













D

Worklist: 2579

<u>LAB_CASE</u>	<u>ITEM</u>	<u>TASK_ID</u>	<u>DESCRIPTION</u>	
M2018-2977	1	121743	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-1645	1	121745	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-1672	1	121753	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-1852	1	121741	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-1853	1	121742	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-1873	1	121744	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-1875	1	121756	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-1890	1	121746	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-1891	1	121752	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-1892	1	121755	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-1893	1	121758	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-1894	1	121757	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-1903	1	121751	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	

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

S

Extraction Date: 06/04/18

Analyst: Sarah Pickle

Plate lot#: 0530563

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

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

LCMS-QQQ ID: 59740

Pre-Analytic:

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

Analytic:

- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. Pipette **250µL blood (calibrated pipette) Pipette ID: #3** in wells of analytical (standards) plate.
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes. *Shaker ID: 067105*
- 4. Pipette **250µL 00.5M ammonium hydroxide** in wells of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 6. Transfer **300µL of blood+base** mixture to corresponding wells of SLE+ plate.
- 7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent).
(Load at 85-100 PSI- Selector to the right) Manifold ID: 067104
- 8. Wait 5 minutes.
- 9. Add **900uL ethyl acetate**.
- 10. Wait 5 minutes.
- 11. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left)*.
- 12. Add **900uL ethyl acetate**.
- 13. Wait 5 minutes.
- 14. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left)*.
- 15. Remove plate containing eluate. Place on SPE Dry and evaporate to dryness at approx. 35°C.
SPE Dry ID: 067103
- 16. Reconstitute in **100µL 20% MeOH** and heat seal plate with foil. Place in autosampler and run worklist.

Post-Analytic

- 1. Create batch and process data.
Worklist path: 071818 MDQ P1 SP Batch Name: *MDQ P1a SP, MDQ P1b SP*
- 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, codeine 25-1000, lorazepam 5-500, norhydrocodone 50-1000, oxycodone 25-1000, tramadol 5-500, venlafaxine 5-500, zolpidem 5-500, benzoylecgonine 5-100, buprenorphine 0.5-25, dihydrocodeine 25-1000, EDDP 5-500, mitragynine 5-500, norbuprenorphine 5-100, norfentanyl 1-100, o-desmethyl-tramadol 5-500, quetiapine 5-500*



Idaho State Police Forensic Services

P

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

Analyst: Sarah Pickle
Extraction Date: 07/18/18
Worklist Number: 2579

<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			
Negative Blood	361331-1		05/25/18		
Methanol External Control Solution	121217	12/12/18	12/12/17		
Blood External Control Solution	WS121217	12/12/18	12/12/17		
0.5M Ammonium Hydroxide	032918	09/29/18	03/29/18		
Formic Acid (LCMS Grade)	095180B		11/15/17		
Water (LCMS Grade)	181370		6/21/18		
Methanol (LCMS Grade)	177145		04/11/18		
Ammonium Formate (LCMS Grade)	A0287238		01/30/17		
Ammonium Hydroxide (ACS grade or better)	053200		08/03/07		
Ethyl Acetate (ACS grade or better)	100362		06/26/17		
20% LCMS Methanol in LCMS Water	071818	Make fresh	07/18/18		
5mM Ammonium Formate + 0.01% Formic Acid in Water (Mobile Phase A)	070918		07/09/18		
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		

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		

D

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

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

0.5M Ammonium Hydroxide (Lot: 032918)

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

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

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
MeOH (LCMS Grade)	Fisher	177145
Water (LCMS Grade)	Fisher	181370

5mM Ammonium Formate + 0.01% Formic Acid in Water (Lot: 070918)

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
Ammonium Formate	Arcos Organics	A0287238
LCMS Water	Fisher	181370
Formic Acid	Fisher	095180B
Prepared:	07/09/18	
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	177145
Prepared:	06/18/18	
Prepared By:	Tamara Salazar	

Needle Rinse (75% LCMS MeOH in LCMS Water) (Lot: 070518)

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
MeOH (LCMS Grade)	Fisher	177145
Water (LCMS Grade)	Fisher	181370
Prepared:	07/05/18	
Prepared By:	Tamara Salazar	

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

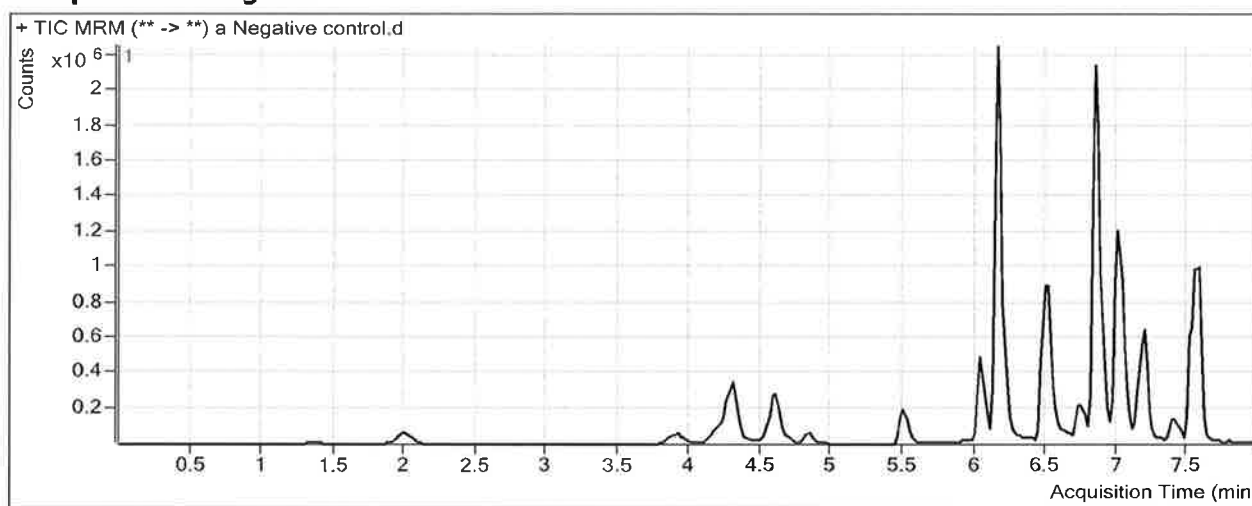
P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1a SP.batch.bin
Analysis Time 7/19/2018 2:07 PM **Analyst Name** ISUser
Report Time 7/20/2018 11:58 AM **Reporter Name** ISUser
Last Calib Update 7/19/2018 2:07 PM **Batch State** Processed

Analysis Info

Acq Time 2018-07-18 20:20 **Data File** a Negative control.d
Sample Type Sample **Sample Name** a Negative control
Dilution 1 **Acq Method** MD Quant Panel 1a 7-11-18.m
Position P1-D11 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist 2579

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Amphetamine	Amphetamine-D11	4.323	146303	395135	0.3703	2.2442 < 10

ISP FORENSICS - Pocatello Instrument # 59740

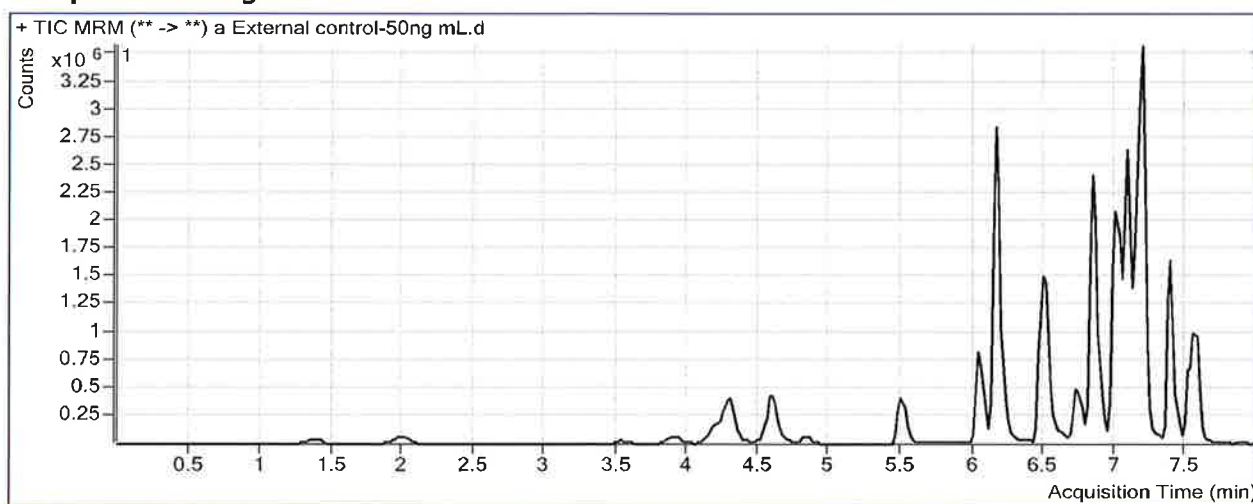
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1a SP.batch.bin
Analysis Time 7/19/2018 2:07 PM **Analyst Name** ISPUser
Report Time 7/20/2018 11:58 AM **Reporter Name** ISPUser
Last Calib Update 7/19/2018 2:07 PM **Batch State** Processed

Analysis Info

Acq Time 2018-07-18 20:52 **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 7-11-18.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	150292	59687	2.5180	38.1976
Amphetamine	Amphetamine-D11	4.323	215718	855607	0.2521	0.5258 < 10
<u>Trazodone</u>	Trazodone-D6	7.076	3857362	2984290	1.2926	41.8170

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

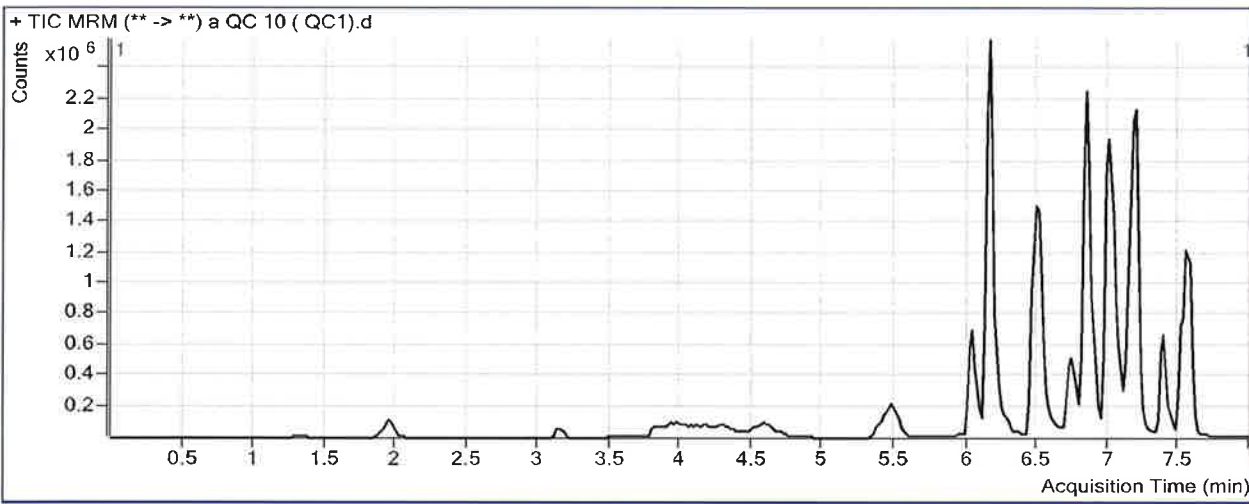
P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1a SP.batch.bin
Analysis Time 7/19/2018 2:07 PM **Analyst Name** ISPUser
Report Time 7/20/2018 11:58 AM **Reporter Name** ISPUser
Last Calib Update 7/19/2018 2:07 PM **Batch State** Processed

Analysis Info

Acq Time 2018-07-18 21:55 **Data File** a QC 10 (QC1).d
Sample Type QC **Sample Name** a QC 10 (QC1)
Dilution 1 **Acq Method** MD Quant Panel 1a 7-11-18.m
Position P1-H11 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist 2579

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.328	25929	55977	0.4632	8.1659
Hydromorphone	Hydromorphone-D6	1.969	107448	468482	0.2294	9.3248
Codeine	Codeine-D6	4.133	5212	19613	0.2657	16.9833 <i>outside curve range P</i>
Amphetamine	Amphetamine-D11	4.283	137132	73116	1.8755	24.1400
Oxycodone	Oxycodone-D6	4.330	69246	260374	0.2659	15.5575 <i>outside curve range P</i>
Hydrocodone	Hydrocodone-D6	4.635	33054	219252	0.1508	9.8482
Norhydrocodone	Norhydrocodone-D3	4.638	1377	64982	0.0212	31.5380 <i>outside curve range P</i>
Methamphetamine	Methamphetamine-D11	4.702	108857	260914	0.4172	9.9591
6-MAM	6-MAM-D6	4.829	1695	59016	0.0287	1.2084
Phentermine	Phentermine-D5	5.526	151468	1533435	0.0988	9.5953
Dextroprphan	Dextroprphan-D3	6.043	232652	2080073	0.1118	10.0768
7-aminoclonazepam	7-Aminoclonazepam-D4	6.154	205266	969489	0.2117	9.3064
Tramadol	Tramadol-13C-D3	6.180	1487163	7864415	0.1891	10.2673
Metoprolol	Tramadol-13C-D3	6.281	126735	7864415	0.0161	10.2087
Doxylamine	Doxylamine-D5	6.502	887180	5654506	0.1569	9.2798
Bupropion	Bupropion-D9	6.751	365947	1384484	0.2643	9.8171
Meprobamate	Meprobamate-D7	6.853	89253	344516	0.2591	10.0014
Zolpidem	Zolpidem-D6	6.862	1079482	7417997	0.1455	10.0428
Venlafaxine	Venlafaxine-D6	7.006	1189215	5165010	0.2302	9.6768
Trazodone	Trazodone-D6	7.076	439703	1643281	0.2676	9.5589

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report a QC10 (QC1)

B

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.139	360600	1793136	0.2011	9.9571
Dextromethorphan	Dextromethorphan-D3	7.171	142994	617999	0.2314	10.2433
Diphenhydramine	Diphenhydramine-D3	7.194	831894	4591597	0.1812	9.9130
Promethazine	Promethazine-D3	7.389	389778	1582860	0.2462	9.7835
Clonazepam	Clonazepam-D4	7.425	100132	89406	1.1200	9.8675
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.501	34136	153324	0.2226	9.9512
Carisoprodol	Carisoprodol-D7	7.534	302145	1383197	0.2184	10.6295
Lorazepam	Clonazepam-D4	7.543	32481	89406	0.3633	9.1892
Alprazolam	Alprazolam-D5	7.568	698337	2337096	0.2988	9.9678

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

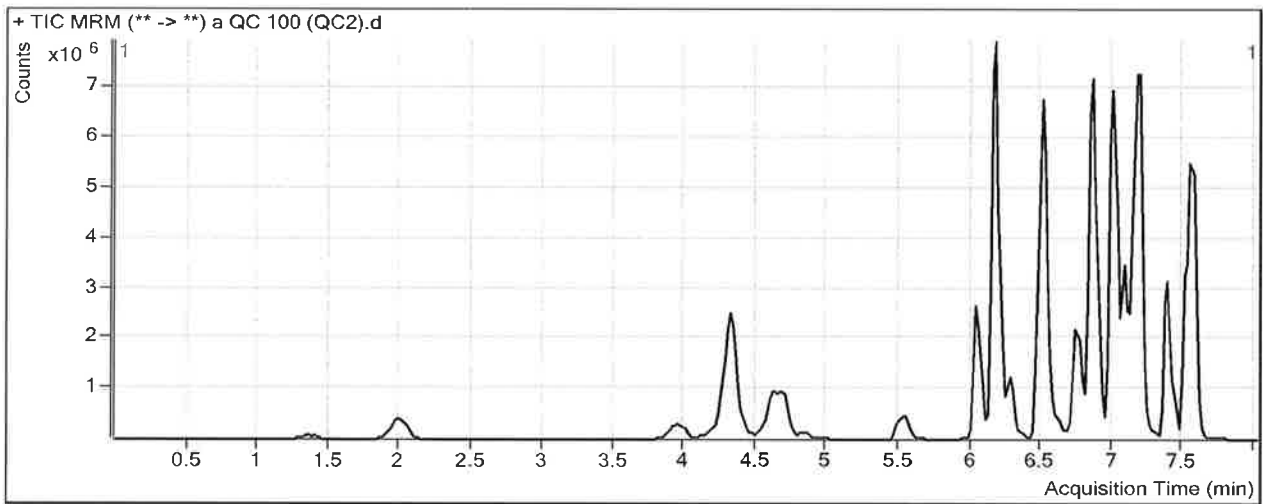
P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1a SP.batch.bin
Analysis Time 7/19/2018 2:07 PM **Analyst Name** ISPUser
Report Time 7/20/2018 11:59 AM **Reporter Name** ISPUser
Last Calib Update 7/19/2018 2:07 PM **Batch State** Processed

Analysis Info

Acq Time 2018-07-19 00:32 **Data File** a QC 100 (QC2).d
Sample Type QC **Sample Name** a QC 100 (QC2)
Dilution 1 **Acq Method** MD Quant Panel 1a 7-11-18.m
Position P1-G11 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist 2579

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.368	349859	60176	5.8140	86.3698
Hydromorphone	Hydromorphone-D6	2.009	1440378	518921	2.7757	93.6207
Codeine	Codeine-D6	3.952	579285	239087	2.4229	92.4411
Amphetamine	Amphetamine-D11	4.323	5322002	680370	7.8222	110.6403
Oxycodone	Oxycodone-D6	4.330	5417172	2067617	2.6200	99.8974
Hydrocodone	Hydrocodone-D6	4.615	1923607	1143444	1.6823	97.8217
Norhydrocodone	Norhydrocodone-D3	4.658	89563	260774	0.3435	100.6380
Methamphetamine	Methamphetamine-D11	4.702	2993348	733108	4.0831	94.7565
6-MAM	6-MAM-D6	4.849	52319	239407	0.2185	8.7107
Phentermine	Phentermine-D5	5.546	1481206	1264070	1.1718	98.4982
Dextroprphan	Dextroprphan-D3	6.043	2923706	2291164	1.2761	98.4686
7-aminoclonazepam	7-Aminoclonazepam-D4	6.154	2705026	1096701	2.4665	98.2168
Tramadol	Tramadol-13C-D3	6.180	17935784	9239071	1.9413	101.3653
Metoprolol	Tramadol-13C-D3	6.281	1587069	9239071	0.1718	101.2494
Doxylamine	Doxylamine-D5	6.502	10553328	6082118	1.7351	96.5912
Bupropion	Bupropion-D9	6.751	3709885	1270984	2.9189	85.0178
Meprobamate	Meprobamate-D7	6.853	1173356	381990	3.0717	103.9443
Zolpidem	Zolpidem-D6	6.862	13919650	8512359	1.6352	102.0225
Venlafaxine	Venlafaxine-D6	7.006	14376725	5529786	2.5999	102.5235
Trazodone	Trazodone-D6	7.076	5208857	1785742	2.9169	92.9388

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

QC 100 (QC2)

D

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.139	4375666	2076091	2.1076	93.2119
Dextromethorphan	Dextromethorphan-D3	7.171	1785851	658586	2.7116	94.0851
Diphenhydramine	Diphenhydramine-D3	7.194	9600796	4829692	1.9879	101.6655
Promethazine	Promethazine-D3	7.389	6304317	2327301	2.7089	105.2271
Clonazepam	Clonazepam-D4	7.425	1447805	114044	12.6952	96.9976
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.501	447276	188234	2.3762	91.9602
Carisoprodol	Carisoprodol-D7	7.514	3553084	1571416	2.2611	94.4316
Lorazepam	Clonazepam-D4	7.543	456129	114044	3.9996	85.5428
Alprazolam	Alprazolam-D5	7.568	8524242	2602912	3.2749	92.2737

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

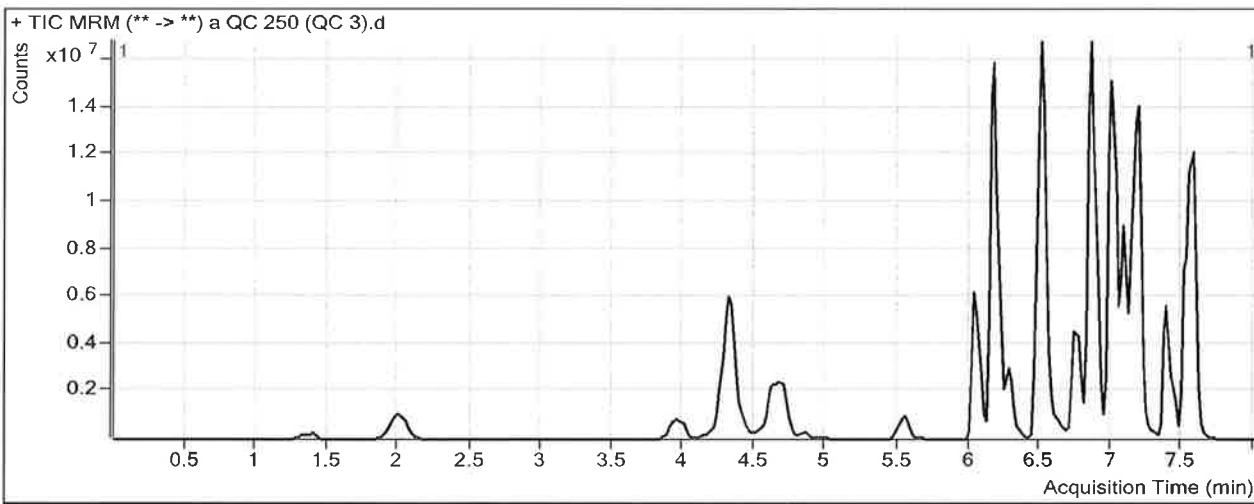
P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1a SP.batch.bin
Analysis Time 7/19/2018 2:07 PM **Analyst Name** ISPUser
Report Time 7/20/2018 12:00 PM **Reporter Name** ISPUser
Last Calib Update 7/19/2018 2:07 PM **Batch State** Processed

Analysis Info

Acq Time 2018-07-19 04:12 **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 7-11-18.m
Position P1-F11 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist 2579

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.368	1012153	59315	17.0639	250.7934
Hydromorphone	Hydromorphone-D6	2.009	4086873	531380	7.6911	256.3399
Codeine	Codeine-D6	3.952	1659205	242482	6.8426	247.0414
Amphetamine	Amphetamine-D11	4.323	12389491	675256	18.3479	263.7460
Oxycodone	Oxycodone-D6	4.330	15240653	2245754	6.7864	249.1698
Hydrocodone	Hydrocodone-D6	4.615	5338685	1173812	4.5482	262.4411
Norhydrocodone	Norhydrocodone-D3	4.658	267799	254377	1.0528	252.7312
Methamphetamine	Methamphetamine-D11	4.702	7817601	692626	11.2869	261.3919
6-MAM	6-MAM-D6	4.849	167980	255381	0.6578	26.0705
Phentermine	Phentermine-D5	5.546	3782838	1299415	2.9112	242.6165
Dextroprphan	Dextroprphan-D3	6.043	7997417	2443363	3.2731	250.0895
7-aminoclonazepam	7-Aminoclonazepam-D4	6.154	6990605	1093890	6.3906	252.9506
Tramadol	Tramadol-13C-D3	6.180	44823317	9821730	4.5637	237.7053
Metoprolol	Tramadol-13C-D3	6.281	4231656	9821730	0.4308	252.7674
Doxylamine	Doxylamine-D5	6.502	30848481	6441629	4.7889	265.5323
Bupropion	Bupropion-D9	6.751	8759631	1033532	8.4754	242.4265
Meprobamate	Meprobamate-D7	6.853	3175739	396211	8.0153	269.0616
Zolpidem	Zolpidem-D6	6.862	38611838	9042647	4.2700	264.7007
Venlafaxine	Venlafaxine-D6	7.006	37477206	5643189	6.6411	260.8687
Trazodone	Trazodone-D6	7.076	13706112	1729434	7.9252	250.5595

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

QC 250 (QC 3)

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.139	10260982	1799570	5.7019	250.1657
Dextromethorphan	Dextromethorphan-D3	7.171	3869219	568962	6.8005	232.3030
Diphenhydramine	Diphenhydramine-D3	7.194	21862287	4180672	5.2294	266.2845
Promethazine	Promethazine-D3	7.389	12796163	1800597	7.1066	275.6724
Clonazepam	Clonazepam-D4	7.425	3894934	119183	32.6803	247.4321
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.501	1288722	205754	6.2634	239.9905
Carisoprodol	Carisoprodol-D7	7.534	8952345	1414824	6.3275	261.2646
Lorazepam	Clonazepam-D4	7.543	1425336	119183	11.9592	252.6765
Alprazolam	Alprazolam-D5	7.568	21114529	2387578	8.8435	246.2780

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

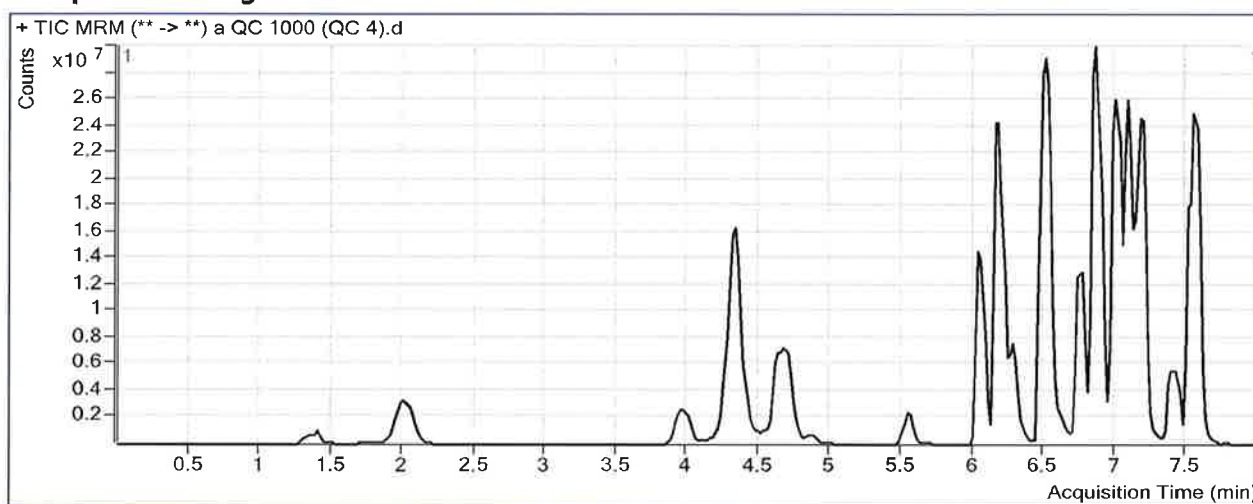
P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1a SP.batch.bin
Analysis Time 7/19/2018 2:07 PM **Analyst Name** ISUser
Report Time 7/20/2018 12:00 PM **Reporter Name** ISUser
Last Calib Update 7/19/2018 2:07 PM **Batch State** Processed

Analysis Info

Acq Time 2018-07-19 05:46 **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 7-11-18.m
Position P1-E11 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist 2579

