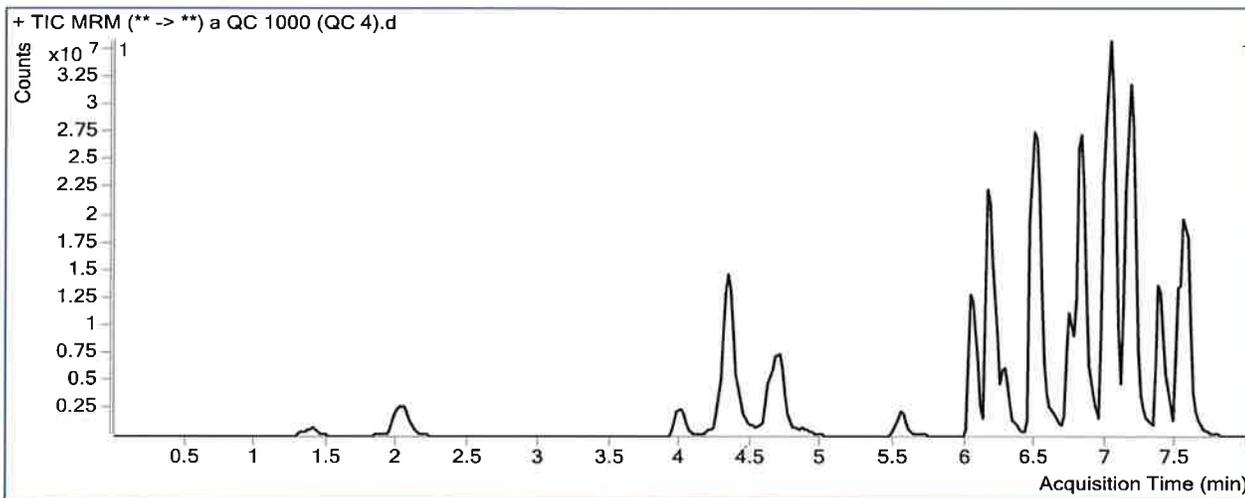
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\070518 MDQ Panel 1 TS worklist 2546\QuantResults\070518 MDQ P1a T		
Analysis Time	7/11/2018 8:07 AM	Analyst Name	ISPUser
Report Time	7/11/2018 8:15 AM	Reporter Name	ISPUser
Last Calib Update	7/11/2018 8:06 AM	Batch State	Processed

Analysis Info

Acq Time	2018-07-06 06:03	Data File	a QC 1000 (QC 4).d
Sample Type	QC	Sample Name	a QC 1000 (QC 4)
Dilution	1	Acq Method	MD Quant Panel 1a 6-14-18.m
Position	P1-E11	Sample Info	
Inj Vol	-1	Comment	AM 28 worklist 2546

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.368	2785166	41443	67.2040	868.6709
Hydromorphone	Hydromorphone-D6	2.029	10690796	326289	32.7648	1053.7895
Codeine	Codeine-D6	3.992	3621691	130155	27.8260	460.6356 <i>Not evaluated TS</i>
Amphetamine	Amphetamine-D11	4.324	30182242	503748	59.9153	835.5429
Oxycodone	Oxycodone-D6	4.350	40995844	1443411	28.4021	978.6565
Hydrocodone	Hydrocodone-D6	4.635	13172490	753523	17.4812	970.9463
Norhydrocodone	Norhydrocodone-D3	4.679	632255	121654	5.1971	1351.8309
Methamphetamine	Methamphetamine-D11	4.702	26148667	574811	45.4909	1006.8837
6-MAM	6-MAM-D6	4.869	428894	153651	2.7914	100.0852
Phentermine	Phentermine-D5	5.546	10938237	899337	12.1626	1019.3323
Dextrorphan	Dextrorphan-D3	6.043	19927978	1379973	14.4408	1035.1616
7-aminoclonazepam	7-Aminoclonazepam-D4	6.153	14786015	599246	24.6744	963.4347
Tramadol	Tramadol-13C-D3	6.180	75634283	5349072	14.1397	705.5711 <i>outside curve - TS range.</i>
Metoprolol	Tramadol-13C-D3	6.281	8427358	5349072	1.5755	910.5661
Doxylamine	Doxylamine-D5	6.483	69189090	4300320	16.0893	853.0916
Bupropion	Bupropion-D9	6.751	19490981	623115	31.2799	940.1201
Zolpidem	Zolpidem-D6	6.821	76382372	5322420	14.3511	830.4913
Meprobamate	Meprobamate-D7	6.873	8347507	212611	39.2618	1175.3139
Venlafaxine	Venlafaxine-D6	7.006	73311153	3450702	21.2453	752.7673 <i>outside curve - TS range.</i>
Trazodone	Trazodone-D6	7.036	40617128	1275674	31.8397	1004.8740

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

u QC 1000 (QC4)

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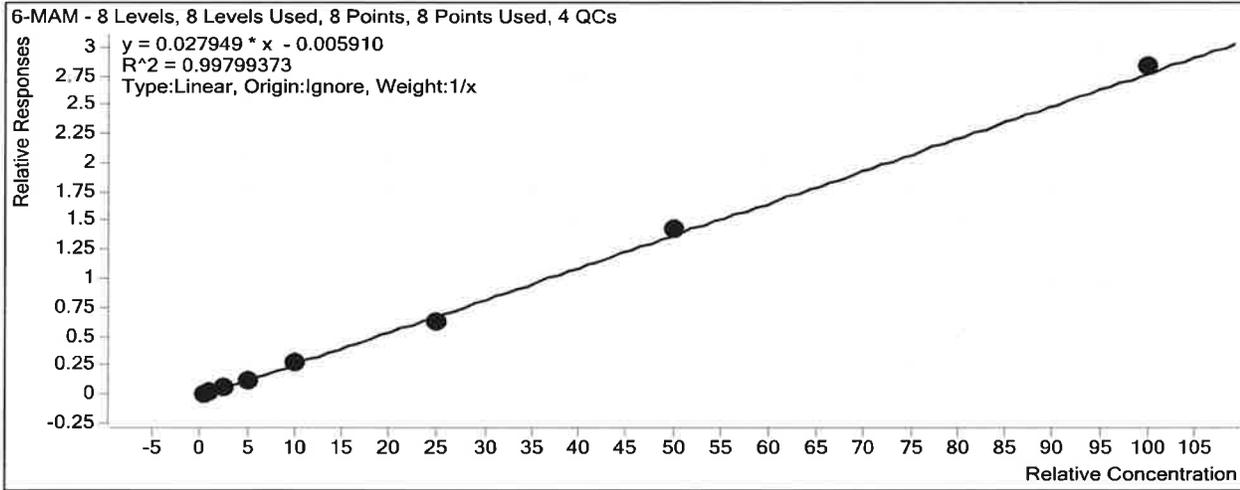
Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.138	28189785	1121478	25.1363	1041.9600
Dextromethorphan	Dextromethorphan-D3	7.170	11310845	368041	30.7326	1077.0575
Diphenhydramine	Diphenhydramine-D3	7.194	52848384	2807644	18.8230	938.6664
Promethazine	Promethazine-D3	7.369	38597751	1270634	30.3768	1134.8433
Clonazepam	Clonazepam-D4	7.425	8677471	63226	137.2454	1008.4943
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.481	3139681	112851	27.8215	940.6795
Carisoprodol	Carisoprodol-D7	7.514	14982183	616672	24.2952	1023.3227
Lorazepam	Clonazepam-D4	7.543	3825405	63226	60.5037	1083.4790
Alprazolam	Alprazolam-D5	7.568	38023067	1052533	36.1253	953.1338

ISP Forensics Calibration Curve Report

B
P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\070518 MDQ Panel 1 TS worklist
2546\QuantResults\070518 MDQ P1a TS.batch.bin
Last Calib Update 7/11/2018 8:06 AM **Analyst Name** ISP TOX

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



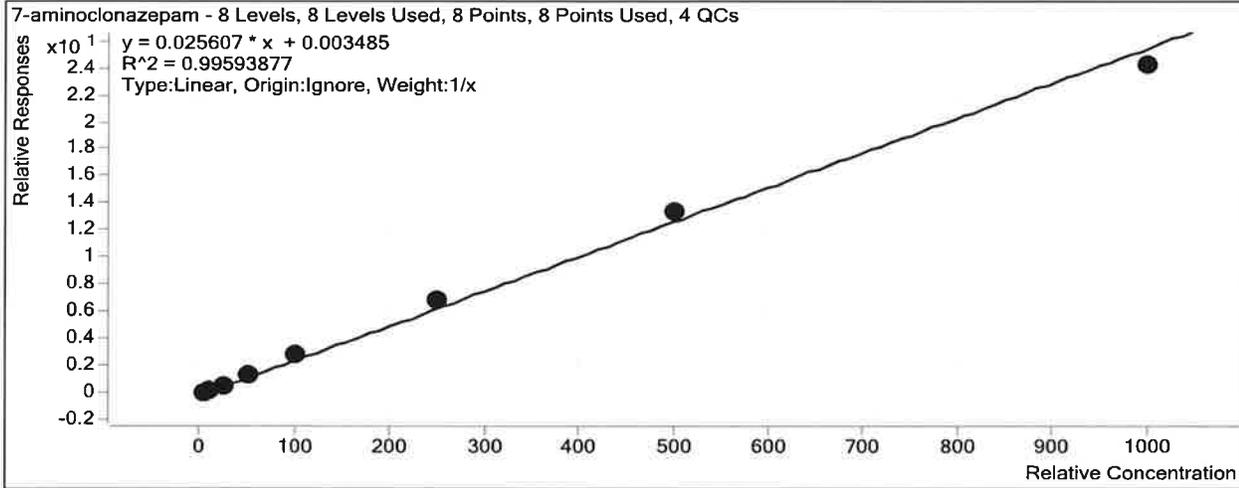
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a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	1	1.0	104.6
a cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.5	101.1
a cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.3	86.4
a cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.9	98.5
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	10	8.6	85.5
a cal 6-250ng	6	<input checked="" type="checkbox"/>	25	22.9	91.5
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	25	25.6	102.6
a cal 7-500ng	7	<input checked="" type="checkbox"/>	50	51.3	102.6
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	101.5	101.5
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	100	100.1	100.1

ISP Forensics Calibration Curve Report

13
P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\070518 MDQ Panel 1 TS worklist
2546\QuantResults\070518 MDQ P1a TS.batch.bin
Last Calib Update 7/11/2018 8:06 AM **Analyst Name** ISP TOX

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



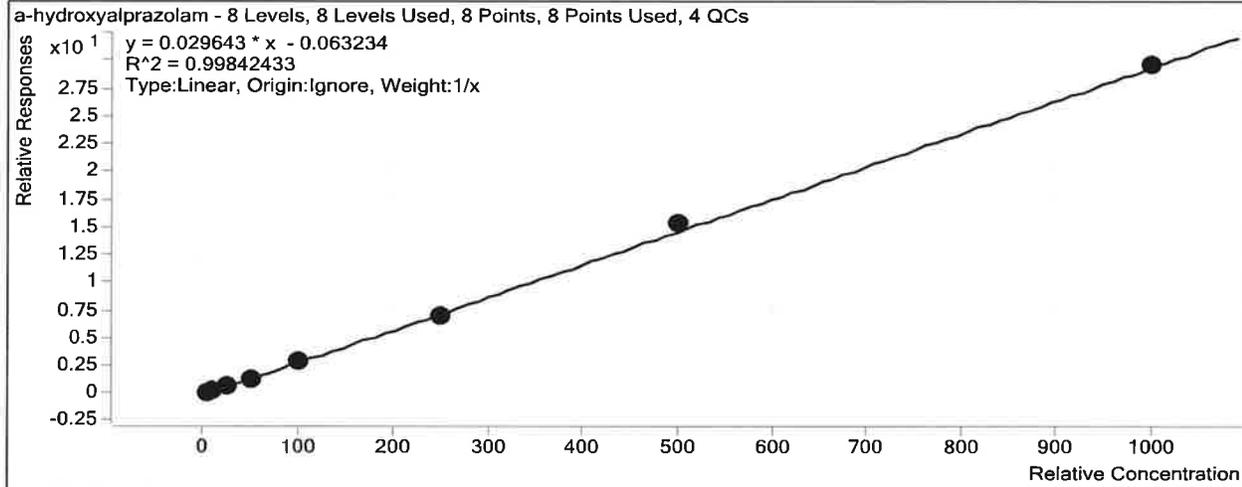
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.4	88.3
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.3	92.9
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.7	97.5
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.3	97.2
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.1	104.2
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	109.6	109.6
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	102.2	102.2
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	271.2	108.5
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	275.3	110.1
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	524.4	104.9
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	944.6	94.5
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	963.4	96.3

ISP Forensics Calibration Curve Report

AS
P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\070518 MDQ Panel 1 TS worklist
2546\QuantResults\070518 MDQ P1a TS.batch.bin
Last Calib Update 7/11/2018 8:06 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	6.5	129.5
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	95.8
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.2	92.5
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	21.0	83.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.0	92.0
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.0	100.0
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	83.9	83.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	237.2	94.9
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	246.8	98.7
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	519.0	103.8
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1000.7	100.1
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	940.7	94.1

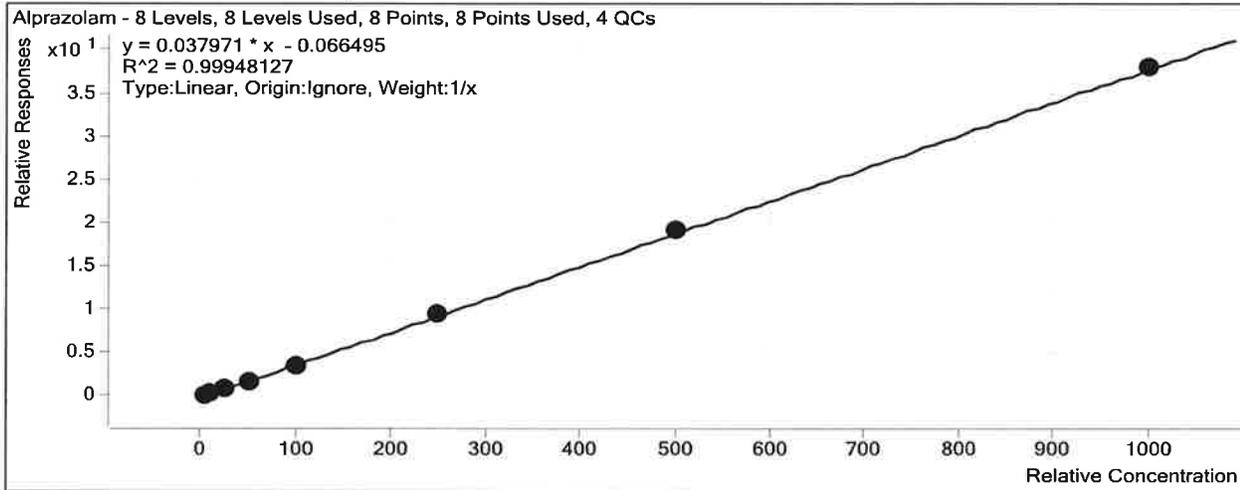
ISP Forensics Calibration Curve Report

TS


Batch Data Path C:\MassHunter\Data\2018\MD Quant\070518 MDQ Panel 1 TS worklist
2546\QuantResults\070518 MDQ P1a TS.batch.bin

Last Calib Update 7/11/2018 8:06 AM **Analyst Name** ISP TOX

Target Compound Alprazolam
Internal Standard Alprazolam-D5



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.9	117.3
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	99.7
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.9	99.4
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.2	92.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.7	93.4
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	95.2	95.2
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	93.8	93.8
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	249.0	99.6
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	249.3	99.7
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	509.8	102.0
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1000.3	100.0
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	953.1	95.3

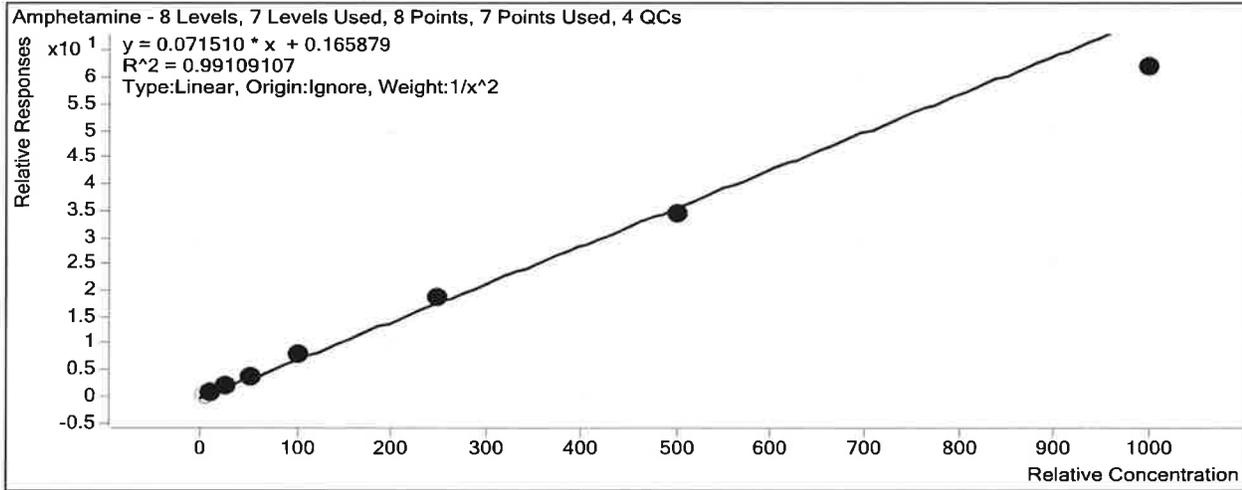
ISP Forensics Calibration Curve Report

B
P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\070518 MDQ Panel 1 TS worklist
2546\QuantResults\070518 MDQ P1a TS.batch.bin

Last Calib Update 7/11/2018 8:06 AM **Analyst Name** ISP TOX

Target Compound Amphetamine
Internal Standard Amphetamine-D11



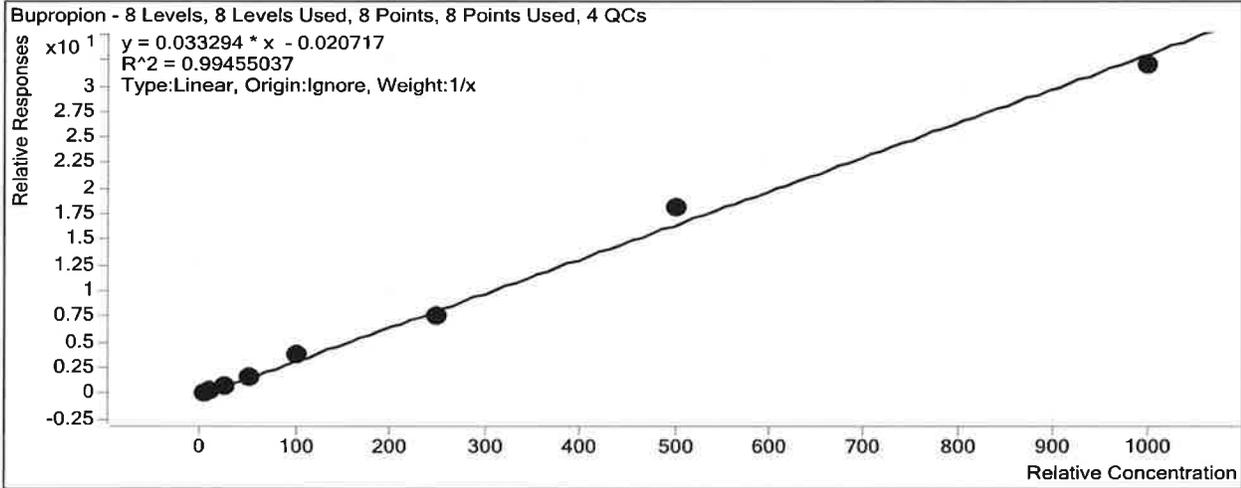
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input type="checkbox"/>	5	5.4	107.9
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.5	95.1
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	28.7	286.6
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	27.4	109.5
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.0	102.0
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	108.0	108.0
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	107.0	107.0
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	258.8	103.5
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	252.3	100.9
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	477.1	95.4
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	865.1	86.5
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	835.5	83.6

ISP Forensics Calibration Curve Report

15
P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\070518 MDQ Panel 1 TS worklist
2546\QuantResults\070518 MDQ P1a TS.batch.bin
Last Calib Update 7/11/2018 8:06 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	103.9
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.2	92.1
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.1	100.5
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.2	92.7
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.1	98.1
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	115.7	115.7
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	93.3	93.3
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	230.5	92.2
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	235.6	94.2
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	545.1	109.0
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	962.1	96.2
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	940.1	94.0

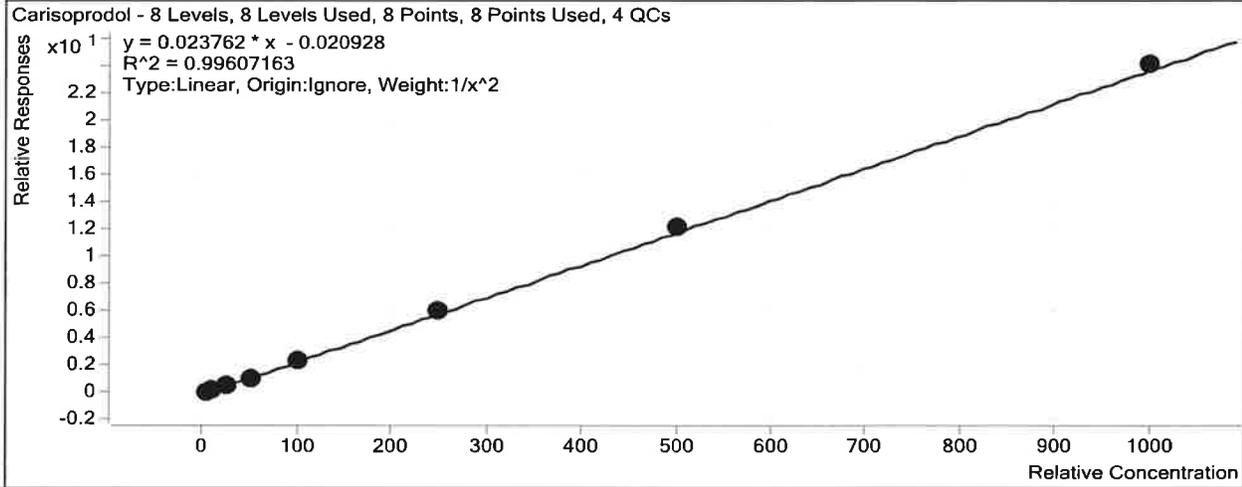
ISP Forensics Calibration Curve Report

B
P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\070518 MDQ Panel 1 TS worklist
2546\QuantResults\070518 MDQ P1a TS.batch.bin

Last Calib Update 7/11/2018 8:06 AM **Analyst Name** ISP TOX

Target Compound Carisoprodol
Internal Standard Carisoprodol-D7



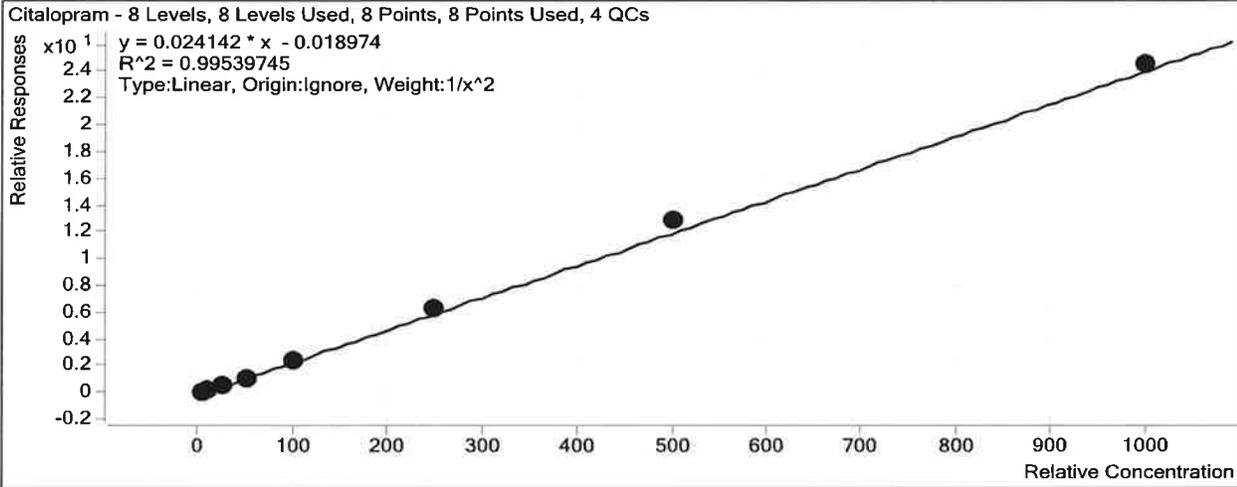
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a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.0	90.5
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.7	106.7
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.6	106.5
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.6	93.2
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.0	100.0
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	107.6	107.6
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	255.8	102.3
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	270.7	108.3
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	510.0	102.0
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1013.8	101.4
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1023.3	102.3

ISP Forensics Calibration Curve Report

15
D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\070518 MDQ Panel 1 TS worklist
2546\QuantResults\070518 MDQ P1a TS.batch.bin
Last Calib Update 7/11/2018 8:06 AM **Analyst Name** ISP TOX

Target Compound Citalopram
Internal Standard Citalopram-D6



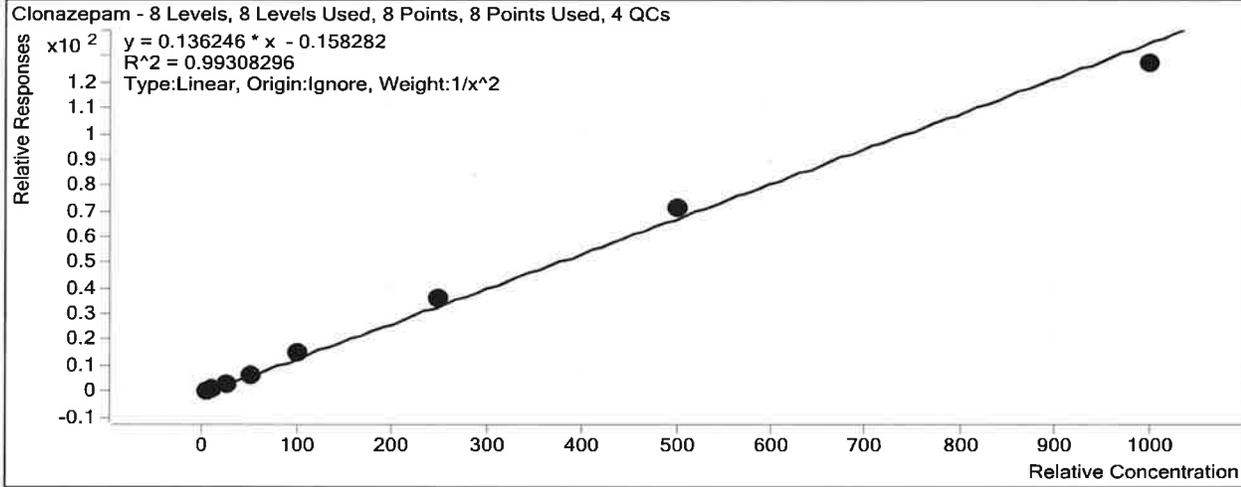
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a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.3	93.3
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.3	103.0
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.0	92.0
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.6	95.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.7	99.7
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	98.1	98.1
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	264.9	106.0
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	261.8	104.7
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	534.5	106.9
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1016.1	101.6
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1042.0	104.2

ISP Forensics Calibration Curve Report

TS
P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\070518 MDQ Panel 1 TS worklist
2546\QuantResults\070518 MDQ P1a TS.batch.bin
Last Calib Update 7/11/2018 8:06 AM **Analyst Name** ISP TOX

Target Compound Clonazepam
Internal Standard Clonazepam-D4



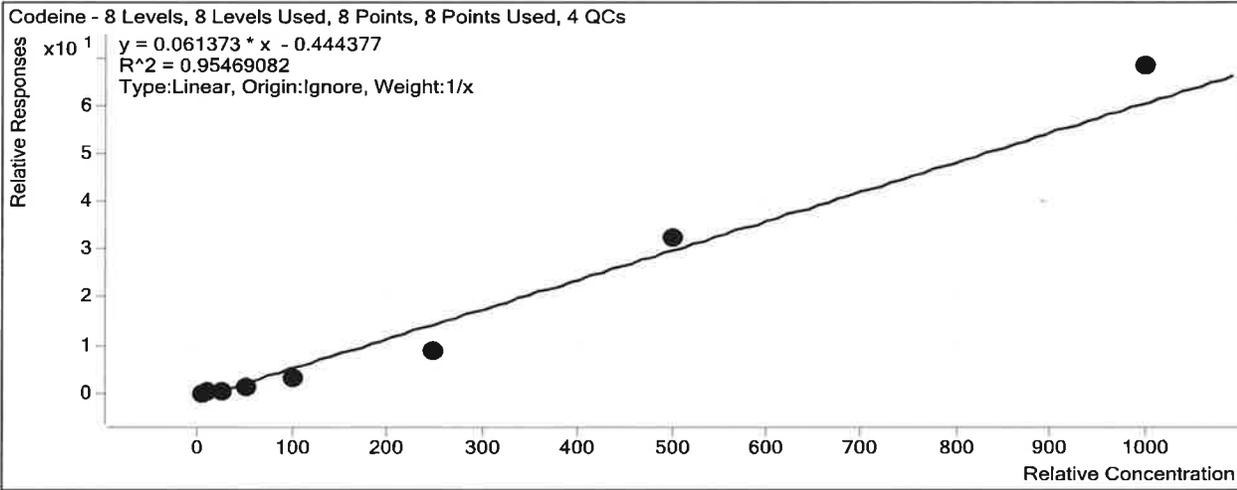
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.3	105.1
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.2	92.4
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.3	102.9
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.4	93.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.9	93.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	109.3	109.3
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	105.3	105.3
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	266.9	106.8
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	271.2	108.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	527.3	105.5
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	935.8	93.6
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1008.5	100.8

ISP Forensics Calibration Curve Report

B
P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\070518 MDQ Panel 1 TS worklist
2546\QuantResults\070518 MDQ P1a TS.batch.bin
Last Calib Update 7/11/2018 8:06 AM **Analyst Name** ISP TOX

Target Compound Codeine
Internal Standard Codeine-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	9.1	182.8
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	14.6	145.9
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	13.0	130.3
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	16.9	67.5
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	32.3	64.6
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	58.2	58.2
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	49.7	49.7
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	155.6	62.3
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	122.7	49.1
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	534.8	107.0
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1118.5	111.8
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	460.6	46.1