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.368	3817420	60610	62.9832	921.9262
Hydromorphone	Hydromorphone-D6	2.009	14429069	438353	32.9166	1091.4150
Codeine	Codeine-D6	3.972	5203393	185977	27.9787	986.3816
Amphetamine	Amphetamine-D11	4.323	30091957	503099	59.8132	866.9007
Oxycodone	Oxycodone-D6	4.330	53069666	1856671	28.5832	1030.0943
Hydrocodone	Hydrocodone-D6	4.635	17781213	966912	18.3897	1057.5180
Norhydrocodone	Norhydrocodone-D3	4.678	809013	158479	5.1049	1121.5949
Methamphetamine	Methamphetamine-D11	4.702	23072554	512586	45.0120	1041.5061
6-MAM	6-MAM-D6	4.849	605975	209048	2.8987	114.6423
Phentermine	Phentermine-D5	5.546	10561101	941181	11.2211	931.1324
Dextropropranolol	Dextropropranolol-D3	6.043	22906411	1586247	14.4406	1097.9589
7-aminoclonazepam	7-Aminoclonazepam-D4	6.154	17887940	729841	24.5094	967.4073
Tramadol	Tramadol-13C-D3	6.180	85351521	7035402	12.1317	631.1727 <i>outside P curve range</i>
Metoprolol	Tramadol-13C-D3	6.281	11487868	7035402	1.6329	955.7772
Doxylamine	Doxylamine-D5	6.502	71306238	5162096	13.8134	764.7847
Bupropion	Bupropion-D9	6.771	25928868	732814	35.3826	1004.6688
Meprobamate	Meprobamate-D7	6.853	8685823	266074	32.6443	1091.6825
Zolpidem	Zolpidem-D6	6.862	83391007	6935718	12.0234	743.4254 <i>outside P curve range</i>
Venlafaxine	Venlafaxine-D6	7.006	77264138	4316639	17.8991	701.9801
Trazodone	Trazodone-D6	7.076	46332922	1432507	32.3439	1019.0656

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report a QC 1000 (QC 4) P

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.139	21913838	927712	23.6214	1032.6709
Dextromethorphan	Dextromethorphan-D3	7.171	6477736	215947	29.9969	1016.4267
Diphenhydramine	Diphenhydramine-D3	7.194	42770495	2091912	20.4456	1039.0400
Promethazine	Promethazine-D3	7.389	13754020	442663	31.0711	1204.4692
Clonazepam	Clonazepam-D4	7.425	11651504	84240	138.3139	1042.5700
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.501	4388128	164613	26.6572	1016.6112
Carisoprodol	Carisoprodol-D7	7.514	21481463	795181	27.0145	1109.9813
Lorazepam	Clonazepam-D4	7.543	5050618	84240	59.9554	1260.4844
Alprazolam	Alprazolam-D5	7.568	46056301	1397904	32.9467	912.8713

outside P
curve range

ISP Forensics Calibration Curve Report

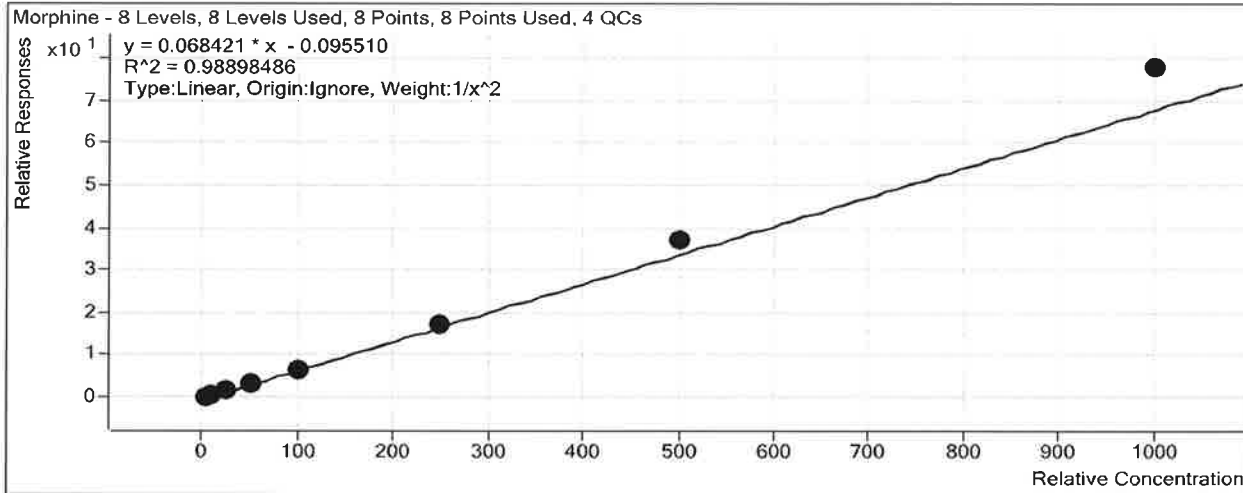
P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1a SP.batch.bin

Last Calib Update 7/19/2018 2:07 PM

Analyst Name ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.3	106.9
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.3	92.8
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	8.2	81.7
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	21.8	87.2
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.3	92.6
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	96.5	96.5
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	86.4	86.4
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	255.2	102.1
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	250.8	100.3
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	541.2	108.2
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1136.5	113.6
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	921.9	92.2

ISP Forensics Calibration Curve Report

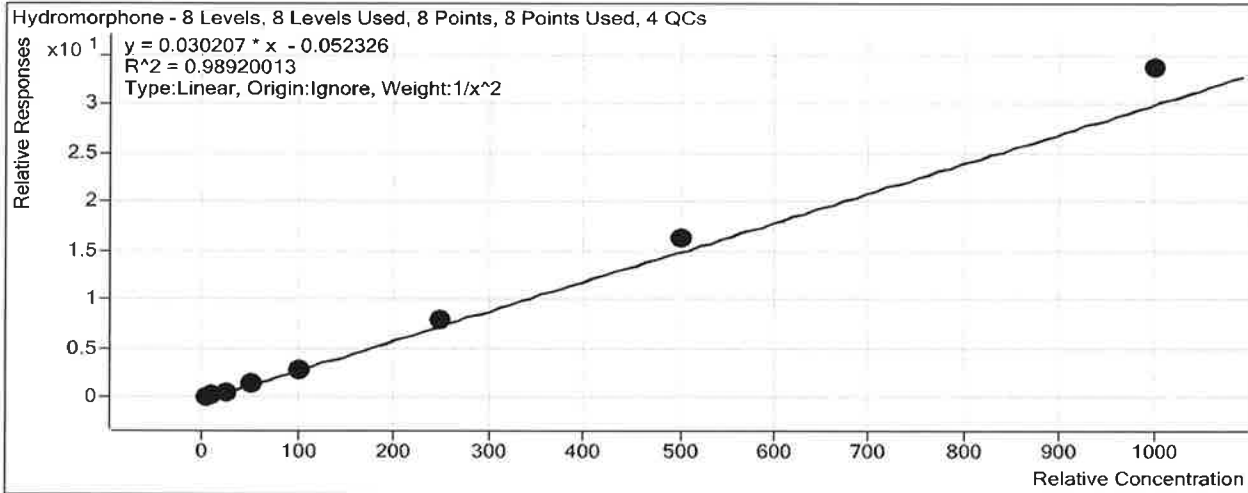
P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1a SP.batch.bin

Last Calib Update 7/19/2018 2:07 PM

Analyst Name ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.3	106.6
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.4	94.0
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.3	93.2
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	21.3	85.4
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.7	93.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	96.4	96.4
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	93.6	93.6
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	260.6	104.3
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	256.3	102.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	542.3	108.5
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1116.3	111.6
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1091.4	109.1

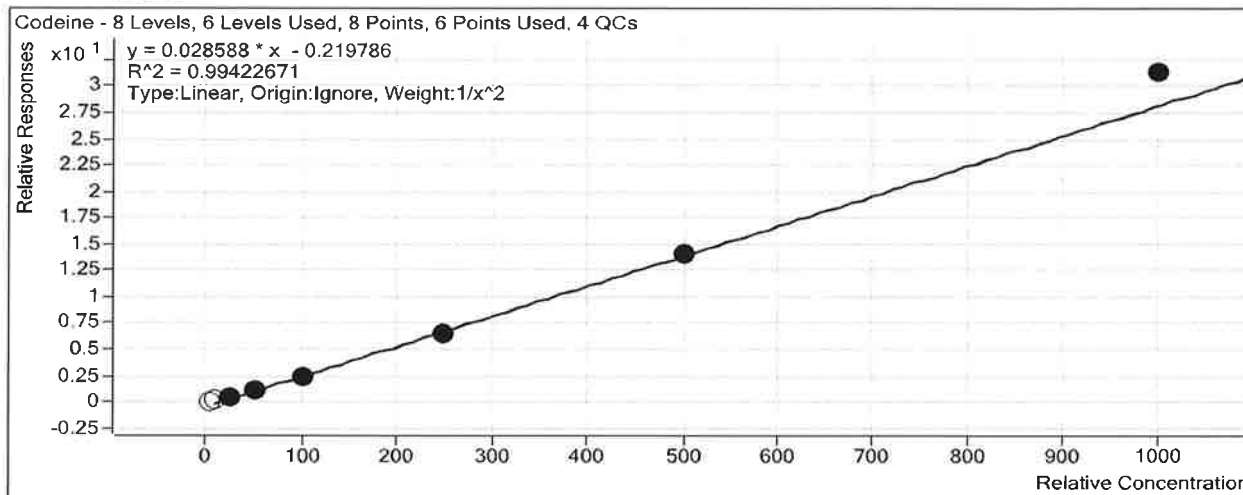
ISP Forensics Calibration Curve Report

D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1a SP.batch.bin

Last Calib Update 7/19/2018 2:07 PM **Analyst Name** ISP TOX

Target Compound Codeine
Internal Standard Codeine-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input type="checkbox"/>	5	11.2	224.8
a cal 2-10ng	2	<input type="checkbox"/>	10	14.9	149.3
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	17.0	169.8
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.5	102.2
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.6	99.2
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	94.5	94.5
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	92.4	92.4
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	233.3	93.3
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	247.0	98.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	502.6	100.5
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1102.9	110.3
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	986.4	98.6

ISP Forensics Calibration Curve Report

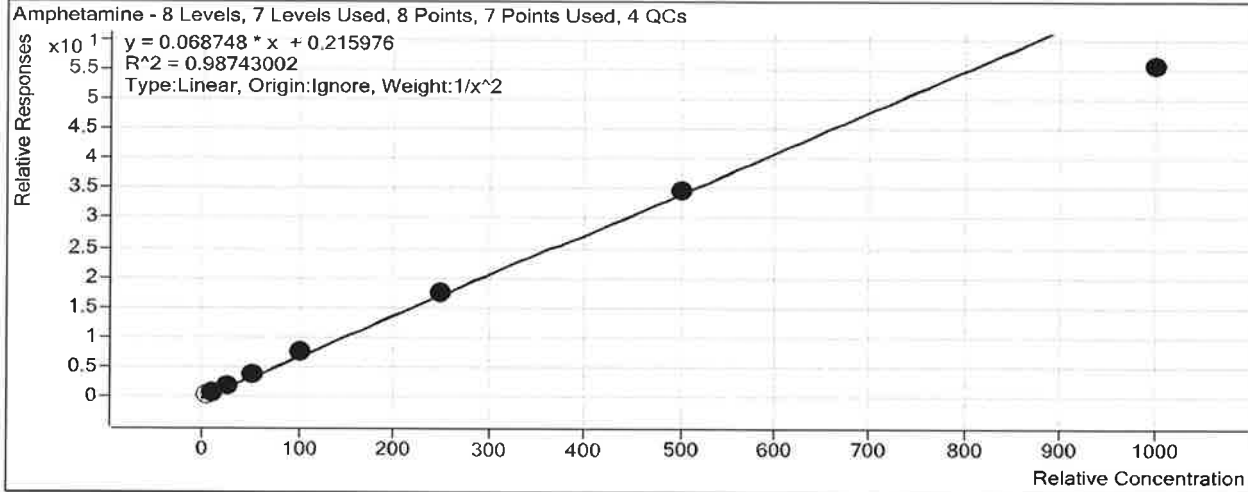
D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1a SP.batch.bin

Last Calib Update 7/19/2018 2:07 PM

Analyst Name ISP TOX

Target Compound Amphetamine
Internal Standard Amphetamine-D11



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input type="checkbox"/>	5	5.1	102.1
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	95.8
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	24.1	241.4
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.3	105.1
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	53.1	106.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	109.8	109.8
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	110.6	110.6
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	254.4	101.7
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	263.7	105.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	503.8	100.8
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	805.1	80.5
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	866.9	86.7

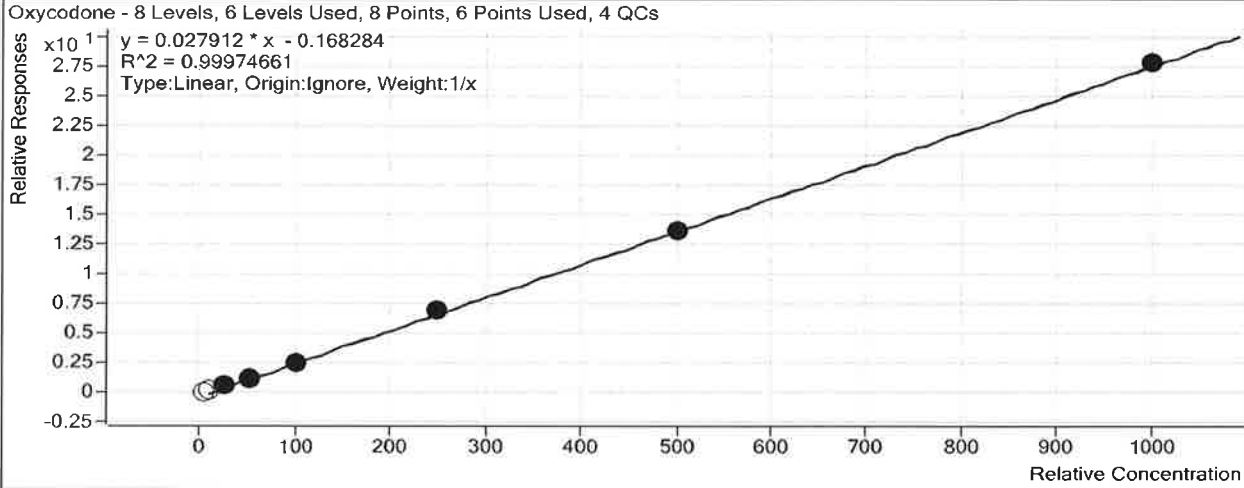
ISP Forensics Calibration Curve Report

A

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1a SP.batch.bin

Last Calib Update 7/19/2018 2:07 PM **Analyst Name** ISP TOX

Target Compound Oxycodone
Internal Standard Oxycodone-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input type="checkbox"/>	5	9.7	193.7
a cal 2-10ng	2	<input type="checkbox"/>	10	13.3	133.1
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	15.6	155.6
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.3	101.3
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.5	103.0
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	94.8	94.8
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	99.9	99.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	252.7	101.1
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	249.2	99.7
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	497.4	99.5
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1003.2	100.3
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1030.1	103.0

ISP Forensics Calibration Curve Report

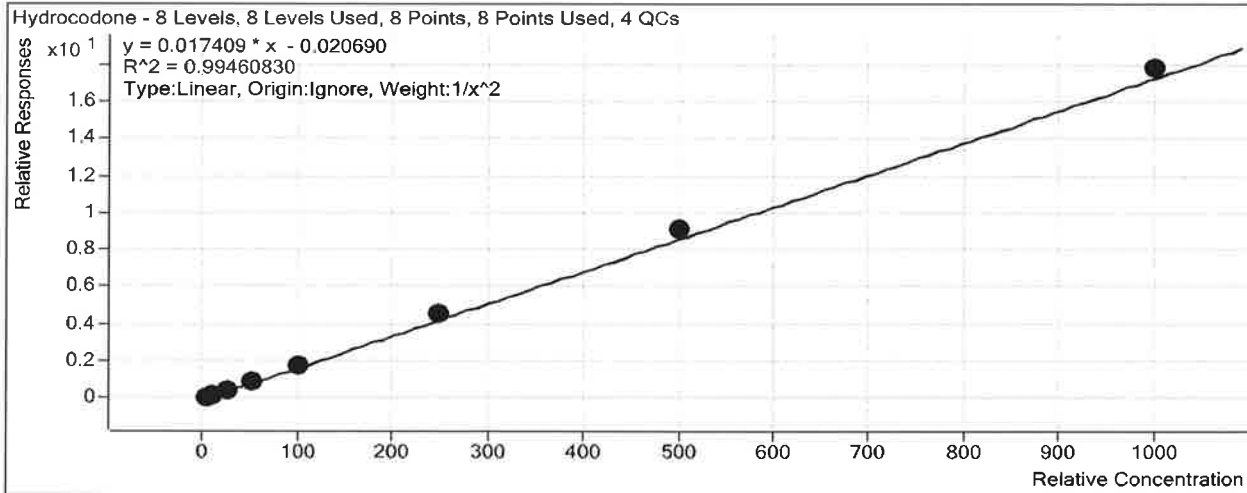
P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1a SP.batch.bin

Last Calib Update 7/19/2018 2:07 PM

Analyst Name ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.3	105.3
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.4	94.2
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.8	98.5
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.0	88.2
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.1	98.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.5	99.5
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	97.8	97.8
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	267.3	106.9
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	262.4	105.0
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	526.1	105.2
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1024.2	102.4
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1057.5	105.8

ISP Forensics Calibration Curve Report

D

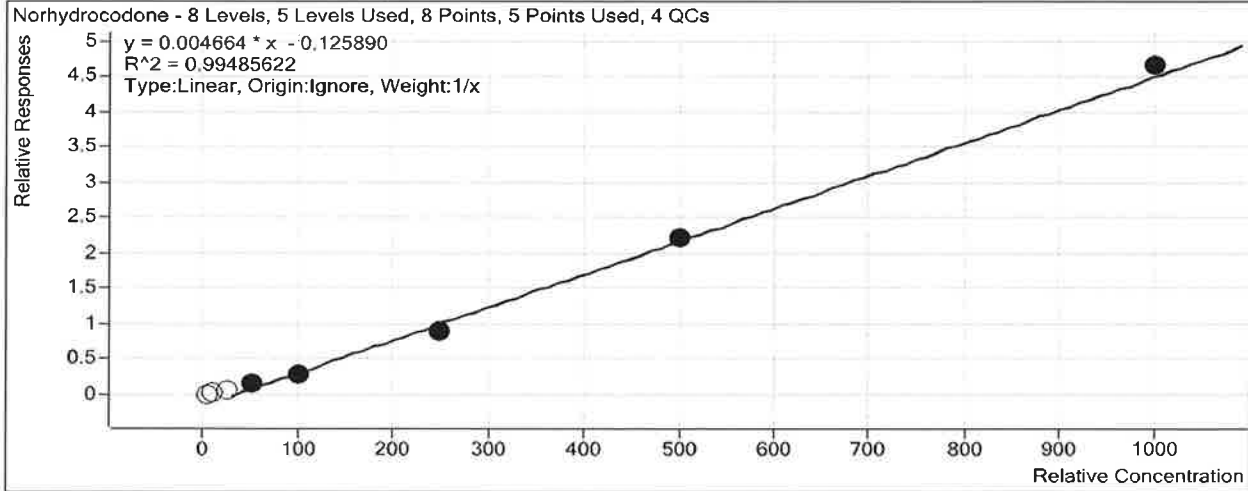
Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1a SP.batch.bin

Last Calib Update 7/19/2018 2:07 PM

Analyst Name ISP TOX

Target Compound *Norhydrocodone*

Internal Standard *Norhydrocodone-D3*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input type="checkbox"/>	5	29.9	597.5
a cal 2-10ng	2	<input type="checkbox"/>	10	32.4	323.9
a QC 10 (QC1)	2	<input type="checkbox"/>	10	31.5	315.4
a cal 3-25ng	3	<input type="checkbox"/>	25	42.0	167.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	58.7	117.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	91.0	91.0
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	100.6	100.6
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	221.3	88.5
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	252.7	101.1
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	502.3	100.5
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1026.7	102.7
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1121.6	112.2

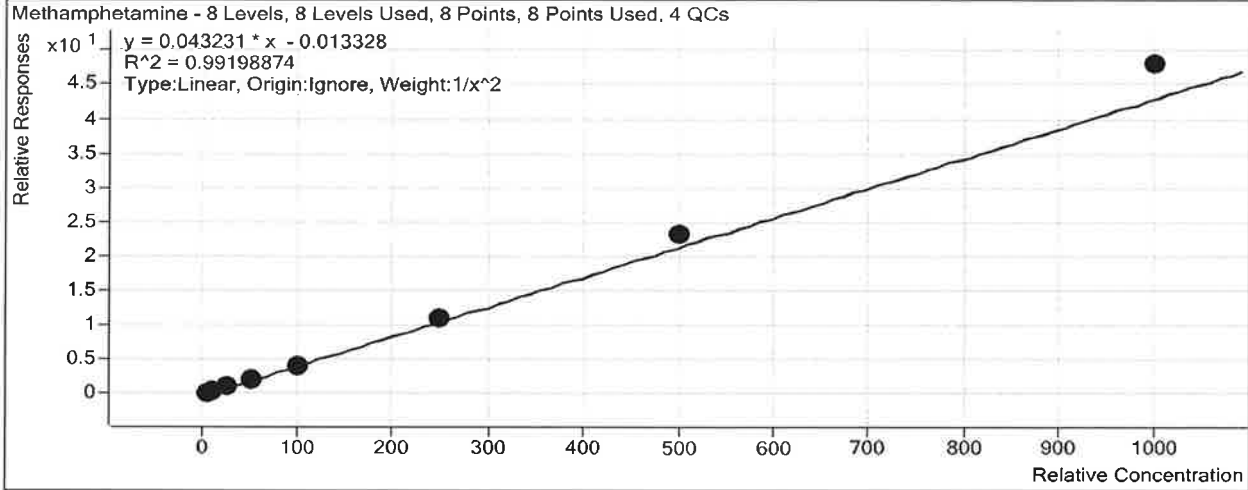
ISP Forensics Calibration Curve Report

D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1a SP.batch.bin

Last Calib Update 7/19/2018 2:07 PM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.3	106.7
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.1	91.3
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.0	99.6
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.8	91.2
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.2	94.4
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	96.0	96.0
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	94.8	94.8
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	254.7	101.9
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	261.4	104.6
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	537.3	107.5
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1110.4	111.0
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1041.5	104.2

ISP Forensics Calibration Curve Report

D

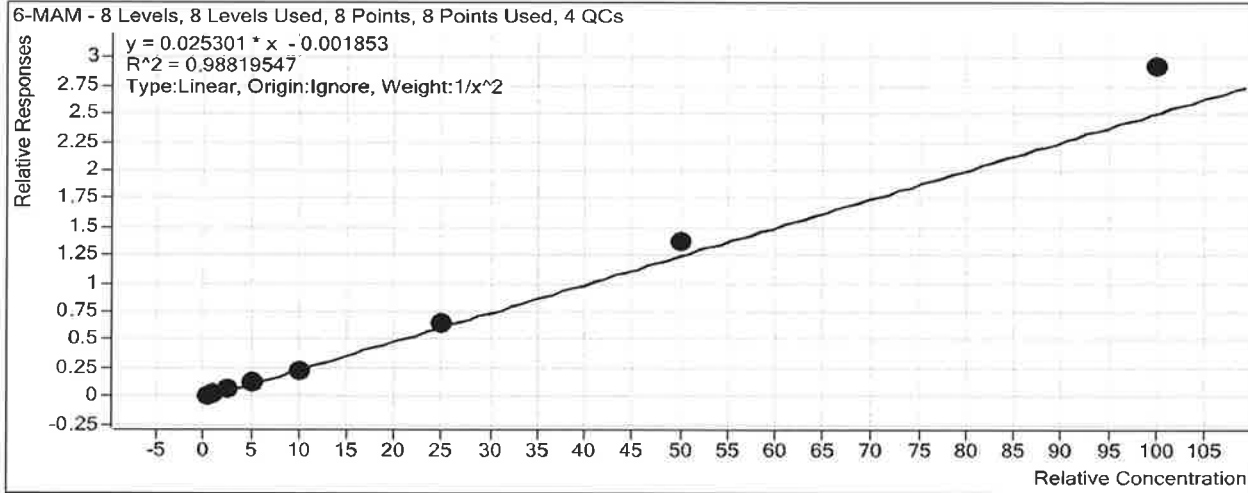
Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1a SP.batch.bin

Last Calib Update 7/19/2018 2:07 PM

Analyst Name ISP TOX

Target Compound 6-MAM

Internal Standard 6-MAM-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	0.5	0.5	105.6
a cal 2-10ng	2	<input checked="" type="checkbox"/>	1	0.9	93.7
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	1	1.2	120.8
a cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.3	93.1
a cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.6	91.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	10	8.9	88.7
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	10	8.7	87.1
a cal 6-250ng	6	<input checked="" type="checkbox"/>	25	25.8	103.1
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	25	26.1	104.3
a cal 7-500ng	7	<input checked="" type="checkbox"/>	50	54.1	108.3
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	115.5	115.5
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	100	114.6	114.6

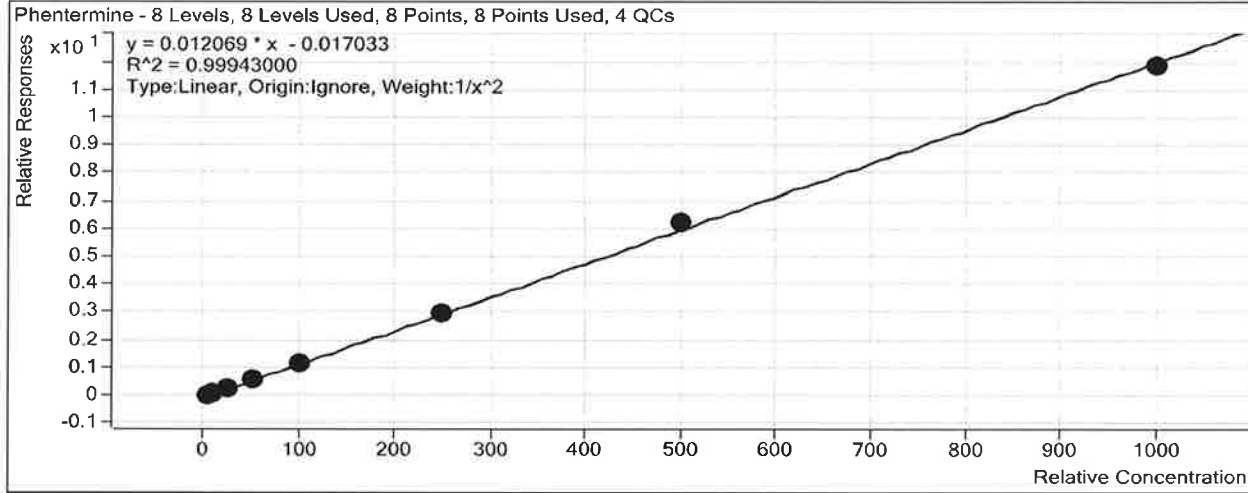
ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1a SP.batch.bin

Last Calib Update 7/19/2018 2:07 PM

Analyst Name ISP TOX

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



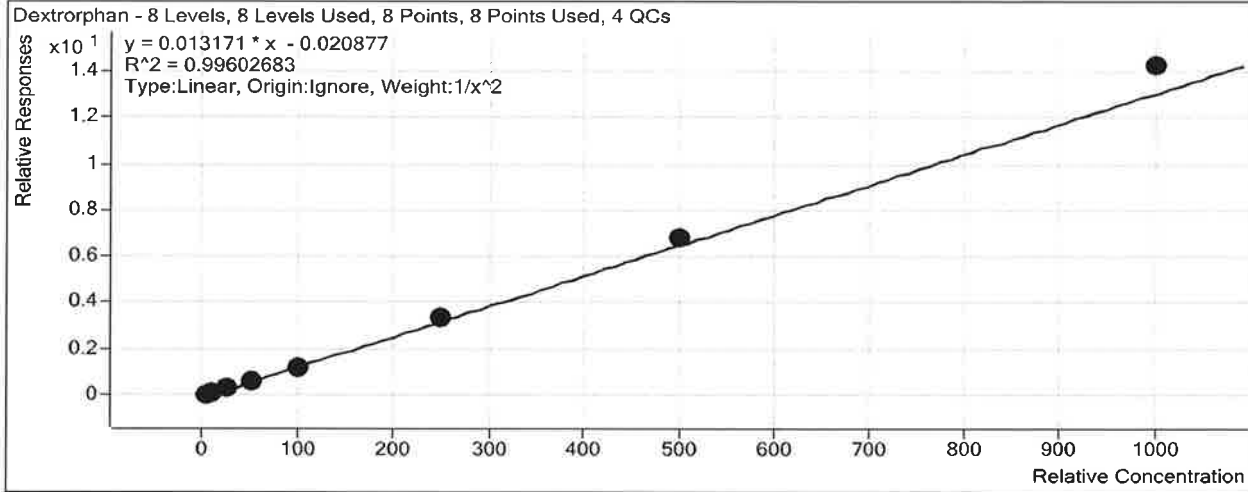
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.2
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	100.1
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.6	96.0
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.5	98.0
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.3	102.6
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.7	98.7
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	98.5	98.5
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	246.6	98.6
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	242.6	97.0
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	517.8	103.6
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	982.8	98.3
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	931.1	93.1

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1a SP.batch.bin

Last Calib Update 7/19/2018 2:07 PM **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	5.1	102.8
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	98.6
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.1	100.8
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.8	91.1
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.8	97.5
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	95.3	95.3
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	98.5	98.5
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	254.6	101.8
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	250.1	100.0
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	522.0	104.4
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1083.9	108.4
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1098.0	109.8

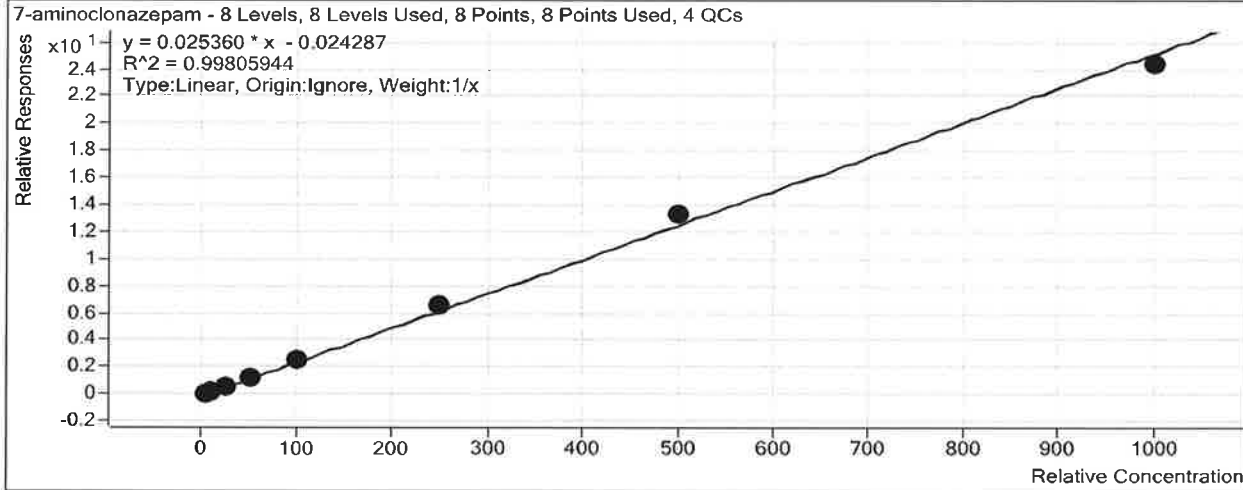
ISP Forensics Calibration Curve Report

D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1a SP.batch.bin

Last Calib Update 7/19/2018 2:07 PM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	99.1
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.5	95.0
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.3	93.1
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.7	94.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.3	102.6
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.6	102.6
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	98.2	98.2
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	262.8	105.1
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	253.0	101.2
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	523.6	104.7
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	961.6	96.2
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	967.4	96.7

ISP Forensics Calibration Curve Report

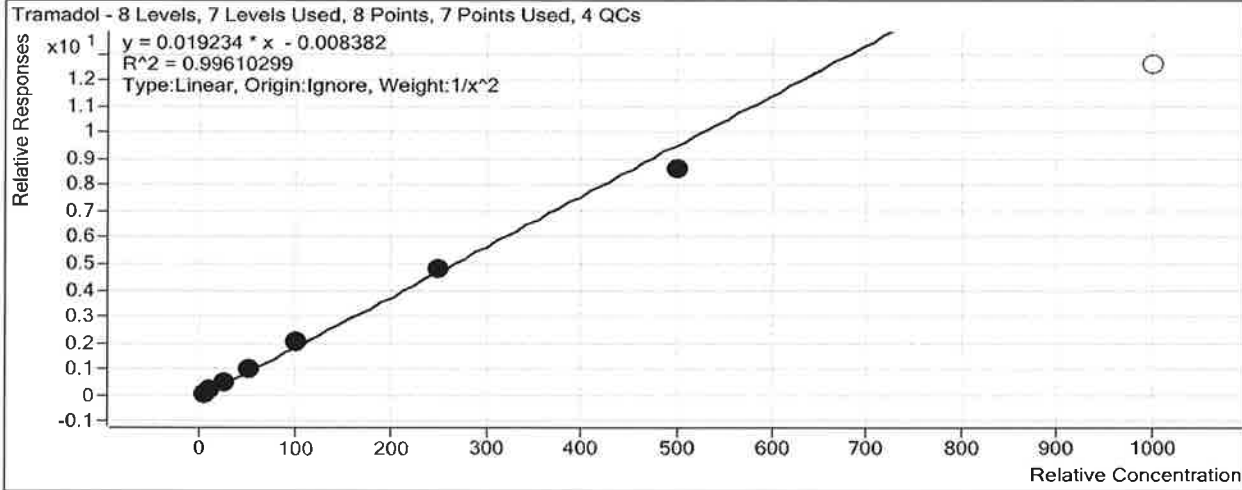
D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1a SP.batch.bin

Last Calib Update 7/19/2018 2:07 PM

Analyst Name ISP TOX

Target Compound Tramadol
Internal Standard Tramadol-13C-D3



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	99.1
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	101.0
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.3	102.7
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.6	98.5
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.5	104.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	106.1	106.1
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	101.4	101.4
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	251.0	100.4
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	237.7	95.1
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	449.6	89.9
a cal 8-1000ng	8	<input type="checkbox"/>	1000	655.7	65.6
a QC 1000 (QC 4)	8	<input type="checkbox"/>	1000	631.2	63.1

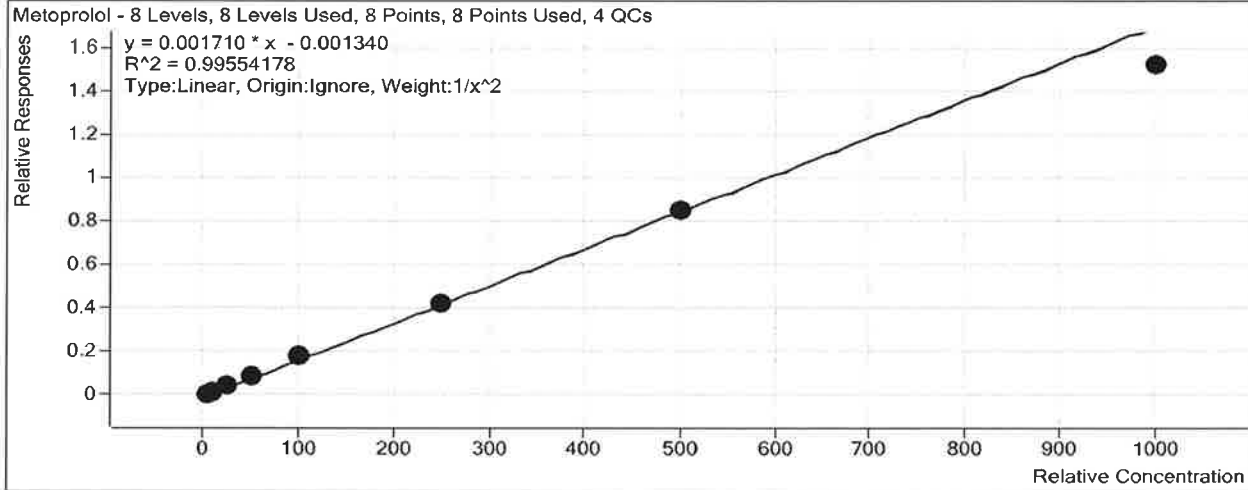
ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1a SP.batch.bin

Last Calib Update 7/19/2018 2:07 PM

Analyst Name ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	101.0
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	95.8
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.2	102.1
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.2	100.8
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	53.3	106.7
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	106.9	106.9
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	101.2	101.2
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	249.6	99.9
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	252.8	101.1
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	500.6	100.1
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	888.2	88.8
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	955.8	95.6

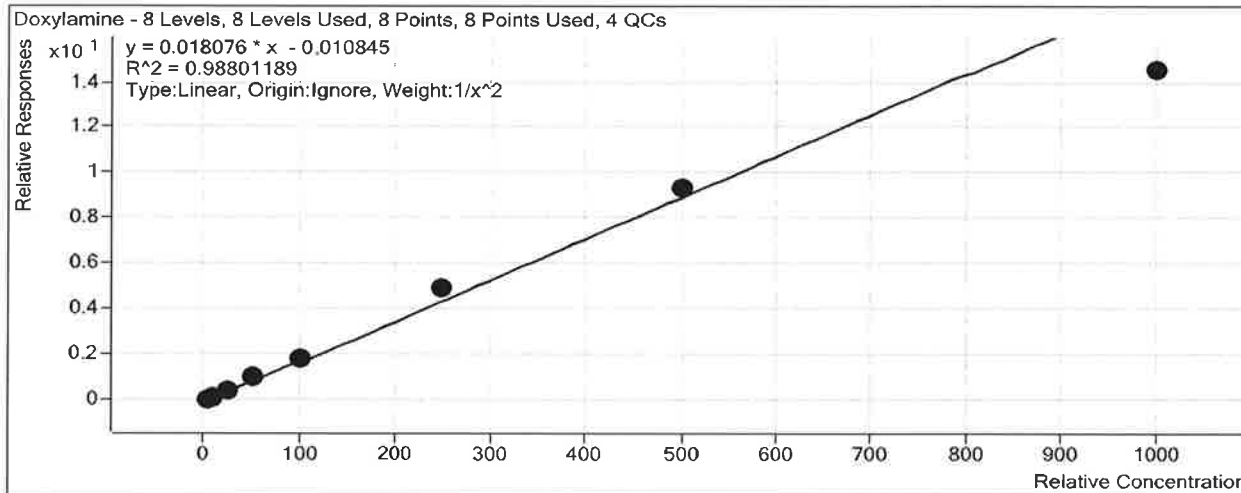
ISP Forensics Calibration Curve Report

D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1a SP.batch.bin

Last Calib Update 7/19/2018 2:07 PM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	99.5
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	100.3
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.3	92.8
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.9	95.5
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	55.4	110.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.1	100.1
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	96.6	96.6
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	275.6	110.2
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	265.5	106.2
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	516.3	103.3
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	803.3	80.3
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	764.8	76.5

ISP Forensics Calibration Curve Report

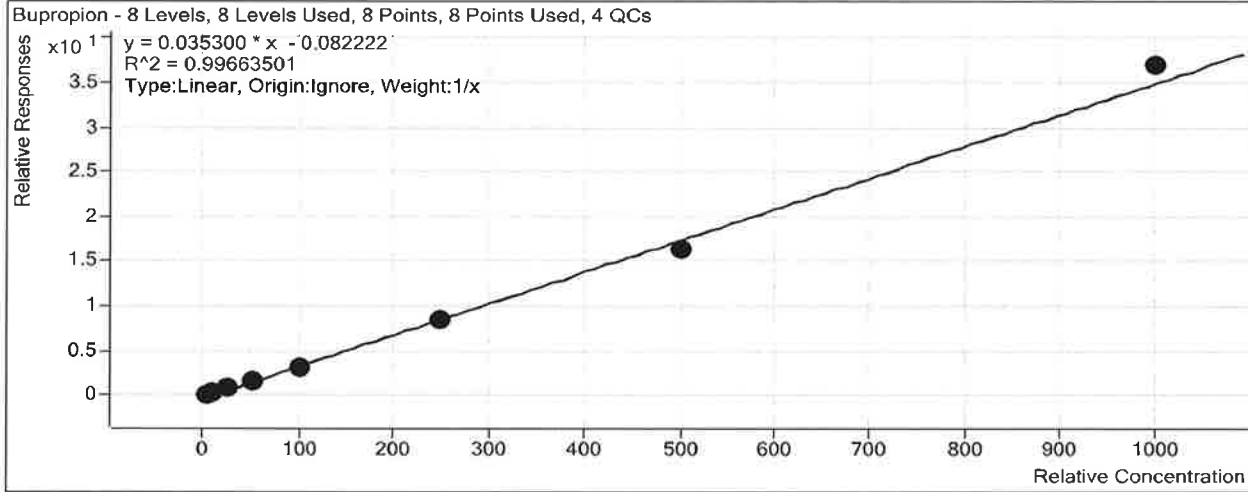
B

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1a SP.batch.bin

Last Calib Update 7/19/2018 2:07 PM

Analyst Name ISP TOX

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



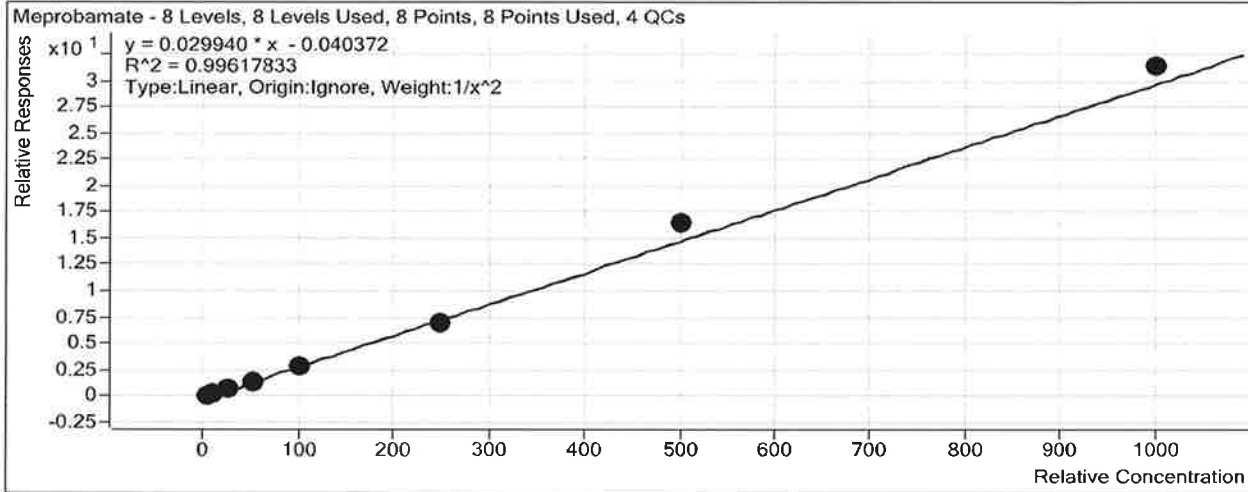
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	6.0	119.5
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.2	101.7
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.8	98.2
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.9	95.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.0	98.1
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	88.6	88.6
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	85.0	85.0
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	244.2	97.7
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	242.4	97.0
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	469.2	93.8
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1048.8	104.9
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1004.7	100.5

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1a SP.batch.bin

Last Calib Update 7/19/2018 2:07 PM **Analyst Name** ISP TOX

Target Compound Meprobamate
Internal Standard Meprobamate-D7



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	101.7
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	98.5
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.0	100.0
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.5	97.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.6	97.2
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	95.0	95.0
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	103.9	103.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	236.4	94.6
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	269.1	107.6
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	551.5	110.3
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1049.0	104.9
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1091.7	109.2

ISP Forensics Calibration Curve Report

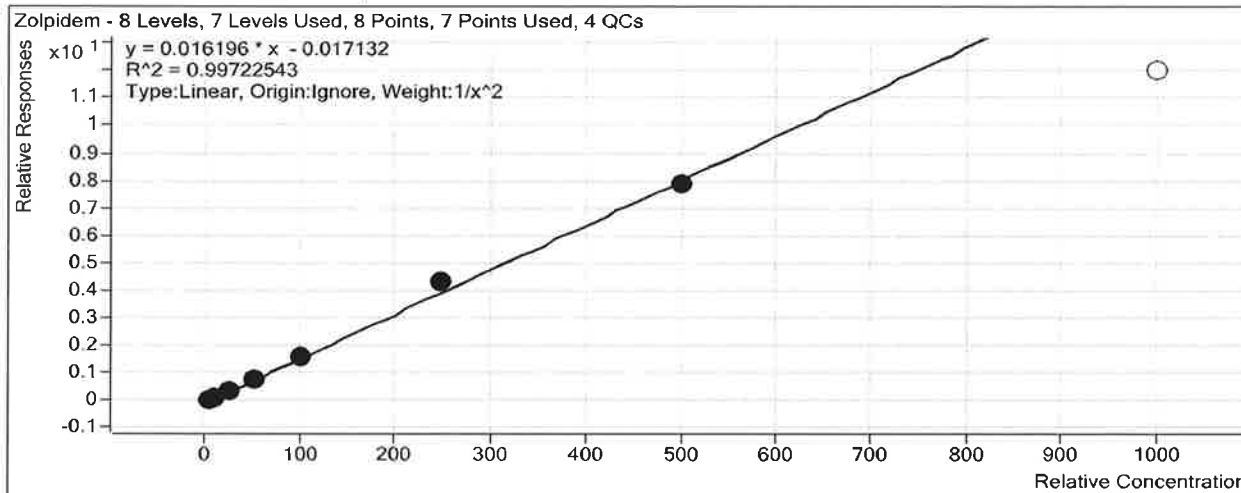
AS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1a SP.batch.bin

Last Calib Update 7/19/2018 2:07 PM

Analyst Name ISP TOX

Target Compound Zolpidem
Internal Standard Zolpidem-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	101.1
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	100.4
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.0	100.4
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.1	92.3
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.2	100.5
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.5	101.5
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	102.0	102.0
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	267.4	107.0
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	264.7	105.9
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	486.7	97.3
a cal 8-1000ng	8	<input type="checkbox"/>	1000	741.2	74.1
a QC 1000 (QC 4)	8	<input type="checkbox"/>	1000	743.4	74.3

ISP Forensics Calibration Curve Report

P

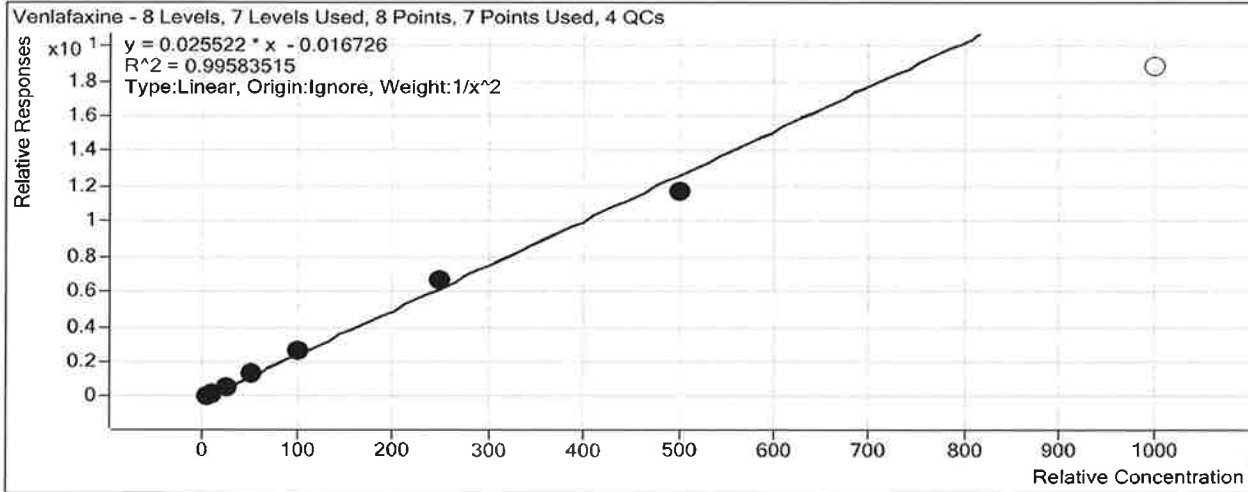
Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1a SP.batch.bin

Last Calib Update 7/19/2018 2:07 PM

Analyst Name ISP TOX

Target Compound Venlafaxine

Internal Standard Venlafaxine-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.1
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	96.6
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.7	96.8
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.6	94.4
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.9	103.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	105.2	105.2
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	102.5	102.5
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	263.9	105.5
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	461.6	92.3
a cal 8-1000ng	8	<input type="checkbox"/>	1000	737.4	73.7
a QC 1000 (QC 4)	8	<input type="checkbox"/>	1000	702.0	70.2

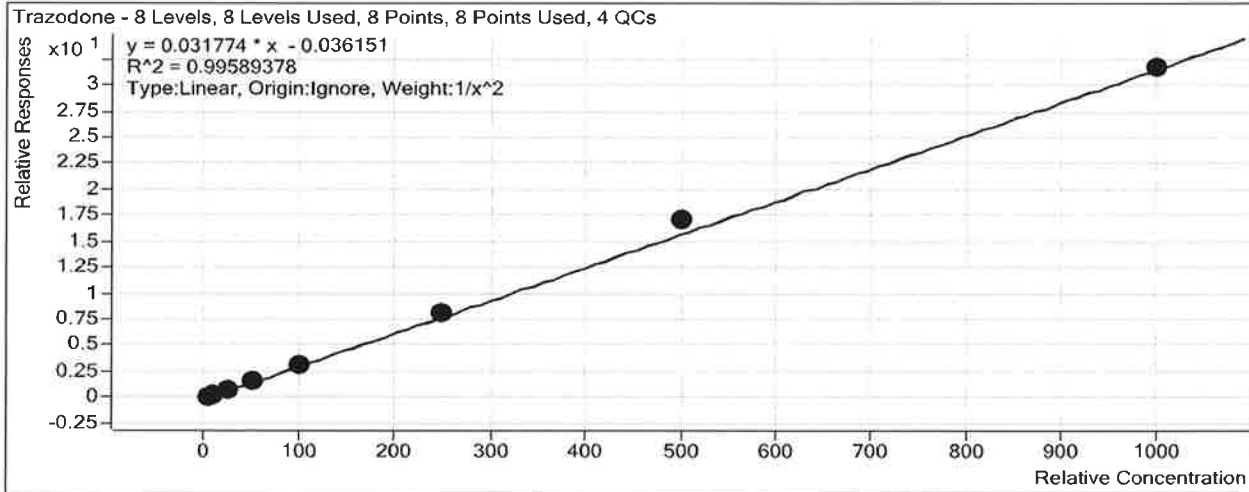
ISP Forensics Calibration Curve Report

R

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1a SP.batch.bin

Last Calib Update 7/19/2018 2:07 PM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	103.9
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	96.3
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.6	95.6
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.6	90.4
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.2	96.4
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.9	101.9
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	92.9	92.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	256.7	102.7
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	250.6	100.2
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	542.8	108.6
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	998.7	99.9
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1019.1	101.9

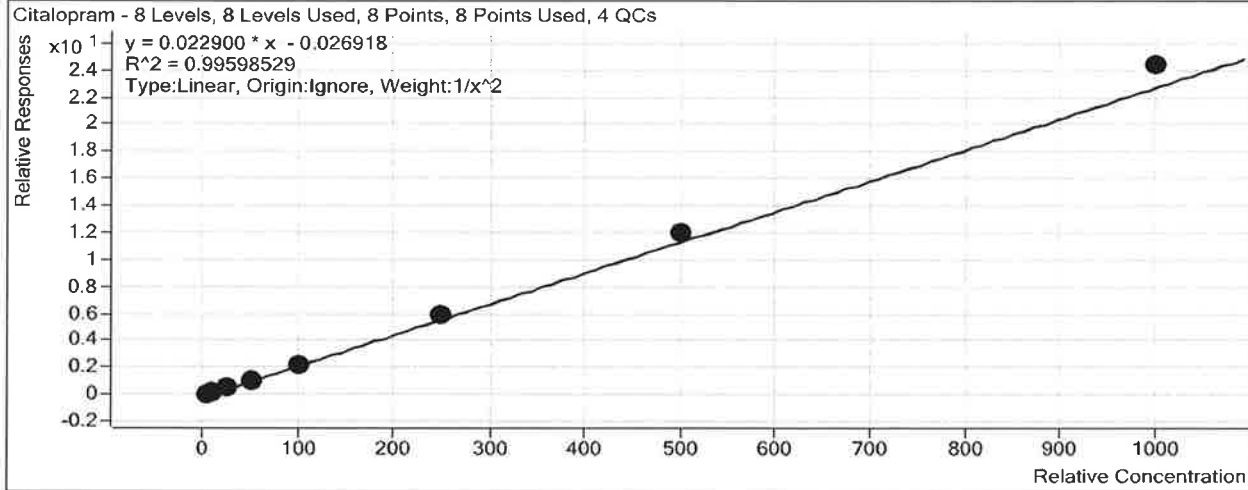
ISP Forensics Calibration Curve Report

P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1a SP.batch.bin

Last Calib Update 7/19/2018 2:07 PM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	103.5
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	97.6
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.0	99.6
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.5	90.0
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.9	97.7
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	96.6	96.6
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	93.2	93.2
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	258.2	103.3
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	250.2	100.1
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	523.6	104.7
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1066.5	106.7
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1032.7	103.3

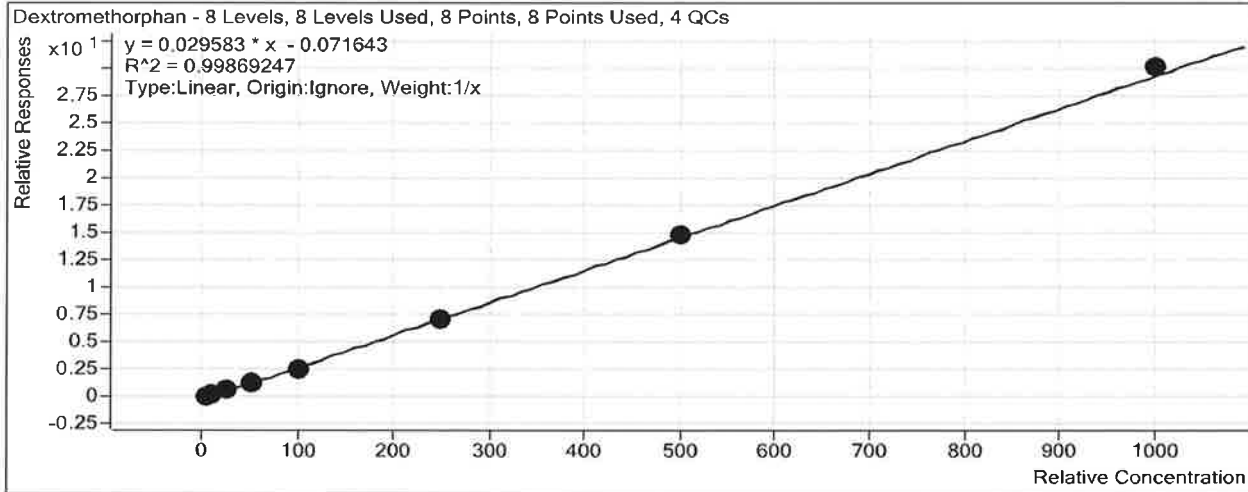
ISP Forensics Calibration Curve Report

D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1a SP.batch.bin

Last Calib Update 7/19/2018 2:07 PM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	6.2	123.3
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.3	102.5
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.2	102.4
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.4	89.8
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.6	95.2
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	90.2	90.2
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	94.1	94.1
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	241.2	96.5
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	232.3	92.9
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	502.2	100.4
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1019.9	102.0
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1016.4	101.6