* Compound not evaluated - TS

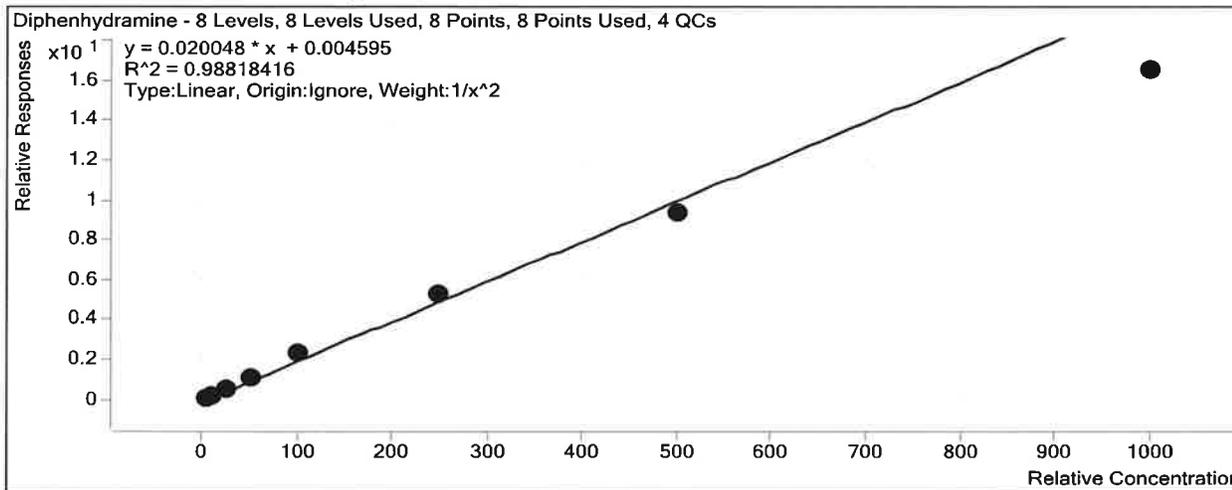
ISP Forensics Calibration Curve Report

B
P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\070518 MDQ Panel 1 TS worklist
2546\QuantResults\070518 MDQ P1a TS.batch.bin

Last Calib Update 7/11/2018 8:06 AM **Analyst Name** **ISP TOX**

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



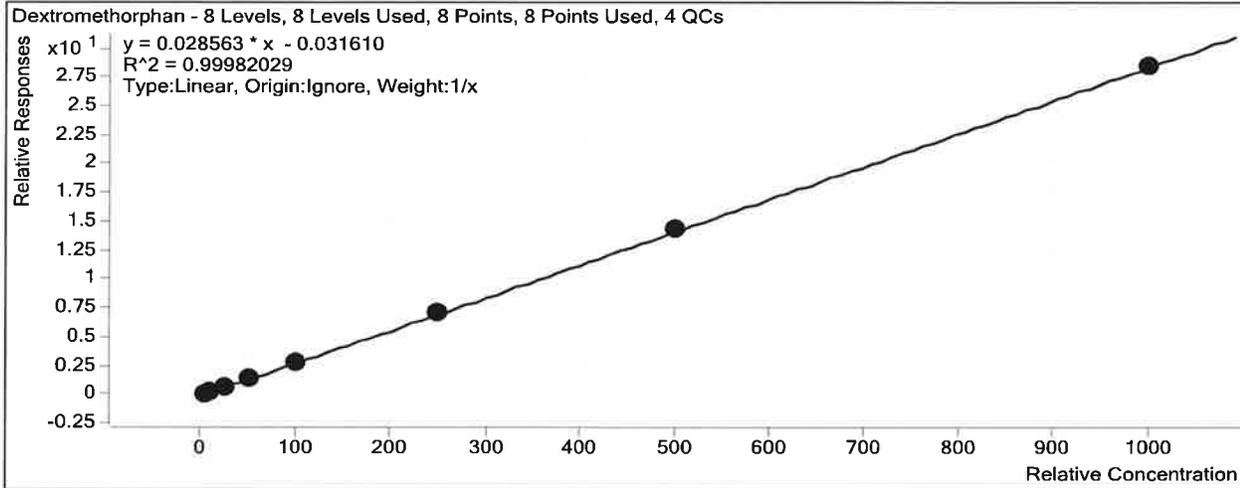
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.1
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	96.8
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	11.1	110.9
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.4	101.5
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.5	104.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	114.3	114.3
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	107.8	107.8
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	265.5	106.2
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	292.8	117.1
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	470.1	94.0
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	822.1	82.2
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	938.7	93.9

ISP Forensics Calibration Curve Report

B
D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\070518 MDQ Panel 1 TS worklist
2546\QuantResults\070518 MDQ P1a TS.batch.bin
Last Calib Update 7/11/2018 8:06 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.6	112.0
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.4	94.3
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	12.3	122.8
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.3	93.1
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.9	97.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.3	102.3
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	101.9	101.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	250.7	100.3
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	258.1	103.2
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	501.9	100.4
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	997.8	99.8
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1077.1	107.7

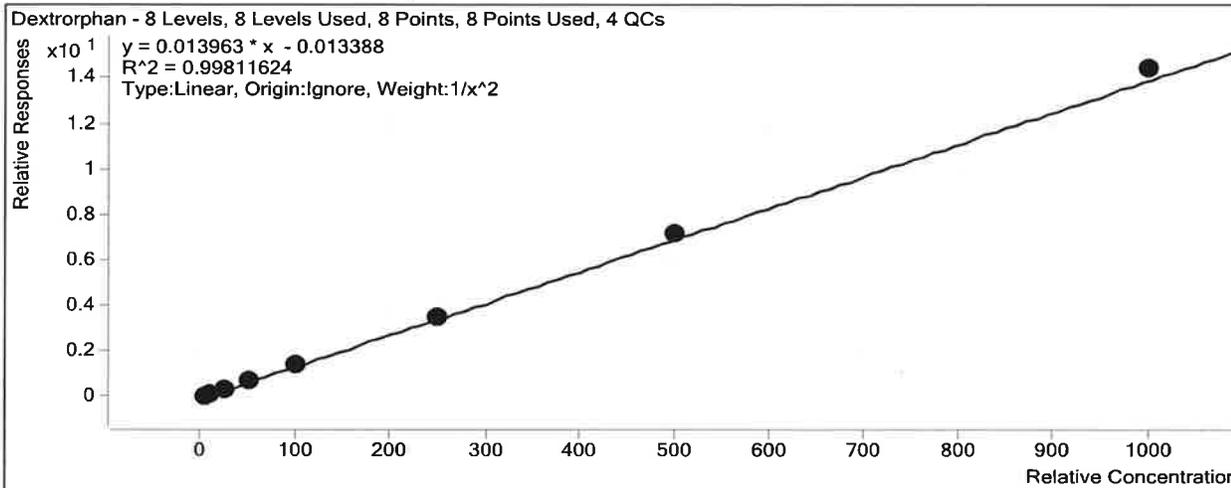
ISP Forensics Calibration Curve Report

B
P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\070518 MDQ Panel 1 TS worklist
2546\QuantResults\070518 MDQ P1a TS.batch.bin

Last Calib Update 7/11/2018 8:06 AM **Analyst Name** ISP TOX

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



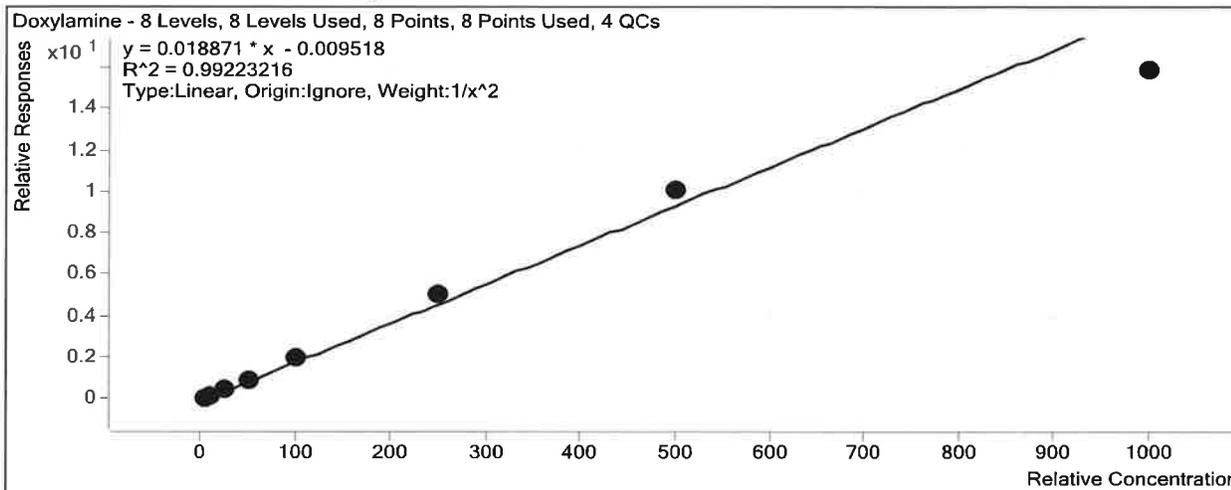
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	104.0
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.4	93.8
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.2	101.9
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.1	96.4
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.6	97.2
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.8	100.8
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	98.4	98.4
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	252.4	101.0
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	260.0	104.0
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	518.3	103.7
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1031.9	103.2
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1035.2	103.5

ISP Forensics Calibration Curve Report

B
P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\070518 MDQ Panel 1 TS worklist
2546\QuantResults\070518 MDQ P1a TS.batch.bin
Last Calib Update 7/11/2018 8:06 AM **Analyst Name** ISP TOX

Target Compound Doxylamine
Internal Standard Doxylamine-D5



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.3
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.5	94.8
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.3	103.0
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.0	99.8
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.9	99.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	105.4	105.4
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	101.3	101.3
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	268.0	107.2
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	260.9	104.3
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	533.0	106.6
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	840.3	84.0
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	853.1	85.3

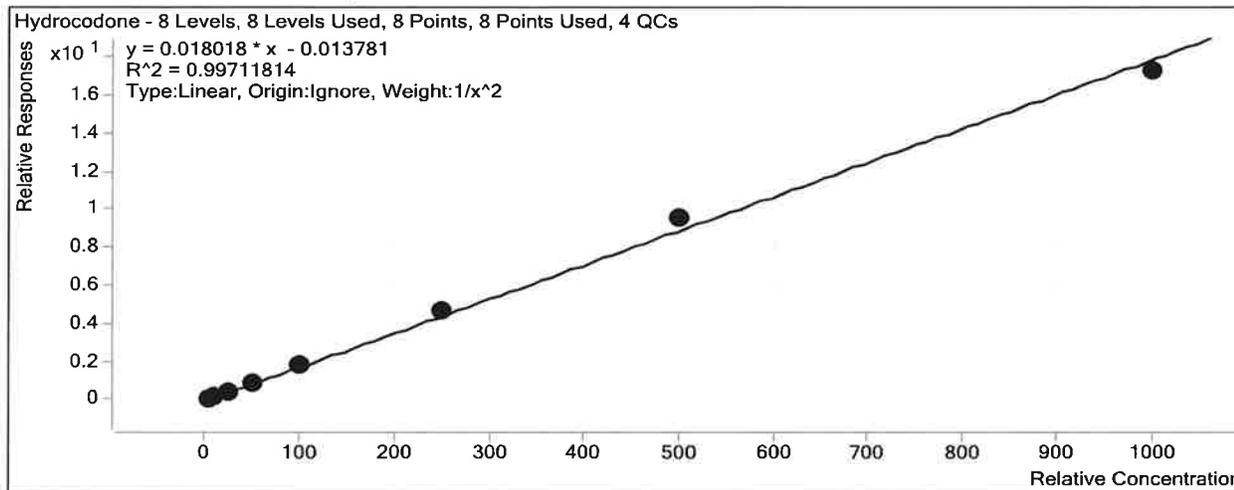
ISP Forensics Calibration Curve Report

B
D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\070518 MDQ Panel 1 TS worklist
2546\QuantResults\070518 MDQ P1a TS.batch.bin

Last Calib Update 7/11/2018 8:06 AM **Analyst Name** ISP TOX

Target Compound Hydrocodone
Internal Standard Hydrocodone-D6



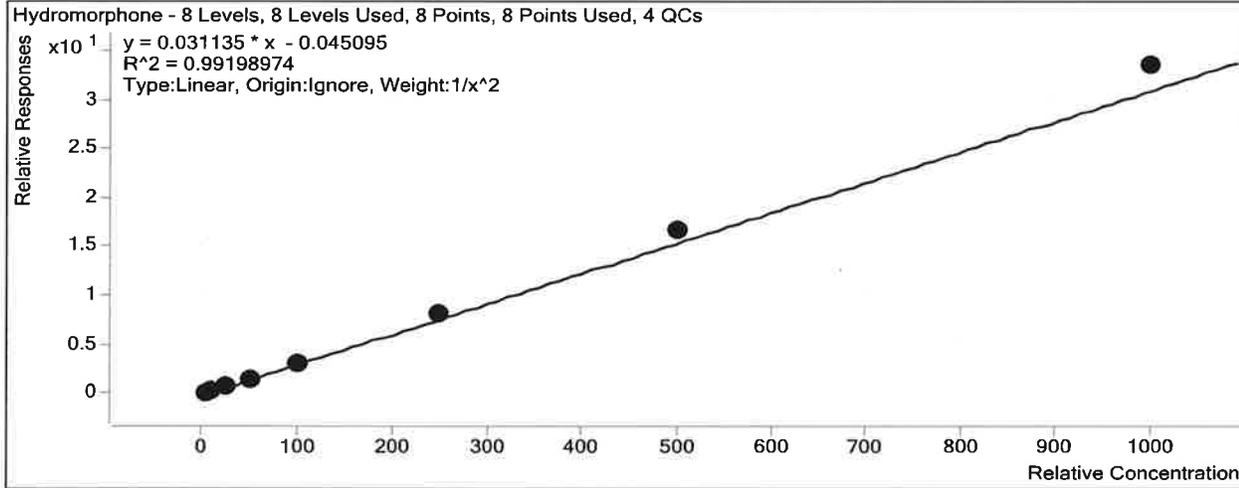
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	104.0
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.3	93.1
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.2	102.1
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.5	98.0
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.3	96.5
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.5	102.5
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	99.6	99.6
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	259.6	103.8
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	271.9	108.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	530.2	106.0
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	960.4	96.0
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	970.9	97.1

ISP Forensics Calibration Curve Report

B
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Batch Data Path C:\MassHunter\Data\2018\MD Quant\070518 MDQ Panel 1 TS worklist
2546\QuantResults\070518 MDQ P1a TS.batch.bin
Last Calib Update 7/11/2018 8:06 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.4	107.0
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.1	91.2
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.5	95.3
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.4	89.7
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	45.9	91.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.4	101.4
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	96.1	96.1
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	260.6	104.2
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	268.3	107.3
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	534.1	106.8
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1077.6	107.8
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1053.8	105.4

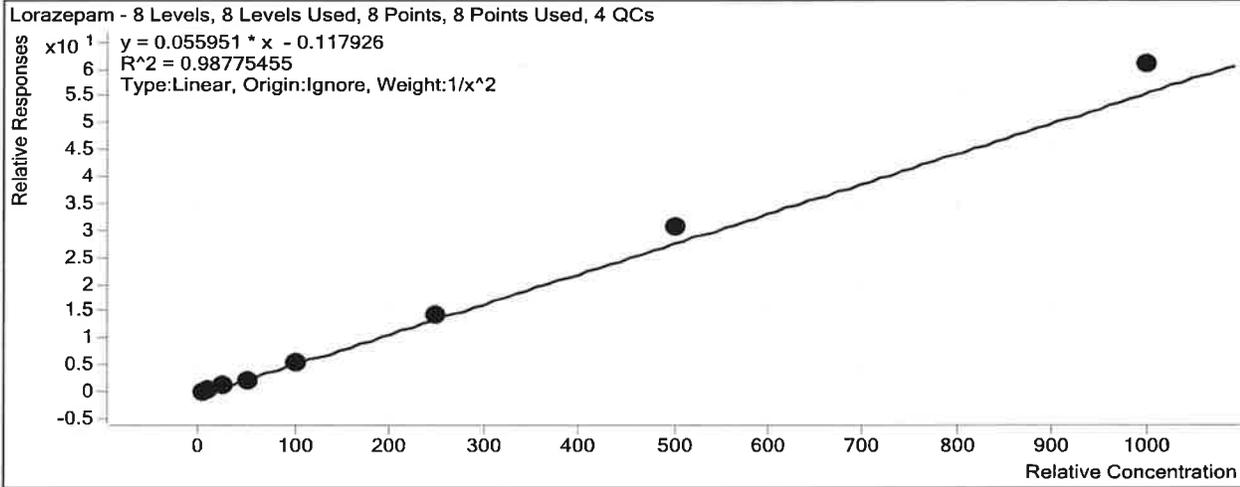
ISP Forensics Calibration Curve Report

B
D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\070518 MDQ Panel 1 TS worklist
2546\QuantResults\070518 MDQ P1a TS.batch.bin

Last Calib Update 7/11/2018 8:06 AM **Analyst Name** ISP TOX

Target Compound Lorazepam
Internal Standard Clonazepam-D4



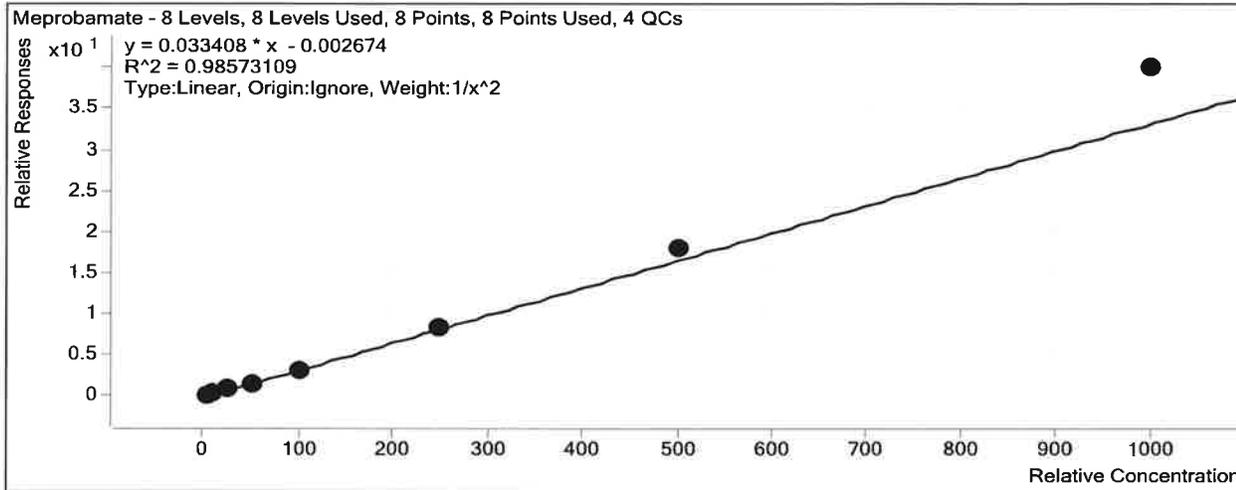
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.3	106.0
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.1	91.2
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.2	102.3
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.1	100.4
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	40.9	81.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.9	97.9
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	86.2	86.2
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	257.9	103.1
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	241.9	96.7
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	552.7	110.5
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1090.3	109.0
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1083.5	108.3

ISP Forensics Calibration Curve Report

B
D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\070518 MDQ Panel 1 TS worklist
2546\QuantResults\070518 MDQ P1a TS.batch.bin
Last Calib Update 7/11/2018 8:06 AM **Analyst Name** ISP TOX

Target Compound Meprobamate
Internal Standard Meprobamate-D7



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.3	105.9
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.4	93.8
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	7.7	76.8
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.3	93.2
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	43.7	87.4
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	93.6	93.6
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	98.8	98.8
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	247.8	99.1
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	296.6	118.6
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	536.8	107.4
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1197.0	119.7
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1175.3	117.5

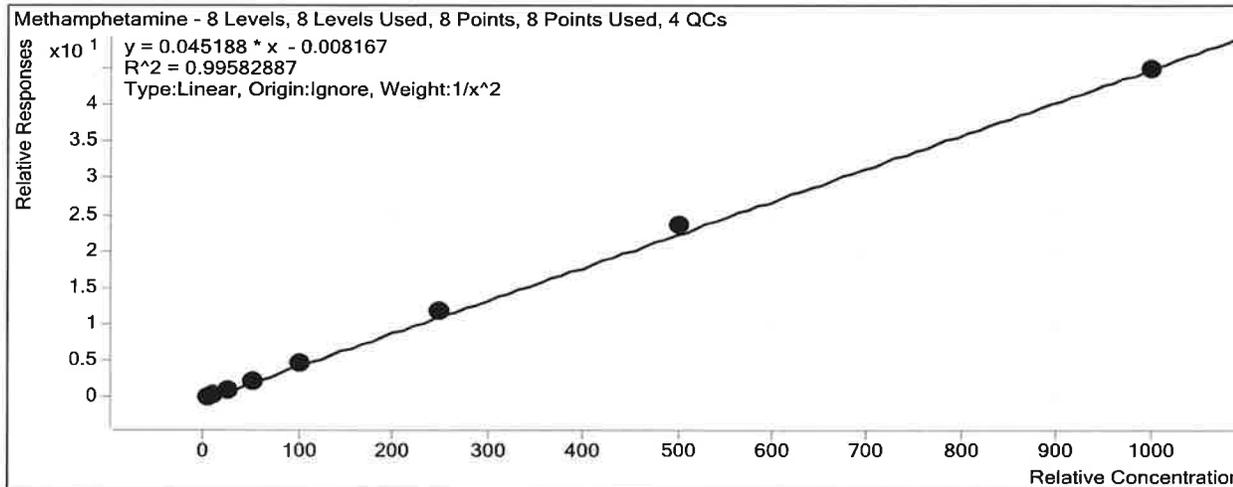
ISP Forensics Calibration Curve Report

B
P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\070518 MDQ Panel 1 TS worklist
2546\QuantResults\070518 MDQ P1a TS.batch.bin

Last Calib Update 7/11/2018 8:06 AM **Analyst Name** ISP TOX

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



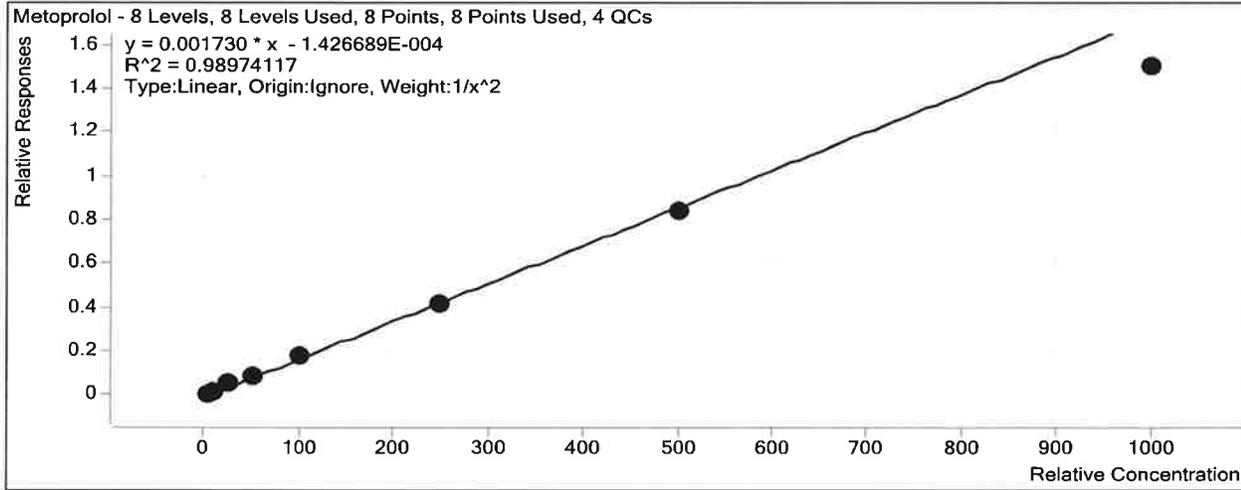
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	104.6
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.5	94.5
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.2	102.2
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.6	90.3
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.7	97.5
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.7	102.7
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	94.0	94.0
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	265.8	106.3
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	257.9	103.1
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	523.5	104.7
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	992.9	99.3
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1006.9	100.7

ISP Forensics Calibration Curve Report

B
P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\070518 MDQ Panel 1 TS worklist
2546\QuantResults\070518 MDQ P1a TS.batch.bin
Last Calib Update 7/11/2018 8:06 AM **Analyst Name** ISP TOX

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



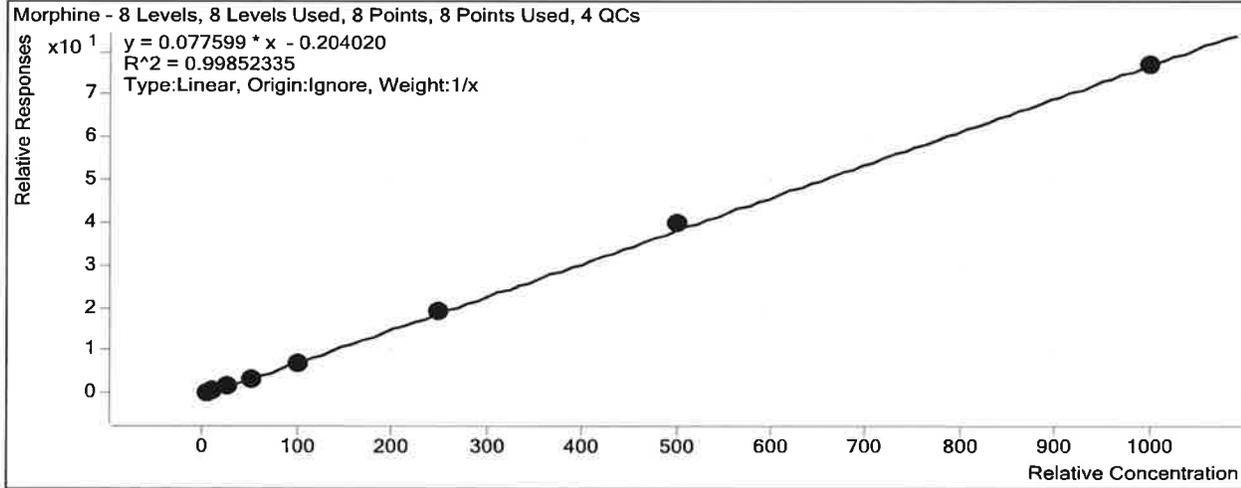
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.9	97.7
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	96.7
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.9	109.0
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	29.3	117.4
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.4	104.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.8	102.8
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	120.6	120.6
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	242.8	97.1
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	273.3	109.3
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	484.3	96.9
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	866.3	86.6
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	910.6	91.1

ISP Forensics Calibration Curve Report

15
P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\070518 MDQ Panel 1 TS worklist
2546\QuantResults\070518 MDQ P1a TS.batch.bin
Last Calib Update 7/11/2018 8:06 AM **Analyst Name** ISP TOX

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



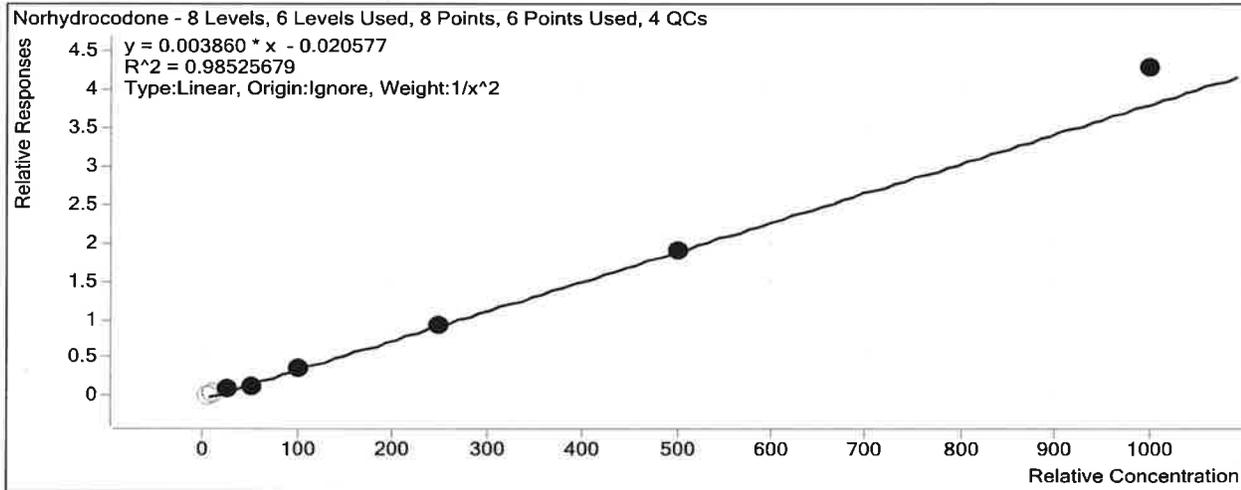
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	6.3	125.7
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.4	104.0
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.3	93.0
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	20.7	82.7
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	44.7	89.5
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	94.9	94.9
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	70.1	70.1
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	250.1	100.0
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	224.4	89.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	518.5	103.7
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	994.4	99.4
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	868.7	86.9

ISP Forensics Calibration Curve Report

B
D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\070518 MDQ Panel 1 TS worklist
2546\QuantResults\070518 MDQ P1a TS.batch.bin
Last Calib Update 7/11/2018 8:06 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input type="checkbox"/>	5	11.1	221.0
a cal 2-10ng	2	<input type="checkbox"/>	10	13.9	139.1
a QC 10 (QC1)	2	<input type="checkbox"/>	10	14.2	141.9
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	27.1	108.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	41.9	83.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.6	97.6
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	99.0	99.0
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	245.3	98.1
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	281.6	112.6
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	500.8	100.2
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1117.1	111.7
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1351.8	135.2

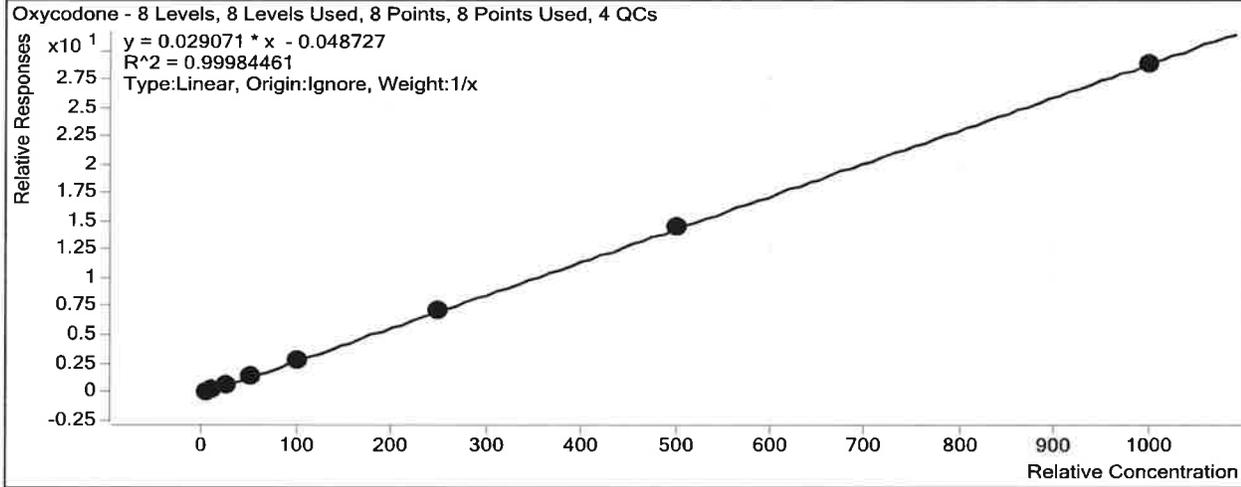
ISP Forensics Calibration Curve Report

TS
P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\070518 MDQ Panel 1 TS worklist
2546\QuantResults\070518 MDQ P1a TS.batch.bin