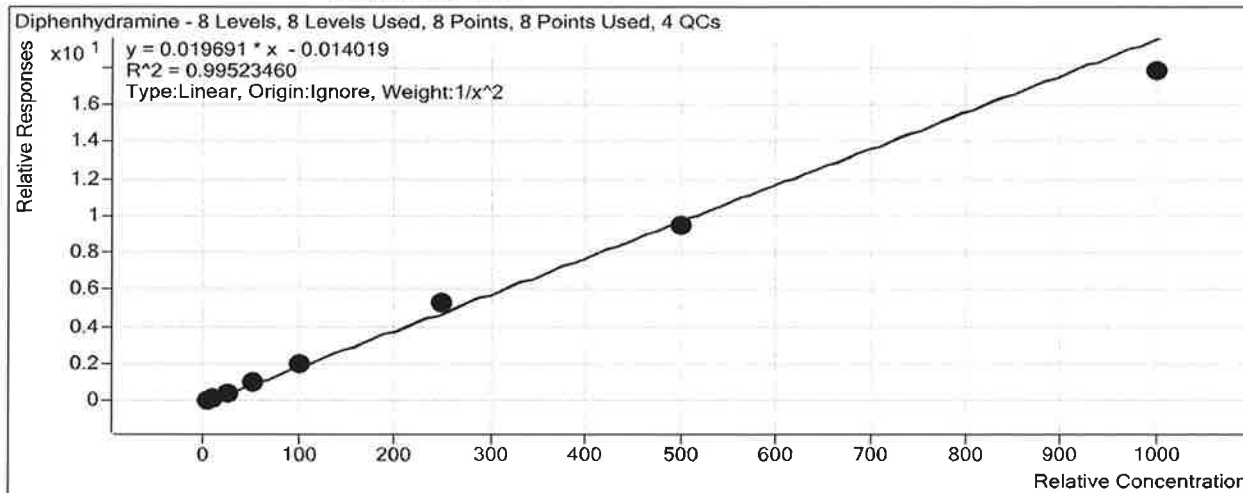
ISP Forensics Calibration Curve Report

P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1a SP.batch.bin

Last Calib Update 7/19/2018 2:07 PM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.1
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	100.5
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.9	99.1
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.5	93.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	53.1	106.1
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.6	103.6
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	101.7	101.7
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	270.3	108.1
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	266.3	106.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	486.0	97.2
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	904.6	90.5
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1039.0	103.9

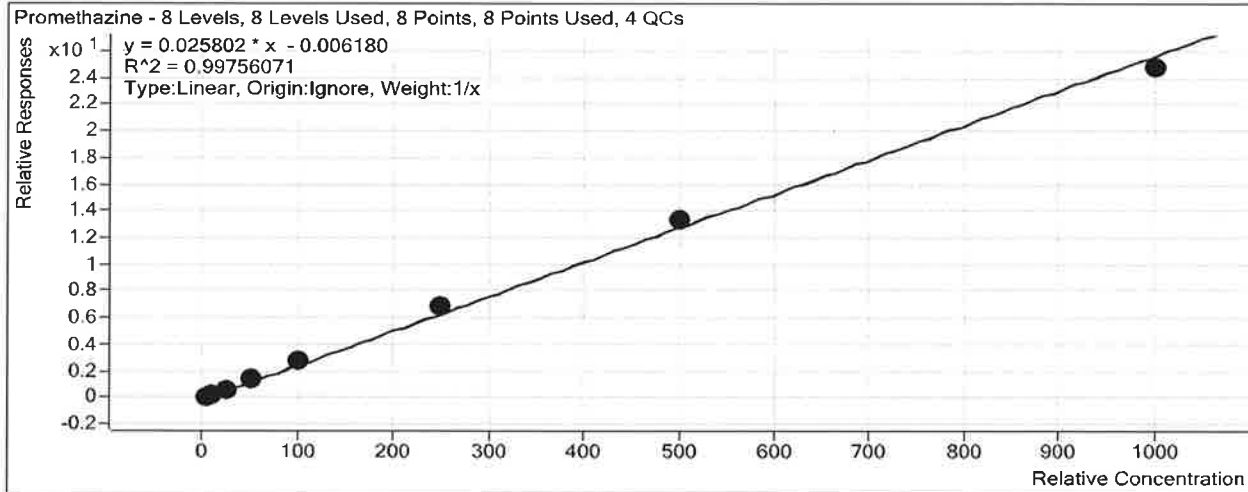
ISP Forensics Calibration Curve Report

A

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1a SP.batch.bin

Last Calib Update 7/19/2018 2:07 PM **Analyst Name** ISP TOX

Target Compound Promethazine
Internal Standard Promethazine-D3



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.7	93.1
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.4	94.4
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.8	97.8
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.7	94.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.9	105.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	104.8	104.8
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	105.2	105.2
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	269.5	107.8
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	275.7	110.3
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	516.6	103.3
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	958.4	95.8
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1204.5	120.4

ISP Forensics Calibration Curve Report

P

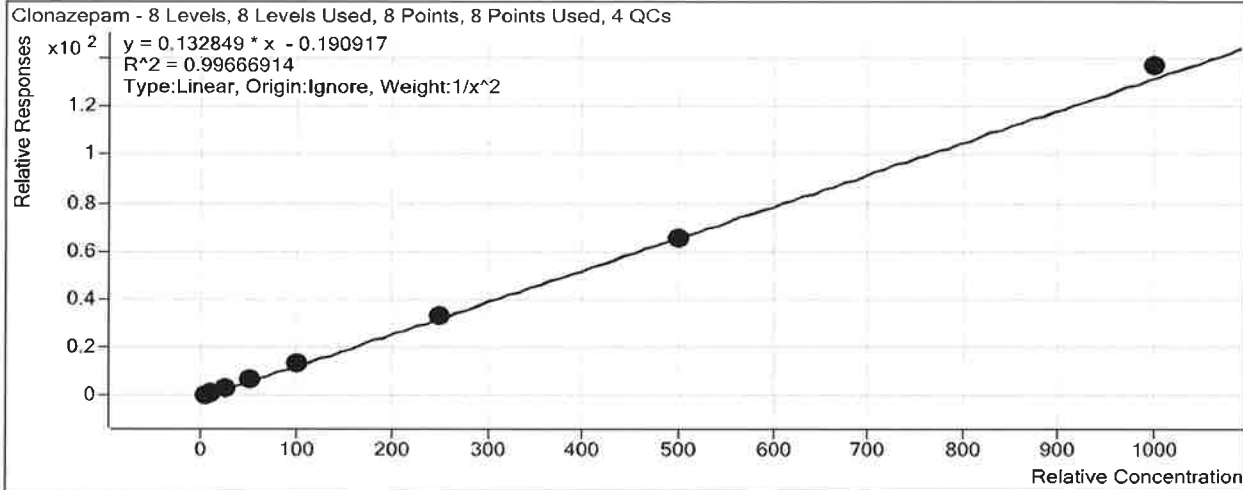
Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1a SP.batch.bin

Last Calib Update 7/19/2018 2:07 PM

Analyst Name ISP TOX

Target Compound Clonazepam

Internal Standard Clonazepam-D4



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.9
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	97.8
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.9	98.7
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.2	88.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.7	101.4
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	105.2	105.2
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	97.0	97.0
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	253.1	101.2
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	247.4	99.0
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	497.1	99.4
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	1042.6	104.3

ISP Forensics Calibration Curve Report

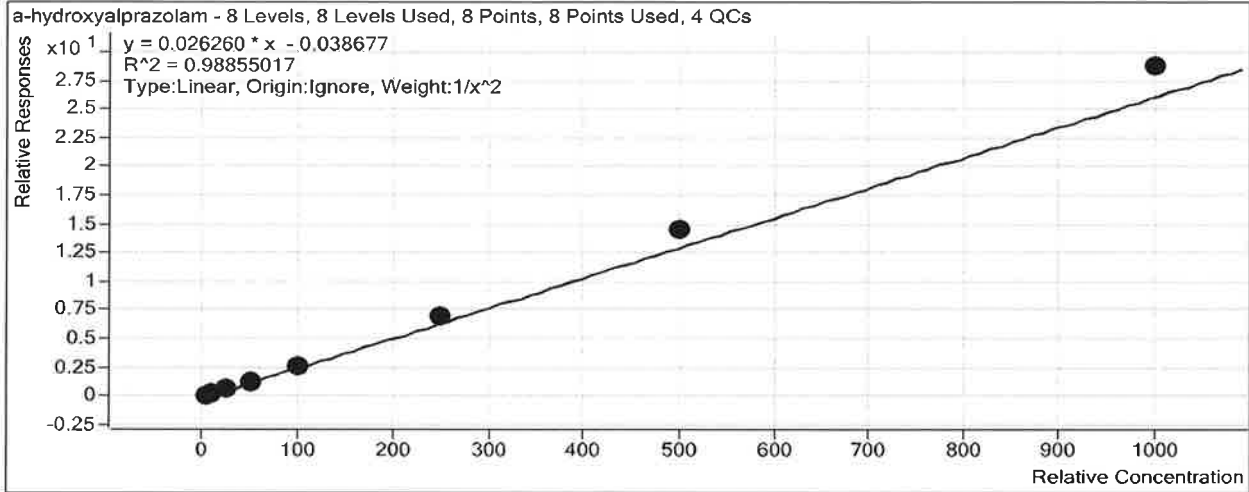
P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1a SP.batch.bin

Last Calib Update 7/19/2018 2:07 PM

Analyst Name ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.3	106.7
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.4	93.7
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.0	99.5
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	21.6	86.3
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	45.3	90.7
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	96.8	96.8
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	92.0	92.0
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	263.1	105.2
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	240.0	96.0
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	555.2	111.0
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1095.4	109.5
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1016.6	101.7

ISP Forensics Calibration Curve Report

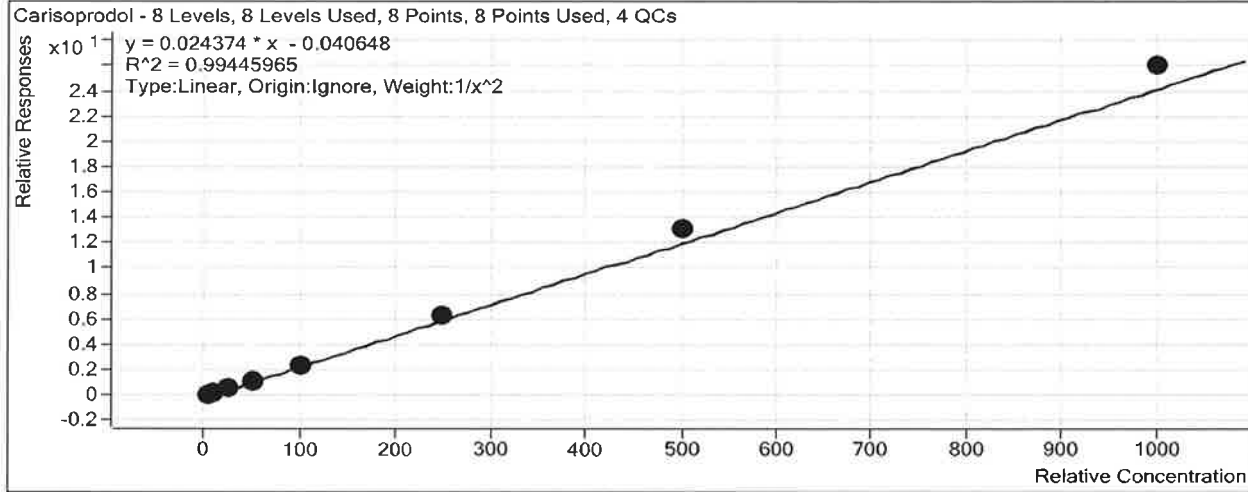
P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1a SP.batch.bin

Last Calib Update 7/19/2018 2:07 PM

Analyst Name ISP TOX

Target Compound Carisoprodol
Internal Standard Carisoprodol-D7



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.3	105.7
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.2	92.5
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.6	106.3
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.1	92.3
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.3	96.7
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	95.5	95.5
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	94.4	94.4
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	256.9	102.7
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	261.3	104.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	539.0	107.8
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1068.2	106.8
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1110.0	111.0

ISP Forensics Calibration Curve Report

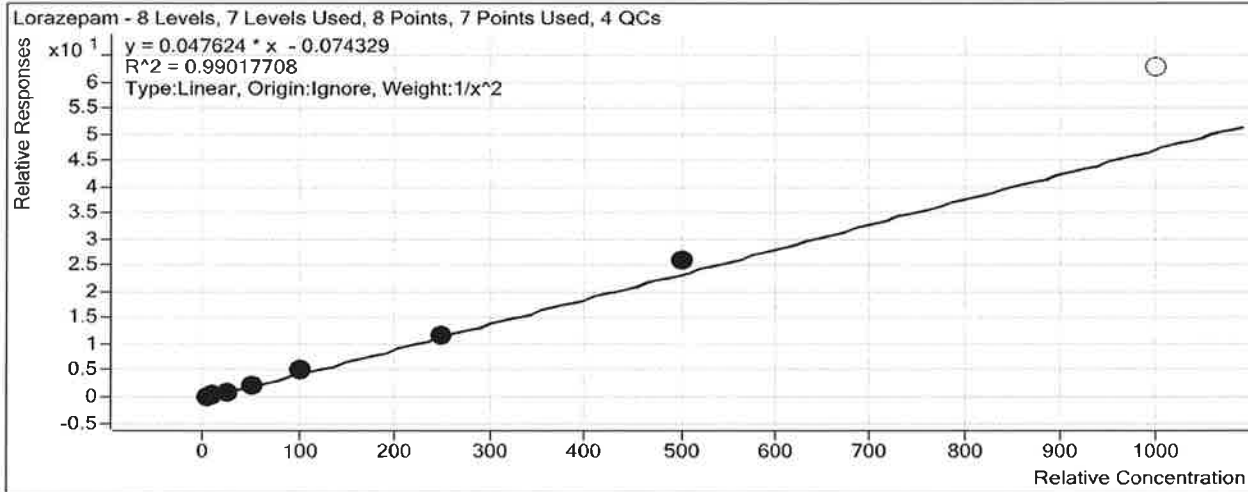
D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1a SP.batch.bin

Last Calib Update 7/19/2018 2:07 PM

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	106.6
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.1	90.9
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.2	91.9
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.3	89.2
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.1	96.2
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	109.4	109.4
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	85.5	85.5
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	247.4	99.0
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	252.7	101.1
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	544.4	108.9
a cal 8-1000ng	8	<input type="checkbox"/>	1000	1319.4	131.9
a QC 1000 (QC 4)	8	<input type="checkbox"/>	1000	1260.5	126.0

ISP Forensics Calibration Curve Report

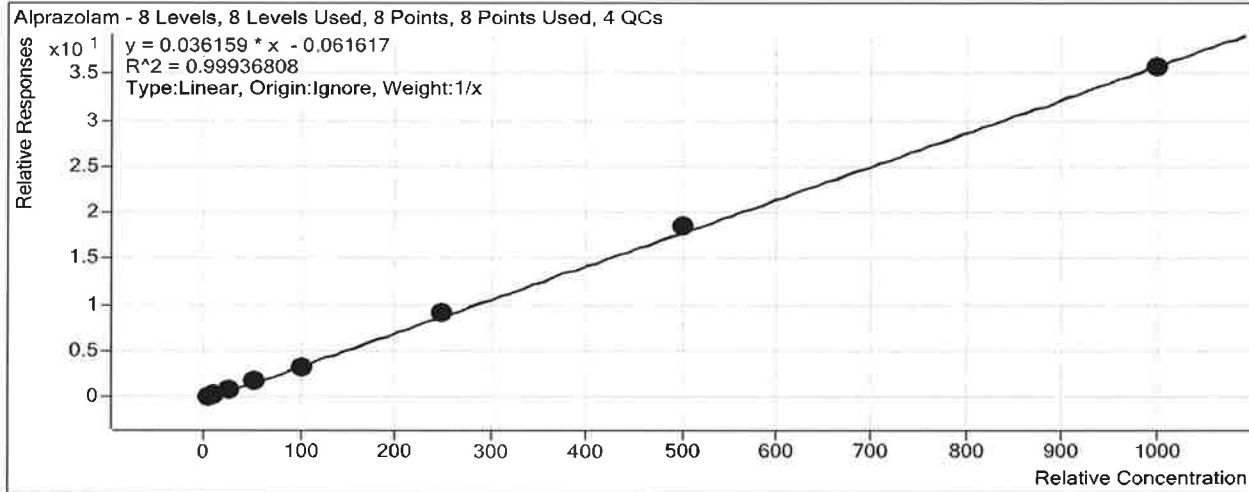
D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1a SP.batch.bin

Last Calib Update 7/19/2018 2:07 PM

Analyst Name ISP TOX

Target Compound Alprazolam
Internal Standard Alprazolam-D5



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.6	112.2
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	99.5
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.0	99.7
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.9	91.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.5	99.0
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	94.5	94.5
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	92.3	92.3
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	253.5	101.4
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	246.3	98.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	514.3	102.9
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	989.8	99.0
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	912.9	91.3

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

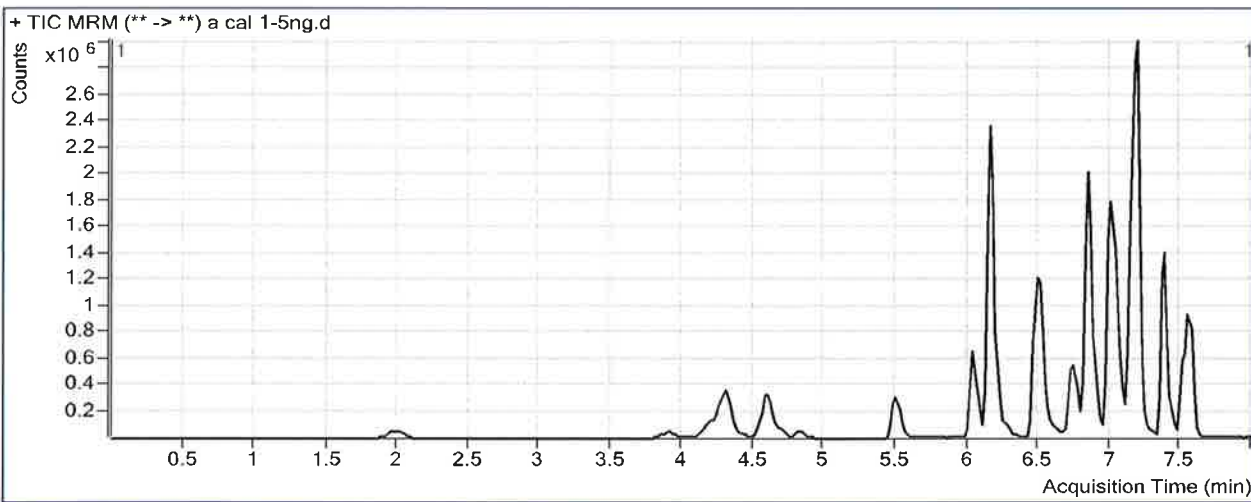
D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1a SP.batch.bin
Analysis Time 7/19/2018 2:07 PM **Analyst Name** ISUser
Report Time 7/20/2018 11:57 AM **Reporter Name** ISUser
Last Calib Update 7/19/2018 2:07 PM **Batch State** Processed

Analysis Info

Acq Time 2018-07-18 15:37 **Data File** a cal 1-5ng.d
Sample Type Calibration **Sample Name** a cal 1-5ng
Dilution 1 **Acq Method** MD Quant Panel 1a 7-11-18.m
Position P1-H12 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist 2579

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.368	11931	44178	0.2701	5.3431
Hydromorphone	Hydromorphone-D6	2.009	44005	405098	0.1086	5.3283
Codeine	Codeine-D6	3.952	19901	195948	0.1016	11.2407
Amphetamine	Amphetamine-D11	4.323	386552	681735	0.5670	5.1062
Oxycodone	Oxycodone-D6	4.330	165391	1620076	0.1021	9.6868
Hydrocodone	Hydrocodone-D6	4.615	64248	905717	0.0709	5.2632
Norhydrocodone	Norhydrocodone-D3	4.658	3023	225124	0.0134	29.8729
Methamphetamine	Methamphetamine-D11	4.702	165173	760215	0.2173	5.3341
6-MAM	6-MAM-D6	4.849	2277	197836	0.0115	0.5282
Phentermine	Phentermine-D5	5.546	57293	1319846	0.0434	5.0078
Dextrophan	Dextrophan-D3	6.043	99012	2113153	0.0469	5.1424
7-aminoclonazepam	7-Aminoclonazepam-D4	6.154	90117	889104	0.1014	4.9544
Tramadol	Tramadol-13C-D3	6.180	660650	7601963	0.0869	4.9541
Metoprolol	Tramadol-13C-D3	6.281	55426	7601963	0.0073	5.0480
Doxylamine	Doxylamine-D5	6.502	394875	4990712	0.0791	4.9771
Bupropion	Bupropion-D9	6.751	229516	1782208	0.1288	5.9774
Meprobamate	Meprobamate-D7	6.853	38734	346364	0.1118	5.0836
Zolpidem	Zolpidem-D6	6.862	454958	7027364	0.0647	5.0551
Venlafaxine	Venlafaxine-D6	7.006	585016	5148725	0.1136	5.1073
Trazodone	Trazodone-D6	7.076	285949	2218121	0.1289	5.1949

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report a cal I

S

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.139	260606	2846996	0.0915	5.1727
Dextromethorphan	Dextromethorphan-D3	7.171	116646	1053110	0.1108	6.1660
Diphenhydramine	Diphenhydramine-D3	7.194	606112	7169405	0.0845	5.0054
Promethazine	Promethazine-D3	7.389	454492	3988322	0.1140	4.6561
Clonazepam	Clonazepam-D4	7.425	43327	87970	0.4925	5.1444
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.481	15283	150685	0.1014	5.3353
Carisoprodol	Carisoprodol-D7	7.534	116425	1320844	0.0881	5.2839
Lorazepam	Clonazepam-D4	7.543	15784	87970	0.1794	5.3283
Alprazolam	Alprazolam-D5	7.568	301577	2135682	0.1412	5.6093

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

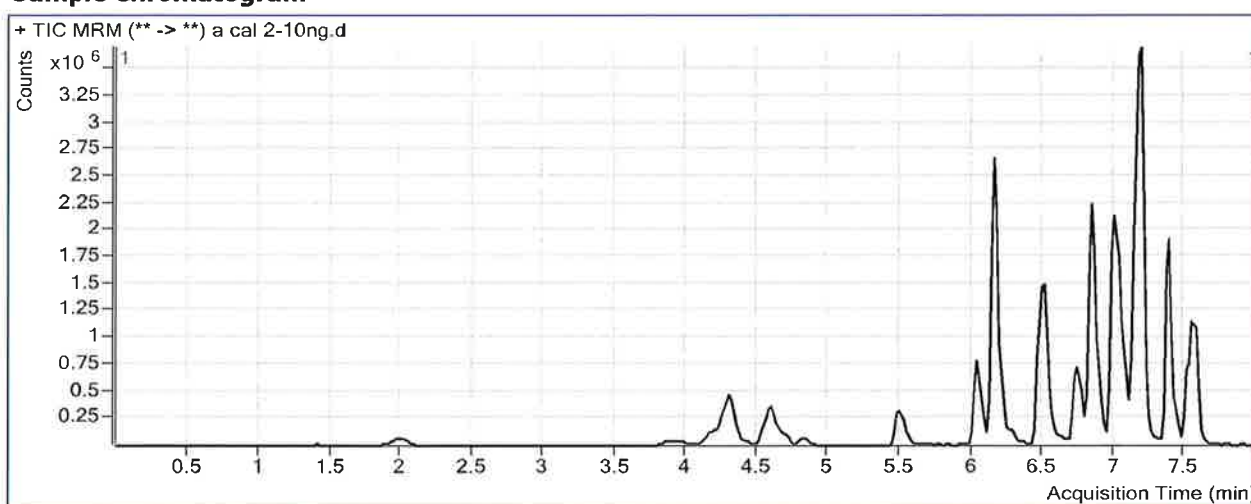
P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1a SP.batch.bin
Analysis Time 7/19/2018 2:07 PM **Analyst Name** ISPUser
Report Time 7/20/2018 11:57 AM **Reporter Name** ISPUser
Last Calib Update 7/19/2018 2:07 PM **Batch State** Processed

Analysis Info

Acq Time 2018-07-18 16:08 **Data File** a cal 2-10ng.d
Sample Type Calibration **Sample Name** a cal 2-10ng
Dilution 1 **Acq Method** MD Quant Panel 1a 7-11-18.m
Position P1-G12 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist 2579

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.368	23301	43176	0.5397	9.2836
Hydromorphone	Hydromorphone-D6	2.009	97915	423003	0.2315	9.3951
Codeine	Codeine-D6	3.952	40929	197662	0.2071	14.9313
Amphetamine	Amphetamine-D11	4.323	619449	708158	0.8747	9.5823
Oxycodone	Oxycodone-D6	4.330	354080	1742354	0.2032	13.3100
Hydrocodone	Hydrocodone-D6	4.615	133573	932203	0.1433	9.4191
Norhydrocodone	Norhydrocodone-D3	4.658	6026	239319	0.0252	32.3927
Methamphetamine	Methamphetamine-D11	4.702	310100	812810	0.3815	9.1334
6-MAM	6-MAM-D6	4.849	4382	200422	0.0219	0.9375
Phentermine	Phentermine-D5	5.546	141047	1359207	0.1038	10.0092
Dextroprphan	Dextroprphan-D3	6.043	249024	2285364	0.1090	9.8579
7-aminoclonazepam	7-Aminoclonazepam-D4	6.154	196167	905243	0.2167	9.5026
Tramadol	Tramadol-13C-D3	6.180	1469511	7904906	0.1859	10.1008
Metoprolol	Tramadol-13C-D3	6.281	118937	7904906	0.0150	9.5835
Doxylamine	Doxylamine-D5	6.502	895259	5253447	0.1704	10.0275
Bupropion	Bupropion-D9	6.751	542163	1957962	0.2769	10.1735
Meprobamate	Meprobamate-D7	6.853	84429	331546	0.2547	9.8540
Zolpidem	Zolpidem-D6	6.862	1059079	7277639	0.1455	10.0430
Venlafaxine	Venlafaxine-D6	7.006	1278791	5563652	0.2298	9.6612
Trazodone	Trazodone-D6	7.076	691511	2563170	0.2698	9.6285

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

a cal z P

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.139	635598	3232687	0.1966	9.7612
Dextromethorphan	Dextromethorphan-D3	7.171	284666	1228777	0.2317	10.2529
Diphenhydramine	Diphenhydramine-D3	7.194	1433425	7799533	0.1838	10.0454
Promethazine	Promethazine-D3	7.389	1124837	4737889	0.2374	9.4410
Clonazepam	Clonazepam-D4	7.425	107884	97353	1.1082	9.7786
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.501	33408	161004	0.2075	9.3747
Carisoprodol	Carisoprodol-D7	7.534	258205	1397275	0.1848	9.2490
Lorazepam	Clonazepam-D4	7.543	34904	97353	0.3585	9.0890
Alprazolam	Alprazolam-D5	7.568	666323	2235335	0.2981	9.9479

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

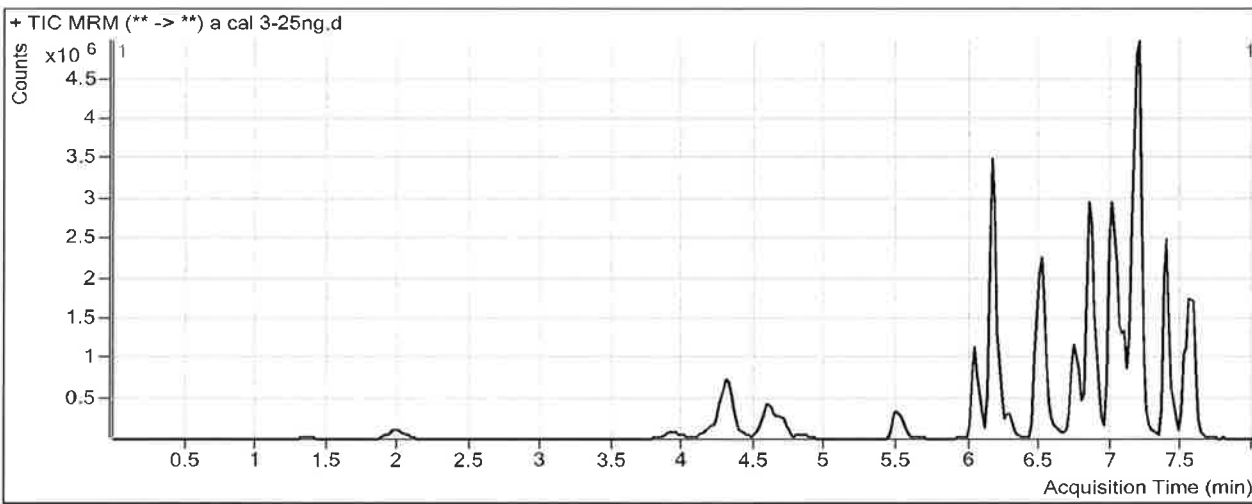
D

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1a SP.batch.bin		
Analysis Time	7/19/2018 2:07 PM	Analyst Name	ISPUser
Report Time	7/20/2018 11:57 AM	Reporter Name	ISPUser
Last Calib Update	7/19/2018 2:07 PM	Batch State	Processed

Analysis Info

Acq Time	2018-07-18 16:40	Data File	a cal 3-25ng.d
Sample Type	Calibration	Sample Name	a cal 3-25ng
Dilution	1	Acq Method	MD Quant Panel 1a 7-11-18.m
Position	P1-F12	Sample Info	
Inj Vol	-1	Comment	AM 28 worklist 2579

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.368	64372	46113	1.3960	21.7987
Hydromorphone	Hydromorphone-D6	2.009	268673	453450	0.5925	21.3468
Codeine	Codeine-D6	3.972	109767	215066	0.5104	25.5415
Amphetamine	Amphetamine-D11	4.303	1425854	704791	2.0231	26.2862
Oxycodone	Oxycodone-D6	4.330	993831	1845861	0.5384	25.3191
Hydrocodone	Hydrocodone-D6	4.615	363728	1001963	0.3630	22.0406
Norhydrocodone	Norhydrocodone-D3	4.638	17055	244240	0.0698	41.9672
Methamphetamine	Methamphetamine-D11	4.702	860709	884858	0.9727	22.8086
6-MAM	6-MAM-D6	4.849	11703	205075	0.0571	2.3287
Phentermine	Phentermine-D5	5.546	390421	1400718	0.2787	24.5053
Dextroprphan	Dextroprphan-D3	6.043	666140	2386709	0.2791	22.7754
7-aminoclonazepam	7-Aminoclonazepam-D4	6.154	554028	962197	0.5758	23.6623
Tramadol	Tramadol-13C-D3	6.180	3900697	8380286	0.4655	24.6355
Metoprolol	Tramadol-13C-D3	6.281	349995	8380286	0.0418	25.2098
Doxylamine	Doxylamine-D5	6.502	2386910	5673915	0.4207	23.8728
Bupropion	Bupropion-D9	6.751	1449646	1903390	0.7616	23.9047
Meprobamate	Meprobamate-D7	6.853	237950	343808	0.6921	24.4649
Zolpidem	Zolpidem-D6	6.862	2787749	7821903	0.3564	23.0634
Venlafaxine	Venlafaxine-D6	7.006	3335115	5697223	0.5854	23.5922
Trazodone	Trazodone-D6	7.076	1725154	2528958	0.6822	22.6067

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report a cal 3

8

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.139	1584814	3246727	0.4881	22.4909
Dextromethorphan	Dextromethorphan-D3	7.171	700534	1183008	0.5922	22.4391
Diphenhydramine	Diphenhydramine-D3	7.194	3488474	7780835	0.4483	23.4809
Promethazine	Promethazine-D3	7.389	2742611	4528009	0.6057	23.7147
Clonazepam	Clonazepam-D4	7.425	272654	98676	2.7631	22.2361
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.501	89436	169515	0.5276	21.5645
Carisoprodol	Carisoprodol-D7	7.534	732298	1402698	0.5221	23.0862
Lorazepam	Clonazepam-D4	7.543	97430	98676	0.9874	22.2934
Alprazolam	Alprazolam-D5	7.568	1764963	2301819	0.7668	22.9097

ISP FORENSICS - Pocatello Instrument # 59740

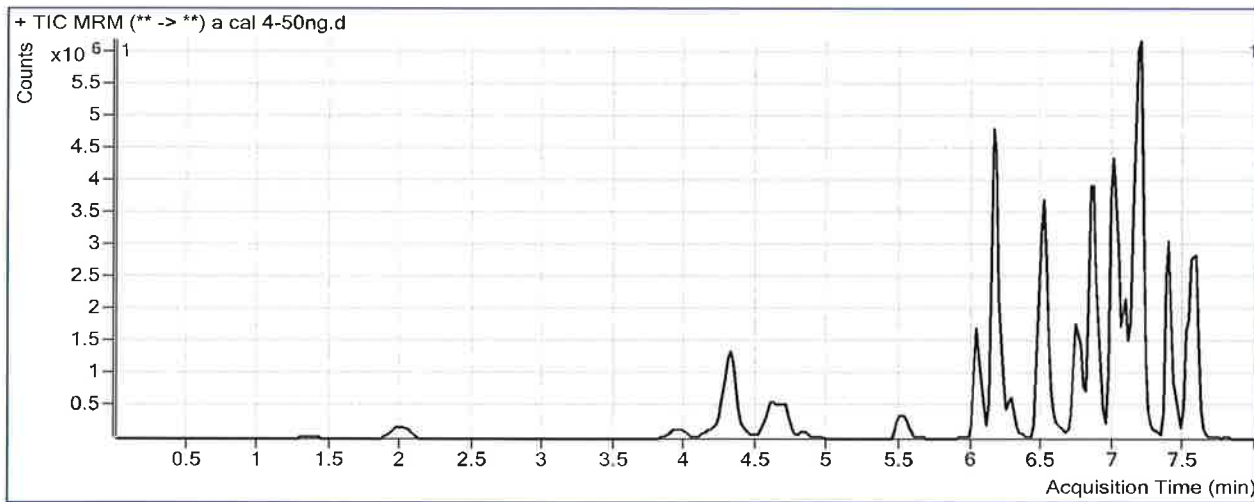
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1a SP.batch.bin
Analysis Time 7/19/2018 2:07 PM **Analyst Name** ISPUser
Report Time 7/20/2018 11:58 AM **Reporter Name** ISPUser
Last Calib Update 7/19/2018 2:07 PM **Batch State** Processed

Analysis Info

Acq Time 2018-07-18 17:11 **Data File** a cal 4-50ng.d
Sample Type Calibration **Sample Name** a cal 4-50ng
Dilution 1 **Acq Method** MD Quant Panel 1a 7-11-18.m
Position P1-E12 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist 2579

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.368	145342	47292	3.0733	46.3133
Hydromorphone	Hydromorphone-D6	2.009	618924	456079	1.3571	46.6566
Codeine	Codeine-D6	3.972	251062	209620	1.1977	49.5837
Amphetamine	Amphetamine-D11	4.323	2694319	696432	3.8687	53.1331
Oxycodone	Oxycodone-D6	4.330	2391935	1884413	1.2693	51.5059
Hydrocodone	Hydrocodone-D6	4.615	840483	1006728	0.8349	49.1443
Norhydrocodone	Norhydrocodone-D3	4.658	37140	251424	0.1477	58.6684
Methamphetamine	Methamphetamine-D11	4.702	1766391	871561	2.0267	47.1890
6-MAM	6-MAM-D6	4.829	24596	214883	0.1145	4.5972
Phentermine	Phentermine-D5	5.546	805856	1338255	0.6022	51.3037
Dextrophan	Dextrophan-D3	6.043	1476068	2375260	0.6214	48.7661
7-aminoclonazepam	7-Aminoclonazepam-D4	6.154	1282995	1004631	1.2771	51.3153
Tramadol	Tramadol-13C-D3	6.180	8479227	8473127	1.0007	52.4640
Metoprolol	Tramadol-13C-D3	6.281	761437	8473127	0.0899	53.3419
Doxylamine	Doxylamine-D5	6.502	5241430	5291528	0.9905	55.3981
Bupropion	Bupropion-D9	6.751	2928271	1775566	1.6492	49.0489
Meprobamate	Meprobamate-D7	6.853	481342	340349	1.4143	48.5854
Zolpidem	Zolpidem-D6	6.862	6109987	7672134	0.7964	50.2295
Venlafaxine	Venlafaxine-D6	7.006	7295352	5579418	1.3075	51.8877
Trazodone	Trazodone-D6	7.076	3150558	2106454	1.4957	48.2094

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

a cal 4

D

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.139	3004724	2751635	1.0920	48.8598
Dextromethorphan	Dextromethorphan-D3	7.171	1247100	932776	1.3370	47.6164
Diphenhydramine	Diphenhydramine-D3	7.194	6580717	6382843	1.0310	53.0711
Promethazine	Promethazine-D3	7.389	5024122	3695031	1.3597	52.9376
Clonazepam	Clonazepam-D4	7.425	653745	99937	6.5416	50.6778
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.501	199315	173049	1.1518	45.3342
Carisoprodol	Carisoprodol-D7	7.534	1595850	1402818	1.1376	48.3396
Lorazepam	Clonazepam-D4	7.543	221456	99937	2.2160	48.0908
Alprazolam	Alprazolam-D5	7.568	3857579	2232508	1.7279	49.4909

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

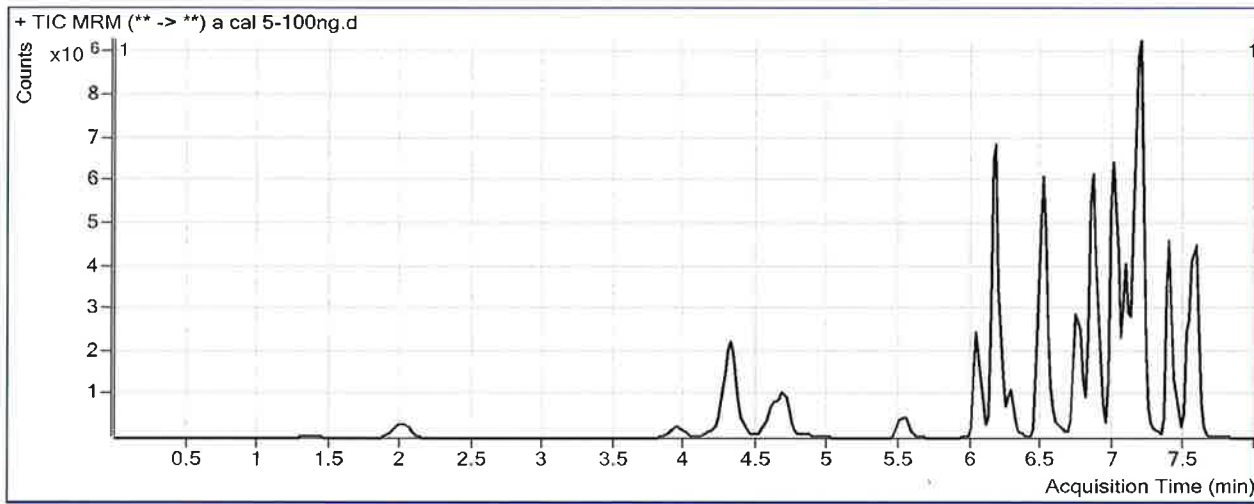
D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1a SP.batch.bin
Analysis Time 7/19/2018 2:07 PM **Analyst Name** ISPUser
Report Time 7/20/2018 11:58 AM **Reporter Name** ISPUser
Last Calib Update 7/19/2018 2:07 PM **Batch State** Processed

Analysis Info

Acq Time 2018-07-18 17:43 **Data File** a cal 5-100ng.d
Sample Type Calibration **Sample Name** a cal 5-100ng
Dilution 1 **Acq Method** MD Quant Panel 1a 7-11-18.m
Position P1-D12 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist 2579

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.368	284688	43740	6.5086	96.5226
Hydromorphone	Hydromorphone-D6	2.009	1210630	423212	2.8606	96.4298
Codeine	Codeine-D6	3.952	479814	193239	2.4830	94.5435
Amphetamine	Amphetamine-D11	4.323	5044026	649868	7.7616	109.7587
Oxycodone	Oxycodone-D6	4.330	4449075	1795016	2.4786	94.8301
Hydrocodone	Hydrocodone-D6	4.615	1633213	953980	1.7120	99.5282
Norhydrocodone	Norhydrocodone-D3	4.658	64381	215647	0.2985	91.0097
Methamphetamine	Methamphetamine-D11	4.702	3539109	855837	4.1353	95.9633
6-MAM	6-MAM-D6	4.849	44775	201274	0.2225	8.8656
Phentermine	Phentermine-D5	5.546	1484503	1264820	1.1737	98.6567
Dextrophan	Dextrophan-D3	6.043	2631700	2131575	1.2346	95.3214
7-aminoclonazepam	7-Aminoclonazepam-D4	6.154	2320705	900143	2.5782	102.6189
Tramadol	Tramadol-13C-D3	6.180	15803547	7773688	2.0330	106.1305
Metoprolol	Tramadol-13C-D3	6.281	1410328	7773688	0.1814	106.8905
Doxylamine	Doxylamine-D5	6.502	9348048	5199746	1.7978	100.0570
Bupropion	Bupropion-D9	6.751	4998079	1641702	3.0445	88.5743
Meprobamate	Meprobamate-D7	6.853	911121	324967	2.8037	94.9943
Zolpidem	Zolpidem-D6	6.862	11752926	7227095	1.6262	101.4670
Venlafaxine	Venlafaxine-D6	7.006	13448679	5038764	2.6690	105.2339
Trazodone	Trazodone-D6	7.076	6054175	1891671	3.2004	101.8618

ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report a cal 5

P

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.139	5330131	2439462	2.1850	96.5881
Dextromethorphan	Dextromethorphan-D3	7.171	2291232	881879	2.5981	90.2478
Diphenhydramine	Diphenhydramine-D3	7.194	12514123	6176356	2.0261	103.6087
Promethazine	Promethazine-D3	7.389	8897579	3298944	2.6971	104.7715
Clonazepam	Clonazepam-D4	7.425	1136291	82444	13.7826	105.1834
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.501	385648	154069	2.5031	96.7935
Carisoprodol	Carisoprodol-D7	7.534	2852199	1247728	2.2859	95.4508
Lorazepam	Clonazepam-D4	7.543	423250	82444	5.1338	109.3588
Alprazolam	Alprazolam-D5	7.568	6862954	2045726	3.3548	94.4831

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

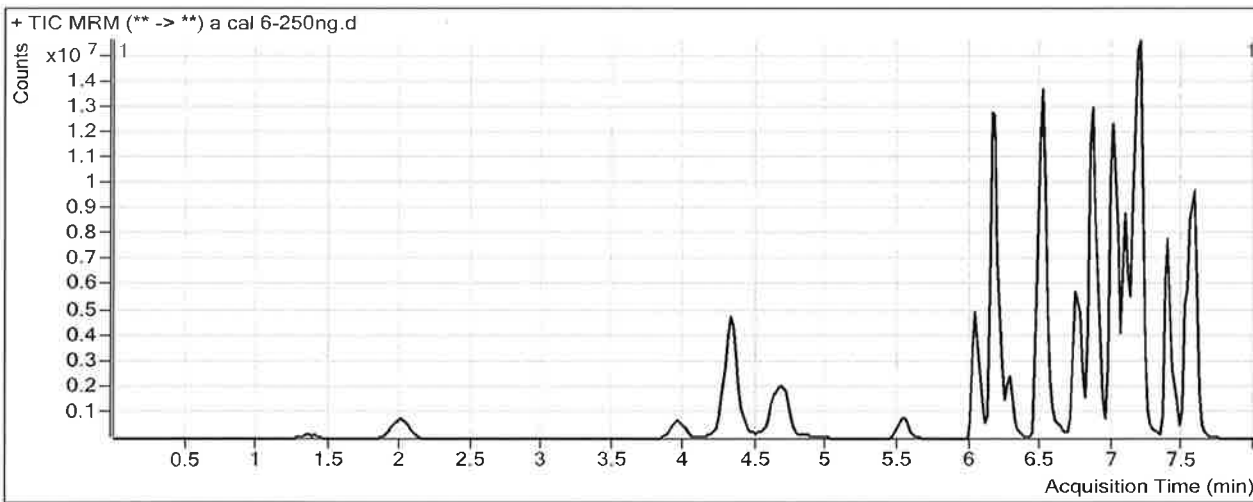
D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1a SP.batch.bin
Analysis Time 7/19/2018 2:07 PM **Analyst Name** ISPUser
Report Time 7/20/2018 11:58 AM **Reporter Name** ISPUser
Last Calib Update 7/19/2018 2:07 PM **Batch State** Processed

Analysis Info

Acq Time 2018-07-18 18:14 **Data File** a cal 6-250ng.d
Sample Type Calibration **Sample Name** a cal 6-250ng
Dilution 1 **Acq Method** MD Quant Panel 1a 7-11-18.m
Position P1-C12 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist 2579

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.368	777509	44779	17.3631	255.1657
Hydromorphone	Hydromorphone-D6	2.009	3167003	404928	7.8212	260.6466
Codeine	Codeine-D6	3.952	1223617	189732	6.4492	233.2808
Amphetamine	Amphetamine-D11	4.323	10112661	571221	17.7036	254.3744
Oxycodone	Oxycodone-D6	4.330	11426734	1659766	6.8845	252.6850
Hydrocodone	Hydrocodone-D6	4.615	4142952	894132	4.6335	267.3426
Norhydrocodone	Norhydrocodone-D3	4.658	178399	196871	0.9062	221.2982
Methamphetamine	Methamphetamine-D11	4.702	6843788	622204	10.9993	254.7384
6-MAM	6-MAM-D6	4.849	126164	194046	0.6502	25.7708
Phentermine	Phentermine-D5	5.546	3075380	1039396	2.9588	246.5626
Dextroprphan	Dextroprphan-D3	6.043	6330796	1899900	3.3322	254.5731
7-aminoclonazepam	7-Aminoclonazepam-D4	6.154	5548150	835568	6.6400	262.7842
Tramadol	Tramadol-13C-D3	6.180	36576629	7589728	4.8192	250.9910
Metoprolol	Tramadol-13C-D3	6.281	3229270	7589728	0.4255	249.6282
Doxylamine	Doxylamine-D5	6.502	23525452	4732373	4.9712	275.6147
Bupropion	Bupropion-D9	6.751	11235770	1315793	8.5392	244.2318
Meprobamate	Meprobamate-D7	6.853	2325163	330403	7.0373	236.3987
Zolpidem	Zolpidem-D6	6.862	28597318	6629644	4.3136	267.3916
Venlafaxine	Venlafaxine-D6	7.006	30300741	4510506	6.7178	263.8730
Trazodone	Trazodone-D6	7.076	13581942	1672575	8.1204	256.7020

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

a cal b

P

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.139	11191625	1901237	5.8865	258.2264
Dextromethorphan	Dextromethorphan-D3	7.171	4616456	653485	7.0644	241.2229
Diphenhydramine	Diphenhydramine-D3	7.194	24311368	4580282	5.3078	270.2691
Promethazine	Promethazine-D3	7.389	17795501	2561356	6.9477	269.5124
Clonazepam	Clonazepam-D4	7.425	2944526	88070	33.4338	253.1044
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.501	972417	141536	6.8705	263.1087
Carisoprodol	Carisoprodol-D7	7.534	6676929	1073468	6.2200	256.8511
Lorazepam	Clonazepam-D4	7.543	1031070	88070	11.7074	247.3880
Alprazolam	Alprazolam-D5	7.568	16612035	1824629	9.1043	253.4918

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

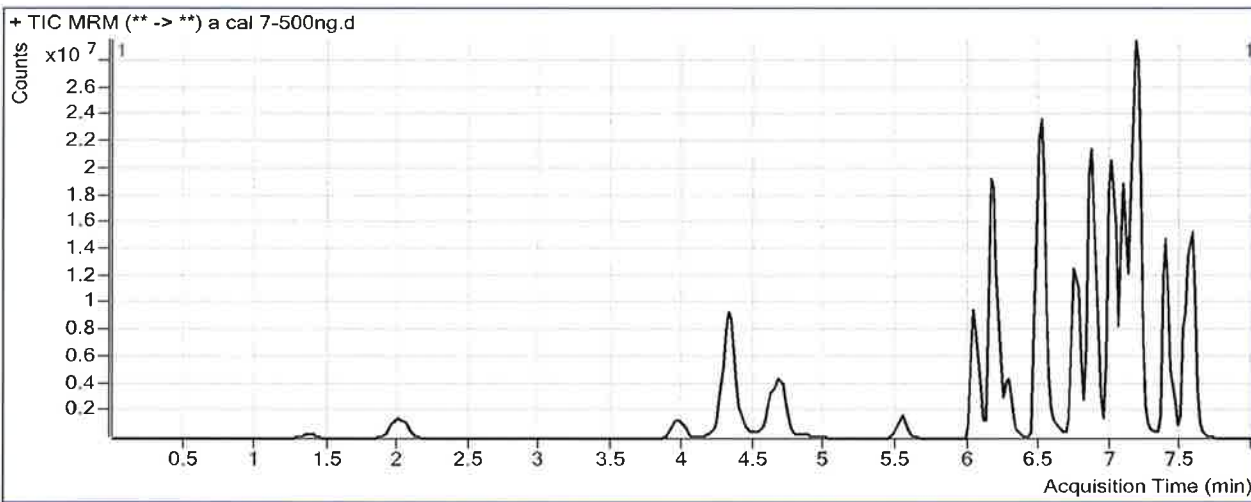
P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1a SP.batch.bin
Analysis Time 7/19/2018 2:07 PM **Analyst Name** ISPUser
Report Time 7/20/2018 11:58 AM **Reporter Name** ISPUser
Last Calib Update 7/19/2018 2:07 PM **Batch State** Processed

Analysis Info

Acq Time 2018-07-18 18:46 **Data File** a cal 7-500ng.d
Sample Type Calibration **Sample Name** a cal 7-500ng
Dilution 1 **Acq Method** MD Quant Panel 1a 7-11-18.m
Position P1-B12 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist 2579

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.368	1530081	41426	36.9355	541.2260
Hydromorphone	Hydromorphone-D6	2.009	6308986	386341	16.3301	542.3307
Codeine	Codeine-D6	3.952	2502117	176850	14.1482	502.5920
Amphetamine	Amphetamine-D11	4.323	20349223	583940	34.8481	503.7589
Oxycodone	Oxycodone-D6	4.330	24038474	1752663	13.7154	497.4173
Hydrocodone	Hydrocodone-D6	4.615	8379722	917077	9.1374	526.0547
Norhydrocodone	Norhydrocodone-D3	4.658	389633	175767	2.2168	502.3180
Methamphetamine	Methamphetamine-D11	4.702	14554951	626922	23.2165	537.3421
6-MAM	6-MAM-D6	4.849	276881	202441	1.3677	54.1304
Phentermine	Phentermine-D5	5.546	6836242	1096872	6.2325	517.8015
Dextroprhan	Dextroprhan-D3	6.043	13388889	1953264	6.8546	522.0074
7-aminoclonazepam	7-Aminoclonazepam-D4	6.154	9897398	746756	13.2539	523.5818
Tramadol	Tramadol-13C-D3	6.180	62046237	7182323	8.6387	449.5703
Metoprolol	Tramadol-13C-D3	6.281	6137986	7182323	0.8546	500.6006
Doxylamine	Doxylamine-D5	6.502	48122015	5162081	9.3222	516.3222
Bupropion	Bupropion-D9	6.751	23853522	1447246	16.4820	469.2418
Meprobamate	Meprobamate-D7	6.853	4236609	257213	16.4712	551.4936
Zolpidem	Zolpidem-D6	6.862	53579856	6812645	7.8648	486.6559
Venlafaxine	Venlafaxine-D6	7.006	56132733	4771821	11.7634	461.5683
Trazodone	Trazodone-D6	7.076	30973734	1799658	17.2109	542.7989

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

a cal 7 P

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.139	22672572	1895112	11.9637	523.6055
Dextromethorphan	Dextromethorphan-D3	7.171	10260435	694000	14.7845	502.1907
Diphenhydramine	Diphenhydramine-D3	7.194	47318751	4952037	9.5554	485.9816
Promethazine	Promethazine-D3	7.389	36476759	2737886	13.3230	516.6003
Clonazepam	Clonazepam-D4	7.425	5217120	79236	65.8432	497.0599
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.501	1833981	126120	14.5415	555.2317
Carisoprodol	Carisoprodol-D7	7.534	11020516	841435	13.0973	539.0044
Lorazepam	Clonazepam-D4	7.543	2048320	79236	25.8510	544.3721
Alprazolam	Alprazolam-D5	7.568	27835366	1501860	18.5339	514.2749

ISP FORENSICS - Pocatello Instrument # 59740

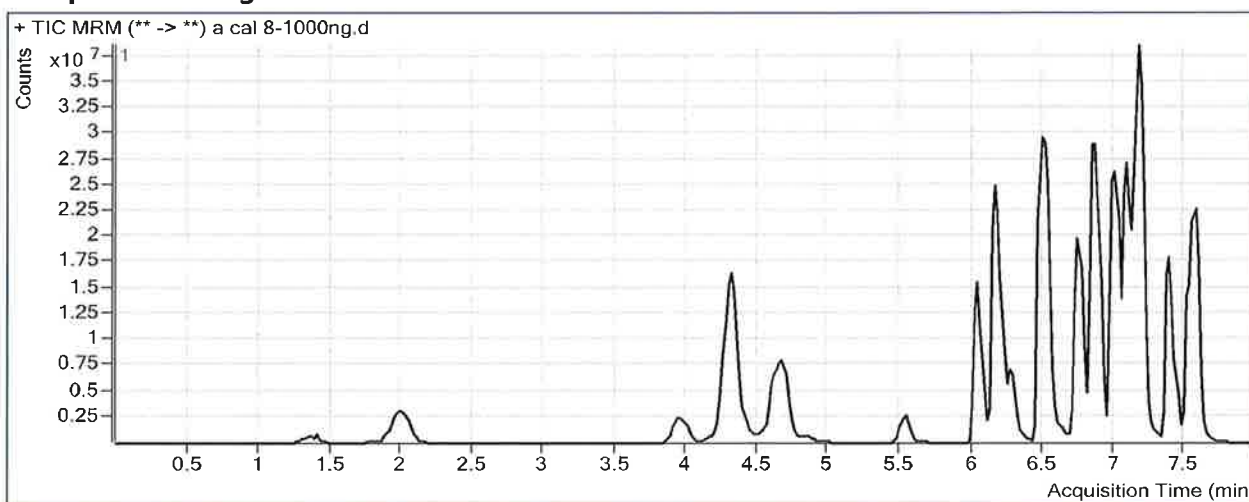
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1a SP.batch.bin
Analysis Time 7/19/2018 2:07 PM **Analyst Name** ISUser
Report Time 7/20/2018 11:58 AM **Reporter Name** ISUser
Last Calib Update 7/19/2018 2:07 PM **Batch State** Processed