Last Calib Update 7/11/2018 8:06 AM **Analyst Name** **ISP TOX**

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



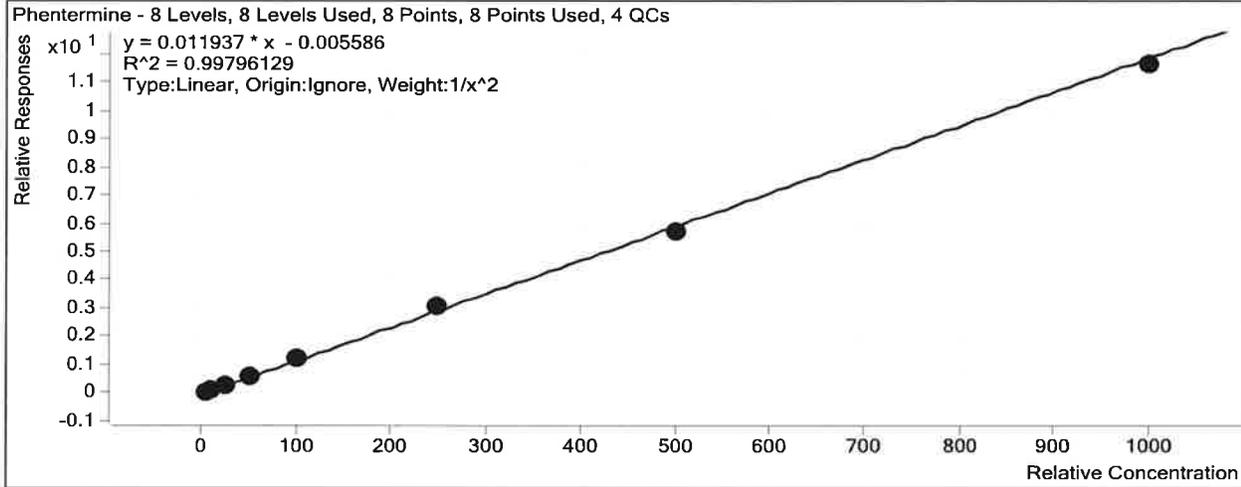
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.4	107.6
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.3	93.2
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	7.1	70.7
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.8	95.1
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.5	103.0
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.2	100.2
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	104.4	104.4
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	251.9	100.7
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	254.5	101.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	504.4	100.9
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	993.6	99.4
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	978.7	97.9

ISP Forensics Calibration Curve Report

B
P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\070518 MDQ Panel 1 TS worklist
2546\QuantResults\070518 MDQ P1a TS.batch.bin
Last Calib Update 7/11/2018 8:06 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.7
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.3	93.5
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.5	104.8
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.3	101.0
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.3	100.6
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	105.0	105.0
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	103.1	103.1
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	258.5	103.4
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	274.0	109.6
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	481.7	96.3
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	974.2	97.4
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1019.3	101.9

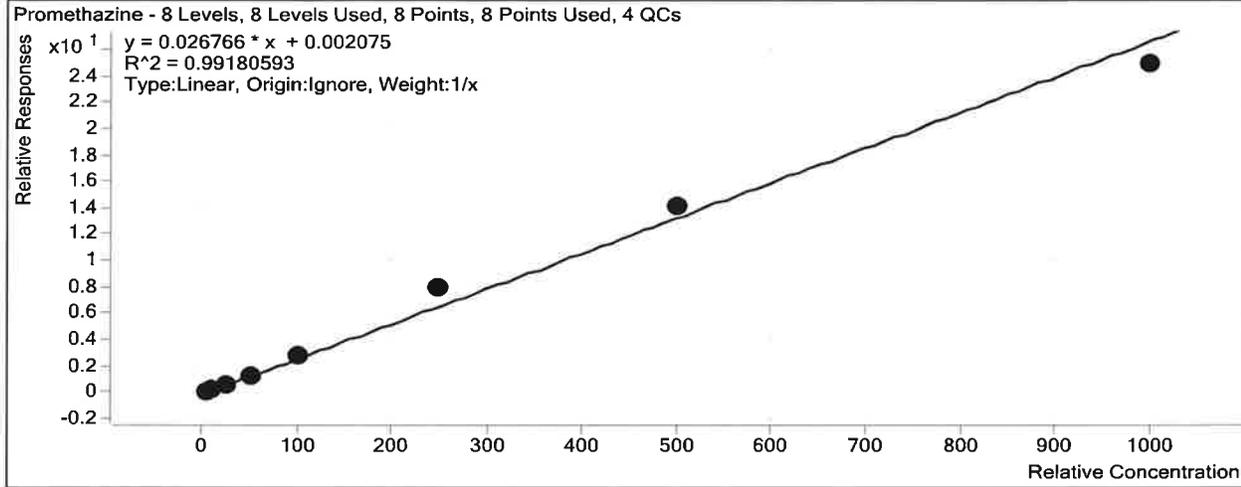
ISP Forensics Calibration Curve Report

TS
D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\070518 MDQ Panel 1 TS worklist
2546\QuantResults\070518 MDQ P1a TS.batch.bin

Last Calib Update 7/11/2018 8:06 AM **Analyst Name** **ISP TOX**

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



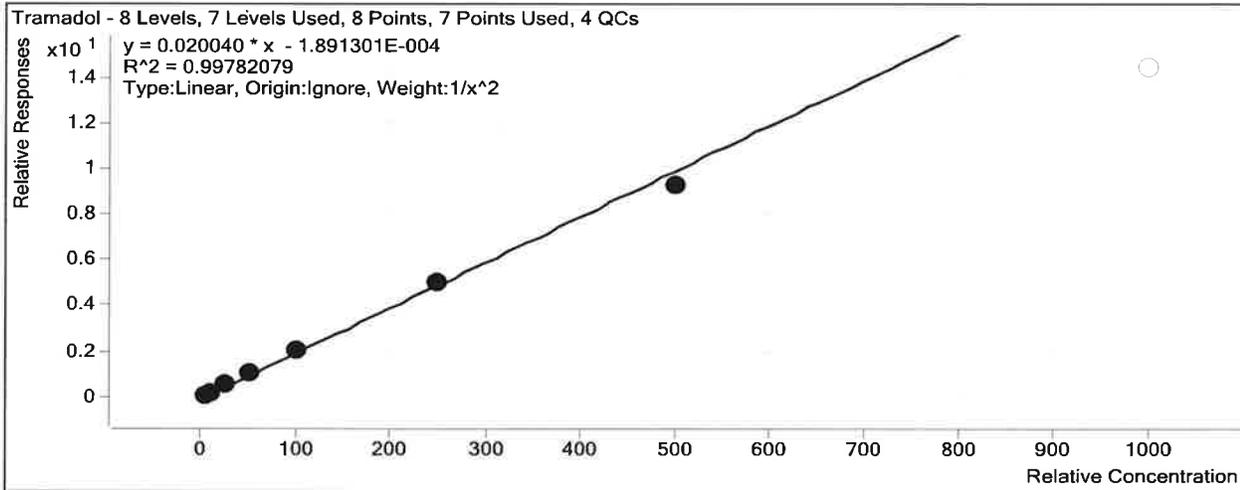
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.8	95.6
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.5	95.0
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.8	108.1
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.8	95.0
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.0	95.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.1	102.1
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	110.6	110.6
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	294.9	118.0
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	271.8	108.7
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	527.0	105.4
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	930.1	93.0
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1134.8	113.5

ISP Forensics Calibration Curve Report

B
P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\070518 MDQ Panel 1 TS worklist
2546\QuantResults\070518 MDQ P1a TS.batch.bin
Last Calib Update 7/11/2018 8:06 AM **Analyst Name** ISP TOX

Target Compound Tramadol
Internal Standard Tramadol-13C-D3



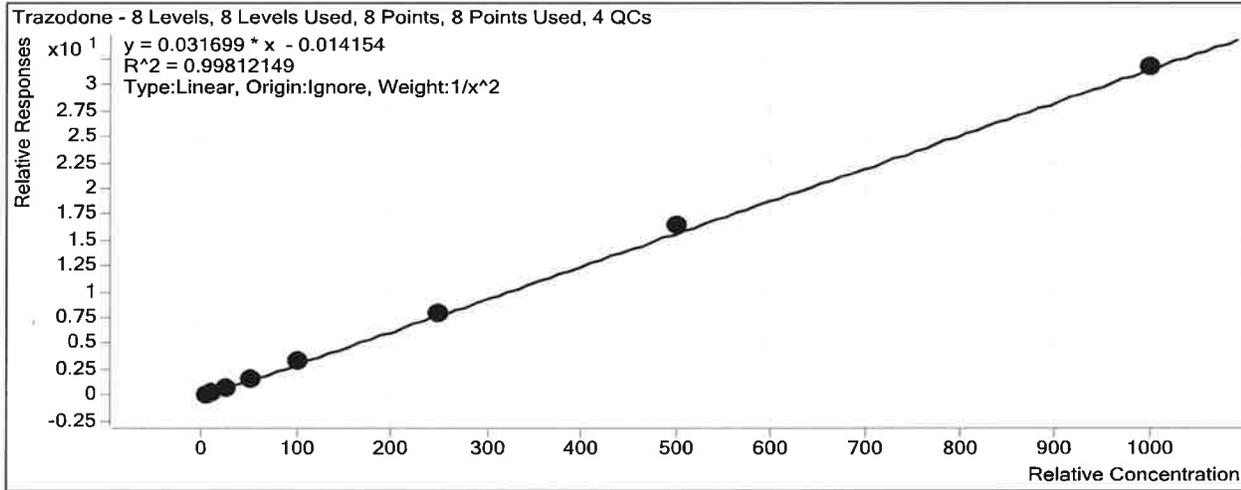
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.6
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	97.1
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.2	101.6
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.5	101.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.4	102.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	104.8	104.8
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	101.5	101.5
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	249.8	99.9
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	255.5	102.2
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	464.5	92.9
a cal 8-1000ng	8	<input type="checkbox"/>	1000	722.0	72.2
a QC 1000 (QC 4)	8	<input type="checkbox"/>	1000	705.6	70.6

ISP Forensics Calibration Curve Report

13
B

Batch Data Path C:\MassHunter\Data\2018\MD Quant\070518 MDQ Panel 1 TS worklist
2546\QuantResults\070518 MDQ P1a TS.batch.bin
Last Calib Update 7/11/2018 8:06 AM **Analyst Name** ISP TOX

Target Compound Trazodone
Internal Standard Trazodone-D6



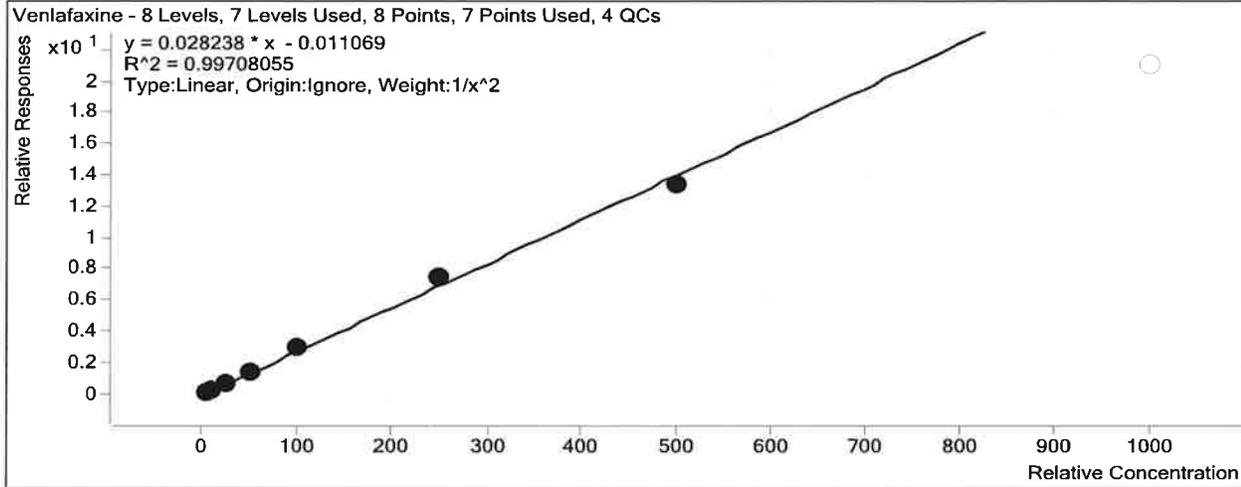
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	103.5
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.5	95.2
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.9	109.2
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.7	94.7
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.8	97.6
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.5	103.5
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	102.8	102.8
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	253.2	101.3
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	271.1	108.4
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	520.4	104.1
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1002.1	100.2
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1004.9	100.5

ISP Forensics Calibration Curve Report

TS
D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\070518 MDQ Panel 1 TS worklist
2546\QuantResults\070518 MDQ P1a TS.batch.bin
Last Calib Update 7/11/2018 8:06 AM **Analyst Name** ISP TOX

Target Compound Venlafaxine
Internal Standard Venlafaxine-D6



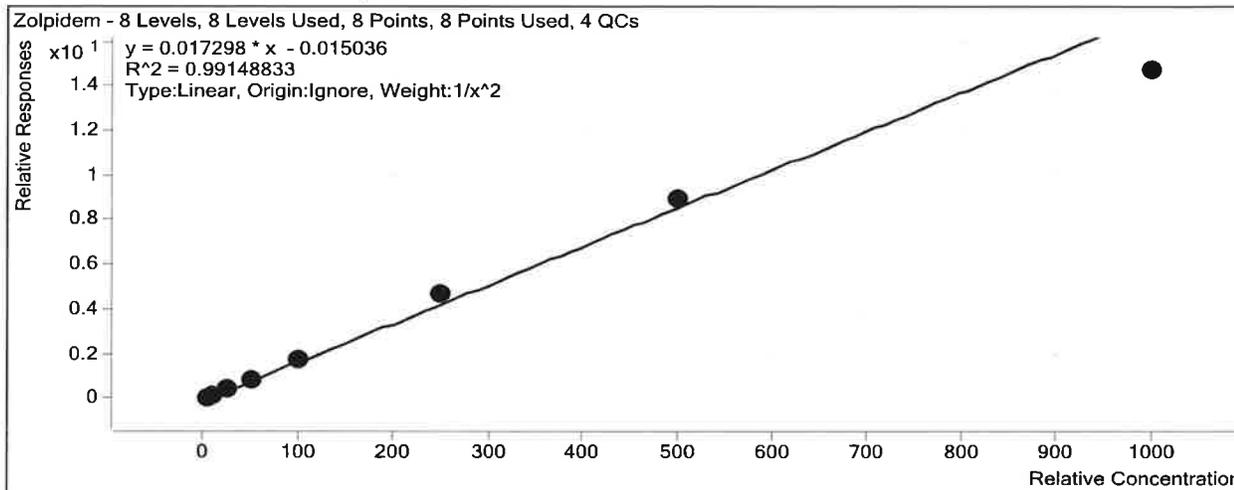
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	103.1
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.5	94.5
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.1	100.6
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.1	96.4
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.6	101.2
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.3	103.3
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	97.5	97.5
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	265.5	106.2
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	263.9	105.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	476.4	95.3
a cal 8-1000ng	8	<input type="checkbox"/>	1000	745.7	74.6
a QC 1000 (QC 4)	8	<input type="checkbox"/>	1000	752.8	75.3

ISP Forensics Calibration Curve Report

BP

Batch Data Path C:\MassHunter\Data\2018\MD Quant\070518 MDQ Panel 1 TS worklist
2546\QuantResults\070518 MDQ P1a TS.batch.bin
Last Calib Update 7/11/2018 8:06 AM **Analyst Name** ISP TOX

Target Compound Zolpidem
Internal Standard Zolpidem-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	103.9
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.1	90.9
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.3	103.1
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.8	99.2
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.4	104.7
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.0	103.0
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	109.7	109.7
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	272.7	109.1
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	291.2	116.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	520.3	104.1
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	850.4	85.0
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	830.5	83.0

AS
P

ISP FORENSICS - Pocatello Instrument # 59740

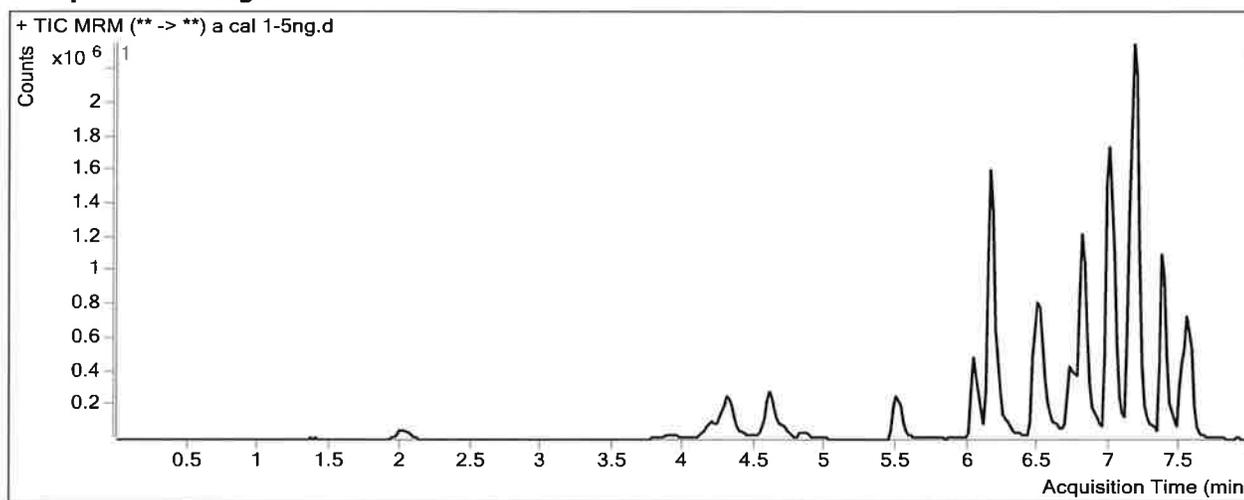
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\070518 MDQ Panel 1 TS worklist 2546\QuantResults\070518 MDQ P1a T
Analysis Time 7/11/2018 8:07 AM **Analyst Name** ISPUser
Report Time 7/11/2018 8:12 AM **Reporter Name** ISPUser
Last Calib Update 7/11/2018 8:06 AM **Batch State** Processed

Analysis Info

Acq Time 2018-07-05 14:03 **Data File** a cal 1-5ng.d
Sample Type Calibration **Sample Name** a cal 1-5ng
Dilution 1 **Acq Method** MD Quant Panel 1a 6-14-18.m
Position P1-H12 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist 2546

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.368	9352	32976	0.2836	6.2838
Hydromorphone	Hydromorphone-D6	2.029	35721	294033	0.1215	5.3503
Codeine	Codeine-D6	3.972	14479	124339	0.1164	9.1380
Amphetamine	Amphetamine-D11	4.324	287024	520193	0.5518	5.3963
Oxycodone	Oxycodone-D6	4.350	112711	1046988	0.1077	5.3792
Hydrocodone	Hydrocodone-D6	4.635	48927	612551	0.0799	5.1977
Norhydrocodone	Norhydrocodone-D3	4.679	3469	157127	0.0221	11.0504
Methamphetamine	Methamphetamine-D11	4.702	163884	718201	0.2282	5.2305
6-MAM	6-MAM-D6	4.849	1441	130861	0.0110	0.6053
Phentermine	Phentermine-D5	5.546	58715	1053660	0.0557	5.1361
Dextroprphan	Dextroprphan-D3	6.043	91105	1538929	0.0592	5.1985
7-aminoclonazepam	7-Aminoclonazepam-D4	6.153	72230	620091	0.1165	4.4128
Tramadol	Tramadol-13C-D3	6.180	541116	5376358	0.1006	5.0317
Metoprolol	Tramadol-13C-D3	6.281	44689	5376358	0.0083	4.8861
Doxylamine	Doxylamine-D5	6.502	320661	3686986	0.0870	5.1131
Bupropion	Bupropion-D9	6.751	198281	1302324	0.1523	5.1951
Zolpidem	Zolpidem-D6	6.821	332948	4448050	0.0749	5.1964
Meprobamate	Meprobamate-D7	6.853	38293	219793	0.1742	5.2950
Venlafaxine	Venlafaxine-D6	7.006	519895	3865468	0.1345	5.1551
Trazodone	Trazodone-D6	7.036	256429	1711230	0.1499	5.1737

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

TS
a cal 1-5ng
D

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.138	242781	2247015	0.1080	5.2613
Dextromethorphan	Dextromethorphan-D3	7.170	103930	809375	0.1284	5.6023
Diphenhydramine	Diphenhydramine-D3	7.194	573331	5461871	0.1050	5.0067
Promethazine	Promethazine-D3	7.369	428580	3296992	0.1300	4.7791
Clonazepam	Clonazepam-D4	7.425	42307	75883	0.5575	5.2538
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.501	13657	106155	0.1286	6.4730
Carisoprodol	Carisoprodol-D7	7.514	99034	964288	0.1027	5.2028
Lorazepam	Clonazepam-D4	7.523	13560	75883	0.1787	5.3015
Alprazolam	Alprazolam-D5	7.547	251723	1612401	0.1561	5.8626

B
D

ISP FORENSICS - Pocatello Instrument # 59740

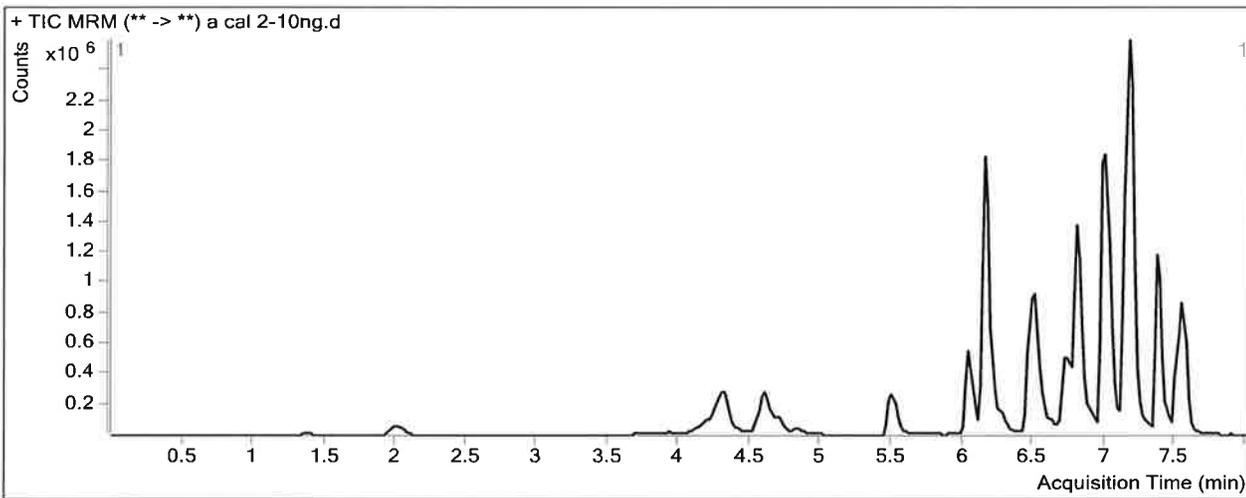
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\070518 MDQ Panel 1 TS worklist 2546\QuantResults\070518 MDQ P1a T
Analysis Time 7/11/2018 8:07 AM **Analyst Name** ISPUser
Report Time 7/11/2018 8:12 AM **Reporter Name** ISPUser
Last Calib Update 7/11/2018 8:06 AM **Batch State** Processed

Analysis Info

Acq Time 2018-07-05 14:35 **Data File** a cal 2-10ng.d
Sample Type Calibration **Sample Name** a cal 2-10ng
Dilution 1 **Acq Method** MD Quant Panel 1a 6-14-18.m
Position P1-G12 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist 2546

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.368	17672	29304	0.6031	10.4006
Hydromorphone	Hydromorphone-D6	2.009	69522	291005	0.2389	9.1215
Codeine	Codeine-D6	3.972	26339	58400	0.4510	14.5892
Amphetamine	Amphetamine-D11	4.324	481796	569541	0.8459	9.5100
Oxycodone	Oxycodone-D6	4.330	228802	1030262	0.2221	9.3153
Hydrocodone	Hydrocodone-D6	4.615	99711	647508	0.1540	9.3111
Norhydrocodone	Norhydrocodone-D3	4.679	5603	169169	0.0331	13.9116
Methamphetamine	Methamphetamine-D11	4.702	316320	754861	0.4190	9.4541
6-MAM	6-MAM-D6	4.849	2758	129624	0.0213	0.9728
Phentermine	Phentermine-D5	5.546	120687	1138326	0.1060	9.3494
Dextroprphan	Dextroprphan-D3	6.043	182308	1549591	0.1176	9.3844
7-aminoclonazepam	7-Aminoclonazepam-D4	6.153	147322	610451	0.2413	9.2883
Tramadol	Tramadol-13C-D3	6.180	1082325	5568170	0.1944	9.7087
Metoprolol	Tramadol-13C-D3	6.281	92344	5568170	0.0166	9.6666
Doxylamine	Doxylamine-D5	6.502	644224	3804715	0.1693	9.4770
Bupropion	Bupropion-D9	6.751	402133	1405627	0.2861	9.2149
Zolpidem	Zolpidem-D6	6.821	673769	4737075	0.1422	9.0916
Meprobamate	Meprobamate-D7	6.853	65677	211408	0.3107	9.3793
Venlafaxine	Venlafaxine-D6	6.985	1026985	4014988	0.2558	9.4504
Trazodone	Trazodone-D6	7.036	494234	1719191	0.2875	9.5155

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

TS
P

a cal 2-10ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.138	457917	2219382	0.2063	9.3322
Dextromethorphan	Dextromethorphan-D3	7.170	192562	809980	0.2377	9.4299
Diphenhydramine	Diphenhydramine-D3	7.194	1039348	5233186	0.1986	9.6774
Promethazine	Promethazine-D3	7.369	805529	3142394	0.2563	9.4998
Clonazepam	Clonazepam-D4	7.405	76848	69815	1.1007	9.2408
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.481	24149	109372	0.2208	9.5816
Carisoprodol	Carisoprodol-D7	7.514	183655	946237	0.1941	9.0488
Lorazepam	Clonazepam-D4	7.543	27394	69815	0.3924	9.1205
Alprazolam	Alprazolam-D5	7.547	500833	1604971	0.3121	9.9693

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

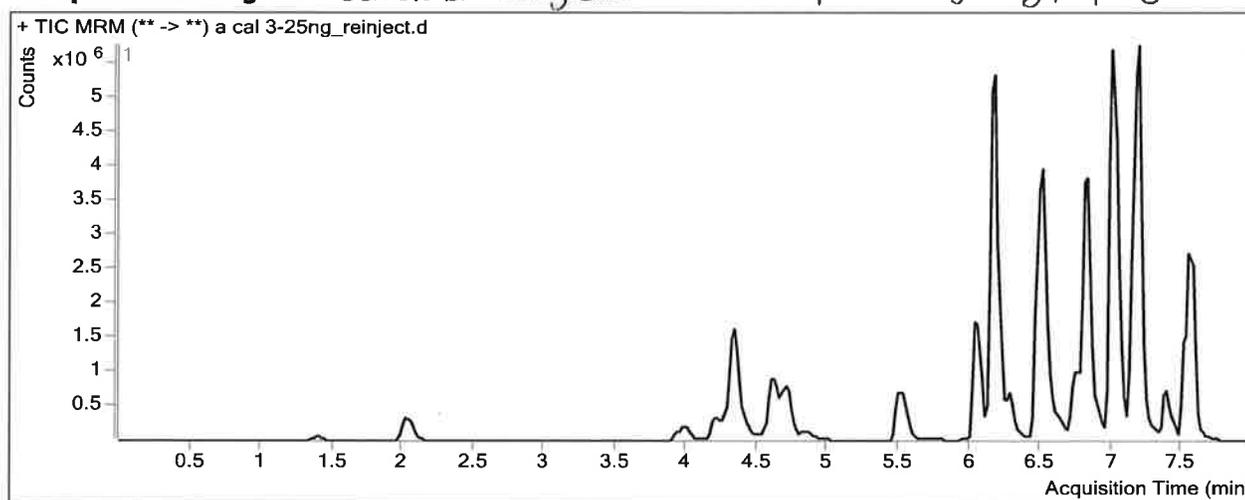
B P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\070518 MDQ Panel 1 TS worklist 2546\QuantResults\070518 MDQ P1a T
Analysis Time 7/11/2018 8:07 AM **Analyst Name** ISPUser
Report Time 7/11/2018 8:17 AM **Reporter Name** ISPUser
Last Calib Update 7/11/2018 8:06 AM **Batch State** Processed

Analysis Info

Acq Time 2018-07-06 16:23 **Data File** a cal 3-25ng_reinject.d
Sample Type Calibration **Sample Name** a cal 3-25ng
Dilution 1 **Acq Method** MD Quant Panel 1a 6-14-18.m
Position P1-F12 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist 2546

Sample Chromatogram *Calibrator reinjected due to sample not injecting properly the first time - TS



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.388	121823	86968	1.4008	20.6806
Hydromorphone	Hydromorphone-D6	2.049	515883	789780	0.6532	22.4278
Codeine	Codeine-D6	3.992	211254	356877	0.5920	16.8859
Amphetamine	Amphetamine-D11	4.344	3216794	1515237	2.1230	27.3681
Oxycodone	Oxycodone-D6	4.350	1793513	2792588	0.6422	23.7681
Hydrocodone	Hydrocodone-D6	4.635	681433	1593692	0.4276	24.4949
Norhydrocodone	Norhydrocodone-D3	4.679	36937	438834	0.0842	27.1384
Methamphetamine	Methamphetamine-D11	4.702	2485206	2454985	1.0123	22.5829
6-MAM	6-MAM-D6	4.849	20024	309489	0.0647	2.5265
Phentermine	Phentermine-D5	5.546	922821	3119194	0.2959	25.2517
Dextrophan	Dextrophan-D3	6.043	1228280	3802744	0.3230	24.0908
7-aminoclonazepam	7-Aminoclonazepam-D4	6.153	908434	1451831	0.6257	24.2991
Tramadol	Tramadol-13C-D3	6.180	6619151	12971993	0.5103	25.4713
Metoprolol	Tramadol-13C-D3	6.281	656830	12971993	0.0506	29.3445
Doxylamine	Doxylamine-D5	6.502	4489030	9726829	0.4615	24.9603
Bupropion	Bupropion-D9	6.751	1167235	1554447	0.7509	23.1757
Zolpidem	Zolpidem-D6	6.821	4319812	10434768	0.4140	24.8012
Meprobamate	Meprobamate-D7	6.853	419580	541171	0.7753	23.2878
Venlafaxine	Venlafaxine-D6	7.006	6362671	9500250	0.6697	24.1099
Trazodone	Trazodone-D6	7.036	1564342	2123951	0.7365	23.6812