Analysis Info

Acq Time 2018-07-18 19:17 **Data File** a cal 8-1000ng.d
Sample Type Calibration **Sample Name** a cal 8-1000ng
Dilution 1 **Acq Method** MD Quant Panel 1a 7-11-18.m
Position P1-A12 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist 2579

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.368	3311682	42642	77.6618	1136.4611
Hydromorphone	Hydromorphone-D6	2.009	13805979	410068	33.6675	1116.2753
Codeine	Codeine-D6	3.952	5027385	160566	31.3104	1102.9243
Amphetamine	Amphetamine-D11	4.303	31299576	563330	55.5617	805.0576
Oxycodone	Oxycodone-D6	4.310	50334792	1808408	27.8338	1003.2426
Hydrocodone	Hydrocodone-D6	4.615	16790154	942775	17.8093	1024.1790
Norhydrocodone	Norhydrocodone-D3	4.658	717912	153982	4.6623	1026.7057
Methamphetamine	Methamphetamine-D11	4.682	27364715	570189	47.9923	1110.4449
6-MAM	6-MAM-D6	4.849	607888	208128	2.9207	115.5123
Phentermine	Phentermine-D5	5.546	11457532	967302	11.8448	982.8102
Dextrophan	Dextrophan-D3	6.043	23815106	1670649	14.2550	1083.8655
7-aminoclonazepam	7-Aminoclonazepam-D4	6.154	17122671	702855	24.3616	961.5804
Tramadol	Tramadol-13C-D3	6.160	85953310	6819526	12.6040	655.7270
Metoprolol	Tramadol-13C-D3	6.281	10347484	6819526	1.5173	888.2064
Doxylamine	Doxylamine-D5	6.483	74782102	5154123	14.5092	803.2750
Bupropion	Bupropion-D9	6.751	42344454	1146239	36.9421	1048.8476
Meprobamate	Meprobamate-D7	6.853	7703713	245593	31.3679	1049.0478
Zolpidem	Zolpidem-D6	6.862	82055195	6844734	11.9881	741.2436
Venlafaxine	Venlafaxine-D6	7.006	79612852	4233756	18.8043	737.4462
Trazodone	Trazodone-D6	7.076	49212603	1552623	31.6964	998.6867

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

a cal 8 P

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.139	32048706	1313668	24.3963	1066.5124
Dextromethorphan	Dextromethorphan-D3	7.171	14362872	477194	30.0986	1019.8642
Diphenhydramine	Diphenhydramine-D3	7.194	62313025	3501027	17.7985	904.6049
Promethazine	Promethazine-D3	7.389	47818400	1934303	24.7213	958.3663
Clonazepam	Clonazepam-D4	7.425	9765275	71335	136.8941	1031.8832
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.501	3760474	130910	28.7256	1095.3792
Carisoprodol	Carisoprodol-D7	7.534	17958289	690837	25.9950	1068.1510
Lorazepam	Clonazepam-D4	7.543	4477121	71335	62.7623	1319.4237
Alprazolam	Alprazolam-D5	7.568	43427520	1215502	35.7281	989.7924

P

ISP FORENSICS - Pocatello Instrument # 59740

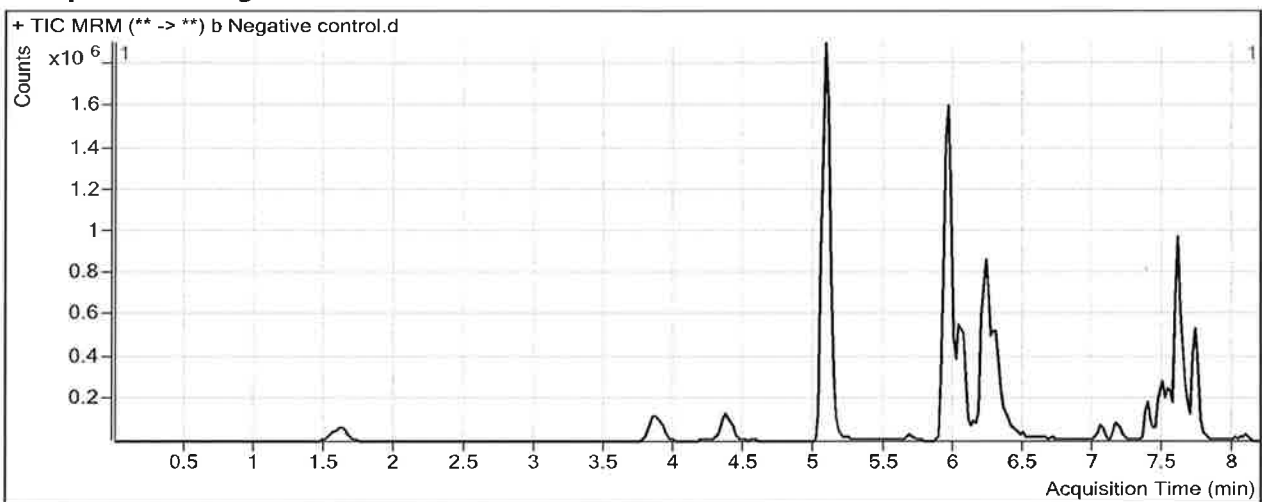
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1b SP.batch.bin
Analysis Time 7/19/2018 2:53 PM **Analyst Name** ISPUser
Report Time 7/20/2018 12:02 PM **Reporter Name** ISPUser
Last Calib Update 7/19/2018 2:53 PM **Batch State** Processed

Analysis Info

Acq Time 2018-07-18 20:36 **Data File** b Negative control.d
Sample Type Sample **Sample Name** b Negative control
Dilution 1 **Acq Method** MD Quant Panel 1b 7-11-18.m
Position P1-D11 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist 2579

Sample Chromatogram



D

ISP FORENSICS - Pocatello Instrument # 59740

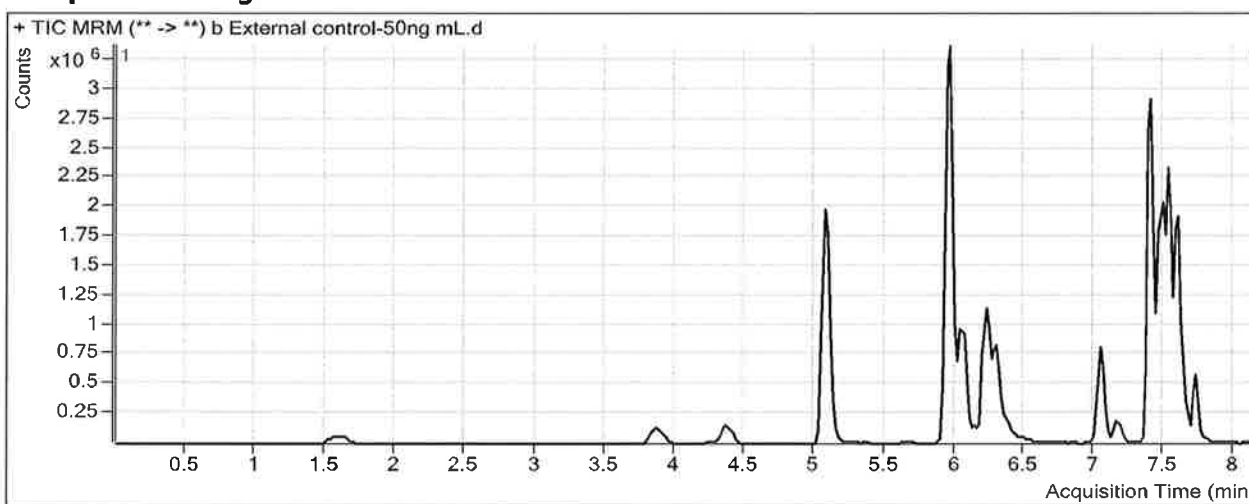
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1b SP.batch.bin
Analysis Time 7/19/2018 2:53 PM **Analyst Name** ISPUser
Report Time 7/20/2018 12:02 PM **Reporter Name** ISPUser
Last Calib Update 7/19/2018 2:53 PM **Batch State** Processed

Analysis Info

Acq Time	2018-07-18 21:08	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 7-11-18.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
Ketamine	Ketamine-D4	5.942	5413597	4207066	1.2868	57.4249
Quetiapine	Quetiapine-D8	7.399	6133027	1527928	4.0140	41.7968

P

ISP FORENSICS - Pocatello Instrument # 59740

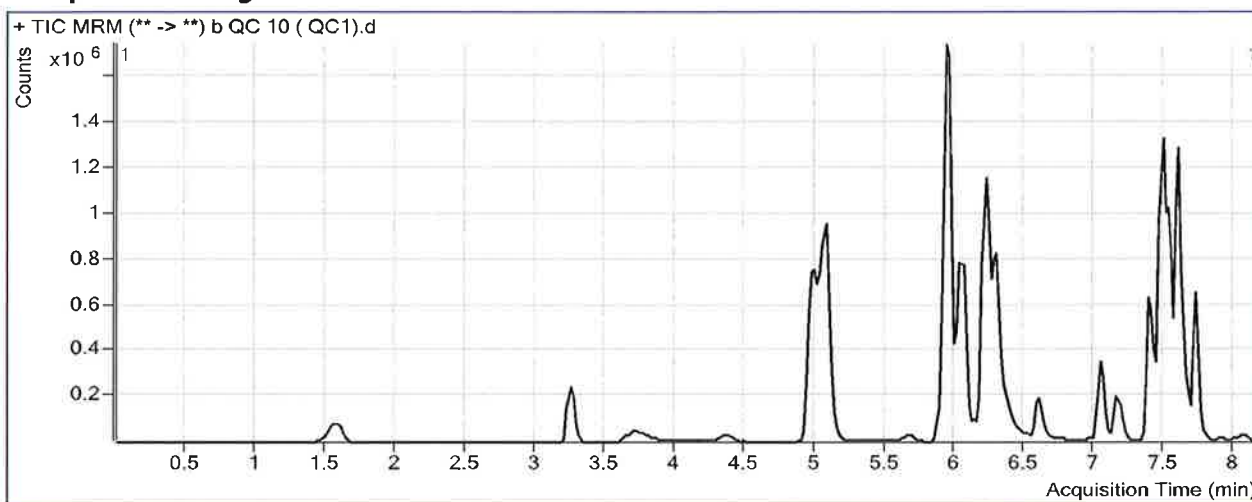
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1b SP.batch.bin
Analysis Time 7/19/2018 2:53 PM **Analyst Name** ISPUser
Report Time 7/20/2018 12:02 PM **Reporter Name** ISPUser
Last Calib Update 7/19/2018 2:53 PM **Batch State** Processed

Analysis Info

Acq Time 2018-07-18 22:11 **Data File** b QC 10 (QC1).d
Sample Type QC **Sample Name** b QC 10 (QC1)
Dilution 1 **Acq Method** MD Quant Panel 1b 7-11-18.m
Position P1-H11 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist 2579

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.588	105268	470932	0.2235	9.6657
Dihydrocodeine	Dihydrocodeine-D6	3.950	7091	23810	0.2978	17.8484 <i>outside P curve range</i>
Noroxycodone	Noroxycodone-D3	4.391	47321	180751	0.2618	10.3751
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.072	1352423	7250348	0.1865	9.6573
Benzoylcegonine	Benzoylcegonine-d8	5.690	12369	72460	0.1707	12.1339
Ketamine	Ketamine-D4	5.942	723185	3577735	0.2021	9.8743
Norfentanyl	Norfentanyl-D5	5.984	60618	4181539	0.0145	1.2020
Cocaine	Cocaine-d3	6.212	266101	3965651	0.0671	10.5313
alpha-PVP	alpha-PVP-d8	6.308	427153	2763375	0.1546	9.1895
Mirtazapine	alpha-PVP-d8	6.604	434151	2763375	0.1571	7.8934
Norbuprenorphine	Norbuprenorphine-D3	6.954	229	28986	0.0079	1.8323 <i>outside P curve range</i>
Fentanyl	Fentanyl-D5	7.058	19380	1214187	0.0160	1.1359
Mitragynine	EDDP-D3	7.136	84707	500968	0.1691	4.8102
EDDP	EDDP-D3	7.169	73076	500968	0.1459	9.0167
Quetiapine	Quetiapine-D8	7.399	934421	957950	0.9754	10.7650
Cyclobenzaprine	Cyclobenzaprine-D3	7.452	128363	618624	0.2075	10.2135
Methadone	Methadone-D9	7.482	664820	2883928	0.2305	9.3918
Fluoxetine	Fluoxetine-D6	7.541	386456	1886914	0.2048	10.1202
Oxazepam	Oxazepam-D5	7.548	32867	187557	0.1752	10.3043

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

bQC 10 (QC1) P

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Buprenorphine	Buprenorphine-D4	7.616	12144	363530	0.0334	1.0224
Sertraline	Sertraline-D3	7.583	142297	757325	0.1879	10.7518
Temazepam	Temazepam-D5	7.605	332526	2172548	0.1531	8.8469
Nordiazepam	Nordiazepam-D5	7.675	105271	328909	0.3201	9.8745
Diazepam	Diazepam-D5	7.731	263999	1239031	0.2131	10.0462

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

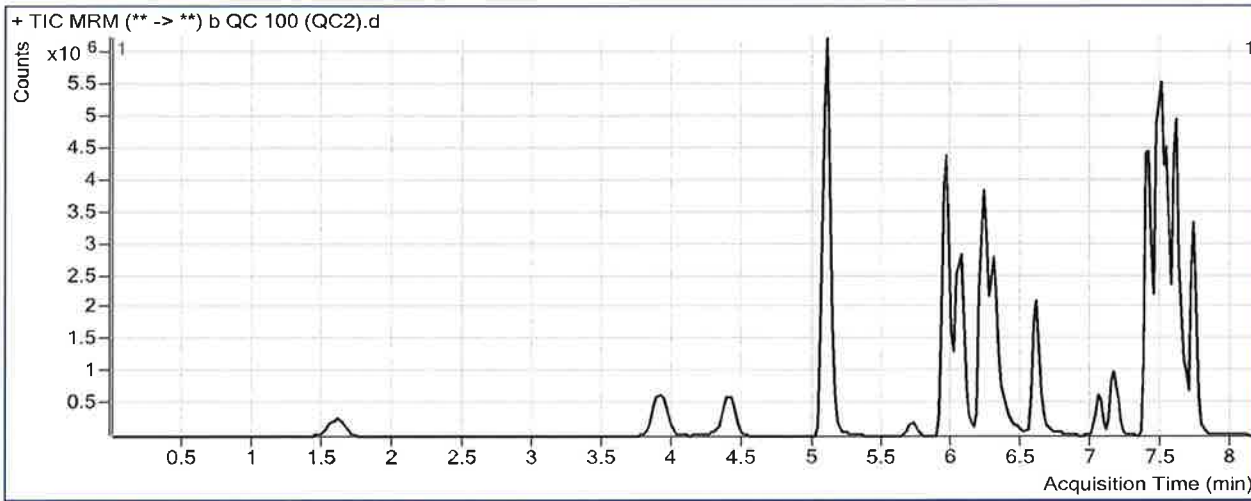
P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1b SP.batch.bin
Analysis Time 7/19/2018 2:53 PM **Analyst Name** ISPUser
Report Time 7/20/2018 12:02 PM **Reporter Name** ISPUser
Last Calib Update 7/19/2018 2:53 PM **Batch State** Processed

Analysis Info

Acq Time 2018-07-19 00:47 **Data File** b QC 100 (QC2).d
Sample Type QC **Sample Name** b QC 100 (QC2)
Dilution 1 **Acq Method** MD Quant Panel 1b 7-11-18.m
Position P1-G11 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist 2579

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.608	1522132	538246	2.8279	87.8341
Dihydrocodeine	Dihydrocodeine-D6	3.910	1694519	840045	2.0172	102.1664
Noroxycodone	Noroxycodone-D3	4.411	2614360	835533	3.1290	90.6850
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.100	17968996	8429805	2.1316	103.0387
Benzoylcegonine	Benzoylcegonine-d8	5.711	240983	75929	3.1738	206.4063
Ketamine	Ketamine-D4	5.962	8832442	3899167	2.2652	100.3186
Norfentanyl	Norfentanyl-D5	5.984	874989	4576531	0.1912	9.1051
Cocaine	Cocaine-d3	6.212	3204831	4167237	0.7691	95.3165
alpha-PVP	alpha-PVP-d8	6.308	5036870	2905720	1.7334	87.4800
Mirtazapine	alpha-PVP-d8	6.604	4939099	2905720	1.6998	76.5912
Norbuprenorphine	Norbuprenorphine-D3	6.954	6030	35172	0.1714	9.6817
Fentanyl	Fentanyl-D5	7.058	296051	1850288	0.1600	9.6261
Mitragynine	EDDP-D3	7.136	1318025	453980	2.9033	80.7571
EDDP	EDDP-D3	7.169	966710	453980	2.1294	103.6311
Quetiapine	Quetiapine-D8	7.399	10765873	1072931	10.0341	103.2794
Cyclobenzaprine	Cyclobenzaprine-D3	7.452	2423833	1003491	2.4154	97.1080
Methadone	Methadone-D9	7.482	8943991	3476526	2.5727	110.1207
Fluoxetine	Fluoxetine-D6	7.521	6871911	3140482	2.1882	99.3266
Oxazepam	Oxazepam-D5	7.548	358408	212241	1.6887	86.8496

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report *bQC 100 (QC2)*

P

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Buprenorphine	Buprenorphine-D4	7.616	183007	490185	0.3733	9.8307
Sertraline	Sertraline-D3	7.583	2723430	1372389	1.9844	94.8205
Temazepam	Temazepam-D5	7.605	4899903	2415620	2.0284	89.3641
Nordiazepam	Nordiazepam-D5	7.675	1455314	371812	3.9141	94.9642
Diazepam	Diazepam-D5	7.731	3637098	1487819	2.4446	89.2297

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

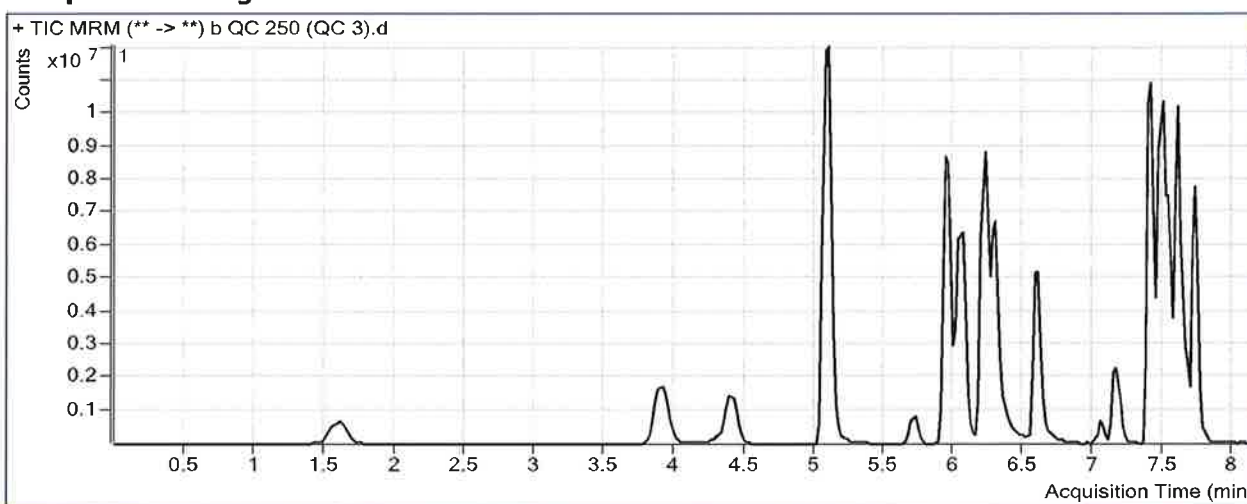
P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1b SP.batch.bin
Analysis Time 7/19/2018 2:53 PM **Analyst Name** ISUser
Report Time 7/20/2018 12:03 PM **Reporter Name** ISUser
Last Calib Update 7/19/2018 2:53 PM **Batch State** Processed

Analysis Info

Acq Time 2018-07-19 04:28 **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 7-11-18.m
Position P1-F11 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist 2579

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.608	4376111	578888	7.5595	229.8463
Dihydrocodeine	Dihydrocodeine-D6	3.910	4738559	895038	5.2943	262.8748
Noroxycodone	Noroxycodone-D3	4.411	6976993	817366	8.5359	242.1355
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.100	47422072	8960245	5.2925	254.7909
Benzoylcegonine	Benzoylcegonine-d8	5.711	989651	81902	12.0834	782.7714 <i>outside D curve range</i>
Ketamine	Ketamine-D4	5.942	24807206	4229299	5.8656	258.1562
Norfentanyl	Norfentanyl-D5	5.984	2503044	4736133	0.5285	24.1922
Cocaine	Cocaine-d3	6.212	8589234	4439089	1.9349	236.1339
alpha-PVP	alpha-PVP-d8	6.308	13586180	2981754	4.5564	227.4639
Mirtazapine	alpha-PVP-d8	6.604	12703884	2981754	4.2605	190.6258
Norbuprenorphine	Norbuprenorphine-D3	6.974	14545	28271	0.5145	26.1493
Fentanyl	Fentanyl-D5	7.038	586475	1340516	0.4375	25.9826
Mitragynine	EDDP-D3	7.136	2867283	501933	5.7125	158.7883
EDDP	EDDP-D3	7.169	2867901	501933	5.7137	274.6013
Quetiapine	Quetiapine-D8	7.399	26530739	1008918	26.2962	269.3618
Cyclobenzaprine	Cyclobenzaprine-D3	7.452	4684285	768701	6.0938	241.8740
Methadone	Methadone-D9	7.482	19244125	2908263	6.6171	284.0567
Fluoxetine	Fluoxetine-D6	7.521	13239415	2227043	5.9448	268.2916
Oxazepam	Oxazepam-D5	7.548	1326110	256733	5.1653	262.6870

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report bQC 250 (QC3)

8

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Buprenorphine	Buprenorphine-D4	7.616	405048	342446	1.1828	30.8052
Sertraline	Sertraline-D3	7.583	5245237	987312	5.3126	250.5618
Temazepam	Temazepam-D5	7.605	13654998	2468343	5.5321	239.7892
Nordiazepam	Nordiazepam-D5	7.675	4030401	384798	10.4741	250.2721
Diazepam	Diazepam-D5	7.731	9846065	1465684	6.7177	240.8591

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

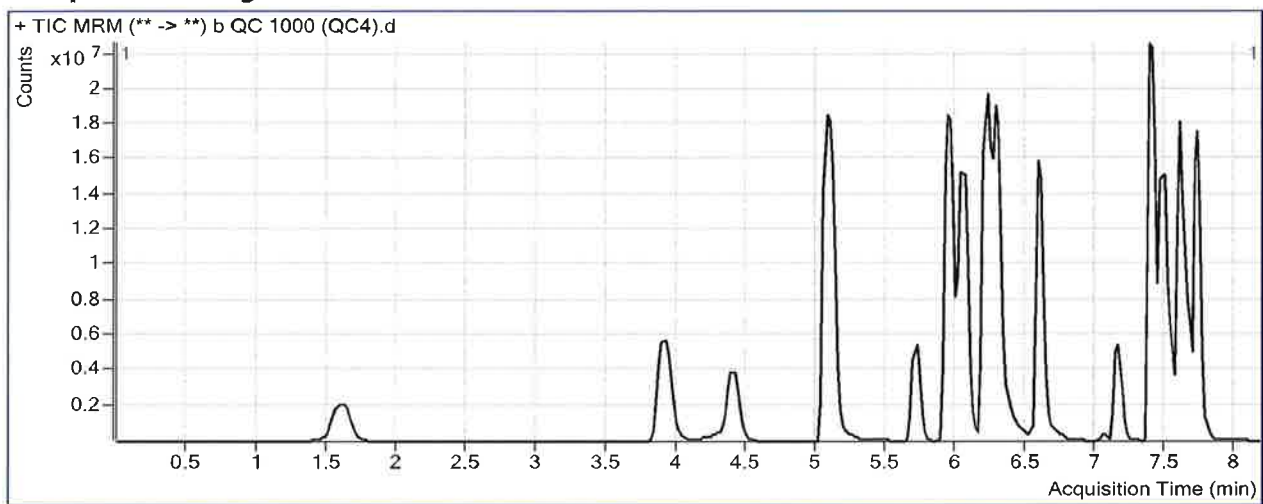
P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1b SP.batch.bin
Analysis Time 7/19/2018 2:53 PM **Analyst Name** ISPUser
Report Time 7/20/2018 12:03 PM **Reporter Name** ISPUser
Last Calib Update 7/19/2018 2:53 PM **Batch State** Processed

Analysis Info

Acq Time 2018-07-19 06:02 **Data File** b QC 1000 (QC4).d
Sample Type QC **Sample Name** b QC 1000 (QC4)
Dilution 1 **Acq Method** MD Quant Panel 1b 7-11-18.m
Position P1-E11 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist 2579

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.608	15497340	522538	29.6578	893.1001
Dihydrocodeine	Dihydrocodeine-D6	3.910	15980897	771621	20.7108	1018.9054
Noroxycodone	Noroxycodone-D3	4.411	19962082	559573	35.6738	1002.2709
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.100	98333468	7171674	13.7114	658.9746
Benzoylcegonine	Benzoylcegonine-d8	5.711	6916533	75085	92.1164	5960.1421
Ketamine	Ketamine-D4	5.942	70188100	3408065	20.5947	903.8750
Norfentanyl	Norfentanyl-D5	5.984	8765194	3577829	2.4499	110.1304
Cocaine	Cocaine-d3	6.212	26210744	3097356	8.4623	1024.5425
alpha-PVP	alpha-PVP-d8	6.308	42290360	2310004	18.3075	909.3344
Mirtazapine	alpha-PVP-d8	6.583	37602985	2310004	16.2783	725.7968
Norbuprenorphine	Norbuprenorphine-D3	6.954	21981	9918	2.2163	107.8341
Fentanyl	Fentanyl-D5	7.058	684224	361065	1.8950	111.8929
Mirtazapine	EDDP-D3	7.136	3780975	386255	9.7888	272.0159
EDDP	EDDP-D3	7.169	9380718	386255	24.2863	1160.5108
Quetiapine	Quetiapine-D8	7.379	60444612	819425	73.7647	754.1490
Cyclobenzaprine	Cyclobenzaprine-D3	7.452	4247542	158031	26.8780	1059.8589
Methadone	Methadone-D9	7.482	31815129	1142767	27.8404	1196.8090
Fluoxetine	Fluoxetine-D6	7.521	6787275	259439	26.1614	1177.5770
Oxazepam	Oxazepam-D5	7.548	4910308	209126	23.4801	1188.9936

outside curve range P
 outside curve range P
 outside curve range P
 outside curve range P
 outside curve range P

ISP FORENSICS - Pocatello Instrument # 59740

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

8

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Buprenorphine	Buprenorphine-D4	7.616	408843	70158	5.8275	151.1553
Sertraline	Sertraline-D3	7.583	2822796	121707	23.1933	1087.2777
Temazepam	Temazepam-D5	7.605	38840654	1766218	21.9909	946.4336
Nordiazepam	Nordiazepam-D5	7.675	12216460	255894	47.7404	1132.5570
Diazepam	Diazepam-D5	7.731	26487672	931890	28.4236	1011.0760

*outside
curve range*

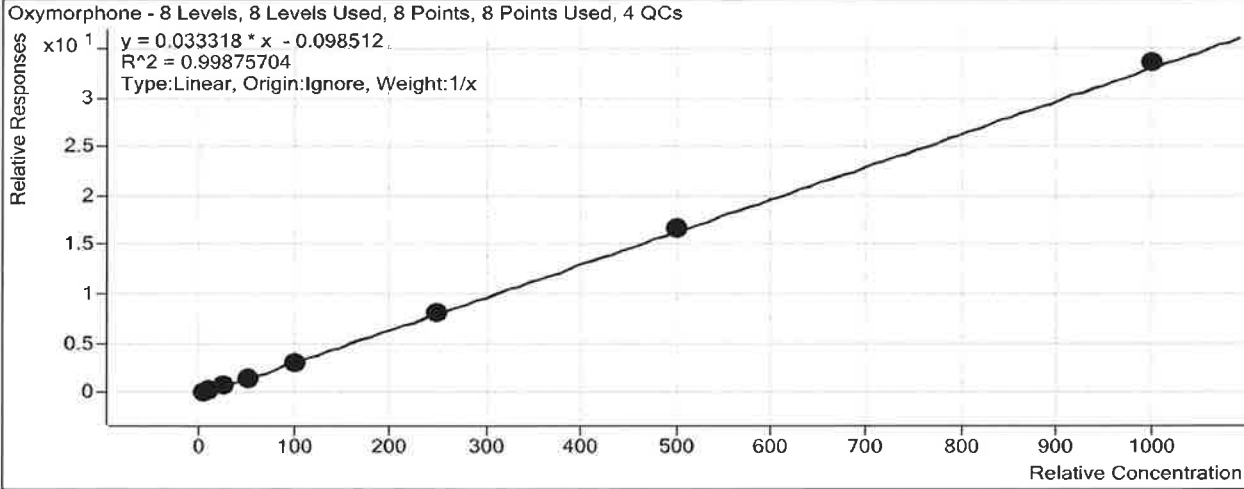
ISP Forensics Calibration Curve Report

P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1b SP.batch.bin

Last Calib Update 7/19/2018 2:53 PM **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	6.4	128.2
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	101.0
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.7	96.7
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	21.6	86.3
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	45.9	91.9
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	91.8	91.8
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	87.8	87.8
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	245.2	98.1
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	229.8	91.9
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	507.9	101.6
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1011.1	101.1
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	893.1	89.3

ISP Forensics Calibration Curve Report

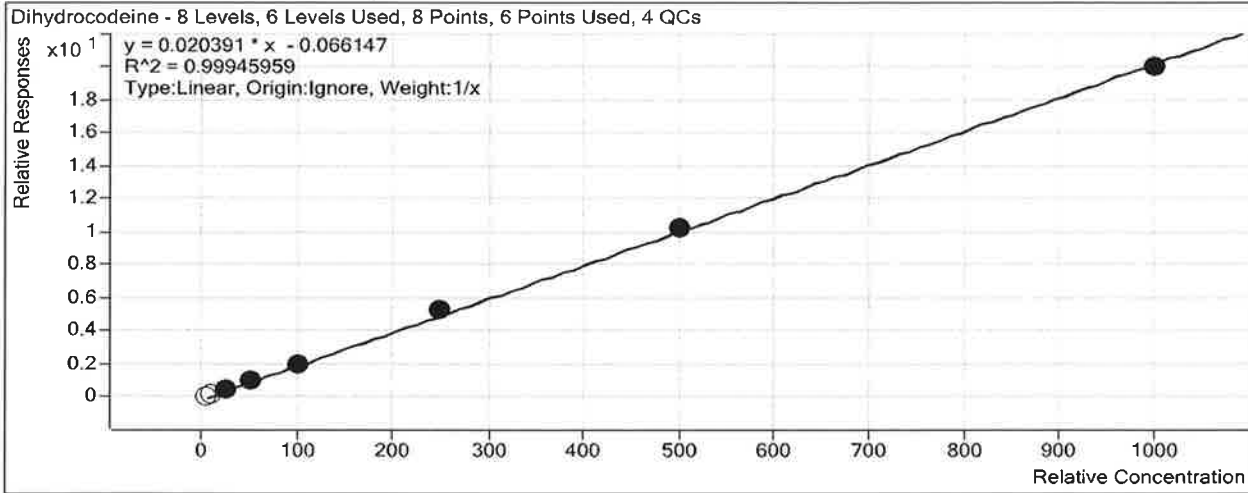
D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1b SP.batch.bin

Last Calib Update 7/19/2018 2:53 PM

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 type="checkbox"/>	5	7.0	139.6
b cal 2-10ng	2	<input type="checkbox"/>	10	11.1	110.5
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	17.8	178.5
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.2	97.0
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.2	98.4
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.8	100.8
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	102.2	102.2
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	260.4	104.2
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	262.9	105.1
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	505.9	101.2
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	984.4	98.4
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1018.9	101.9

ISP Forensics Calibration Curve Report

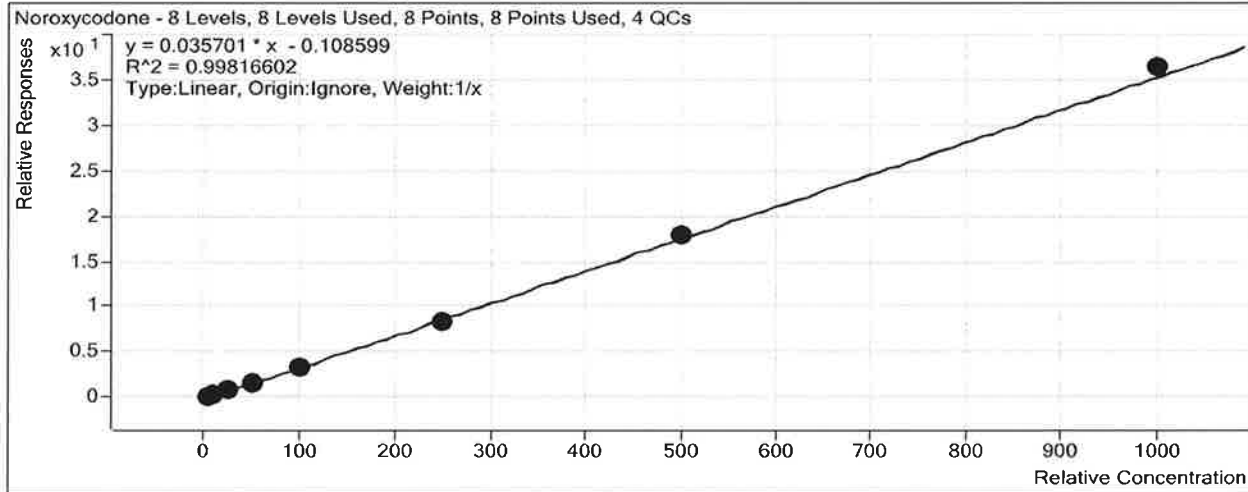
D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1b SP.batch.bin

Last Calib Update 7/19/2018 2:53 PM

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	6.4	128.2
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.3	103.1
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.4	103.8
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	21.8	87.4
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.0	92.1
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	91.9	91.9
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	90.7	90.7
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	235.5	94.2
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	242.1	96.9
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	503.0	100.6
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1025.0	102.5
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1002.3	100.2

ISP Forensics Calibration Curve Report

P

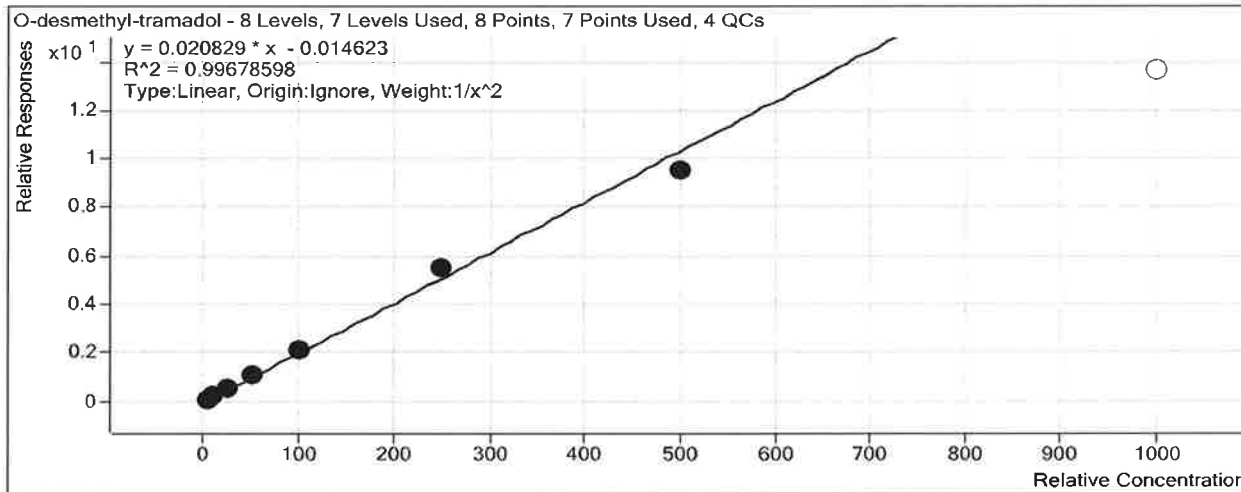
Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1b SP.batch.bin

Last Calib Update 7/19/2018 2:53 PM

Analyst Name ISP TOX

Target Compound *O-desmethyl-tramadol*

Internal Standard *O-desmethyl-tramadol-D6*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.7
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	99.3
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.7	96.6
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.0	96.0
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.6	103.2
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.0	102.0
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	103.0	103.0
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	266.7	106.7
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	254.8	101.9
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	460.7	92.1
b cal 8-1000ng	8	<input type="checkbox"/>	1000	655.2	65.5
b QC 1000 (QC4)	8	<input type="checkbox"/>	1000	659.0	65.9

ISP Forensics Calibration Curve Report

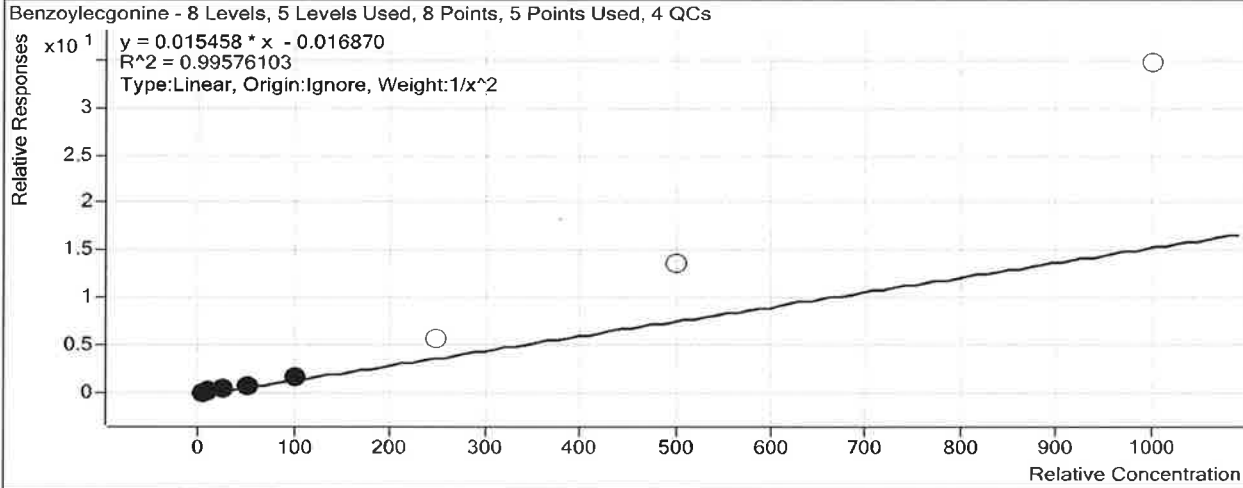
B

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1b SP.batch.bin

Last Calib Update 7/19/2018 2:53 PM

Analyst Name ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.2
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.2	102.0
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	12.1	121.3
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.6	94.2
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.2	96.5
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	107.2	107.2
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	206.4	206.4
b cal 6-250ng	6	<input type="checkbox"/>	250	365.8	146.3
b QC 250 (QC 3)	6	<input type="checkbox"/>	250	782.8	313.1
b cal 7-500ng	7	<input type="checkbox"/>	500	879.8	176.0
b cal 8-1000ng	8	<input type="checkbox"/>	1000	2240.3	224.0
b QC 1000 (QC4)	8	<input type="checkbox"/>	1000	5960.1	596.0

ISP Forensics Calibration Curve Report

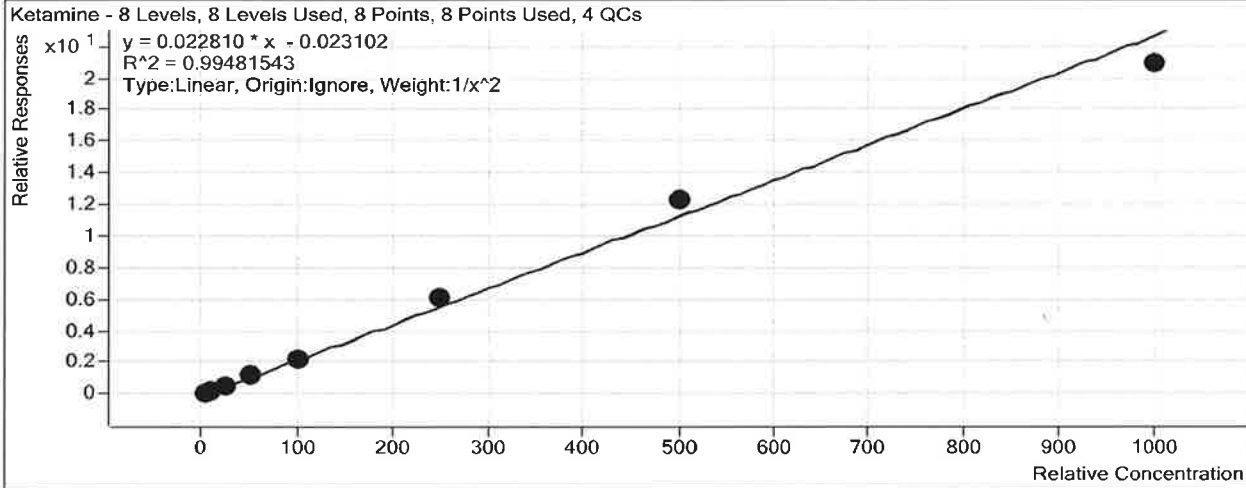
S

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1b SP.batch.bin

Last Calib Update 7/19/2018 2:53 PM

Analyst Name ISP TOX

Target Compound Ketamine
Internal Standard Ketamine-D4



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.0
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	98.8
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.9	98.7
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.9	91.8
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.7	101.4
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.4	98.4
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	100.3	100.3
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	268.4	107.4
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	258.2	103.3
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	543.1	108.6
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	917.0	91.7
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	903.9	90.4

ISP Forensics Calibration Curve Report

P

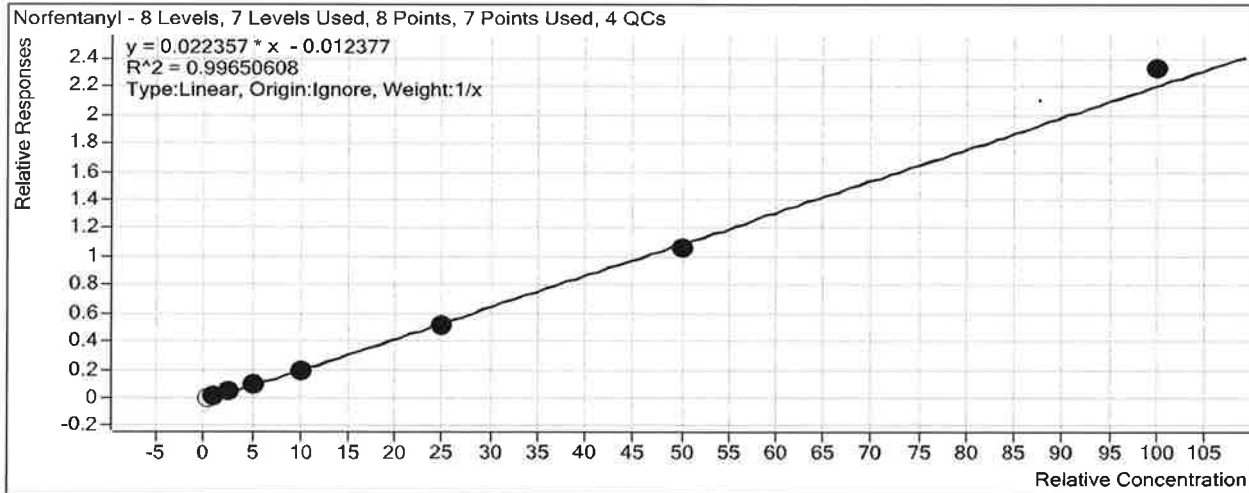
Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1b SP.batch.bin

Last Calib Update 7/23/2018 3:21 PM

Analyst Name ISP TOX

Target Compound *Norfentanyl*

Internal Standard *Norfentanyl-D5*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input type="checkbox"/>	0.5	0.8	167.7
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.2	122.9
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	1	1.2	120.2
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.5	99.4
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.7	93.8
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.0	89.7
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	10	9.1	91.1
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	23.3	93.1
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	25	24.2	96.8
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	48.2	96.3
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	104.7	104.7
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	100	110.1	110.1

ISP Forensics Calibration Curve Report

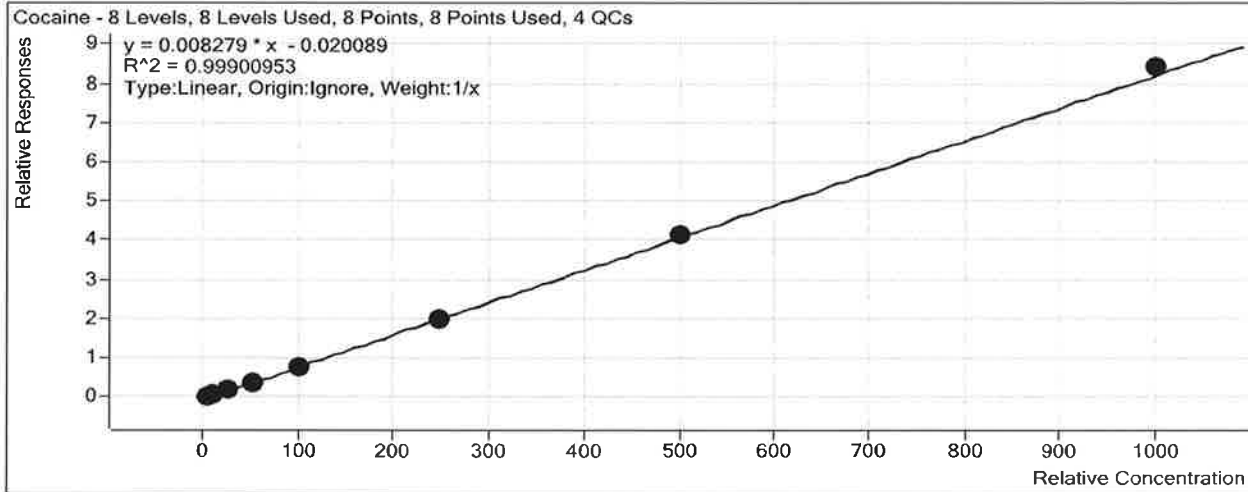
D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1b SP.batch.bin

Last Calib Update 7/19/2018 2:53 PM

Analyst Name ISP TOX

Target Compound Cocaine
Internal Standard Cocaine-d3



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	6.1	122.0
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	100.8
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.5	105.3
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.6	90.5
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.9	95.8
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	91.6	91.6
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	95.3	95.3
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	244.1	97.6
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	236.1	94.5
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	498.7	99.7
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1018.9	101.9
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1024.5	102.5

ISP Forensics Calibration Curve Report

D

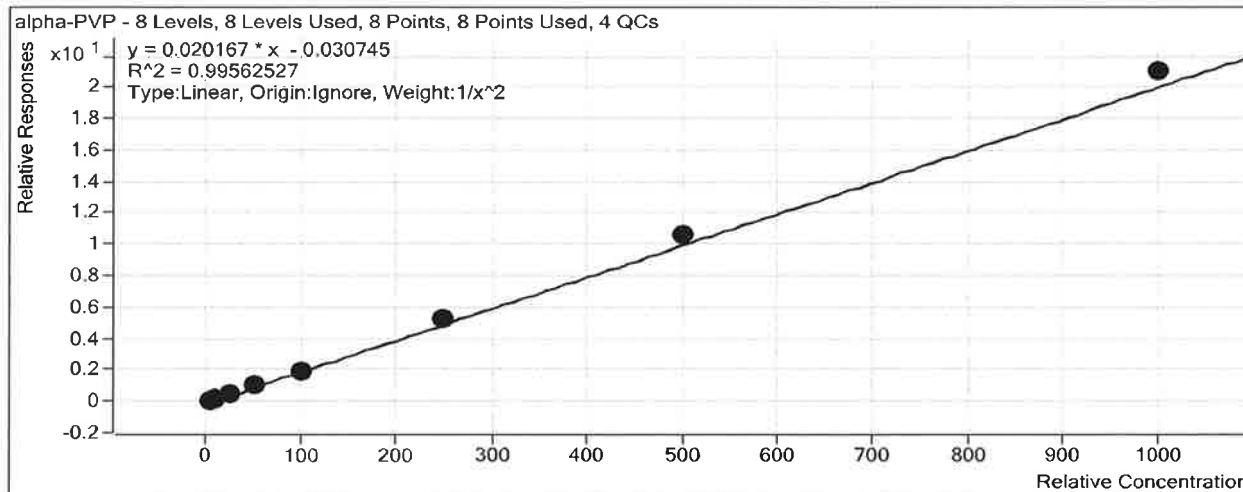
Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1b SP.batch.bin

Last Calib Update 7/19/2018 2:53 PM

Analyst Name ISP TOX

Target Compound *alpha-PVP*

Internal Standard *alpha-PVP-d8*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	103.6
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	97.3
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.2	91.9
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.3	89.0
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.8	99.6
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	95.8	95.8
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	87.5	87.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	261.0	104.4
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	227.5	91.0
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	529.4	105.9
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1043.3	104.3
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	909.3	90.9

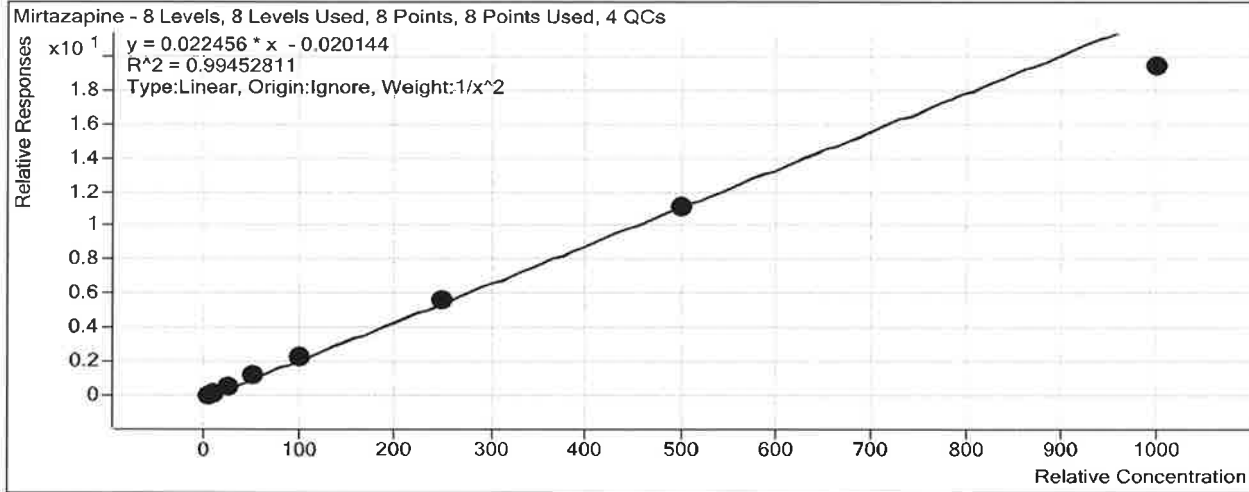
ISP Forensics Calibration Curve Report

B

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1b SP.batch.bin

Last Calib Update 7/19/2018 2:53 PM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	99.6
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	97.5
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	7.9	78.9
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.9	103.4
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	53.2	106.4
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	106.5	106.5
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	76.6	76.6
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	253.5	101.4
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	190.6	76.3
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	494.0	98.8
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	863.4	86.3
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	725.8	72.6

ISP Forensics Calibration Curve Report

P

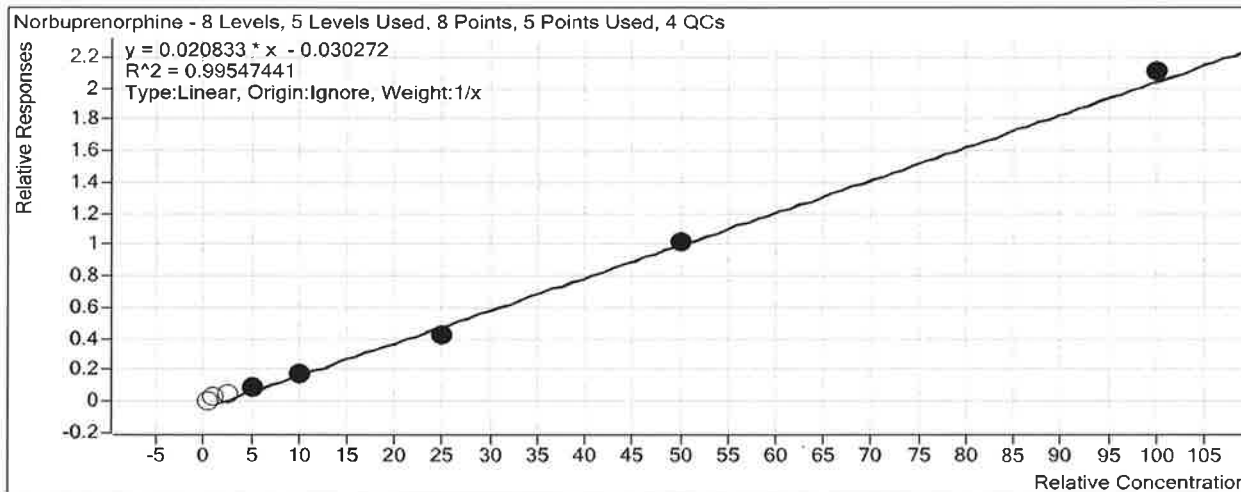
Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1b SP.batch.bin

Last Calib Update 7/19/2018 2:53 PM

Analyst Name ISP TOX

Target Compound *Norbuprenorphine*

Internal Standard *Norbuprenorphine-D3*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input type="checkbox"/>	0.5	1.8	362.7
b cal 2-10ng	2	<input type="checkbox"/>	1	3.1	313.9
b QC 10 (QC1)	2	<input type="checkbox"/>	1	1.8	183.2
b cal 3-25ng	3	<input type="checkbox"/>	2.5	3.8	150.9
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	5.4	108.2
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	10.2	102.2
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	10	9.7	96.8
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	21.6	86.5
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	25	26.1	104.6
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	50.3	100.6
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	102.5	102.5
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	100	107.8	107.8