TS
A

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report *a cal 3-25ng-reject*

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.138	1811270	3376159	0.5365	23.0079
Dextromethorphan	Dextromethorphan-D3	7.170	826674	1306126	0.6329	23.2653
Diphenhydramine	Diphenhydramine-D3	7.194	4586962	8936010	0.5133	25.3749
Promethazine	Promethazine-D3	7.389	810369	1270213	0.6380	23.7583
Clonazepam	Clonazepam-D4	7.425	331099	109293	3.0294	23.3968
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.501	158960	284463	0.5588	20.9843
Carisoprodol	Carisoprodol-D7	7.514	1012293	1654125	0.6120	26.6354
Lorazepam	Clonazepam-D4	7.543	140640	109293	1.2868	25.1066
Alprazolam	Alprazolam-D5	7.568	2957016	3627136	0.8152	23.2213

TS
P

ISP FORENSICS - Pocatello Instrument # 59740

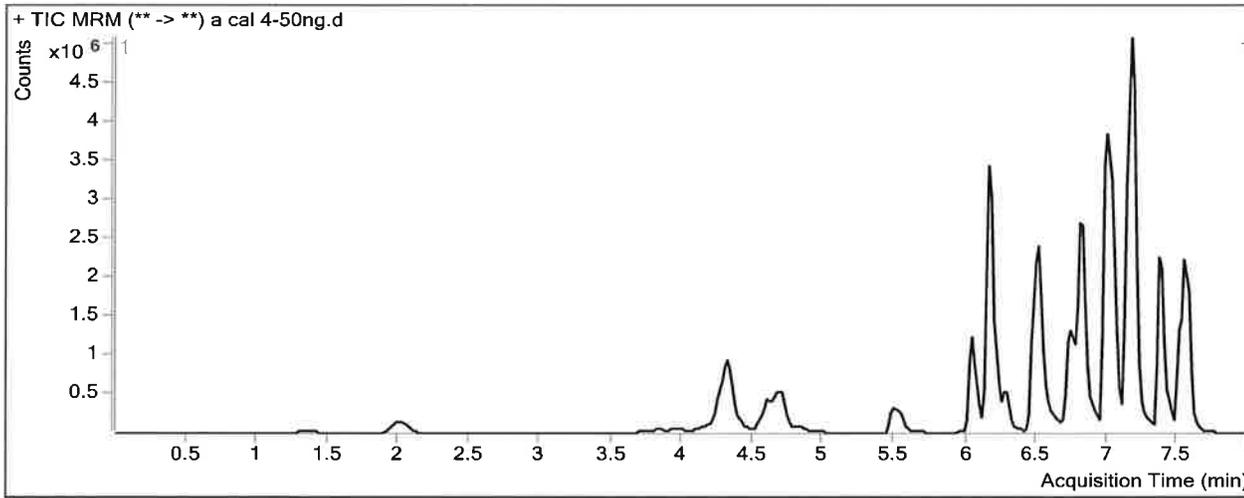
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\070518 MDQ Panel 1 TS worklist 2546\QuantResults\070518 MDQ P1a T
Analysis Time 7/11/2018 8:07 AM **Analyst Name** ISPUser
Report Time 7/11/2018 8:12 AM **Reporter Name** ISPUser
Last Calib Update 7/11/2018 8:06 AM **Batch State** Processed

Analysis Info

Acq Time 2018-07-05 15:38 **Data File** a cal 4-50ng.d
Sample Type Calibration **Sample Name** a cal 4-50ng
Dilution 1 **Acq Method** MD Quant Panel 1a 6-14-18.m
Position P1-E12 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist 2546

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.368	108073	33069	3.2681	44.7444
Hydromorphone	Hydromorphone-D6	2.009	445378	321721	1.3844	45.9114
Codeine	Codeine-D6	3.972	91342	59435	1.5368	32.2817
Amphetamine	Amphetamine-D11	4.324	2337566	613142	3.8124	50.9938
Oxycodone	Oxycodone-D6	4.330	1610731	1112248	1.4482	51.4908
Hydrocodone	Hydrocodone-D6	4.635	588693	687854	0.8558	48.2626
Norhydrocodone	Norhydrocodone-D3	4.659	25794	182528	0.1413	41.9430
Methamphetamine	Methamphetamine-D11	4.702	1845426	841091	2.1941	48.7354
6-MAM	6-MAM-D6	4.849	16242	141458	0.1148	4.3196
Phentermine	Phentermine-D5	5.546	698954	1174863	0.5949	50.3050
Dextrorphan	Dextrorphan-D3	6.043	1118993	1681263	0.6656	48.6244
7-aminoclonazepam	7-Aminoclonazepam-D4	6.153	872680	652430	1.3376	52.0986
Tramadol	Tramadol-13C-D3	6.180	6266666	6085524	1.0298	51.3941
Metoprolol	Tramadol-13C-D3	6.281	551244	6085524	0.0906	52.4310
Doxylamine	Doxylamine-D5	6.502	3706862	3975533	0.9324	49.9142
Bupropion	Bupropion-D9	6.751	1989219	1233091	1.6132	49.0749
Zolpidem	Zolpidem-D6	6.821	4338698	4870435	0.8908	52.3670
Meprobamate	Meprobamate-D7	6.853	346579	237905	1.4568	43.6868
Venlafaxine	Venlafaxine-D6	7.006	5987538	4224455	1.4174	50.5857
Trazodone	Trazodone-D6	7.036	2655198	1731736	1.5333	48.8152

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

TS
J

a cal 4-50ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.138	2433418	2151805	1.1309	47.6280
Dextromethorphan	Dextromethorphan-D3	7.170	1030207	754578	1.3653	48.9051
Diphenhydramine	Diphenhydramine-D3	7.194	5337560	5053429	1.0562	52.4555
Promethazine	Promethazine-D3	7.369	3785594	2943504	1.2861	47.9725
Clonazepam	Clonazepam-D4	7.425	474433	76146	6.2306	46.8921
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.501	146275	112429	1.3010	46.0233
Carisoprodol	Carisoprodol-D7	7.514	1092724	1006360	1.0858	46.5763
Lorazepam	Clonazepam-D4	7.543	165182	76146	2.1693	40.8788
Alprazolam	Alprazolam-D5	7.547	2869567	1682156	1.7059	46.6768

TS
D

ISP FORENSICS - Pocatello Instrument # 59740

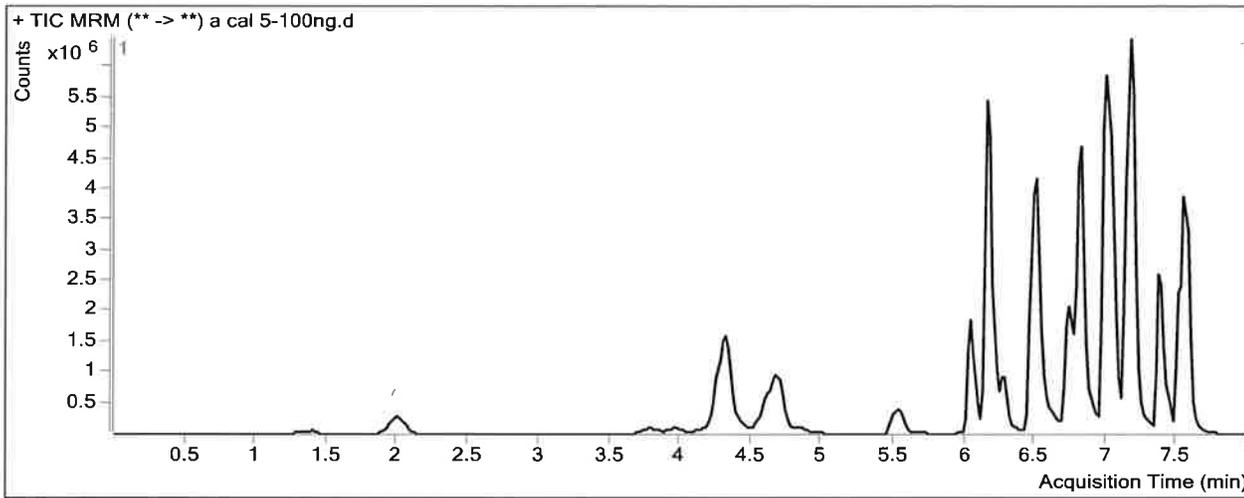
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\070518 MDQ Panel 1 TS worklist 2546\QuantResults\070518 MDQ P1a T
Analysis Time 7/11/2018 8:07 AM **Analyst Name** ISPUser
Report Time 7/11/2018 8:12 AM **Reporter Name** ISPUser
Last Calib Update 7/11/2018 8:06 AM **Batch State** Processed

Analysis Info

Acq Time 2018-07-05 16:09 **Data File** a cal 5-100ng.d
Sample Type Calibration **Sample Name** a cal 5-100ng
Dilution 1 **Acq Method** MD Quant Panel 1a 6-14-18.m
Position P1-D12 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist 2546

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.368	233067	32537	7.1630	94.9374
Hydromorphone	Hydromorphone-D6	2.009	978159	314272	3.1125	101.4145
Codeine	Codeine-D6	3.972	173685	55560	3.1261	58.1763
Amphetamine	Amphetamine-D11	4.304	4286017	543320	7.8886	107.9949
Oxycodone	Oxycodone-D6	4.310	3233492	1128593	2.8651	100.2293
Hydrocodone	Hydrocodone-D6	4.615	1214914	662672	1.8334	102.5134
Norhydrocodone	Norhydrocodone-D3	4.659	56669	159194	0.3560	97.5586
Methamphetamine	Methamphetamine-D11	4.702	3534342	762600	4.6346	102.7433
6-MAM	6-MAM-D6	4.849	37726	139988	0.2695	9.8539
Phentermine	Phentermine-D5	5.546	1317771	1055878	1.2480	105.0164
Dextrorphan	Dextrorphan-D3	6.043	2130403	1528581	1.3937	100.7717
7-aminoclonazepam	7-Aminoclonazepam-D4	6.153	1846564	656987	2.8107	109.6243
Tramadol	Tramadol-13C-D3	6.180	12817829	6103831	2.1000	104.7962
Metoprolol	Tramadol-13C-D3	6.281	1084586	6103831	0.1777	102.7706
Doxylamine	Doxylamine-D5	6.502	7392119	3732704	1.9804	105.4459
Bupropion	Bupropion-D9	6.751	3886087	1014602	3.8302	115.6617
Zolpidem	Zolpidem-D6	6.821	9185811	5197146	1.7675	103.0452
Meprobamate	Meprobamate-D7	6.853	775415	248137	3.1249	93.6198
Venlafaxine	Venlafaxine-D6	7.006	11310061	3892418	2.9057	103.2925
Trazodone	Trazodone-D6	7.036	4496257	1377028	3.2652	103.4513

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

BP
a cal 5-100ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.138	3828702	1603500	2.3877	99.6880
Dextromethorphan	Dextromethorphan-D3	7.170	1563026	540568	2.8915	102.3368
Diphenhydramine	Diphenhydramine-D3	7.194	8747294	3811246	2.2951	114.2520
Promethazine	Promethazine-D3	7.369	5368935	1963359	2.7346	102.0899
Clonazepam	Clonazepam-D4	7.425	1016873	68996	14.7382	109.3351
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.501	327079	112768	2.9005	99.9793
Carisoprodol	Carisoprodol-D7	7.514	2315153	982528	2.3563	100.0443
Lorazepam	Clonazepam-D4	7.543	369667	68996	5.3578	97.8671
Alprazolam	Alprazolam-D5	7.568	5899113	1661626	3.5502	95.2481

B
P

ISP FORENSICS - Pocatello Instrument # 59740

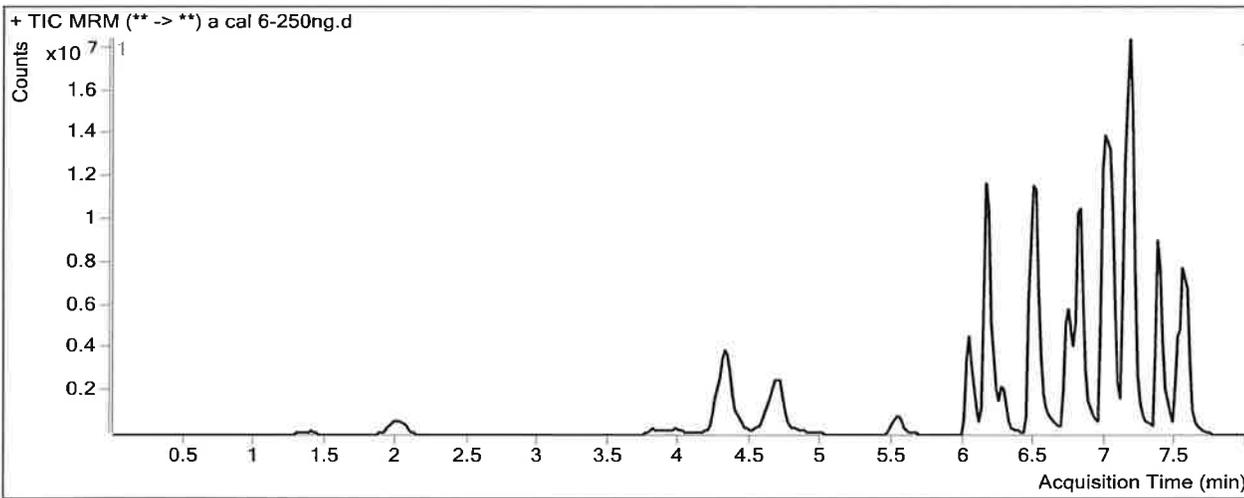
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\070518 MDQ Panel 1 TS worklist 2546\QuantResults\070518 MDQ P1a T
Analysis Time 7/11/2018 8:07 AM **Analyst Name** ISPUser
Report Time 7/11/2018 8:12 AM **Reporter Name** ISPUser
Last Calib Update 7/11/2018 8:06 AM **Batch State** Processed

Analysis Info

Acq Time 2018-07-05 16:41 **Data File** a cal 6-250ng.d
Sample Type Calibration **Sample Name** a cal 6-250ng
Dilution 1 **Acq Method** MD Quant Panel 1a 6-14-18.m
Position P1-C12 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist 2546

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.368	609068	31719	19.2020	250.0801
Hydromorphone	Hydromorphone-D6	2.029	2595587	321656	8.0695	260.6238
Codeine	Codeine-D6	3.972	510516	56054	9.1075	155.6378
Amphetamine	Amphetamine-D11	4.324	10908942	584272	18.6710	258.7777
Oxycodone	Oxycodone-D6	4.330	8819608	1212601	7.2733	251.8645
Hydrocodone	Hydrocodone-D6	4.615	3202968	686829	4.6634	259.5772
Norhydrocodone	Norhydrocodone-D3	4.659	145876	157480	0.9263	245.3257
Methamphetamine	Methamphetamine-D11	4.702	9792360	815854	12.0026	265.7955
6-MAM	6-MAM-D6	4.849	94315	148880	0.6335	22.8778
Phentermine	Phentermine-D5	5.546	3605345	1170674	3.0797	258.4575
Dextrorphan	Dextrorphan-D3	6.043	6078578	1731462	3.5107	252.3800
7-aminoclonazepam	7-Aminoclonazepam-D4	6.153	4456175	641230	6.9494	271.2493
Tramadol	Tramadol-13C-D3	6.180	33068847	6606661	5.0054	249.7745
Metoprolol	Tramadol-13C-D3	6.281	2774621	6606661	0.4200	242.7886
Doxylamine	Doxylamine-D5	6.502	21797701	4317357	5.0489	268.0481
Bupropion	Bupropion-D9	6.751	10430293	1362689	7.6542	230.5175
Zolpidem	Zolpidem-D6	6.821	24427912	5195540	4.7017	272.6708
Meprobamate	Meprobamate-D7	6.853	1914828	231416	8.2744	247.7600
Venlafaxine	Venlafaxine-D6	6.985	31553569	4214614	7.4867	265.5243
Trazodone	Trazodone-D6	7.036	14500152	1809862	8.0117	253.1878

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

TS JS

a cal 6-250ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.138	12697494	1991399	6.3762	264.8943
Dextromethorphan	Dextromethorphan-D3	7.170	5308705	744667	7.1290	250.6926
Diphenhydramine	Diphenhydramine-D3	7.194	27795591	5217617	5.3273	265.4951
Promethazine	Promethazine-D3	7.369	22323349	2827596	7.8948	294.8845
Clonazepam	Clonazepam-D4	7.425	2386899	65920	36.2090	266.9234
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.501	762852	109477	6.9682	237.2009
Carisoprodol	Carisoprodol-D7	7.514	5002681	825785	6.0581	255.8298
Lorazepam	Clonazepam-D4	7.543	943294	65920	14.3097	257.8619
Alprazolam	Alprazolam-D5	7.568	13302389	1417175	9.3866	248.9521

B
P

ISP FORENSICS - Pocatello Instrument # 59740

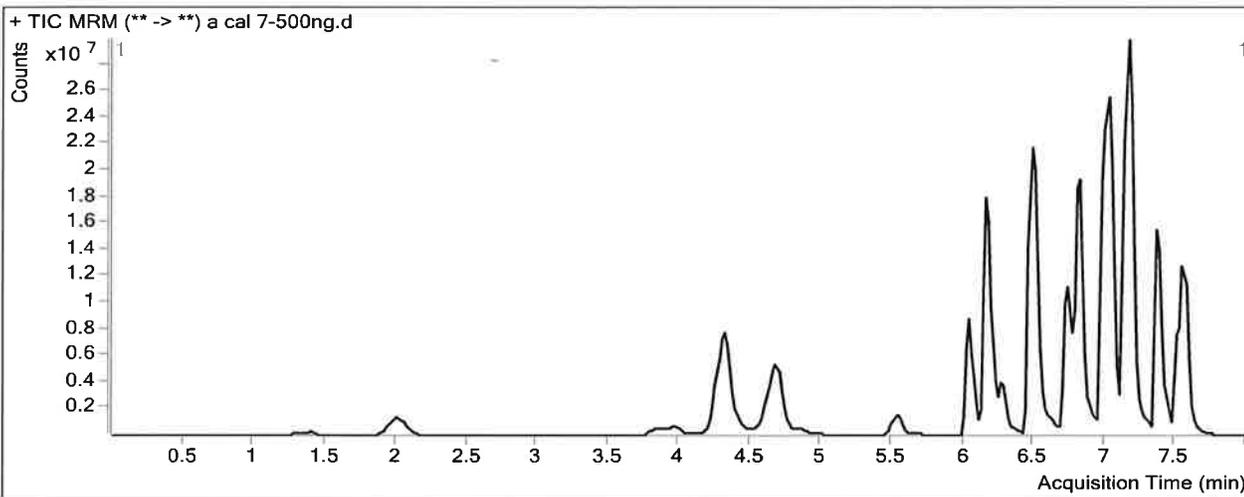
Multi-Drug Confirmatory Analysis Report

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Analysis Time 7/11/2018 8:07 AM **Analyst Name** ISPUser
Report Time 7/11/2018 8:13 AM **Reporter Name** ISPUser
Last Calib Update 7/11/2018 8:06 AM **Batch State** Processed

Analysis Info

Acq Time 2018-07-05 17:12 **Data File** a cal 7-500ng.d
Sample Type Calibration **Sample Name** a cal 7-500ng
Dilution 1 **Acq Method** MD Quant Panel 1a 6-14-18.m
Position P1-B12 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist 2546

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.368	1355604	33863	40.0320	518.5119
Hydromorphone	Hydromorphone-D6	2.009	5462758	329400	16.5840	534.0932
Codeine	Codeine-D6	3.972	1934291	59742	32.3776	534.7977
Amphetamine	Amphetamine-D11	4.304	20245798	590507	34.2855	477.1318
Oxycodone	Oxycodone-D6	4.310	18982217	1298865	14.6145	504.3874
Hydrocodone	Hydrocodone-D6	4.615	6462708	677441	9.5399	530.2145
Norhydrocodone	Norhydrocodone-D3	4.659	265485	138828	1.9123	500.7850
Methamphetamine	Methamphetamine-D11	4.682	20313463	859074	23.6458	523.4566
6-MAM	6-MAM-D6	4.849	213596	149570	1.4281	51.3071
Phentermine	Phentermine-D5	5.546	6886569	1198695	5.7451	481.7344
Dextroprphan	Dextroprphan-D3	6.043	12193474	1687986	7.2237	518.2936
7-aminoclonazepam	7-Aminoclonazepam-D4	6.153	8401130	625449	13.4322	524.4100
Tramadol	Tramadol-13C-D3	6.180	56600430	6080487	9.3085	464.4991
Metoprolol	Tramadol-13C-D3	6.281	5094412	6080487	0.8378	484.2714
Doxylamine	Doxylamine-D5	6.483	44625331	4440812	10.0489	533.0062
Bupropion	Bupropion-D9	6.751	22770170	1256060	18.1282	545.1074
Zolpidem	Zolpidem-D6	6.821	47768325	5316286	8.9853	520.3004
Meprobamate	Meprobamate-D7	6.853	3875213	216120	17.9308	536.8083
Venlafaxine	Venlafaxine-D6	6.985	55399854	4121549	13.4415	476.4064
Trazodone	Trazodone-D6	7.036	28953824	1756634	16.4826	520.4112

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

B P

a cal 7-500ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.138	23154375	1796857	12.8860	534.5410
Dextromethorphan	Dextromethorphan-D3	7.170	10310052	720708	14.3054	501.9422
Diphenhydramine	Diphenhydramine-D3	7.194	47197279	5005478	9.4291	470.0969
Promethazine	Promethazine-D3	7.369	42207723	2992120	14.1063	526.9544
Clonazepam	Clonazepam-D4	7.425	4420688	61665	71.6882	527.3280
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.481	1475366	96286	15.3228	519.0411
Carisoprodol	Carisoprodol-D7	7.514	8198788	677716	12.0977	510.0000
Lorazepam	Clonazepam-D4	7.543	1899637	61665	30.8055	552.6890
Alprazolam	Alprazolam-D5	7.568	23612762	1224007	19.2914	509.8016

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

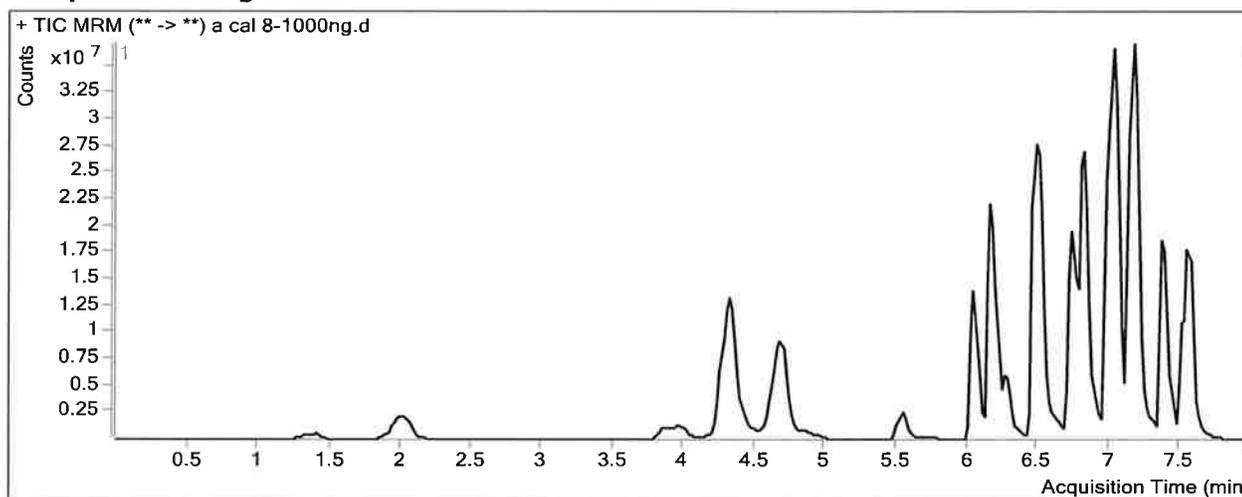
TS
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Batch Data Path C:\MassHunter\Data\2018\MD Quant\070518 MDQ Panel 1 TS worklist 2546\QuantResults\070518 MDQ P1a T
Analysis Time 7/11/2018 8:07 AM **Analyst Name** ISPUser
Report Time 7/11/2018 8:13 AM **Reporter Name** ISPUser
Last Calib Update 7/11/2018 8:06 AM **Batch State** Processed

Analysis Info

Acq Time 2018-07-05 17:44 **Data File** a cal 8-1000ng.d
Sample Type Calibration **Sample Name** a cal 8-1000ng
Dilution 1 **Acq Method** MD Quant Panel 1a 6-14-18.m
Position P1-A12 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist 2546

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.368	2490174	32358	76.9575	994.3613
Hydromorphone	Hydromorphone-D6	2.009	9960926	297278	33.5071	1077.6314
Codeine	Codeine-D6	3.972	3551276	52071	68.2005	1118.4934
Amphetamine	Amphetamine-D11	4.304	34648193	558596	62.0273	865.0767
Oxycodone	Oxycodone-D6	4.330	36391942	1262054	28.8355	993.5654
Hydrocodone	Hydrocodone-D6	4.615	11396455	659065	17.2919	960.4374
Norhydrocodone	Norhydrocodone-D3	4.659	451740	105268	4.2913	1117.1451
Methamphetamine	Methamphetamine-D11	4.682	37086660	826701	44.8610	992.9457
6-MAM	6-MAM-D6	4.849	392666	138657	2.8319	101.5370
Phentermine	Phentermine-D5	5.546	12034019	1035278	11.6240	974.2130
Dextropropranolol	Dextropropranolol-D3	6.043	20892620	1451333	14.3955	1031.9114
7-aminoclonazepam	7-Aminoclonazepam-D4	6.153	12462121	515123	24.1925	944.6176
Tramadol	Tramadol-13C-D3	6.180	76218208	5267564	14.4693	722.0201
Metoprolol	Tramadol-13C-D3	6.281	7895547	5267564	1.4989	866.3091
Doxylamine	Doxylamine-D5	6.483	67592570	4264913	15.8485	840.3332
Bupropion	Bupropion-D9	6.751	35401555	1105948	32.0101	962.0528
Zolpidem	Zolpidem-D6	6.821	71533631	4867548	14.6960	850.4336
Meprobamate	Meprobamate-D7	6.853	6868587	171779	39.9849	1196.9586
Venlafaxine	Venlafaxine-D6	7.006	75637292	3594069	21.0450	745.6754
Trazodone	Trazodone-D6	7.036	44380335	1397770	31.7508	1002.0690

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

TS JS

a cal 8-1000ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.138	32227214	1314754	24.5120	1016.1011
Dextromethorphan	Dextromethorphan-D3	7.170	15051110	528676	28.4694	997.8259
Diphenhydramine	Diphenhydramine-D3	7.194	61193747	3711747	16.4865	822.1201
Promethazine	Promethazine-D3	7.369	54185787	2176515	24.8957	930.0614
Clonazepam	Clonazepam-D4	7.425	7126813	55969	127.3346	935.7529
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.501	2527783	85395	29.6012	1000.7164
Carisoprodol	Carisoprodol-D7	7.514	12226162	507940	24.0701	1013.8482
Lorazepam	Clonazepam-D4	7.543	3407748	55969	60.8862	1090.3148
Alprazolam	Alprazolam-D5	7.568	34516432	910363	37.9150	1000.2682

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

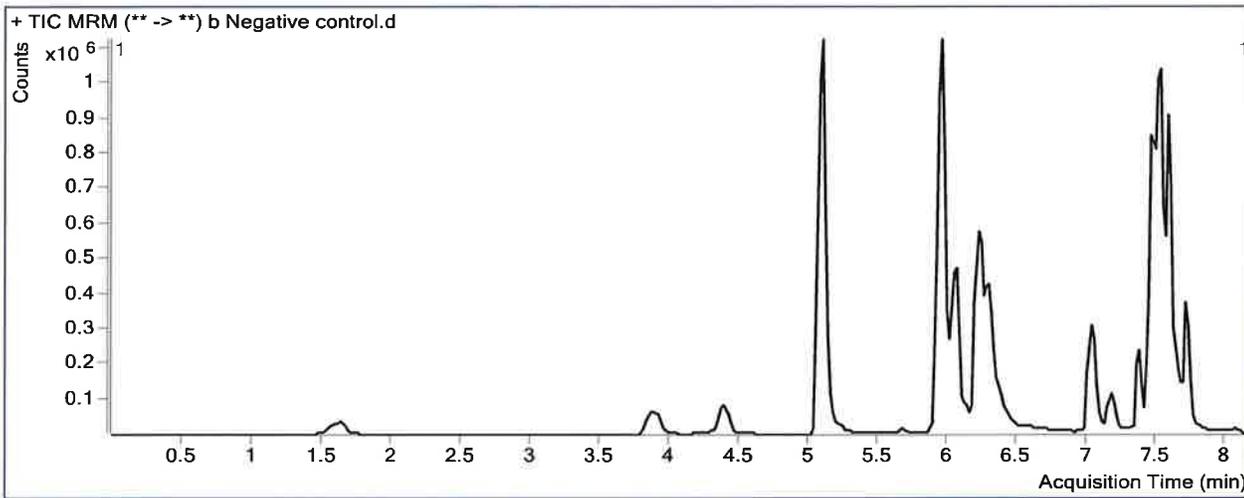
B
D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\070518 MDQ Panel 1 TS worklist 2546\QuantResults\070518 MDQ P1b T
Analysis Time 7/10/2018 11:35 AM **Analyst Name** ISPUser
Report Time 7/11/2018 8:26 AM **Reporter Name** ISPUser
Last Calib Update 7/10/2018 11:35 AM **Batch State** Processed

Analysis Info

Acq Time 2018-07-05 19:02 **Data File** b Negative control.d
Sample Type Sample **Sample Name** b Negative control
Dilution 1 **Acq Method** MD Quant Panel 1b 6-14-18.m
Position P1-D11 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist 2546

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Norbuprenorphine	Norbuprenorphine-D3	6.953	120	25978	0.0046	0.5269 <2.5 TS
Cyclobenzaprine	Cyclobenzaprine-D3	7.432	13727	639312	0.0215	1.6814 <5 TS
Fluoxetine	Fluoxetine-D6	7.521	55859	2324192	0.0240	1.7252 <2.5 TS
Buprenorphine	Buprenorphine-D4	7.555	1353	370377	0.0037	0.2458 <2.5 TS
Temazepam	Temazepam-D5	7.605	8783	1581232	0.0056	2.2719 <5 TS

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

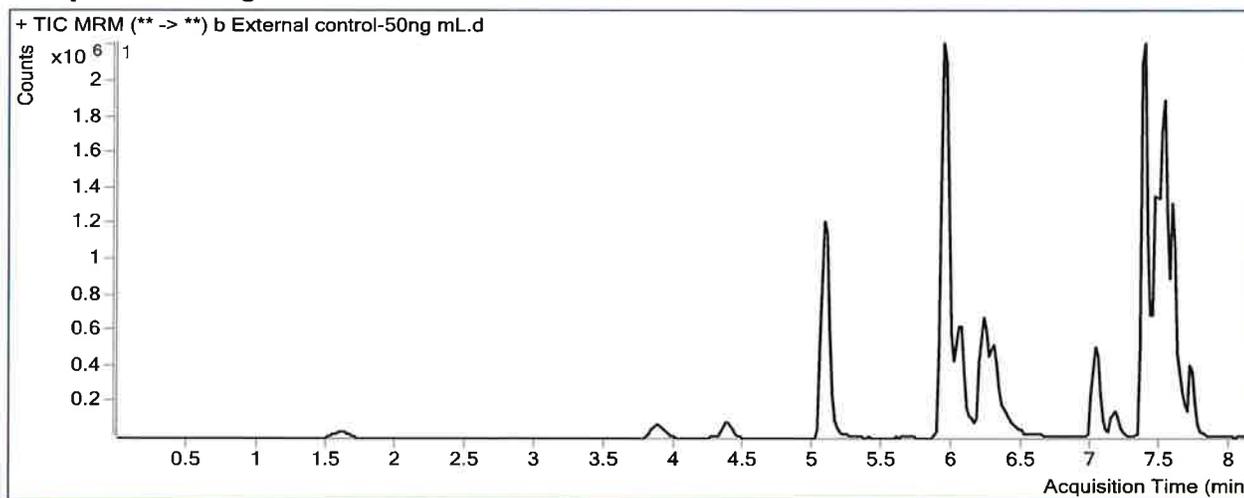
TS
P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\070518 MDQ Panel 1 TS worklist 2546\QuantResults\070518 MDQ P1b T
Analysis Time 7/10/2018 11:35 AM **Analyst Name** ISPUser
Report Time 7/11/2018 8:26 AM **Reporter Name** ISPUser
Last Calib Update 7/10/2018 11:35 AM **Batch State** Processed

Analysis Info

Acq Time 2018-07-05 19:34 **Data File** b External control-50ng mL.d
Sample Type Sample **Sample Name** b External control-50ng mL
Dilution 1 **Acq Method** MD Quant Panel 1b 6-14-18.m
Position P1-C11 **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
<u>Ketamine</u>	Ketamine-D4	5.941	4185334	2721476	1.5379	<u>63.1404</u>
Fentanyl	Fentanyl-D5	7.017	4188	1957249	0.0021	0.2653 < 0.5 TS
<u>Quetiapine</u>	Quetiapine-D8	7.378	4892079	1039593	4.7058	<u>48.7861</u>
Cyclobenzaprine	Cyclobenzaprine-D3	7.452	21831	1144617	0.0191	1.5880 < 5 TS
Methadone	Methadone-D9	7.481	95565	3848056	0.0248	1.5949 < 5 TS
Fluoxetine	Fluoxetine-D6	7.521	76777	4478823	0.0171	1.4245 < 2.5 TS
Buprenorphine	Buprenorphine-D4	7.555	1431	603994	0.0024	0.2115 < 2.5 TS
Sertraline	Sertraline-D3	7.583	24812	1978002	0.0125	2.1303 < 5 TS

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

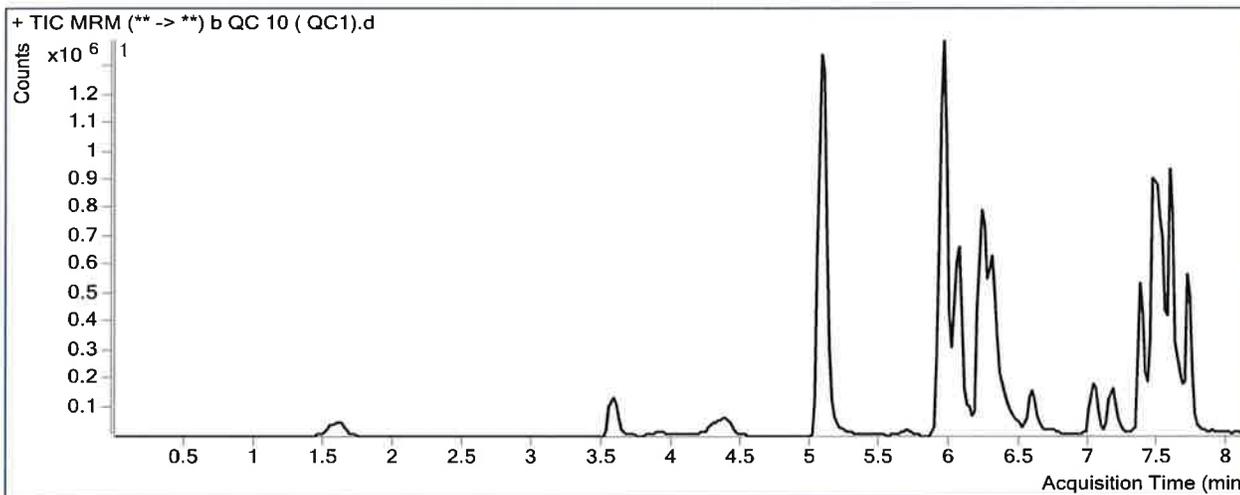
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Batch Data Path C:\MassHunter\Data\2018\MD Quant\070518 MDQ Panel 1 TS worklist 2546\QuantResults\070518 MDQ P1b T
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Report Time 7/11/2018 8:26 AM **Reporter Name** ISPUser
Last Calib Update 7/10/2018 11:35 AM **Batch State** Processed

Analysis Info

Acq Time 2018-07-05 20:37 **Data File** b QC 10 (QC1).d
Sample Type QC **Sample Name** b QC 10 (QC1)
Dilution 1 **Acq Method** MD Quant Panel 1b 6-14-18.m
Position P1-H11 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist 2546

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.608	88312	351205	0.2515	9.7931
Dihydrocodeine	Dihydrocodeine-D6	3.950	16698	71631	0.2331	12.1021 <i>Not evaluated TS</i>
Noroxycodone	Noroxycodone-D3	4.411	145405	492390	0.2953	10.4692
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.098	1113290	5309246	0.2097	9.9141
Benzoylcegonine	Benzoylcegonine-d8	5.711	10680	43814	0.2438	67.2100 <i>outside curve TS range.</i>
Ketamine	Ketamine-D4	5.941	563946	2503058	0.2253	9.6431
Norfentanyl	Norfentanyl-D5	5.983	54195	3169559	0.0171	1.0212
Cocaine	Cocaine-d3	6.232	208755	2911587	0.0717	10.4162
alpha-PVP	alpha-PVP-d8	6.307	378592	2086333	0.1815	9.7193
Mirtazapine	alpha-PVP-d8	6.582	360605	2086333	0.1728	8.3989
Norbuprenorphine	Norbuprenorphine-D3	6.974	408	21840	0.0187	1.2425 <i>Not evaluated TS</i>
Fentanyl	Fentanyl-D5	7.037	15774	684988	0.0230	1.4367
Mitragynine	EDDP-D3	7.115	76900	440459	0.1746	5.0047
EDDP	EDDP-D3	7.168	75867	440459	0.1722	9.5607
Quetiapine	Quetiapine-D8	7.378	800341	768101	1.0420	10.1744
Cyclobenzaprine	Cyclobenzaprine-D3	7.452	98869	328433	0.3010	12.5651
Methadone	Methadone-D9	7.481	637040	1960864	0.3249	12.9455
Fluoxetine	Fluoxetine-D6	7.521	281390	975675	0.2884	13.2622
Oxazepam	Oxazepam-D5	7.547	24423	188723	0.1294	8.3343

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
Buprenorphine	Buprenorphine-D4	7.535	10365	265361	0.0391	1.1910 <i>outside curve TS range</i>
Sertraline	Sertraline-D3	7.583	103997	428346	0.2428	12.2899
Temazepam	Temazepam-D5	7.605	321160	1751963	0.1833	10.2670
Nordiazepam	Nordiazepam-D5	7.674	101270	275113	0.3681	10.1912
Diazepam	Diazepam-D5	7.710	253749	1034728	0.2452	10.3920

TS RS

ISP FORENSICS - Pocatello Instrument # 59740

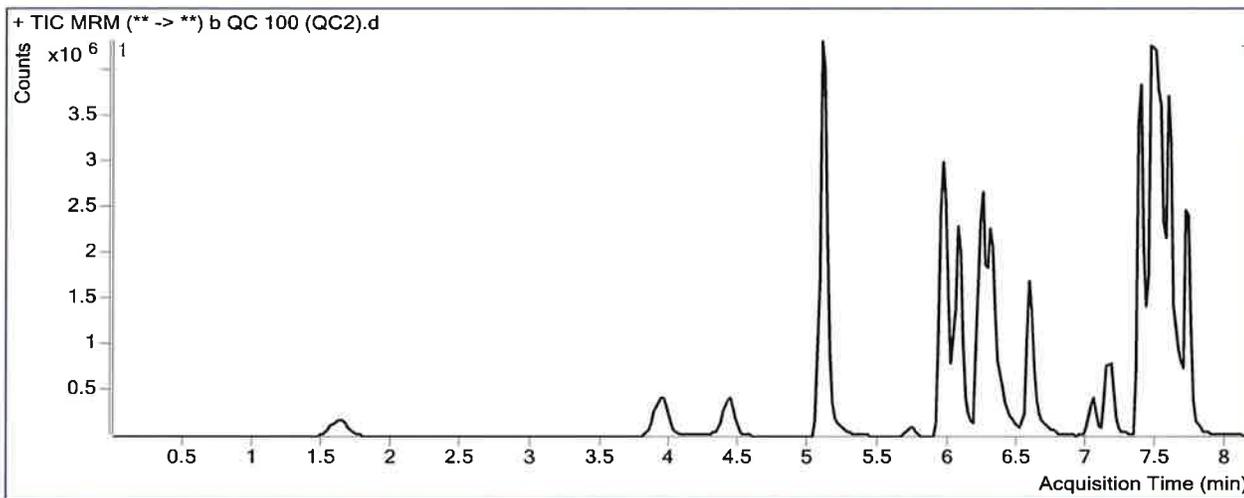
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\070518 MDQ Panel 1 TS worklist 2546\QuantResults\070518 MDQ P1b T
Analysis Time 7/10/2018 11:35 AM **Analyst Name** ISPUser
Report Time 7/11/2018 8:27 AM **Reporter Name** ISPUser
Last Calib Update 7/10/2018 11:35 AM **Batch State** Processed

Analysis Info

Acq Time 2018-07-05 23:14 **Data File** b QC 100 (QC2).d
Sample Type QC **Sample Name** b QC 100 (QC2)
Dilution 1 **Acq Method** MD Quant Panel 1b 6-14-18.m
Position P1-G11 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist 2546

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.628	1057355	357149	2.9605	91.9254
Dihydrocodeine	Dihydrocodeine-D6	3.950	1137675	528711	2.1518	99.7035 <i>Not evaluated. TS</i>
Noroxycodone	Noroxycodone-D3	4.431	1755271	526328	3.3349	97.0209
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.098	12428918	5464212	2.2746	103.1057
Benzoylcegonine	Benzoylcegonine-d8	5.711	154661	45398	3.4068	164.0005
Ketamine	Ketamine-D4	5.961	6913941	2659384	2.5998	106.4219
Norfentanyl	Norfentanyl-D5	6.003	675217	3340621	0.2021	9.1736
Cocaine	Cocaine-d3	6.232	2564167	2964264	0.8650	104.8317
alpha-PVP	alpha-PVP-d8	6.327	4207736	2124942	1.9802	98.9330
Mirtazapine	alpha-PVP-d8	6.582	4043239	2124942	1.9028	89.4889
Norbuprenorphine	Norbuprenorphine-D3	6.974	6759	26572	0.2544	13.2154 <i>Not evaluated. TS</i>
Fentanyl	Fentanyl-D5	7.037	203391	1139514	0.1785	10.1552
Mitragynine	EDDP-D3	7.135	1101855	464904	2.3701	77.0033
EDDP	EDDP-D3	7.168	970847	464904	2.0883	89.4811
Quetiapine	Quetiapine-D8	7.378	8679438	888668	9.7668	102.1229
Cyclobenzaprine	Cyclobenzaprine-D3	7.452	1815698	706251	2.5709	100.9335
Methadone	Methadone-D9	7.481	7379489	2633299	2.8024	106.6685
Fluoxetine	Fluoxetine-D6	7.521	5511855	2256522	2.4426	107.2706
Oxazepam	Oxazepam-D5	7.547	339016	187649	1.8066	99.5675

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

TS RS

b QC 100 (QC2)

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Buprenorphine	Buprenorphine-D4	7.555	136790	345043	0.3964	10.7316
Sertraline	Sertraline-D3	7.583	2167736	992707	2.1837	97.9318
Temazepam	Temazepam-D5	7.605	3476695	1738914	1.9993	91.9465
Nordiazepam	Nordiazepam-D5	7.674	1225264	291630	4.2014	97.2602
Diazepam	Diazepam-D5	7.730	2847146	1060427	2.6849	96.2828

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

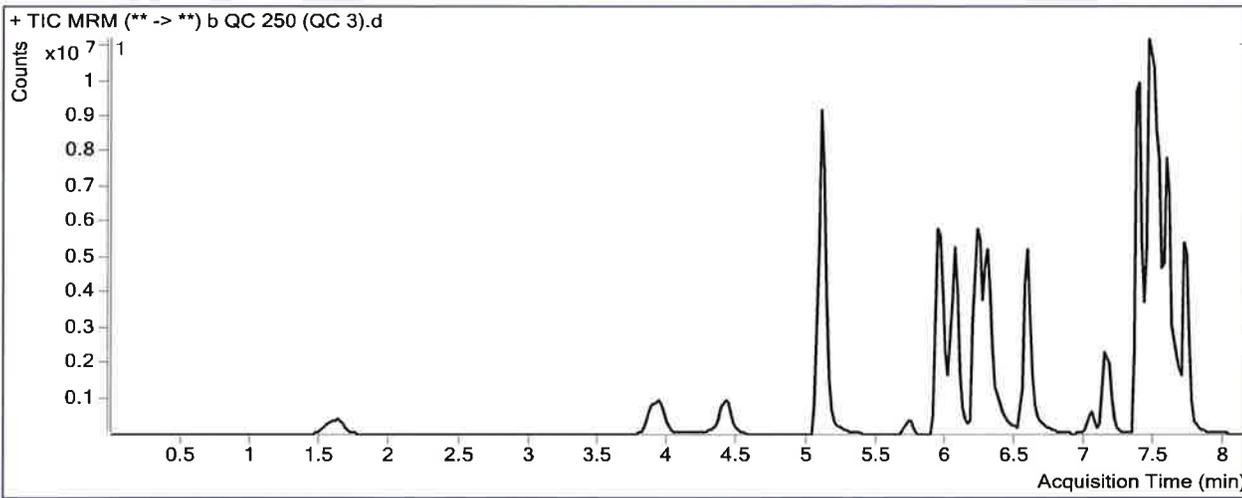
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Batch Data Path C:\MassHunter\Data\2018\MD Quant\070518 MDQ Panel 1 TS worklist 2546\QuantResults\070518 MDQ P1b T
Analysis Time 7/10/2018 11:35 AM **Analyst Name** ISPUser
Report Time 7/11/2018 8:27 AM **Reporter Name** ISPUser
Last Calib Update 7/10/2018 11:35 AM **Batch State** Processed

Analysis Info

Acq Time 2018-07-06 03:10 **Data File** b QC 250 (QC 3).d
Sample Type QC **Sample Name** b QC 250 (QC 3)
Dilution 1 **Acq Method** MD Quant Panel 1b 6-14-18.m
Position P1-F11 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist 2546

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.628	2871580	359779	7.9815	244.1484
Dihydrocodeine	Dihydrocodeine-D6	3.930	3006247	528985	5.6830	260.9308 <i>Not evaluated. IS</i>
Noroxycodone	Noroxycodone-D3	4.411	4411724	516559	8.5406	245.2489
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.098	32271620	5454039	5.9170	267.4912
Benzoylcegonine	Benzoylcegonine-d8	5.711	518829	42984	12.0703	429.1060
Ketamine	Ketamine-D4	5.941	17961417	2771295	6.4812	264.6168
Norfentanyl	Norfentanyl-D5	6.003	1783356	3193436	0.5584	24.8734
Cocaine	Cocaine-d3	6.212	6281369	2982555	2.1060	252.5265
alpha-PVP	alpha-PVP-d8	6.307	10735118	2191896	4.8976	243.6366
Mirtazapine	alpha-PVP-d8	6.582	12231753	2191896	5.5804	261.8816
Norbuprenorphine	Norbuprenorphine-D3	6.974	14296	29723	0.4810	24.7264 <i>Not evaluated. IS</i>
Fentanyl	Fentanyl-D5	7.037	598782	1306647	0.4583	25.8451
Mitragynine	EDDP-D3	7.135	3297454	472255	6.9824	228.2589
EDDP	EDDP-D3	7.168	2990632	472255	6.3327	266.5212
Quetiapine	Quetiapine-D8	7.378	24302863	959141	25.3381	266.2251
Cyclobenzaprine	Cyclobenzaprine-D3	7.452	5244642	769617	6.8146	266.1461
Methadone	Methadone-D9	7.481	21175421	2880970	7.3501	278.7079
Fluoxetine	Fluoxetine-D6	7.521	14590809	2292837	6.3636	278.3799
Oxazepam	Oxazepam-D5	7.547	949843	182732	5.1980	284.0404

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report b QC 250 (QC3)

TS
P

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Buprenorphine	Buprenorphine-D4	7.555	340235	340461	0.9993	26.8262
Sertraline	Sertraline-D3	7.583	5521970	984492	5.6090	249.0744
Temazepam	Temazepam-D5	7.605	8576496	1557777	5.5056	249.6466
Nordiazepam	Nordiazepam-D5	7.674	2865236	253471	11.3040	258.5859
Diazepam	Diazepam-D5	7.710	6786689	965918	7.0262	249.1205

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

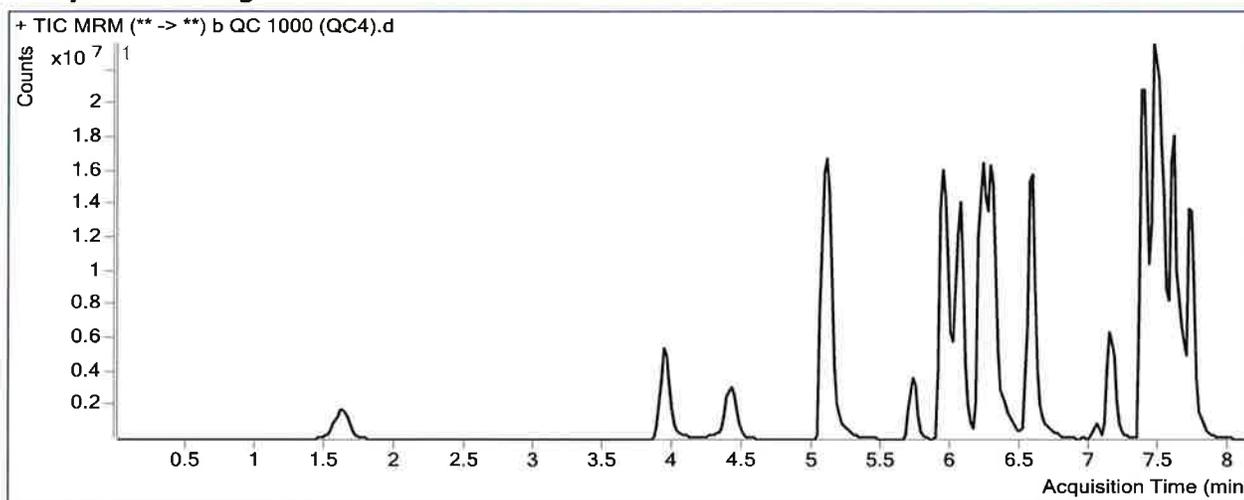
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Batch Data Path C:\MassHunter\Data\2018\MD Quant\070518 MDQ Panel 1 TS worklist 2546\QuantResults\070518 MDQ P1b T
Analysis Time 7/10/2018 11:35 AM **Analyst Name** ISUser
Report Time 7/11/2018 8:28 AM **Reporter Name** ISUser
Last Calib Update 7/10/2018 11:35 AM **Batch State** Processed

Analysis Info

Acq Time 2018-07-06 06:19 **Data File** b QC 1000 (QC4).d
Sample Type QC **Sample Name** b QC 1000 (QC4)
Dilution 1 **Acq Method** MD Quant Panel 1b 6-14-18.m
Position P1-E11 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist 2546

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.628	11424453	390121	29.2844	889.9950
Dihydrocodeine	Dihydrocodeine-D6	3.930	11473191	577809	19.8564	908.0464 <i>Not evaluated. TS</i>
Noroxycodone	Noroxycodone-D3	4.411	14393951	432688	33.2663	949.2996
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.098	83452759	5284575	15.7918	713.1483 <i>outside curve - TS range.</i>
Benzoylcegonine	Benzoylcegonine-d8	5.711	5160079	57042	90.4604	2827.8683
Ketamine	Ketamine-D4	5.941	60311823	2685407	22.4591	915.8284
Norfentanyl	Norfentanyl-D5	6.003	6745463	2801829	2.4075	106.3452
Cocaine	Cocaine-d3	6.212	20621252	2412718	8.5469	1019.0652
alpha-PVP	alpha-PVP-d8	6.307	37877788	1931467	19.6109	973.3982
Mirtazapine	alpha-PVP-d8	6.582	38502063	1931467	19.9341	934.7131
Norbuprenorphine	Norbuprenorphine-D3	6.953	32393	16328	1.9838	101.0724 <i>Not evaluated. TS</i>
Fentanyl	Fentanyl-D5	7.037	1602480	795337	2.0148	113.1408
Mitragynine	EDDP-D3	7.115	7875574	395403	19.9178	652.4659
EDDP	EDDP-D3	7.168	9455959	395403	23.9147	999.8972
Quetiapine	Quetiapine-D8	7.358	53636314	768297	69.8119	734.9223 <i>outside curve - TS range.</i>
Cyclobenzaprine	Cyclobenzaprine-D3	7.432	12268901	458965	26.7317	1041.5410
Methadone	Methadone-D9	7.481	46473265	1921640	24.1842	915.5366 <i>outside curve range. TS</i>
Fluoxetine	Fluoxetine-D6	7.521	26090643	1040210	25.0821	1095.2350
Oxazepam	Oxazepam-D5	7.547	3889732	182500	21.3136	1160.6491

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report b QC 1000 (QC4)

B P

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Buprenorphine	Buprenorphine-D4	7.555	521150	129050	4.0383	107.9543
Sertraline	Sertraline-D3	7.583	10071985	449982	22.3831	989.2405
Temazepam	Temazepam-D5	7.605	29958364	1373763	21.8075	982.8555
Nordiazepam	Nordiazepam-D5	7.674	9065746	202974	44.6646	1016.3286
Diazepam	Diazepam-D5	7.730	21038208	738331	28.4943	1004.9252

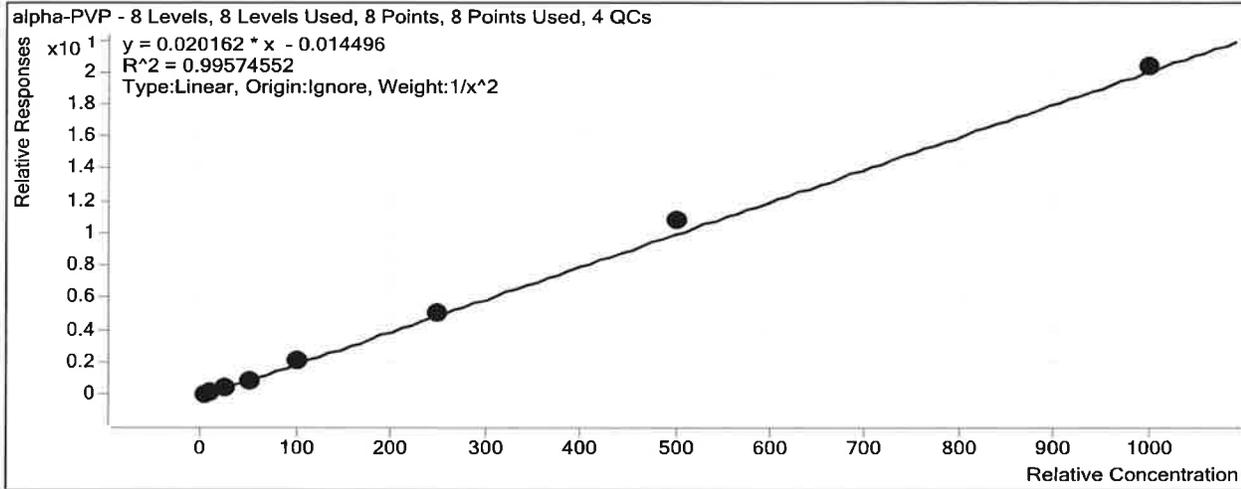
ISP Forensics Calibration Curve Report

AS
P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\070518 MDQ Panel 1 TS worklist
2546\QuantResults\070518 MDQ P1b TS.batch.bin

Last Calib Update 7/10/2018 11:35 AM **Analyst Name** ISP TOX

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



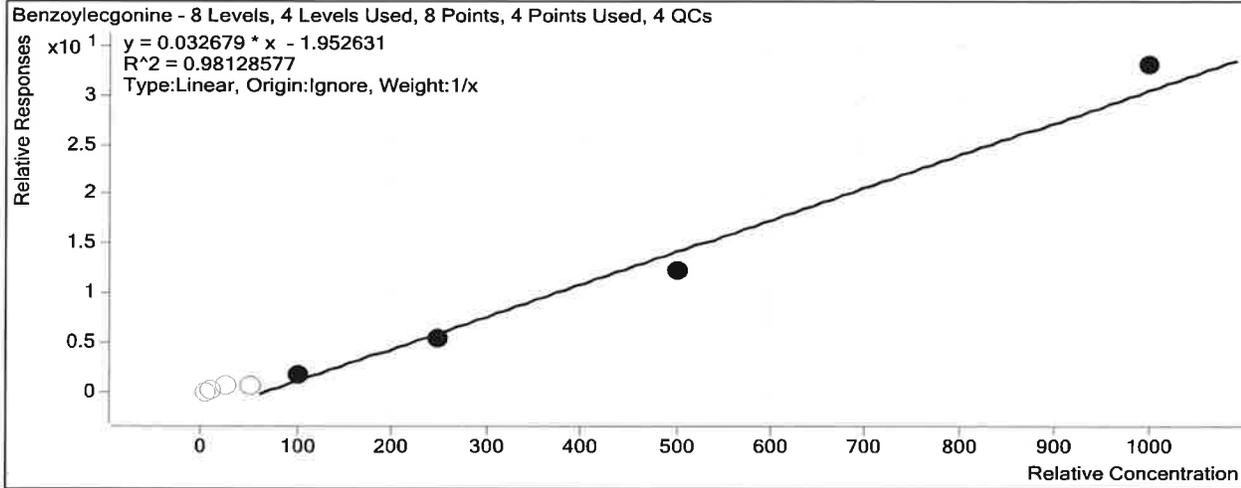
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b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.7	97.2
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.5	90.1
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.8	93.6
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	104.9	104.9
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	98.9	98.9
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	253.3	101.3
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	243.6	97.5
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	536.0	107.2
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1008.9	100.9
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	973.4	97.3

ISP Forensics Calibration Curve Report

TS
P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\070518 MDQ Panel 1 TS worklist
2546\QuantResults\070518 MDQ P1b TS.batch.bin
Last Calib Update 7/10/2018 11:35 AM **Analyst Name** ISP TOX

Target Compound Benzoylecgonine
Internal Standard Benzoylecgonine-d8



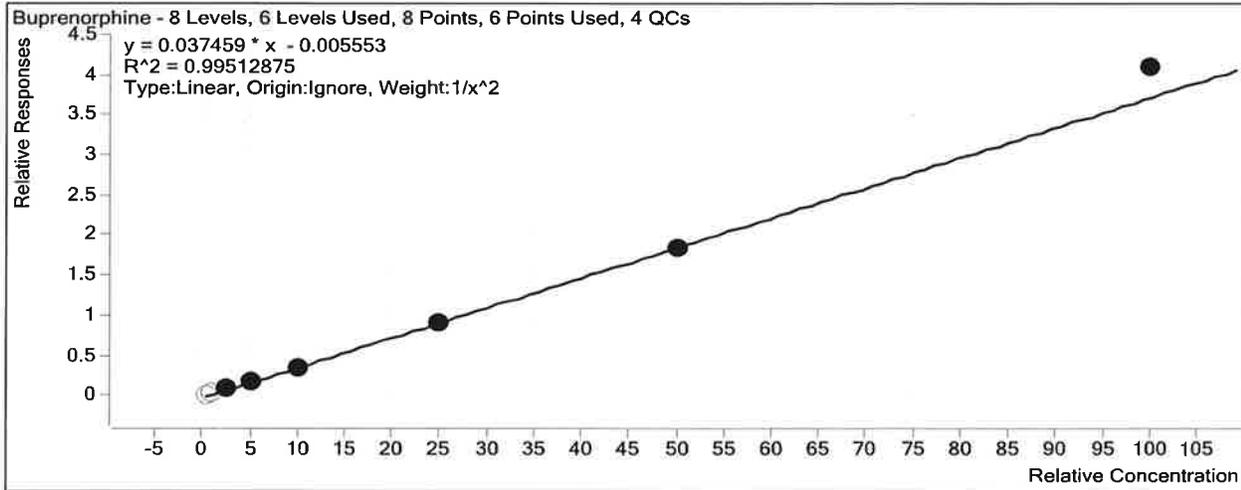
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b cal 2-10ng	2	<input type="checkbox"/>	10	63.6	635.6
b QC 10 (QC1)	2	<input type="checkbox"/>	10	67.2	672.1
b cal 3-25ng	3	<input type="checkbox"/>	25	81.5	326.0
b cal 4-50ng	4	<input type="checkbox"/>	50	79.1	158.2
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	115.2	115.2
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	164.0	164.0
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	224.5	89.8
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	429.1	171.6
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	439.3	87.9
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1071.0	107.1
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	2827.9	282.8

ISP Forensics Calibration Curve Report

13
D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\070518 MDQ Panel 1 TS worklist
2546\QuantResults\070518 MDQ P1b TS.batch.bin
Last Calib Update 7/10/2018 11:35 AM **Analyst Name** ISP TOX

Target Compound Buprenorphine
Internal Standard Buprenorphine-D4



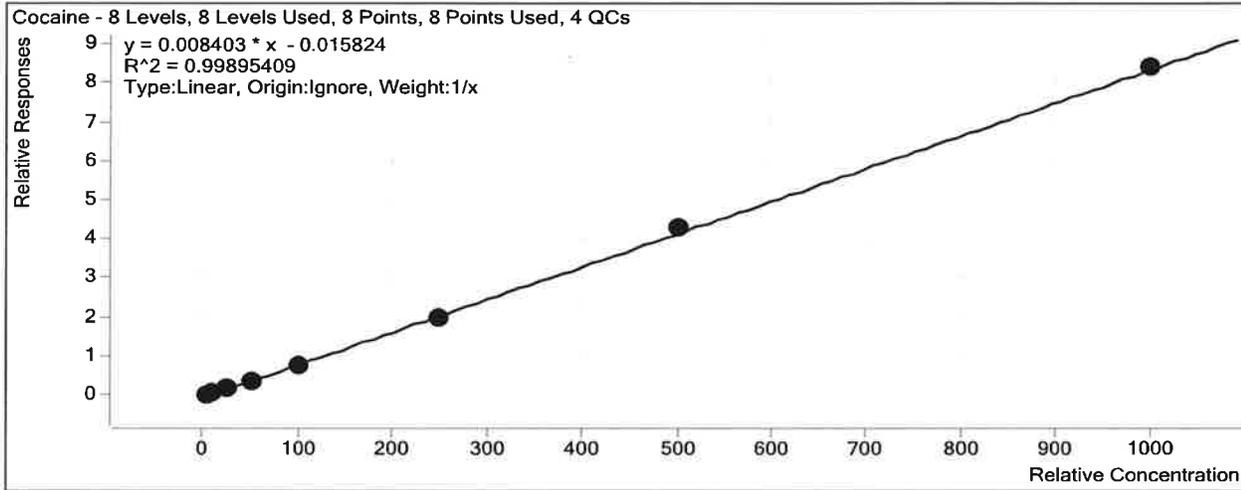
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b cal 2-10ng	2	<input type="checkbox"/>	1	1.0	96.7
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b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.6	103.8
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.7	94.6
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.6	96.0
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	10	10.7	107.3
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	24.3	97.3
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	25	26.8	107.3
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	49.4	98.9
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	109.4	109.4
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	100	108.0	108.0

ISP Forensics Calibration Curve Report

B
D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\070518 MDQ Panel 1 TS worklist
2546\QuantResults\070518 MDQ P1b TS.batch.bin
Last Calib Update 7/10/2018 11:35 AM **Analyst Name** ISP TOX

Target Compound Cocaine
Internal Standard Cocaine-d3



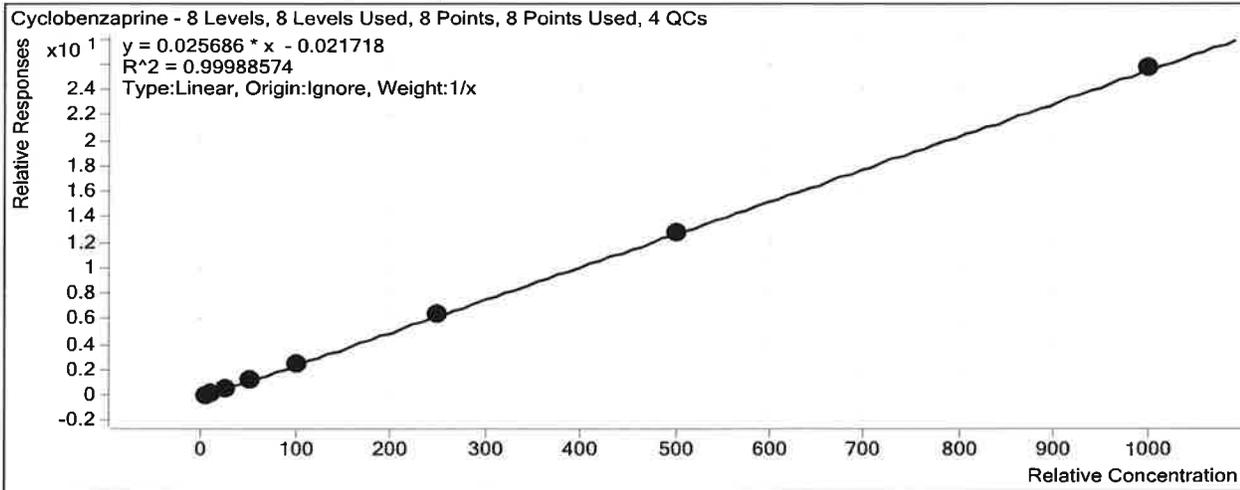
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b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.9	118.2
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.4	94.5
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.4	104.2
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.2	100.6
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.6	93.3
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	93.9	93.9
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	104.8	104.8
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	239.6	95.8
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	252.5	101.0
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	517.6	103.5
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1001.8	100.2
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1019.1	101.9

ISP Forensics Calibration Curve Report

B
P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\070518 MDQ Panel 1 TS worklist
2546\QuantResults\070518 MDQ P1b TS.batch.bin
Last Calib Update 7/10/2018 11:35 AM **Analyst Name** ISP TOX

Target Compound Cyclobenzaprine
Internal Standard Cyclobenzaprine-D3



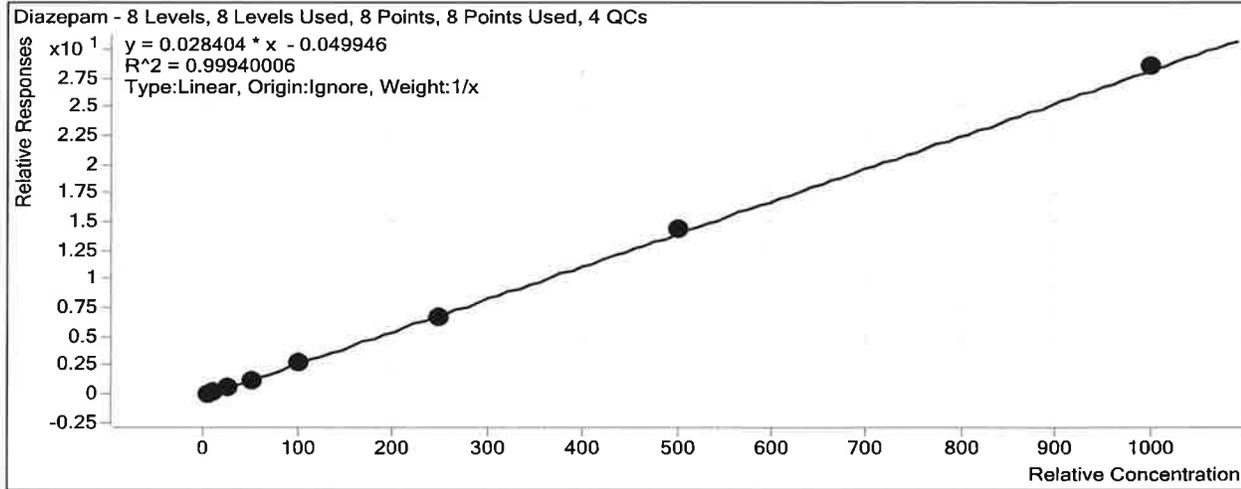
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.3	106.9
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	101.2
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	12.6	125.7
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.3	97.3
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.6	97.2
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.0	97.0
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	100.9	100.9
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	249.1	99.6
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	266.1	106.5
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	503.0	100.6
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1002.5	100.3
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1041.5	104.2

ISP Forensics Calibration Curve Report

B
P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\070518 MDQ Panel 1 TS worklist
2546\QuantResults\070518 MDQ P1b TS.batch.bin
Last Calib Update 7/10/2018 11:35 AM **Analyst Name** ISP TOX

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



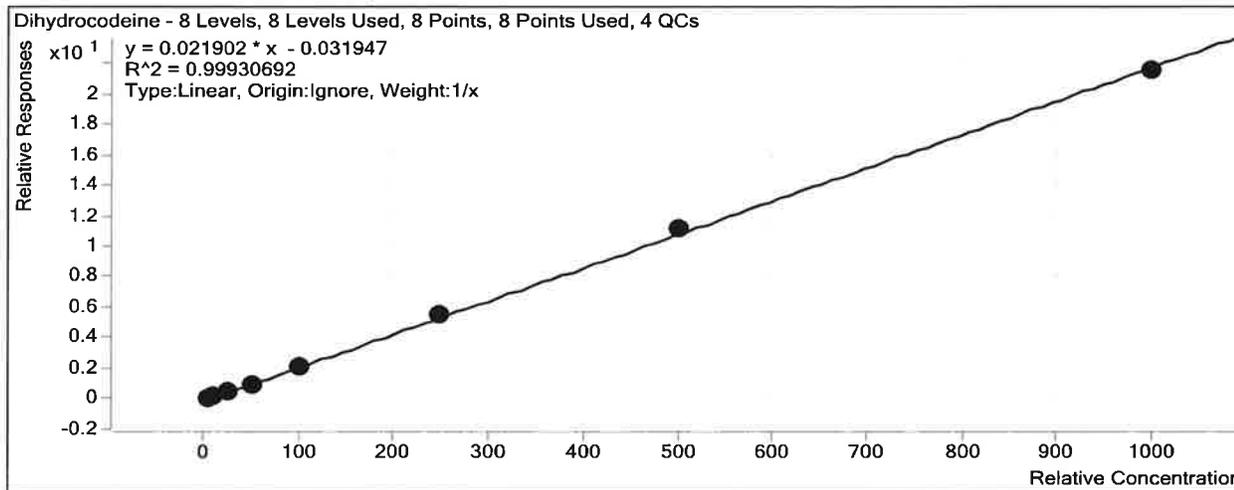
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.5	110.8
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.3	102.7
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.4	103.9
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.1	96.3
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.1	94.1
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.9	97.9
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	96.3	96.3
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	238.8	95.5
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	249.1	99.6
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	510.2	102.0
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1006.2	100.6
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1004.9	100.5

ISP Forensics Calibration Curve Report

TS
TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\070518 MDQ Panel 1 TS worklist
2546\QuantResults\070518 MDQ P1b TS.batch.bin
Last Calib Update 7/10/2018 11:35 AM **Analyst Name** ISP TOX

Target Compound Dihydrocodeine
Internal Standard Dihydrocodeine-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.7	114.5
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.4	94.1
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	12.1	121.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.5	93.9
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.6	93.2
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.6	100.6
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	99.7	99.7
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	256.6	102.6
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	260.9	104.4
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	513.2	102.6
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	984.5	98.4
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	908.0	90.8

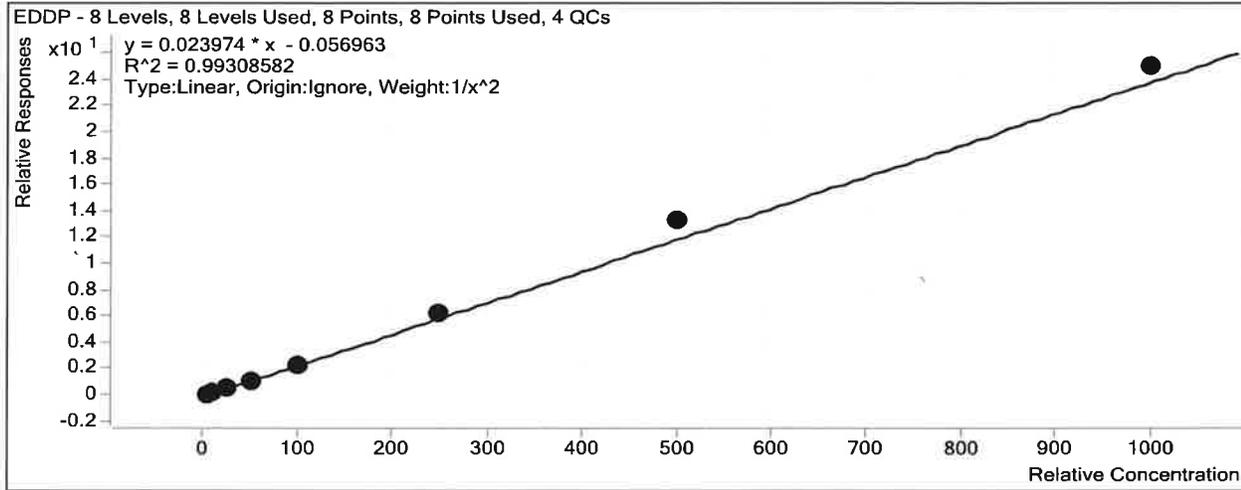
* Compound not evaluated. - TS

ISP Forensics Calibration Curve Report

TS
P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\070518 MDQ Panel 1 TS worklist
2546\QuantResults\070518 MDQ P1b TS.batch.bin
Last Calib Update 7/10/2018 11:35 AM **Analyst Name** ISP TOX

Target Compound EDDP
Internal Standard EDDP-D3



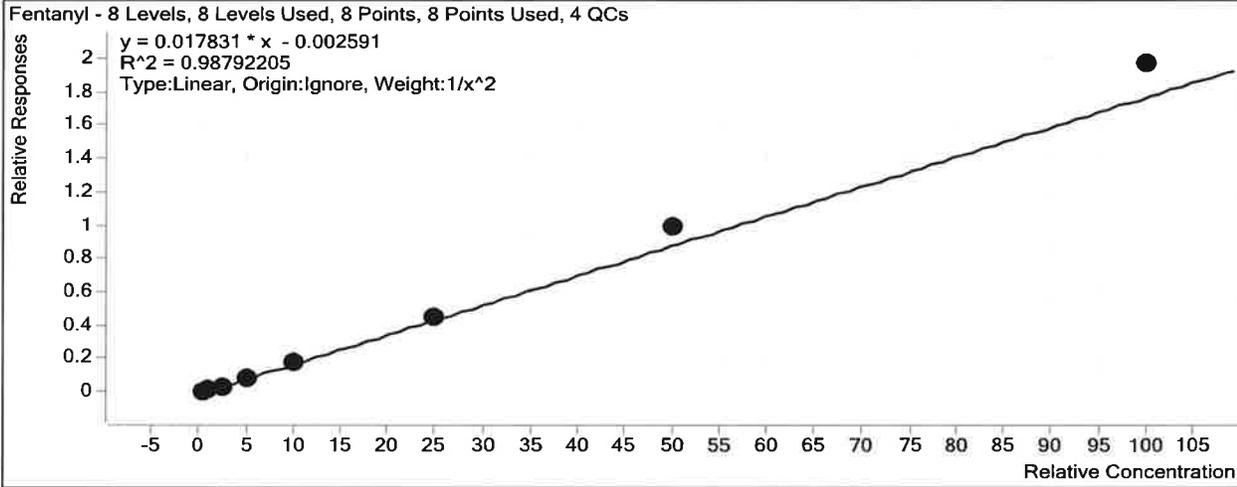
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	104.2
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	96.7
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.6	95.6
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.0	91.8
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	45.1	90.2
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.7	97.7
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	89.5	89.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	258.6	103.4
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	266.5	106.6
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	559.2	111.8
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1041.9	104.2
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	999.9	100.0

ISP Forensics Calibration Curve Report

B
D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\070518 MDQ Panel 1 TS worklist
2546\QuantResults\070518 MDQ P1b TS.batch.bin
Last Calib Update 7/10/2018 11:35 AM **Analyst Name** ISP TOX

Target Compound Fentanyl
Internal Standard Fentanyl-D5



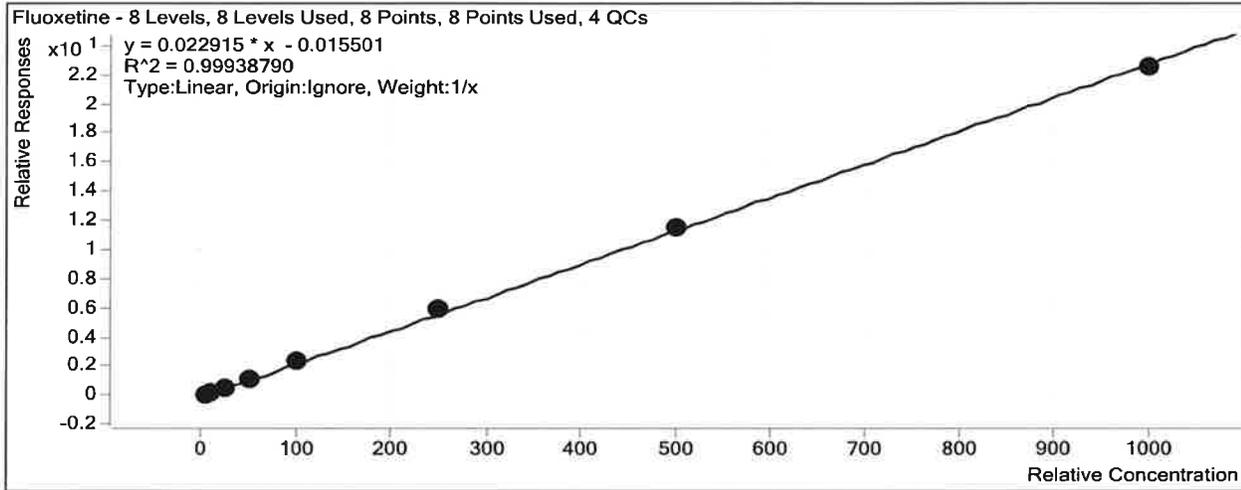
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	0.5	0.5	106.3
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.0	95.2
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	1	1.4	143.7
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.1	83.5
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.6	92.9
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.8	98.2
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	10	10.2	101.6
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	25.3	101.3
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	25	25.8	103.4
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	56.0	112.0
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	110.5	110.5
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	100	113.1	113.1

ISP Forensics Calibration Curve Report

B
D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\070518 MDQ Panel 1 TS worklist
2546\QuantResults\070518 MDQ P1b TS.batch.bin
Last Calib Update 7/10/2018 11:35 AM **Analyst Name** ISP TOX

Target Compound Fluoxetine
Internal Standard Fluoxetine-D6



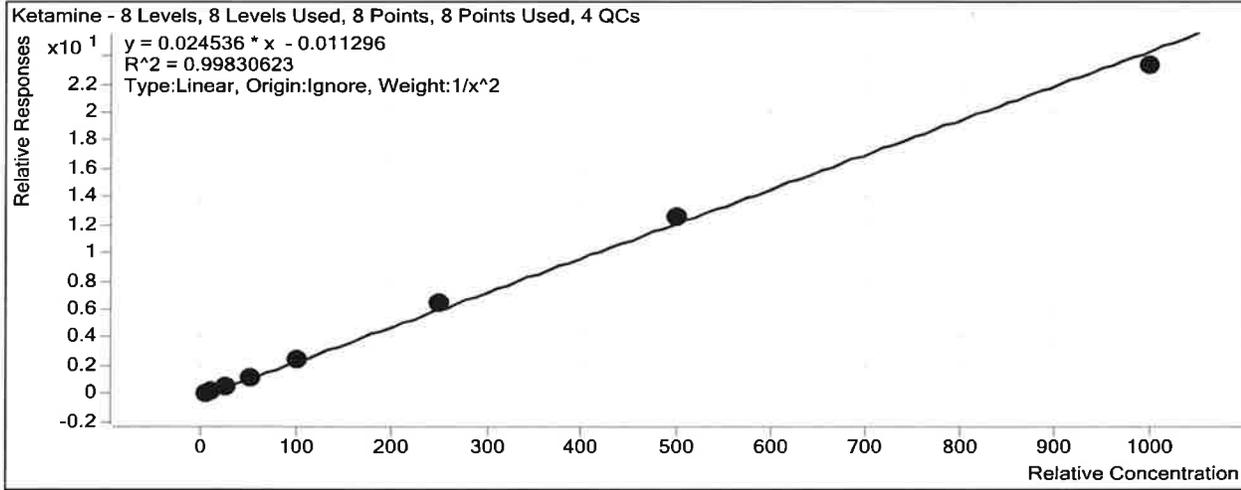
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.4	108.1
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	95.6
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	13.3	132.6
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.8	91.2
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.0	97.9
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	104.0	104.0
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	107.3	107.3
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	258.1	103.2
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	278.4	111.4
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	507.7	101.5
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	983.4	98.3
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1095.2	109.5

ISP Forensics Calibration Curve Report

B
P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\070518 MDQ Panel 1 TS worklist
2546\QuantResults\070518 MDQ P1b TS.batch.bin
Last Calib Update 7/10/2018 11:35 AM **Analyst Name** ISP TOX

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



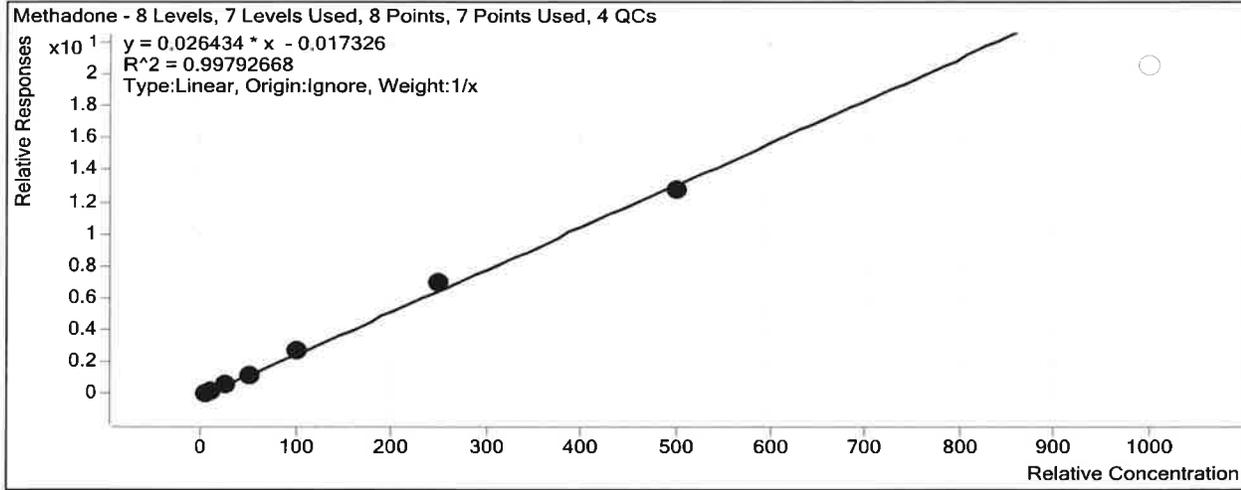
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.3
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	96.3
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.6	96.4
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.1	96.4
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.5	101.0
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.4	101.4
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	106.4	106.4
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	261.8	104.7
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	264.6	105.8
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	514.1	102.8
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	951.0	95.1
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	915.8	91.6

ISP Forensics Calibration Curve Report

KS
D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\070518 MDQ Panel 1 TS worklist
2546\QuantResults\070518 MDQ P1b TS.batch.bin
Last Calib Update 7/10/2018 11:35 AM **Analyst Name** ISP TOX

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



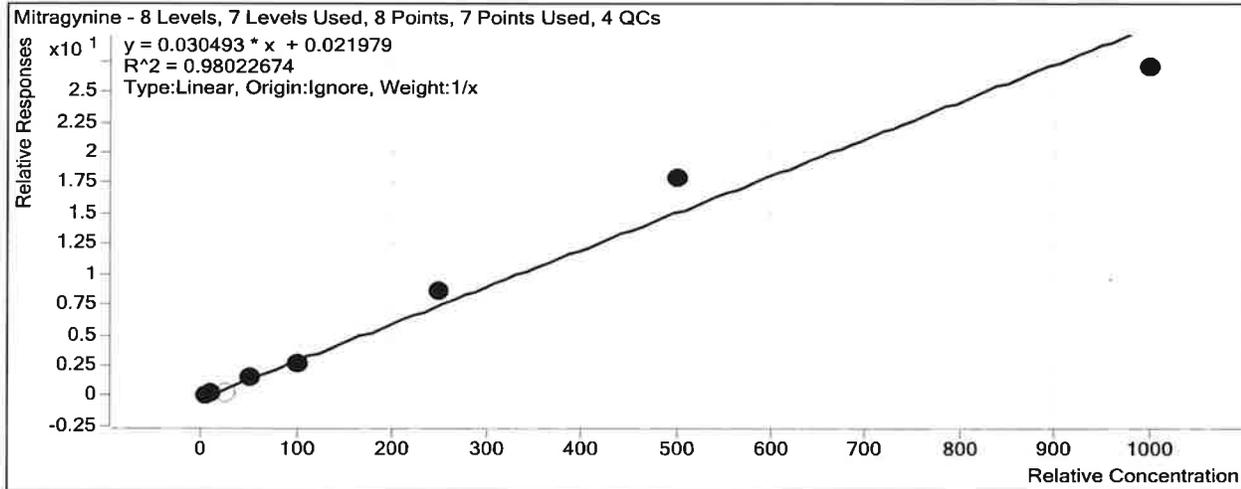
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.9	98.5
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	98.8
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	12.9	129.5
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.1	100.3
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.4	94.8
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	105.4	105.4
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	106.7	106.7
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	263.5	105.4
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	278.7	111.5
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	483.8	96.8
b cal 8-1000ng	8	<input type="checkbox"/>	1000	776.2	77.6
b QC 1000 (QC4)	8	<input type="checkbox"/>	1000	915.5	91.6

ISP Forensics Calibration Curve Report

TS
P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\070518 MDQ Panel 1 TS worklist
2546\QuantResults\070518 MDQ P1b TS.batch.bin
Last Calib Update 7/10/2018 11:35 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.6	91.6
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.3	93.3
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	5.0	50.0
b cal 3-25ng	3	<input type="checkbox"/>	25	7.7	30.8
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.9	105.8
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	89.1	89.1
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	77.0	77.0
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	284.0	113.6
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	228.3	91.3
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	590.4	118.1
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	884.7	88.5
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	652.5	65.2

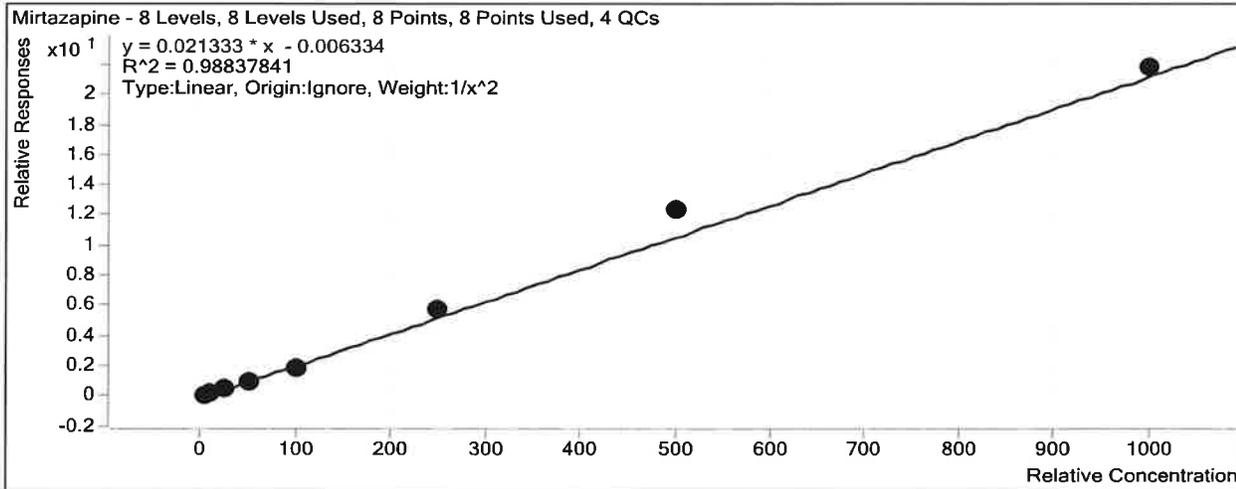
ISP Forensics Calibration Curve Report

TS
D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\070518 MDQ Panel 1 TS worklist
2546\QuantResults\070518 MDQ P1b TS.batch.bin

Last Calib Update 7/10/2018 11:35 AM **Analyst Name** ISP TOX

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



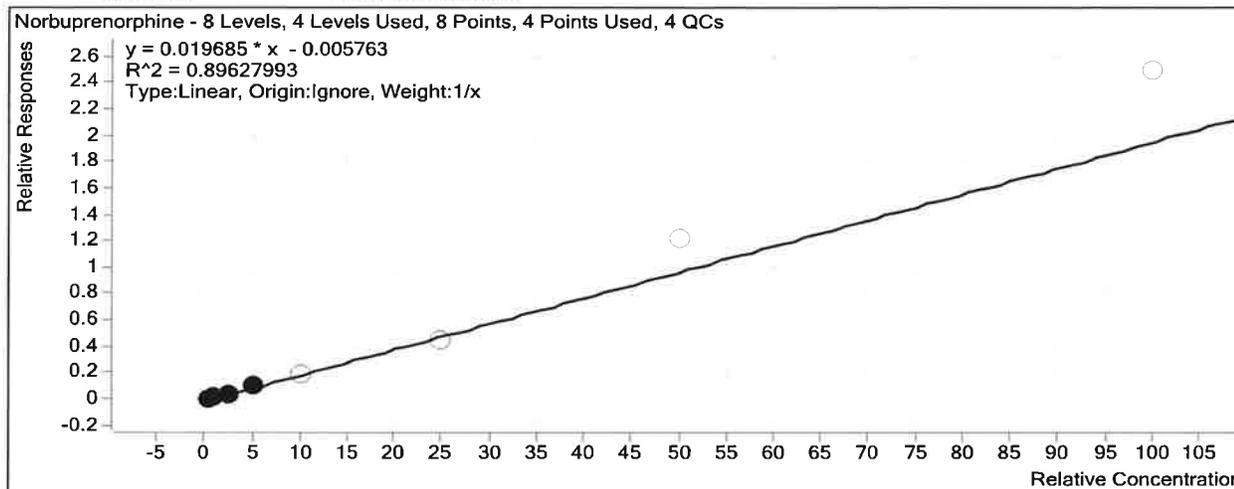
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	103.5
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	96.5
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	8.4	84.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.3	97.0
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.3	92.5
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	85.3	85.3
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	89.5	89.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	266.6	106.7
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	261.9	104.8
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	581.5	116.3
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1021.6	102.2
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	934.7	93.5

ISP Forensics Calibration Curve Report

B
P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\070518 MDQ Panel 1 TS worklist
2546\QuantResults\070518 MDQ P1b TS.batch.bin
Last Calib Update 7/10/2018 11:35 AM **Analyst Name** ISP TOX

Target Compound Norbuprenorphine
Internal Standard Norbuprenorphine-D3



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	0.5	0.7	131.4
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	0.9	86.8
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	1	1.2	124.2
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	1.6	64.6
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	5.9	117.2
b cal 5-100ng	5	<input type="checkbox"/>	10	9.8	98.4
b QC 100 (QC2)	5	<input type="checkbox"/>	10	13.2	132.2
b cal 6-250ng	6	<input type="checkbox"/>	25	23.1	92.4
b QC 250 (QC 3)	6	<input type="checkbox"/>	25	24.7	98.9
b cal 7-500ng	7	<input type="checkbox"/>	50	62.1	124.1
b cal 8-1000ng	8	<input type="checkbox"/>	100	126.6	126.6
b QC 1000 (QC4)	8	<input type="checkbox"/>	100	101.1	101.1

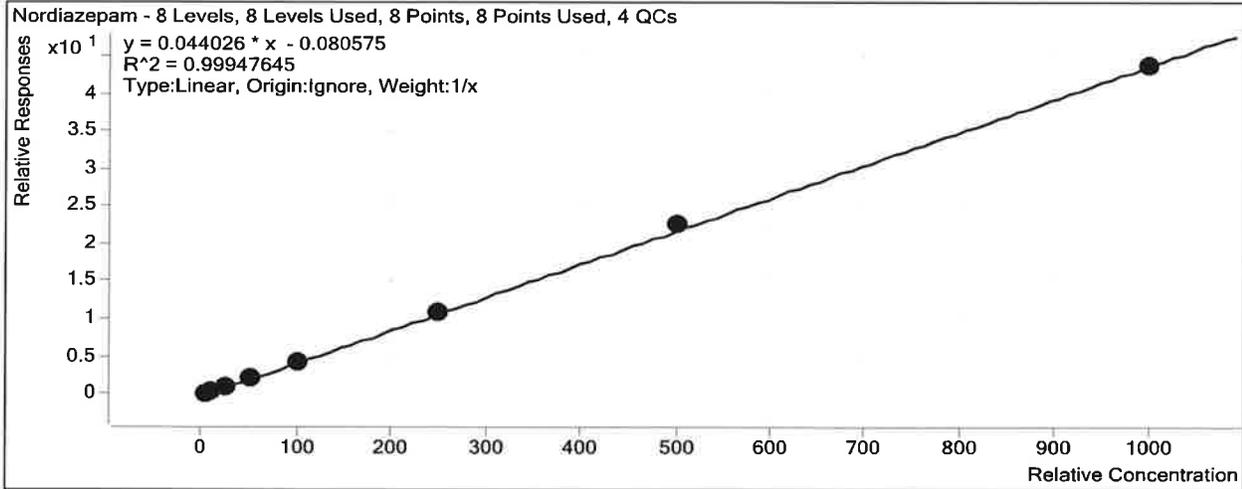
* compound not evaluated. - TS

ISP Forensics Calibration Curve Report

TS
D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\070518 MDQ Panel 1 TS worklist
2546\QuantResults\070518 MDQ P1b TS.batch.bin
Last Calib Update 7/10/2018 11:35 AM **Analyst Name** ISP TOX

Target Compound Nordiazepam
Internal Standard Nordiazepam-D5



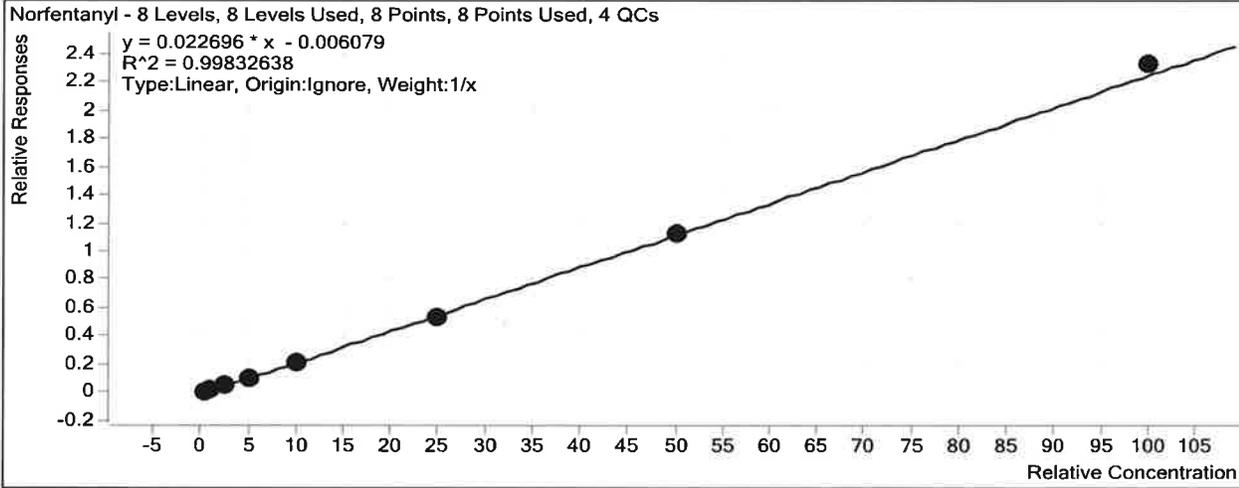
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.7	114.9
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	95.5
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.2	101.9
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.8	95.3
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.6	97.2
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	95.5	95.5
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	97.3	97.3
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	248.2	99.3
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	258.6	103.4
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	514.9	103.0
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	993.7	99.4
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1016.3	101.6

ISP Forensics Calibration Curve Report

15
P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\070518 MDQ Panel 1 TS worklist
2546\QuantResults\070518 MDQ P1b TS.batch.bin
Last Calib Update 7/10/2018 11:35 AM **Analyst Name** ISP TOX

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



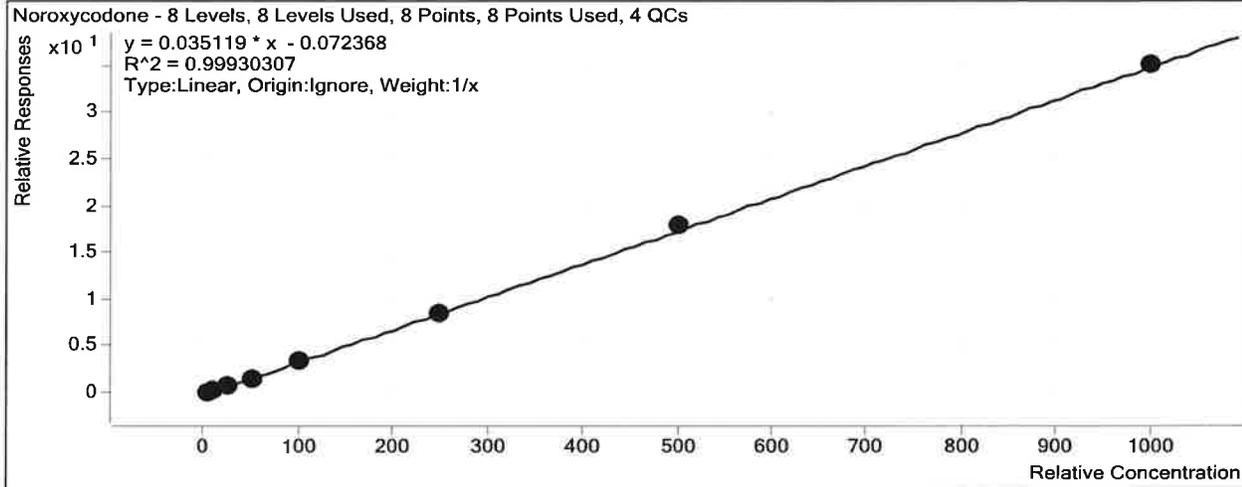
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	0.5	0.6	127.1
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.0	98.9
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	1	1.0	102.1
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.4	94.5
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.4	88.6
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.4	94.1
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	10	9.2	91.7
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	23.7	94.7
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	25	24.9	99.5
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	49.7	99.3
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	102.8	102.8
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	100	106.3	106.3

ISP Forensics Calibration Curve Report

TS
D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\070518 MDQ Panel 1 TS worklist
2546\QuantResults\070518 MDQ P1b TS.batch.bin
Last Calib Update 7/10/2018 11:35 AM **Analyst Name** ISP TOX

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



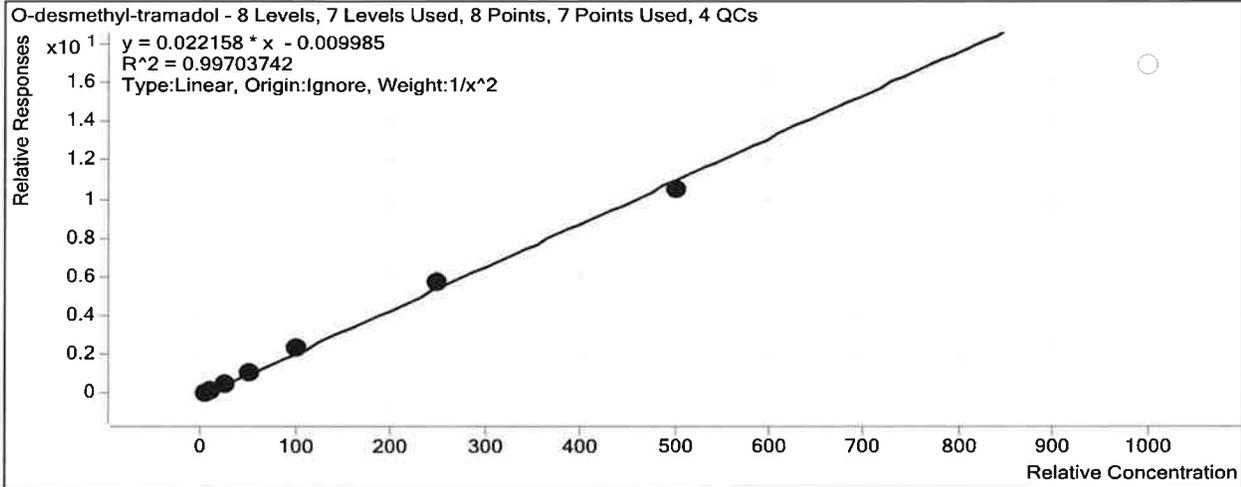
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.9	118.5
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	99.8
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.5	104.7
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.5	93.8
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	45.3	90.6
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	96.4	96.4
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	97.0	97.0
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	246.0	98.4
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	245.2	98.1
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	512.8	102.6
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1000.2	100.0
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	949.3	94.9

ISP Forensics Calibration Curve Report

B
P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\070518 MDQ Panel 1 TS worklist
2546\QuantResults\070518 MDQ P1b TS.batch.bin
Last Calib Update 7/10/2018 11:35 AM **Analyst Name** ISP TOX

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



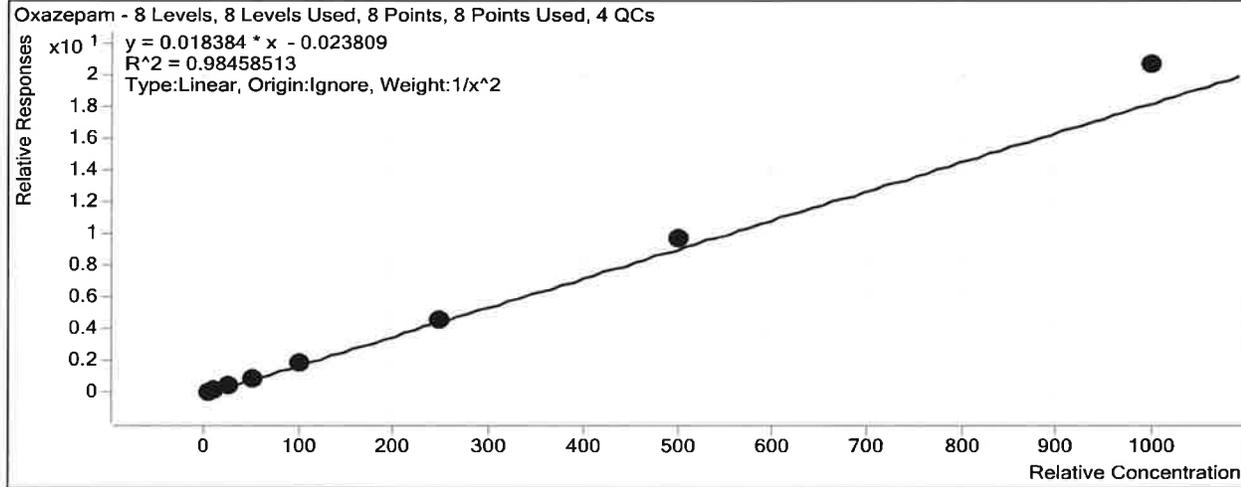
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b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.7
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	95.8
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.9	99.1
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.9	95.6
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.8	99.5
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	106.0	106.0
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	103.1	103.1
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	262.7	105.1
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	267.5	107.0
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	476.9	95.4
b cal 8-1000ng	8	<input type="checkbox"/>	1000	763.0	76.3
b QC 1000 (QC4)	8	<input type="checkbox"/>	1000	713.1	71.3

ISP Forensics Calibration Curve Report

B
D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\070518 MDQ Panel 1 TS worklist
2546\QuantResults\070518 MDQ P1b TS.batch.bin
Last Calib Update 7/10/2018 11:35 AM **Analyst Name** ISP TOX

Target Compound Oxazepam
Internal Standard Oxazepam-D5



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.6	111.6
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	8.1	81.0
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	8.3	83.3
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.7	90.6
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.4	94.8
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	104.2	104.2
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	99.6	99.6
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	248.0	99.2
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	284.0	113.6
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	529.6	105.9
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1127.0	112.7
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1160.6	116.1

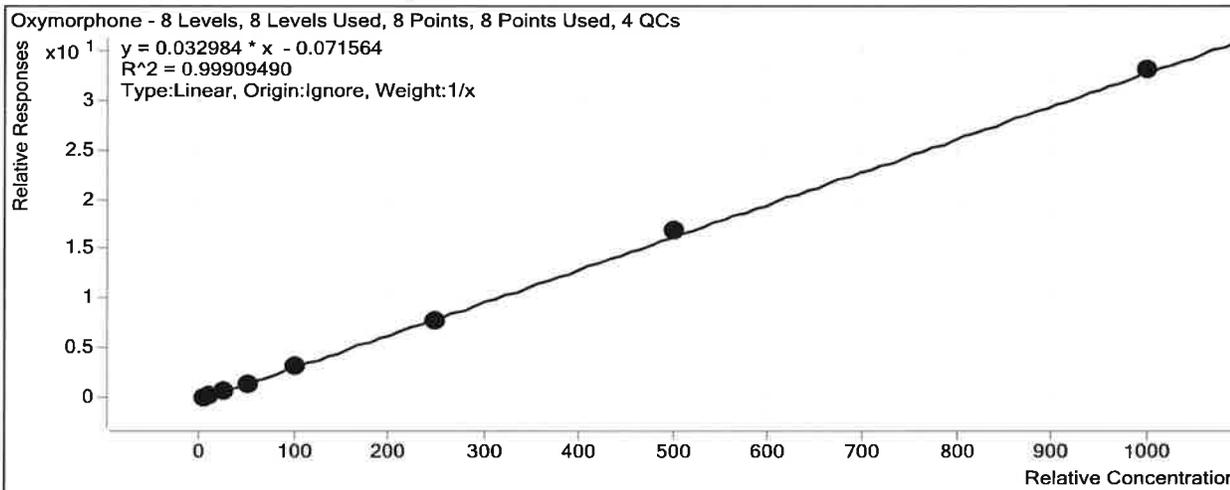
ISP Forensics Calibration Curve Report

B
A

Batch Data Path C:\MassHunter\Data\2018\MD Quant\070518 MDQ Panel 1 TS worklist
2546\QuantResults\070518 MDQ P1b TS.batch.bin

Last Calib Update 7/10/2018 11:35 AM **Analyst Name** ISP TOX

Target Compound Oxymorphone
Internal Standard Oxymorphone-D3



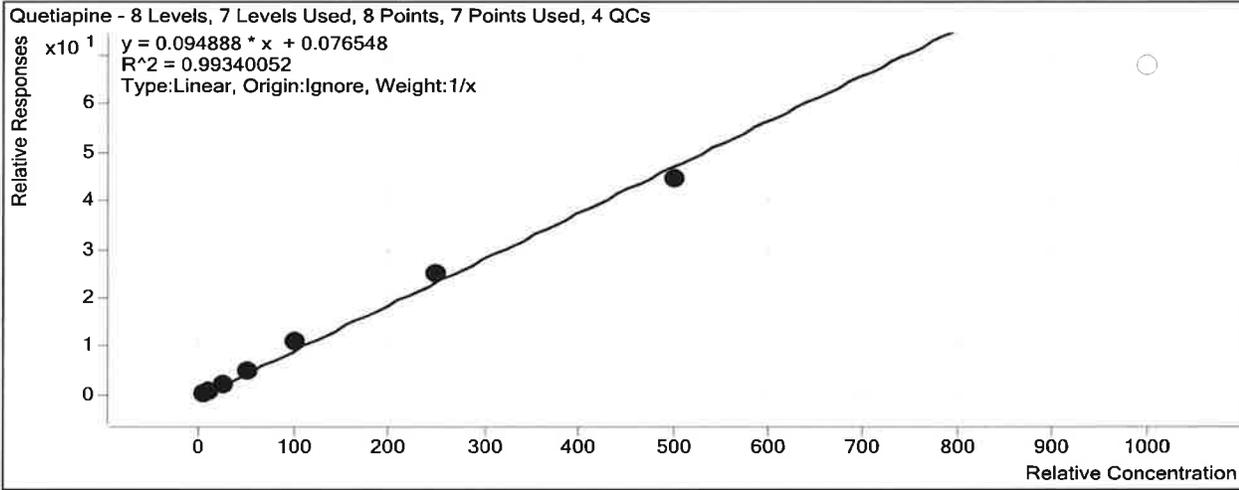
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	6.0	120.7
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	101.0
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.8	97.9
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.6	90.2
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	45.7	91.3
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.3	97.3
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	91.9	91.9
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	240.9	96.4
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	244.1	97.7
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	513.4	102.7
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1004.0	100.4
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	890.0	89.0

ISP Forensics Calibration Curve Report

B
P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\070518 MDQ Panel 1 TS worklist
2546\QuantResults\070518 MDQ P1b TS.batch.bin
Last Calib Update 7/10/2018 11:35 AM **Analyst Name** ISP TOX

Target Compound Quetiapine
Internal Standard Quetiapine-D8



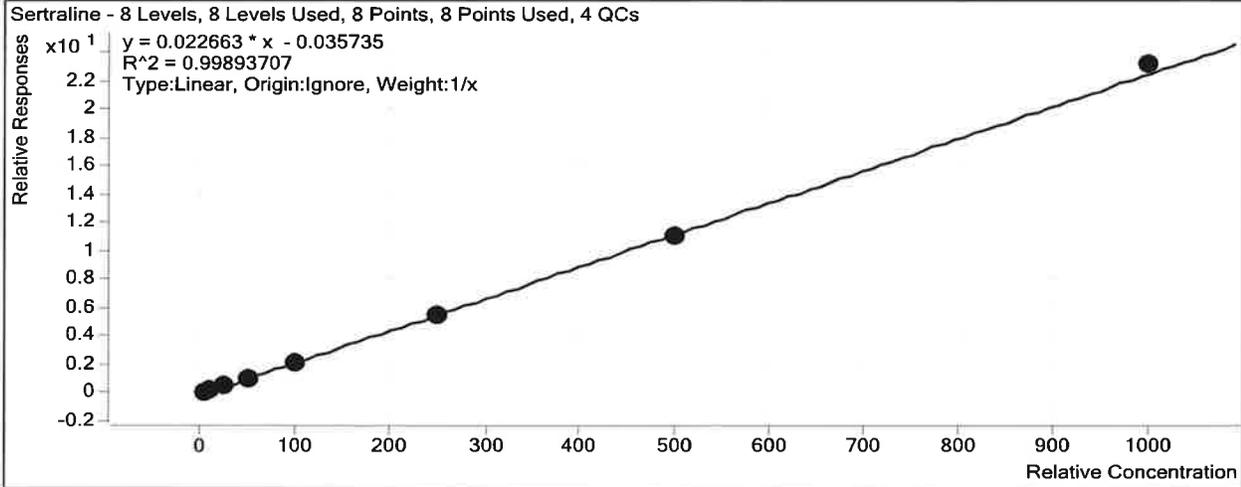
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.6	91.5
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.4	94.1
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.2	101.7
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.3	93.1
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.8	105.7
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	116.2	116.2
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	102.1	102.1
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	263.0	105.2
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	266.2	106.5
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	470.7	94.1
b cal 8-1000ng	8	<input type="checkbox"/>	1000	715.5	71.5
b QC 1000 (QC4)	8	<input type="checkbox"/>	1000	734.9	73.5

ISP Forensics Calibration Curve Report

TS
P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\070518 MDQ Panel 1 TS worklist
2546\QuantResults\070518 MDQ P1b TS.batch.bin
Last Calib Update 7/10/2018 11:35 AM **Analyst Name** ISP TOX

Target Compound Sertraline
Internal Standard Sertraline-D3



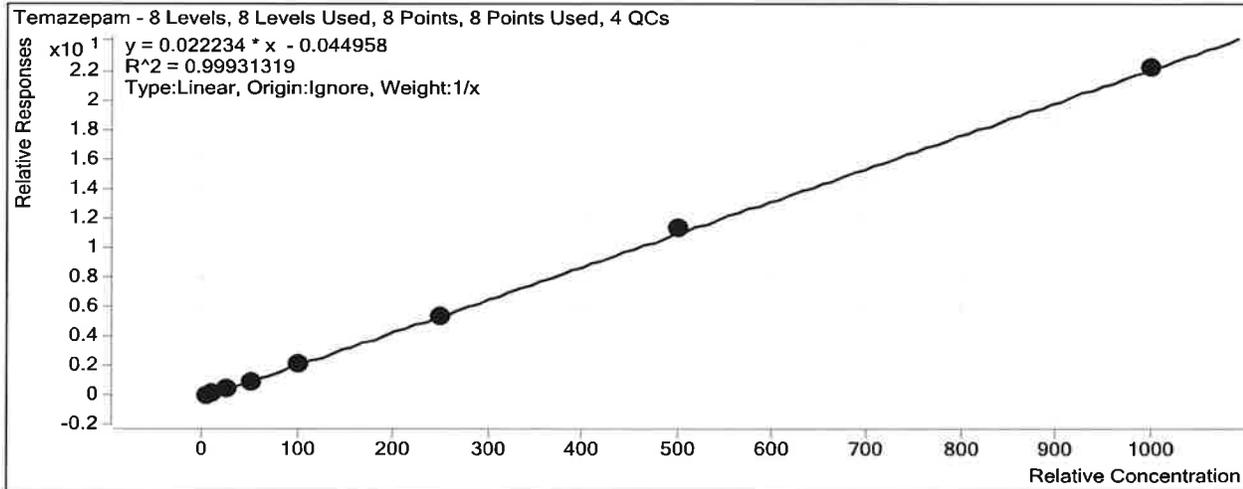
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.8	116.1
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.2	101.9
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	12.3	122.9
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.5	98.0
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.8	93.5
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	92.2	92.2
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	97.9	97.9
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	242.7	97.1
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	249.1	99.6
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	493.0	98.6
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1024.8	102.5
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	989.2	98.9

ISP Forensics Calibration Curve Report

B
D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\070518 MDQ Panel 1 TS worklist
2546\QuantResults\070518 MDQ P1b TS.batch.bin
Last Calib Update 7/10/2018 11:35 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	6.0	120.4
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.4	93.5
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.3	102.7
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.6	94.4
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.0	94.1
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.8	97.8
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	91.9	91.9
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	242.4	97.0
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	249.6	99.9
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	514.7	102.9
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	999.0	99.9
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	982.9	98.3

B
D

ISP FORENSICS - Pocatello Instrument # 59740

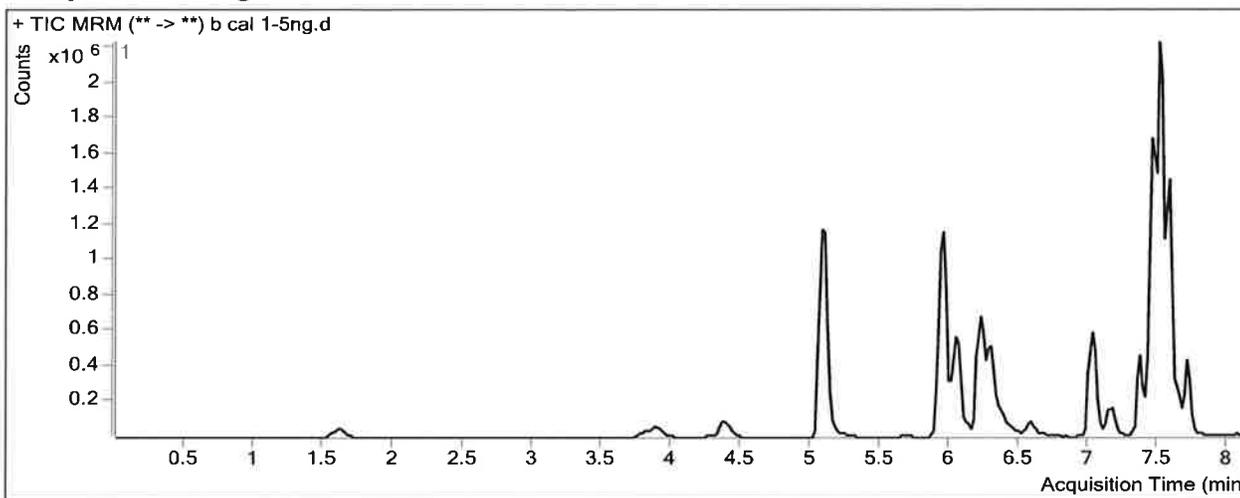
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\070518 MDQ Panel 1 TS worklist 2546\QuantResults\070518 MDQ P1b T
Analysis Time 7/10/2018 11:35 AM **Analyst Name** ISPUser
Report Time 7/11/2018 8:25 AM **Reporter Name** ISPUser
Last Calib Update 7/10/2018 11:35 AM **Batch State** Processed

Analysis Info

Acq Time 2018-07-05 14:19 **Data File** b cal 1-5ng.d
Sample Type Calibration **Sample Name** b cal 1-5ng
Dilution 1 **Acq Method** MD Quant Panel 1b 6-14-18.m
Position P1-H12 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist 2546

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.628	38128	299049	0.1275	6.0350
Dihydrocodeine	Dihydrocodeine-D6	3.930	40820	436716	0.0935	5.7263
Noroxycodone	Noroxycodone-D3	4.411	62500	460806	0.1356	5.9227
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.098	512598	4939506	0.1038	5.1341
Benzoyllecgonine	Benzoyllecgonine-d8	5.690	2427	43941	0.0552	61.4411
Ketamine	Ketamine-D4	5.941	270242	2366003	0.1142	5.1156
Norfentanyl	Norfentanyl-D5	5.983	24177	2898913	0.0083	0.6353
Cocaine	Cocaine-d3	6.212	93046	2750490	0.0338	5.9093
alpha-PVP	alpha-PVP-d8	6.307	168994	1901569	0.0889	5.1269
Mirtazapine	alpha-PVP-d8	6.582	197927	1901569	0.1041	5.1759
Norbuprenorphine	Norbuprenorphine-D3	6.974	293	40818	0.0072	0.6569
Fentanyl	Fentanyl-D5	7.037	15123	2196503	0.0069	0.5314
Mitragynine	EDDP-D3	7.115	75417	466423	0.1617	4.5817
EDDP	EDDP-D3	7.168	31680	466423	0.0679	5.2091
Quetiapine	Quetiapine-D8	7.358	457931	896820	0.5106	4.5745
Cyclobenzaprine	Cyclobenzaprine-D3	7.432	138468	1198686	0.1155	5.3427
Methadone	Methadone-D9	7.461	483822	4287053	0.1129	4.9248
Fluoxetine	Fluoxetine-D6	7.521	524155	4835557	0.1084	5.4067
Oxazepam	Oxazepam-D5	7.547	12323	156465	0.0788	5.5792

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

b cal 1-5ng

TS
↑

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Buprenorphine	Buprenorphine-D4	7.555	10548	568270	0.0186	0.6438
Sertraline	Sertraline-D3	7.563	201393	2100561	0.0959	5.8074
Temazepam	Temazepam-D5	7.585	137813	1551209	0.0888	6.0179
Nordiazepam	Nordiazepam-D5	7.654	41937	243314	0.1724	5.7450
Diazepam	Diazepam-D5	7.710	101921	948654	0.1074	5.5409

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

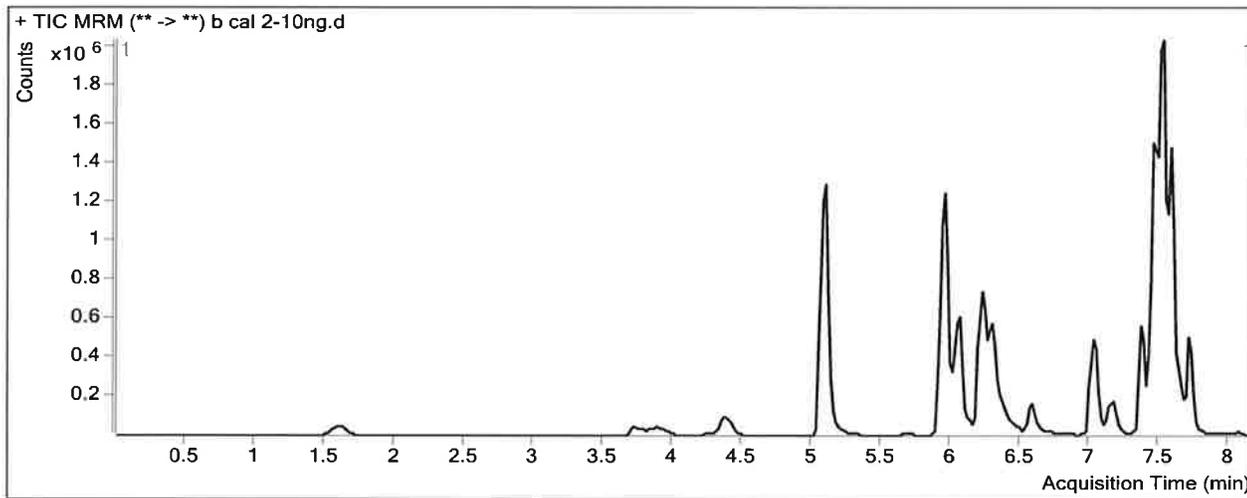
B
 S
 b cal 2-10ng

Batch Data Path C:\MassHunter\Data\2018\MD Quant\070518 MDQ Panel 1 TS worklist 2546\QuantResults\070518 MDQ P1b T
Analysis Time 7/10/2018 11:35 AM **Analyst Name** ISPUser
Report Time 7/11/2018 8:25 AM **Reporter Name** ISPUser
Last Calib Update 7/10/2018 11:35 AM **Batch State** Processed

Analysis Info

Acq Time 2018-07-05 14:50 **Data File** b cal 2-10ng.d
Sample Type Calibration **Sample Name** b cal 2-10ng
Dilution 1 **Acq Method** MD Quant Panel 1b 6-14-18.m
Position P1-G12 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist 2546

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.628	76907	294145	0.2615	10.0964
Dihydrocodeine	Dihydrocodeine-D6	3.950	74916	430096	0.1742	9.4114
Noroxycodone	Noroxycodone-D3	4.411	125382	450787	0.2781	9.9805
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.098	992011	4904212	0.2023	9.5796
Benzoylcegonine	Benzoylcegonine-d8	5.711	4809	38650	0.1244	63.5589
Ketamine	Ketamine-D4	5.941	522345	2321873	0.2250	9.6294
Norfentanyl	Norfentanyl-D5	5.983	46281	2828832	0.0164	0.9887
Cocaine	Cocaine-d3	6.212	175947	2767742	0.0636	9.4489
alpha-PVP	alpha-PVP-d8	6.307	347821	1869087	0.1861	9.9489
Mirtazapine	alpha-PVP-d8	6.582	372905	1869087	0.1995	9.6490
Norbuprenorphine	Norbuprenorphine-D3	6.933	393	34720	0.0113	0.8680
Fentanyl	Fentanyl-D5	7.037	26980	1874921	0.0144	0.9523
Mitragynine	EDDP-D3	7.135	127785	417109	0.3064	9.3260
EDDP	EDDP-D3	7.168	72927	417109	0.1748	9.6688
Quetiapine	Quetiapine-D8	7.378	831739	857574	0.9699	9.4145
Cyclobenzaprine	Cyclobenzaprine-D3	7.452	243174	1020736	0.2382	10.1202
Methadone	Methadone-D9	7.481	813695	3335959	0.2439	9.8827
Fluoxetine	Fluoxetine-D6	7.521	857548	4213426	0.2035	9.5582
Oxazepam	Oxazepam-D5	7.547	20375	162877	0.1251	8.0996

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

TS
↑
b cal 2-10ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Buprenorphine	Buprenorphine-D4	7.555	16085	524675	0.0307	0.9667
Sertraline	Sertraline-D3	7.583	354901	1817989	0.1952	10.1908
Temazepam	Temazepam-D5	7.605	245152	1503792	0.1630	9.3543
Nordiazepam	Nordiazepam-D5	7.674	83256	244904	0.3400	9.5517
Diazepam	Diazepam-D5	7.710	206457	853513	0.2419	10.2744

TS P

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

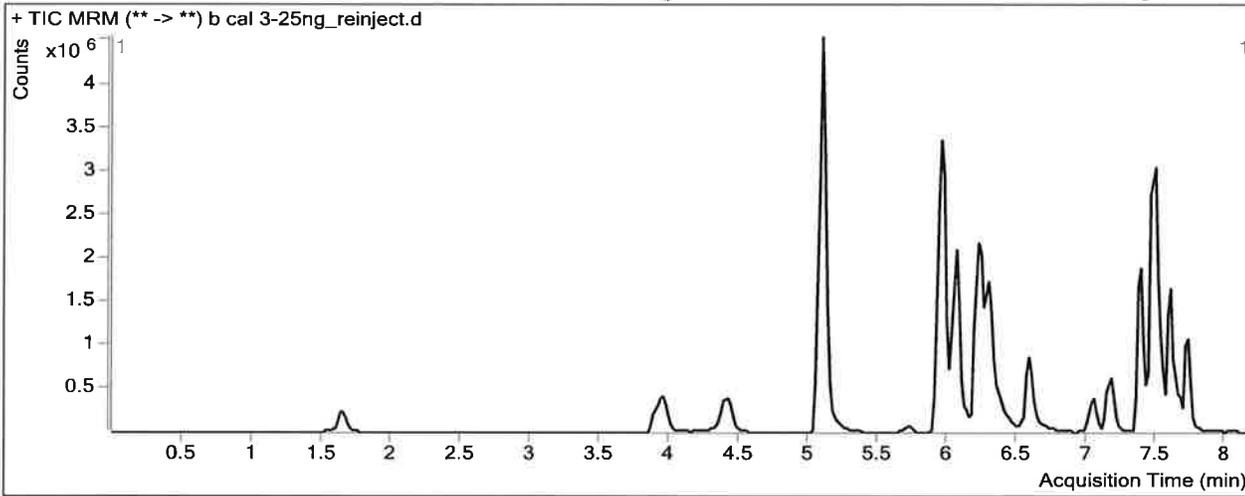
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Analysis Time 7/10/2018 11:35 AM **Analyst Name** ISUser
Report Time 7/11/2018 8:29 AM **Reporter Name** ISUser
Last Calib Update 7/10/2018 11:35 AM **Batch State** Processed

Analysis Info

Acq Time 2018-07-06 16:39 **Data File** b cal 3-25ng_reinject.d
Sample Type Calibration **Sample Name** b cal 3-25ng
Dilution 1 **Acq Method** MD Quant Panel 1b 6-14-18.m
Position P1-F12 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist 2546

Sample Chromatogram

**Calibrator was re-injected due to sample not injecting properly the first time. D*



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.648	503239	748382	0.6724	22.5561
Dihydrocodeine	Dihydrocodeine-D6	3.950	600545	1245936	0.4820	23.4656
Noroxycodone	Noroxycodone-D3	4.431	924642	1230556	0.7514	23.4564
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.098	6323877	12174174	0.5195	23.8939
Benzoylcegonine	Benzoylcegonine-d8	5.711	75441	106176	0.7105	81.4936
Ketamine	Ketamine-D4	5.941	2650087	4571149	0.5797	24.0890
Norfentanyl	Norfentanyl-D5	5.983	352528	7413403	0.0476	2.3631
Cocaine	Cocaine-d3	6.212	1146838	5863229	0.1956	25.1618
alpha-PVP	alpha-PVP-d8	6.307	1749918	3982106	0.4394	22.5150
Mirtazapine	alpha-PVP-d8	6.582	2035902	3982106	0.5113	24.2625
Norbuprenorphine	Norbuprenorphine-D3	6.974	1483	56937	0.0260	1.6157
Fentanyl	Fentanyl-D5	7.037	48823	1409478	0.0346	2.0879
Mitragynine	EDDP-D3	7.135	293460	1141536	0.2571	7.7097
EDDP	EDDP-D3	7.168	563277	1141536	0.4934	22.9581
Quetiapine	Quetiapine-D8	7.378	3637037	1590867	2.2862	23.2869
Cyclobenzaprine	Cyclobenzaprine-D3	7.452	297836	493895	0.6030	24.3223
Methadone	Methadone-D9	7.481	3256903	5045534	0.6455	25.0746
Fluoxetine	Fluoxetine-D6	7.521	264800	522179	0.5071	22.8061
Oxazepam	Oxazepam-D5	7.547	134028	341385	0.3926	22.6505

TS
D

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

b cal 3-25ng-reinject

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Buprenorphine	Buprenorphine-D4	7.555	36056	393391	0.0917	2.5950
Sertraline	Sertraline-D3	7.583	57417	110486	0.5197	24.5080
Temazepam	Temazepam-D5	7.605	1349383	2811216	0.4800	23.6109
Nordiazepam	Nordiazepam-D5	7.674	388276	401148	0.9679	23.8151
Diazepam	Diazepam-D5	7.730	834605	1317318	0.6336	24.0636

TS
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ISP FORENSICS - Pocatello Instrument # 59740

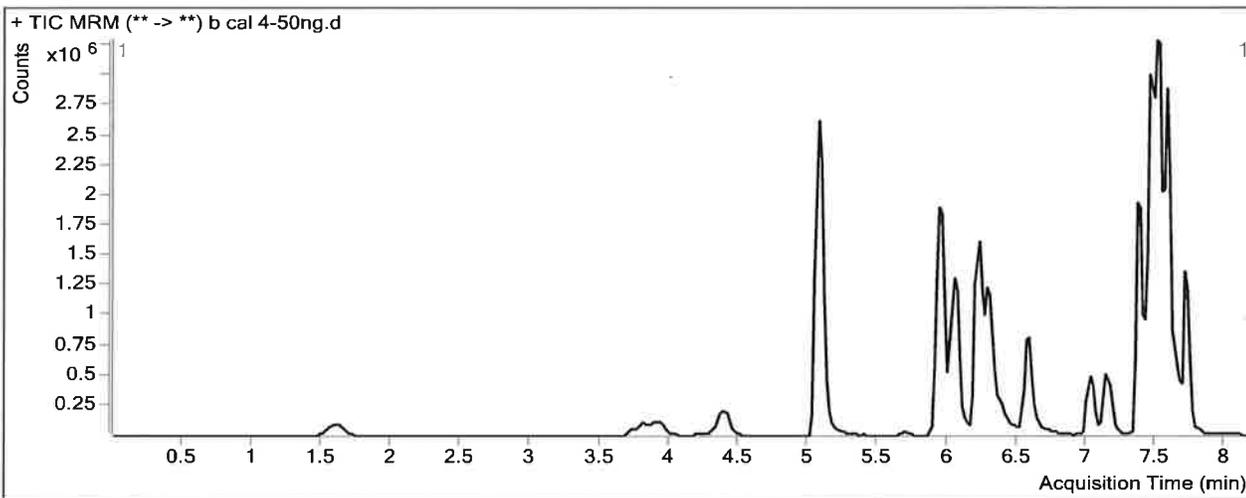
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\070518 MDQ Panel 1 TS worklist 2546\QuantResults\070518 MDQ P1b T
Analysis Time 7/10/2018 11:35 AM **Analyst Name** ISPUser
Report Time 7/11/2018 8:25 AM **Reporter Name** ISPUser
Last Calib Update 7/10/2018 11:35 AM **Batch State** Processed

Analysis Info

Acq Time 2018-07-05 15:53 **Data File** b cal 4-50ng.d
Sample Type Calibration **Sample Name** b cal 4-50ng
Dilution 1 **Acq Method** MD Quant Panel 1b 6-14-18.m
Position P1-E12 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist 2546

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.608	453639	316143	1.4349	45.6725
Dihydrocodeine	Dihydrocodeine-D6	3.930	459421	464591	0.9889	46.6078
Noroxycodone	Noroxycodone-D3	4.391	745841	491397	1.5178	45.2790
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.072	5866519	5370195	1.0924	49.7527
Benzoylcegonine	Benzoylcegonine-d8	5.711	28638	45259	0.6328	79.1135
Ketamine	Ketamine-D4	5.941	3056126	2488787	1.2280	50.5084
Norfentanyl	Norfentanyl-D5	5.983	290209	3072840	0.0944	4.4291
Cocaine	Cocaine-d3	6.212	1122050	2983481	0.3761	46.6421
alpha-PVP	alpha-PVP-d8	6.307	1925428	2072915	0.9289	46.7890
Mirtazapine	alpha-PVP-d8	6.582	2033216	2072915	0.9808	46.2744
Norbuprenorphine	Norbuprenorphine-D3	6.974	3881	35421	0.1096	5.8594
Fentanyl	Fentanyl-D5	7.037	124294	1548635	0.0803	4.6464
Mitragynine	EDDP-D3	7.115	719039	439638	1.6355	52.9147
EDDP	EDDP-D3	7.168	450128	439638	1.0239	45.0829
Quetiapine	Quetiapine-D8	7.378	4528508	889791	5.0894	52.8292
Cyclobenzaprine	Cyclobenzaprine-D3	7.452	1175481	958500	1.2264	48.5897
Methadone	Methadone-D9	7.481	4108296	3323441	1.2362	47.4189
Fluoxetine	Fluoxetine-D6	7.521	4172498	3771144	1.1064	48.9599
Oxazepam	Oxazepam-D5	7.547	145284	171428	0.8475	47.3944

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

b cal 4-50ng

B
D

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Buprenorphine	Buprenorphine-D4	7.555	83208	484866	0.1716	4.7295
Sertraline	Sertraline-D3	7.583	1654893	1616188	1.0239	46.7590
Temazepam	Temazepam-D5	7.605	1572779	1571516	1.0008	47.0351
Nordiazepam	Nordiazepam-D5	7.674	526646	255803	2.0588	48.5931
Diazepam	Diazepam-D5	7.730	1280532	995159	1.2868	47.0600

TS
D

ISP FORENSICS - Pocatello Instrument # 59740

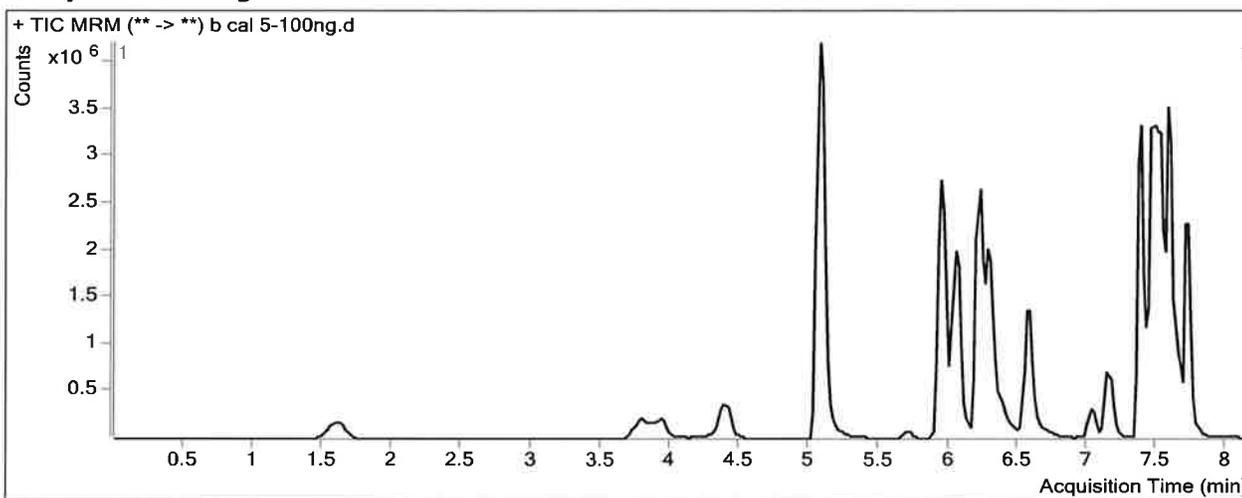
Multi-Drug Confirmatory Analysis Report

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Report Time 7/11/2018 8:25 AM **Reporter Name** ISPUser
Last Calib Update 7/10/2018 11:35 AM **Batch State** Processed

Analysis Info

Acq Time 2018-07-05 16:25 **Data File** b cal 5-100ng.d
Sample Type Calibration **Sample Name** b cal 5-100ng
Dilution 1 **Acq Method** MD Quant Panel 1b 6-14-18.m
Position P1-D12 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist 2546

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.608	1008260	321251	3.1385	97.3221
Dihydrocodeine	Dihydrocodeine-D6	3.790	1024369	471882	2.1708	100.5722
Noroxycodone	Noroxycodone-D3	4.391	1583940	478150	3.3126	96.3861
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.072	12648062	5409501	2.3381	105.9723
Benzoylcegonine	Benzoylcegonine-d8	5.690	79674	43937	1.8134	115.2410
Ketamine	Ketamine-D4	5.941	6355663	2566281	2.4766	101.3996
Norfentanyl	Norfentanyl-D5	5.983	593527	2861127	0.2074	9.4081
Cocaine	Cocaine-d3	6.212	2337268	3024064	0.7729	93.8663
alpha-PVP	alpha-PVP-d8	6.307	3901173	1857300	2.1005	104.8992
Mirtazapine	alpha-PVP-d8	6.582	3367336	1857300	1.8130	85.2830
Norbuprenorphine	Norbuprenorphine-D3	6.953	4072	21666	0.1880	9.8415
Fentanyl	Fentanyl-D5	7.037	161096	934142	0.1725	9.8167
Mitragynine	EDDP-D3	7.115	994408	362956	2.7397	89.1267
EDDP	EDDP-D3	7.168	829060	362956	2.2842	97.6532
Quetiapine	Quetiapine-D8	7.378	7914554	712747	11.1043	116.2185
Cyclobenzaprine	Cyclobenzaprine-D3	7.452	1466827	594048	2.4692	96.9746
Methadone	Methadone-D9	7.481	5850081	2113483	2.7680	105.3675
Fluoxetine	Fluoxetine-D6	7.521	5132266	2167485	2.3678	104.0069
Oxazepam	Oxazepam-D5	7.547	350413	185169	1.8924	104.2319

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

B
D
b cal 5-100ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Buprenorphine	Buprenorphine-D4	7.555	105584	298338	0.3539	9.5960
Sertraline	Sertraline-D3	7.583	2010555	978600	2.0545	92.2335
Temazepam	Temazepam-D5	7.605	3433811	1613212	2.1286	97.7577
Nordiazepam	Nordiazepam-D5	7.674	1118814	271307	4.1238	95.4970
Diazepam	Diazepam-D5	7.730	2688210	984624	2.7302	97.8772

TS
D

ISP FORENSICS - Pocatello Instrument # 59740

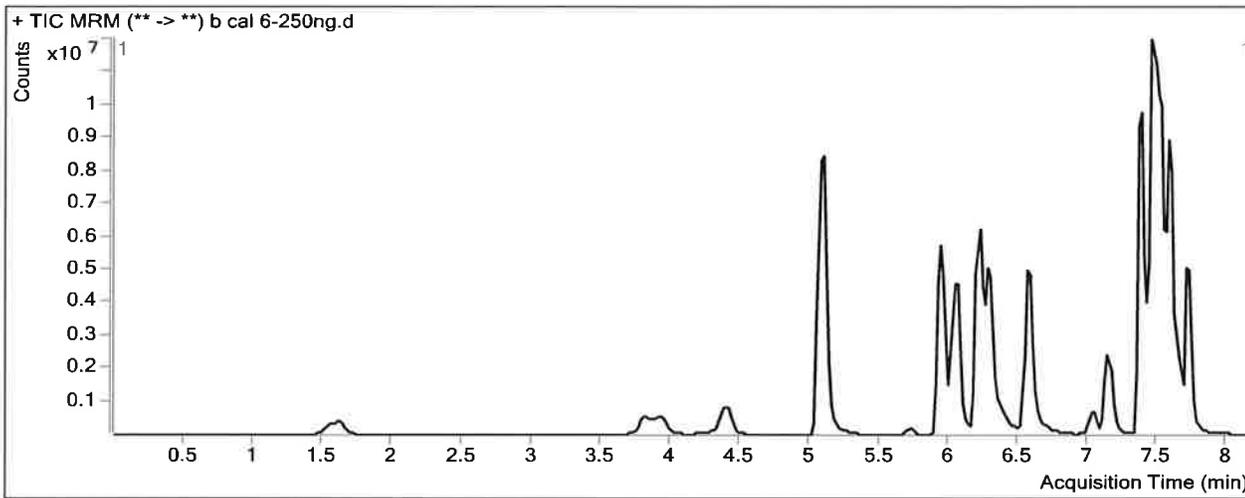
Multi-Drug Confirmatory Analysis Report

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Report Time 7/11/2018 8:26 AM **Reporter Name** ISPUser
Last Calib Update 7/10/2018 11:35 AM **Batch State** Processed

Analysis Info

Acq Time 2018-07-05 16:56 **Data File** b cal 6-250ng.d
Sample Type Calibration **Sample Name** b cal 6-250ng
Dilution 1 **Acq Method** MD Quant Panel 1b 6-14-18.m
Position P1-C12 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist 2546

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.628	2658509	337586	7.8751	240.9205
Dihydrocodeine	Dihydrocodeine-D6	3.930	2778723	497296	5.5877	256.5760
Noroxycodone	Noroxycodone-D3	4.411	4091957	477683	8.5663	245.9796
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.098	32487655	5590944	5.8108	262.6961
Benzoylcegonine	Benzoylcegonine-d8	5.711	240838	44728	5.3845	224.5200
Ketamine	Ketamine-D4	5.941	16951222	2644032	6.4111	261.7593
Norfentanyl	Norfentanyl-D5	5.983	1584680	2982697	0.5313	23.6770
Cocaine	Cocaine-d3	6.212	6309699	3159213	1.9972	239.5781
alpha-PVP	alpha-PVP-d8	6.307	10813916	2123222	5.0932	253.3344
Mirtazapine	alpha-PVP-d8	6.562	12063589	2123222	5.6817	266.6297
Norbuprenorphine	Norbuprenorphine-D3	6.953	14258	31775	0.4487	23.0885
Fentanyl	Fentanyl-D5	7.037	693762	1544933	0.4491	25.3290
Mitragynine	EDDP-D3	7.115	3895699	448664	8.6829	284.0265
EDDP	EDDP-D3	7.168	2756197	448664	6.1431	258.6154
Quetiapine	Quetiapine-D8	7.378	23770033	949502	25.0342	263.0220
Cyclobenzaprine	Cyclobenzaprine-D3	7.452	6097665	956181	6.3771	249.1134
Methadone	Methadone-D9	7.481	22941701	3301412	6.9491	263.5365
Fluoxetine	Fluoxetine-D6	7.521	19554520	3314693	5.8993	258.1182
Oxazepam	Oxazepam-D5	7.547	838229	184839	4.5349	247.9712

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

IS
↑
b cal 6-250ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Buprenorphine	Buprenorphine-D4	7.555	375741	414678	0.9061	24.3373
Sertraline	Sertraline-D3	7.583	7481469	1369084	5.4646	242.7038
Temazepam	Temazepam-D5	7.605	8426513	1576451	5.3452	242.4342
Nordiazepam	Nordiazepam-D5	7.674	2747673	253292	10.8479	248.2255
Diazepam	Diazepam-D5	7.730	6461043	959454	6.7341	238.8379

TS
P

ISP FORENSICS - Pocatello Instrument # 59740

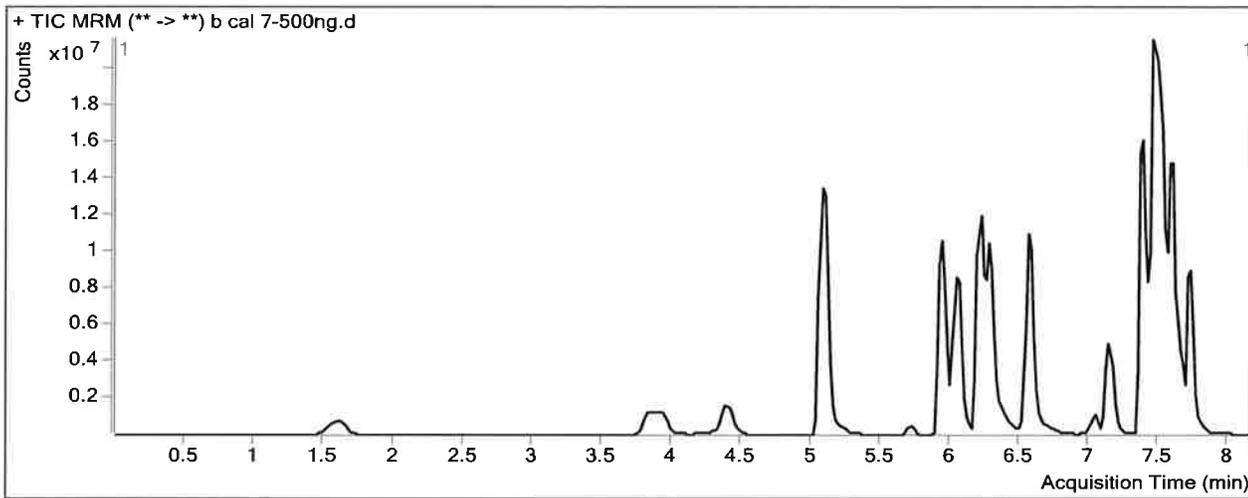
Multi-Drug Confirmatory Analysis Report

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Report Time 7/11/2018 8:26 AM **Reporter Name** ISPUser
Last Calib Update 7/10/2018 11:35 AM **Batch State** Processed

Analysis Info

Acq Time 2018-07-05 17:28 **Data File** b cal 7-500ng.d
Sample Type Calibration **Sample Name** b cal 7-500ng
Dilution 1 **Acq Method** MD Quant Panel 1b 6-14-18.m
Position P1-B12 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist 2546

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.608	5538480	328468	16.8616	513.3676
Dihydrocodeine	Dihydrocodeine-D6	3.930	5762937	514208	11.2074	513.1582
Noroxycodone	Noroxycodone-D3	4.391	7954841	443488	17.9370	512.8051
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.098	59014778	5589510	10.5581	476.9493
Benzoylcegonine	Benzoylcegonine-d8	5.711	696438	56153	12.4025	439.2709
Ketamine	Ketamine-D4	5.941	35499065	2816838	12.6025	514.0998
Norfentanyl	Norfentanyl-D5	5.983	3266703	2913571	1.1212	49.6689
Cocaine	Cocaine-d3	6.212	12913732	2980296	4.3330	517.5660
alpha-PVP	alpha-PVP-d8	6.287	22237770	2060361	10.7931	536.0473
Mirtazapine	alpha-PVP-d8	6.562	25545637	2060361	12.3986	581.4854
Norbuprenorphine	Norbuprenorphine-D3	6.953	33410	27476	1.2160	62.0655
Fentanyl	Fentanyl-D5	7.037	1602162	1608303	0.9962	56.0127
Mitragynine	EDDP-D3	7.115	7940930	440574	18.0241	590.3610
EDDP	EDDP-D3	7.168	5881757	440574	13.3502	559.2344
Quetiapine	Quetiapine-D8	7.378	40945517	915269	44.7361	470.6544
Cyclobenzaprine	Cyclobenzaprine-D3	7.452	12811177	993199	12.8989	503.0144
Methadone	Methadone-D9	7.481	43595925	3413554	12.7714	483.7950
Fluoxetine	Fluoxetine-D6	7.521	34801211	2995252	11.6188	507.7093
Oxazepam	Oxazepam-D5	7.547	1739616	179127	9.7116	529.5583

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

TS
D

b cal 7-500ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Buprenorphine	Buprenorphine-D4	7.555	604387	327296	1.8466	49.4446
Sertraline	Sertraline-D3	7.583	13893101	1247504	11.1367	492.9895
Temazepam	Temazepam-D5	7.605	16539548	1450886	11.3996	514.7409
Nordiazepam	Nordiazepam-D5	7.674	5213289	230787	22.5892	514.9141
Diazepam	Diazepam-D5	7.730	12354889	855521	14.4414	510.1792

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

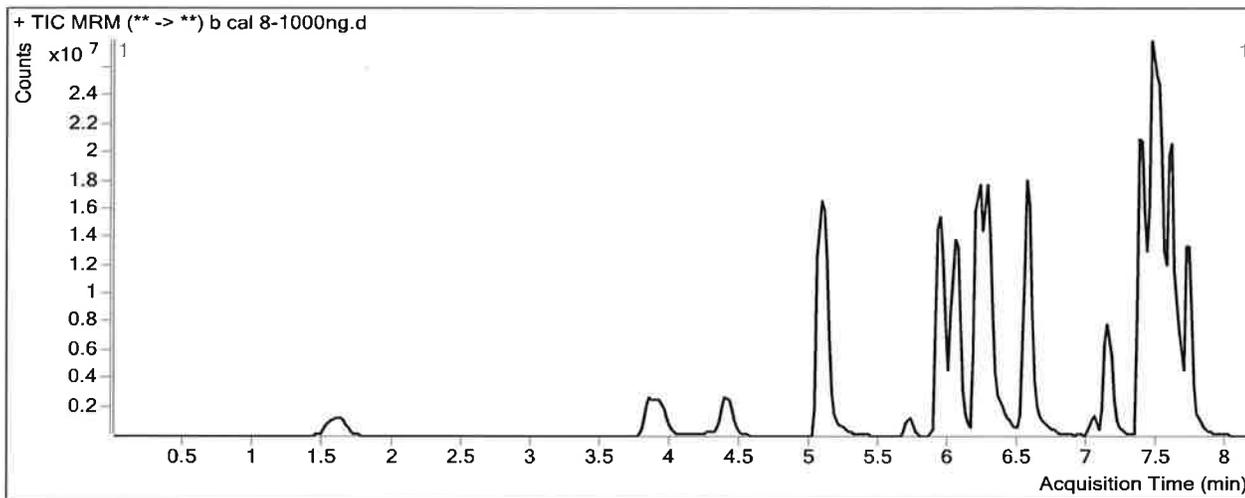
TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\070518 MDQ Panel 1 TS worklist 2546\QuantResults\070518 MDQ P1b T
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Report Time 7/11/2018 8:26 AM **Reporter Name** ISPUser
Last Calib Update 7/10/2018 11:35 AM **Batch State** Processed

Analysis Info

Acq Time 2018-07-05 17:59 **Data File** b cal 8-1000ng.d
Sample Type Calibration **Sample Name** b cal 8-1000ng
Dilution 1 **Acq Method** MD Quant Panel 1b 6-14-18.m
Position P1-A12 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist 2546

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.608	10339952	312898	33.0457	1004.0297
Dihydrocodeine	Dihydrocodeine-D6	3.870	10585069	491631	21.5305	984.4825
Noroxycodone	Noroxycodone-D3	4.391	13406496	382457	35.0536	1000.1905
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.072	84858203	5022544	16.8955	762.9594
Benzoylcegonine	Benzoylcegonine-d8	5.711	1718111	51992	33.0460	1070.9680
Ketamine	Ketamine-D4	5.941	58151863	2493492	23.3215	950.9754
Norfentanyl	Norfentanyl-D5	5.983	5860451	2517661	2.3277	102.8298
Cocaine	Cocaine-d3	6.212	22313273	2655692	8.4021	1001.8275
alpha-PVP	alpha-PVP-d8	6.287	39613068	1948763	20.3273	1008.9308
Mirtazapine	alpha-PVP-d8	6.562	42459033	1948763	21.7877	1021.6002
Norbuprenorphine	Norbuprenorphine-D3	6.953	46107	18549	2.4858	126.5727
Fentanyl	Fentanyl-D5	7.037	2365898	1201940	1.9684	110.5361
Mitragynine	EDDP-D3	7.115	11729157	434440	26.9983	884.6634
EDDP	EDDP-D3	7.148	10826538	434440	24.9207	1041.8557
Quetiapine	Quetiapine-D8	7.378	54543277	802486	67.9679	715.4883
Cyclobenzaprine	Cyclobenzaprine-D3	7.432	17859038	694109	25.7295	1002.5226
Methadone	Methadone-D9	7.481	55941241	2728613	20.5017	776.2300
Fluoxetine	Fluoxetine-D6	7.521	40456652	1796463	22.5202	983.4348
Oxazepam	Oxazepam-D5	7.547	3321725	160513	20.6944	1126.9652

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

TS D

b cal 8-1000ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Buprenorphine	Buprenorphine-D4	7.555	765929	187135	4.0929	109.4114
Sertraline	Sertraline-D3	7.583	17119196	738242	23.1891	1024.8080
Temazepam	Temazepam-D5	7.605	27554251	1242999	22.1676	999.0490
Nordiazepam	Nordiazepam-D5	7.674	8567543	196204	43.6665	993.6585
Diazepam	Diazepam-D5	7.730	19889576	697157	28.5296	1006.1669