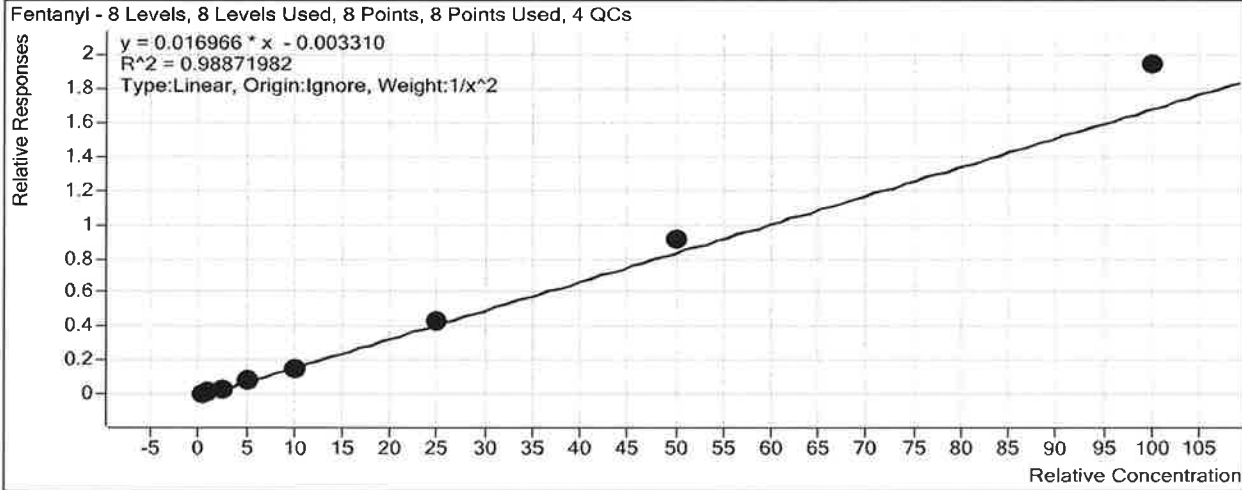
ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1b SP.batch.bin

Last Calib Update 7/19/2018 2:53 PM

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	105.7
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	0.9	94.9
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	1	1.1	113.6
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.2	86.7
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.9	97.1
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.2	91.5
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	10	9.6	96.3
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	25.3	101.2
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	25	26.0	103.9
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	54.0	108.1
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	114.8	114.8
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	100	111.9	111.9

ISP Forensics Calibration Curve Report

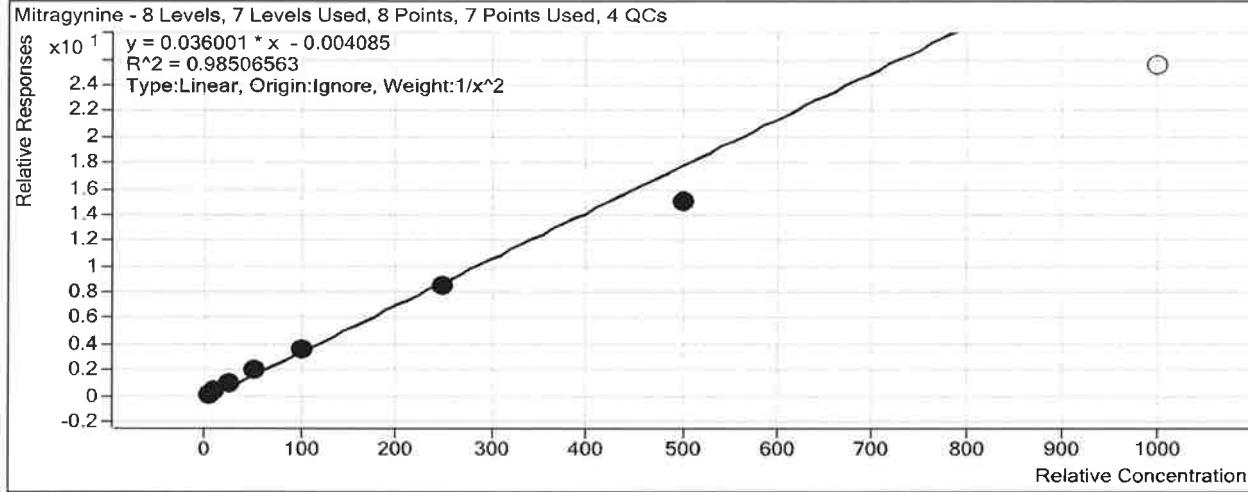
P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1b SP.batch.bin

Last Calib Update 7/19/2018 2:53 PM

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	4.8	95.7
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.5	105.0
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	4.8	48.1
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.2	100.7
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	58.8	117.6
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.6	102.6
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	80.8	80.8
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	236.4	94.6
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	158.8	63.5
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	419.2	83.8
b cal 8-1000ng	8	<input type="checkbox"/>	1000	709.1	70.9
b QC 1000 (QC4)	8	<input type="checkbox"/>	1000	272.0	27.2

ISP Forensics Calibration Curve Report

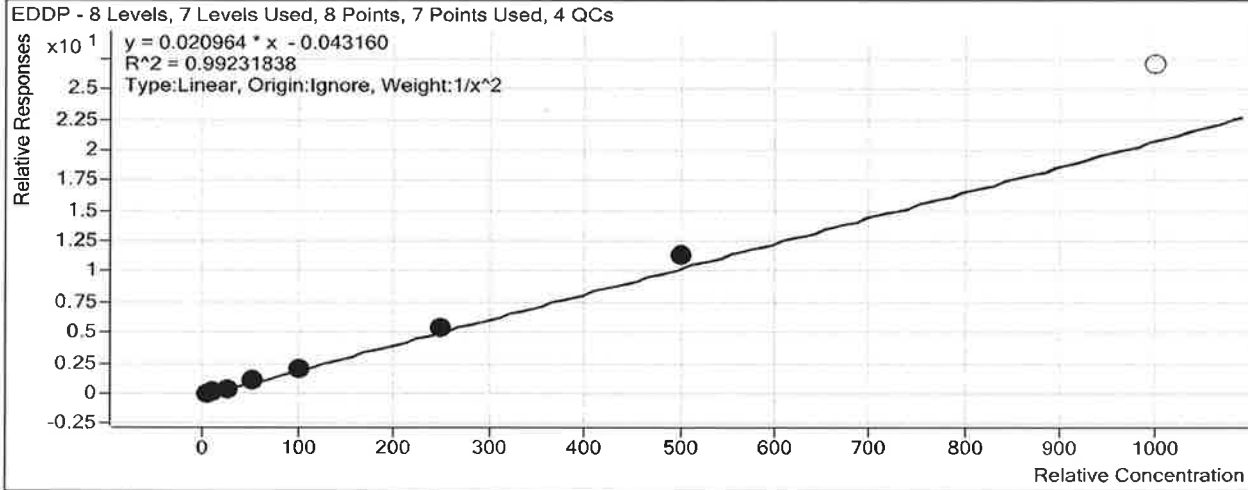
P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1b SP.batch.bin

Last Calib Update 7/19/2018 2:53 PM

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	104.6
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.5	95.3
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.0	90.2
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	21.8	87.2
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.7	103.4
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	96.3	96.3
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	103.6	103.6
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	259.8	103.9
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	274.6	109.8
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	546.1	109.2
b cal 8-1000ng	8	<input type="checkbox"/>	1000	1292.0	129.2
b QC 1000 (QC4)	8	<input type="checkbox"/>	1000	1160.5	116.1

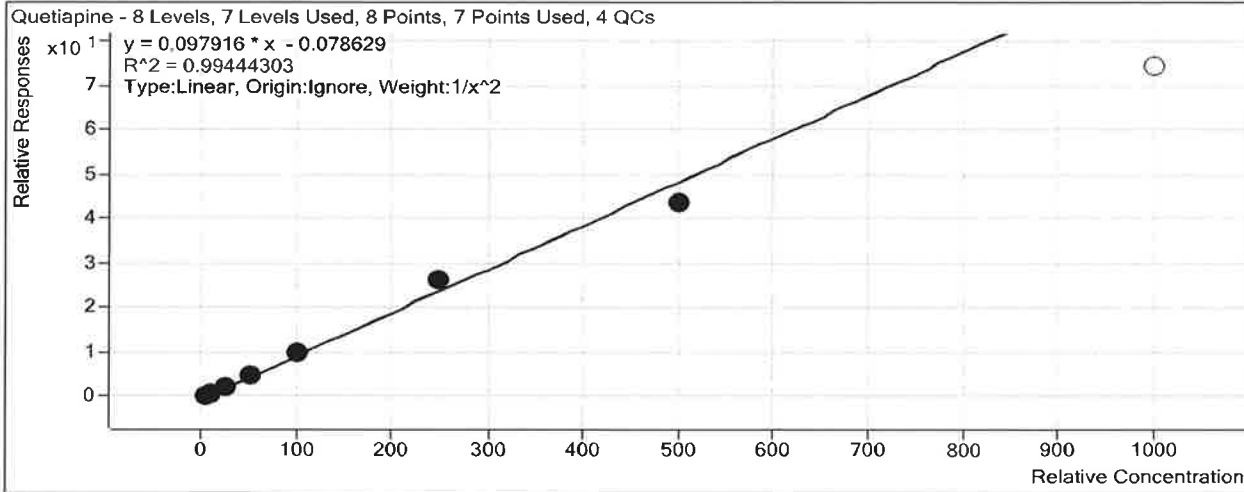
ISP Forensics Calibration Curve Report

D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1b SP.batch.bin

Last Calib Update 7/19/2018 2:53 PM **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	5.1	101.6
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	97.0
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.8	107.7
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.0	95.9
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.3	104.5
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.1	103.1
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	103.3	103.3
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	270.9	108.3
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	269.4	107.7
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	447.1	89.4
b cal 8-1000ng	8	<input type="checkbox"/>	1000	759.4	75.9
b QC 1000 (QC4)	8	<input type="checkbox"/>	1000	754.1	75.4

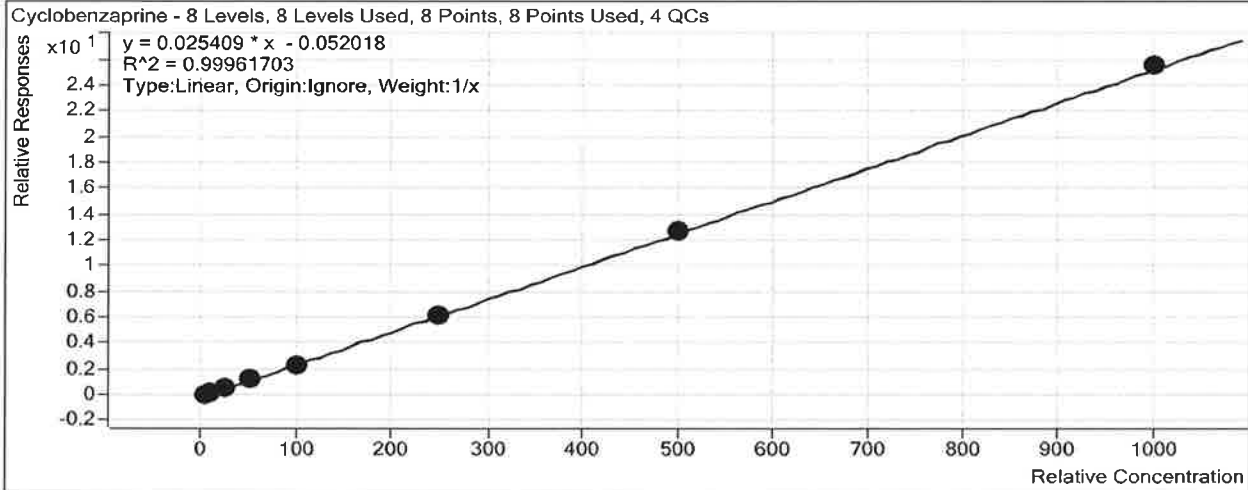
ISP Forensics Calibration Curve Report

P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1b SP.batch.bin

Last Calib Update 7/19/2018 2:53 PM **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	5.7	114.5
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	100.4
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.2	102.1
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.9	91.6
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.2	98.5
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	94.3	94.3
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	97.1	97.1
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	249.0	99.6
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	241.9	96.7
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	502.7	100.5
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1006.1	100.6
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1059.9	106.0

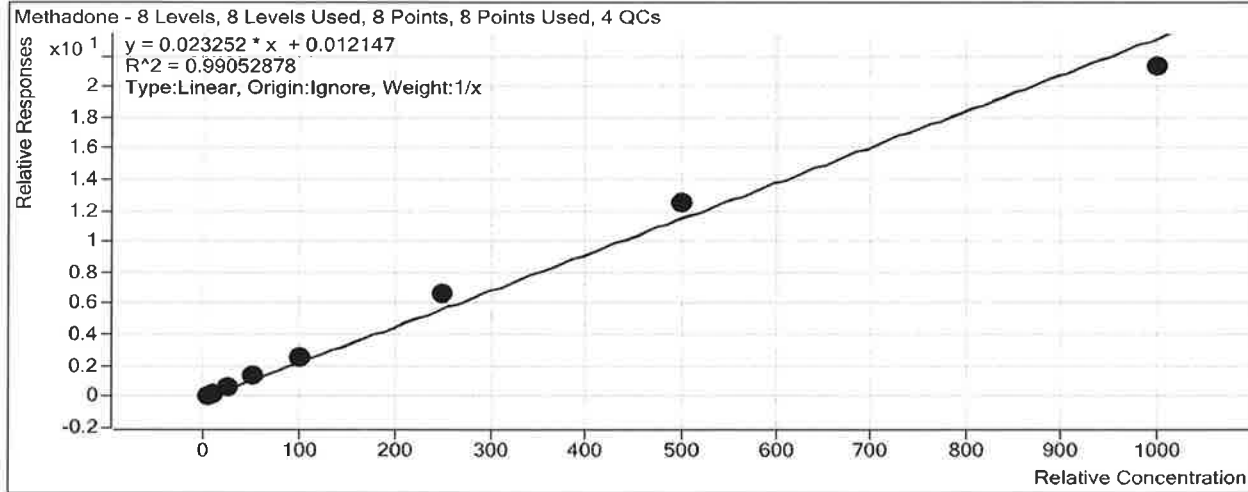
ISP Forensics Calibration Curve Report

P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1b SP.batch.bin

Last Calib Update 7/19/2018 2:53 PM **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	4.0	79.5
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.1	90.8
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.4	93.9
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.0	96.1
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	56.1	112.2
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	108.0	108.0
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	110.1	110.1
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	286.6	114.7
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	284.1	113.6
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	536.8	107.4
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	915.5	91.5
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1196.8	119.7

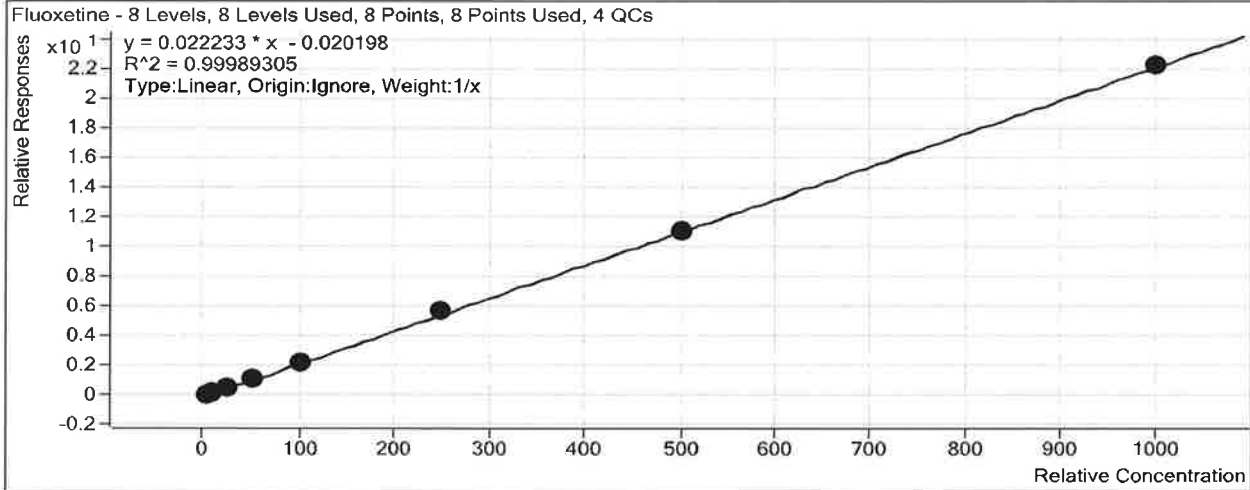
ISP Forensics Calibration Curve Report

D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1b SP.batch.bin

Last Calib Update 7/19/2018 2:53 PM **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	5.1	102.0
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	96.7
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.1	101.2
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.7	102.8
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.8	99.6
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.4	97.4
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	99.3	99.3
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	254.7	101.9
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	268.3	107.3
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	499.1	99.8
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	998.6	99.9
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1177.6	117.8

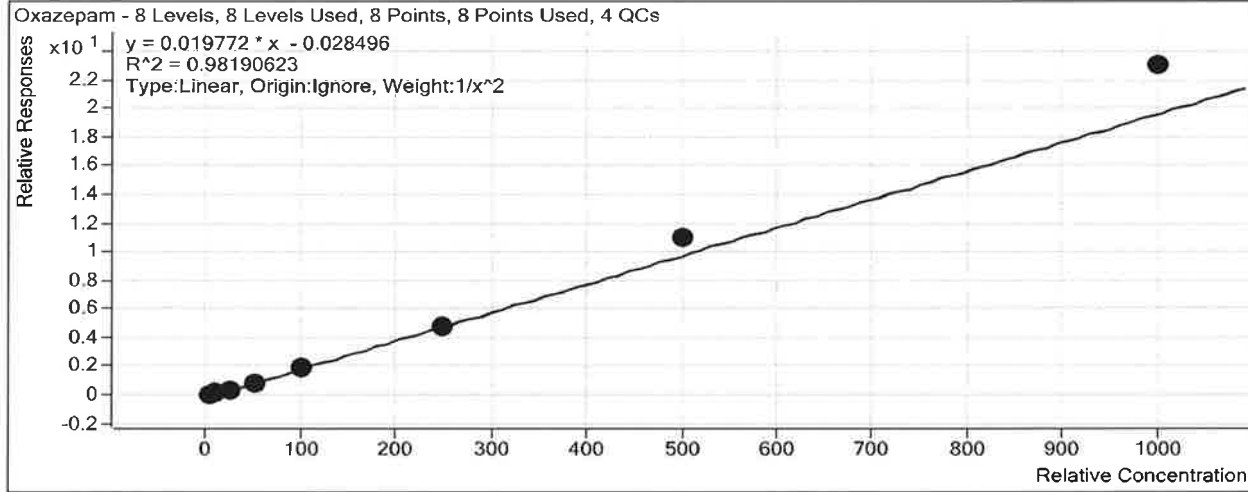
ISP Forensics Calibration Curve Report

P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1b SP.batch.bin

Last Calib Update 7/19/2018 2:53 PM **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	5.4	108.6
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.1	91.3
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.3	103.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	20.7	82.7
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	45.0	90.1
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.1	102.1
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	86.8	86.8
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	262.7	105.1
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	559.8	112.0
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1163.9	116.4
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1189.0	118.9

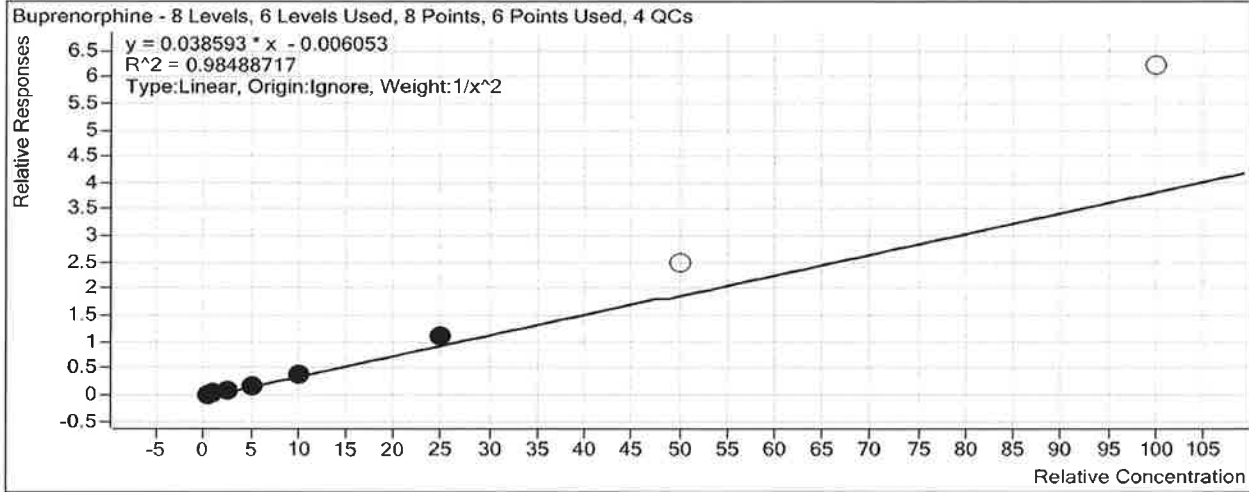
ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1b SP.batch.bin

Last Calib Update 7/19/2018 2:53 PM

Analyst Name ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	0.5	0.5	104.6
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.0	95.9
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	1	1.0	102.2
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.2	87.7
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.8	96.6
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.8	97.8
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	10	9.8	98.3
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	29.4	117.4
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	25	30.8	123.2
b cal 7-500ng	7	<input type="checkbox"/>	50	64.7	129.4
b cal 8-1000ng	8	<input type="checkbox"/>	100	161.0	161.0
b QC 1000 (QC4)	8	<input type="checkbox"/>	100	151.2	151.2

ISP Forensics Calibration Curve Report

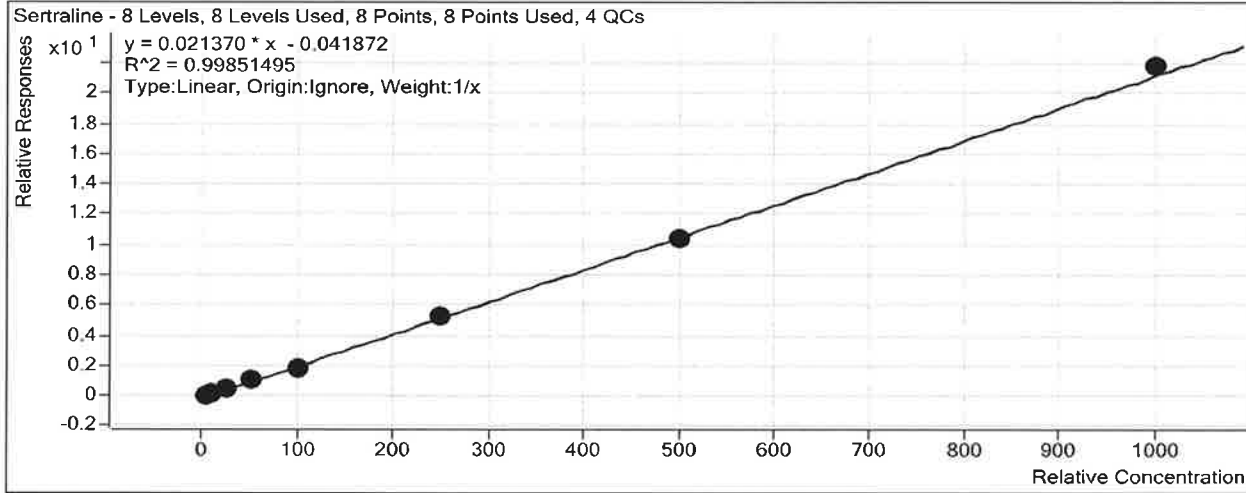
D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1b SP.batch.bin

Last Calib Update 7/19/2018 2:53 PM

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	116.7
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.3	102.9
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.8	107.5
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.1	92.5
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.6	99.3
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	87.6	87.6
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	94.8	94.8
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	252.8	101.1
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	250.6	100.2
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	488.5	97.7
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1022.3	102.2
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1087.3	108.7

ISP Forensics Calibration Curve Report

P

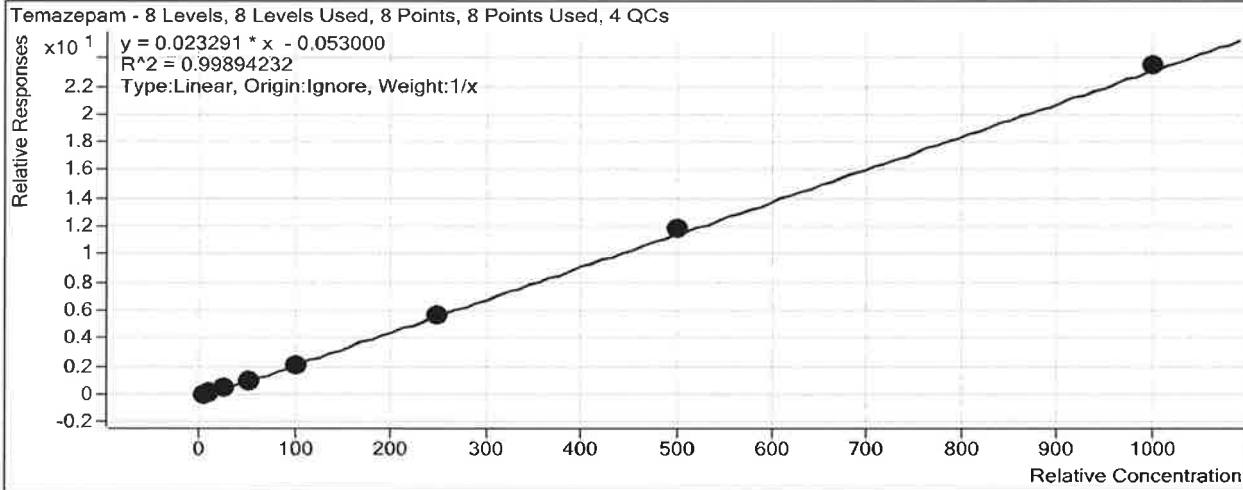
Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1b SP.batch.bin

Last Calib Update 7/19/2018 2:53 PM

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	120.2
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.5	104.9
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	8.8	88.5
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.3	89.2
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.0	94.0
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	91.3	91.3
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	89.4	89.4
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	243.7	97.5
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	239.8	95.9
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	509.0	101.8
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1010.2	101.0
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	946.4	94.6

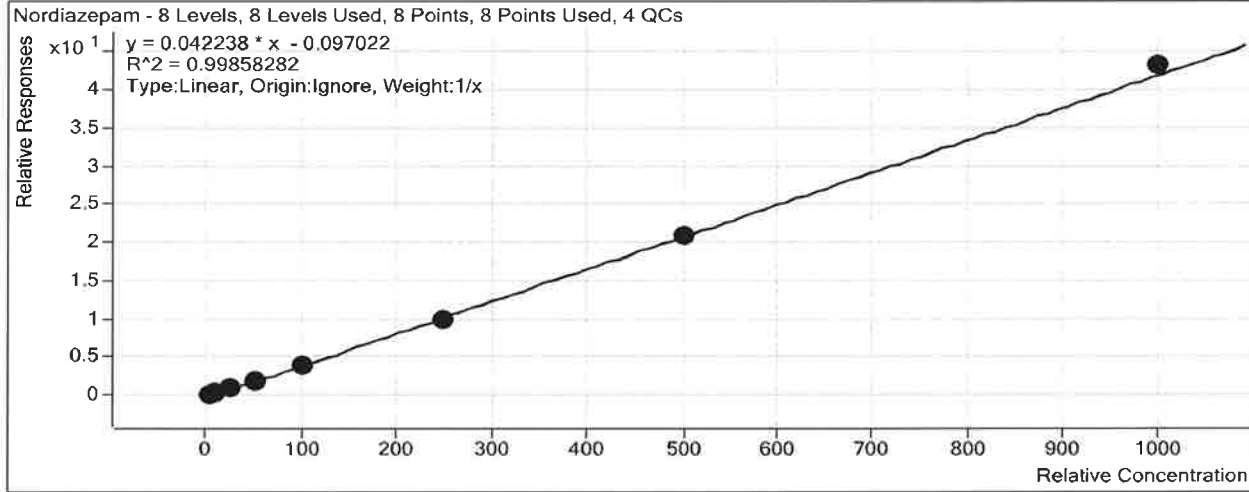
ISP Forensics Calibration Curve Report

D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1b SP.batch.bin

Last Calib Update 7/19/2018 2:53 PM **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	6.4	127.1
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	100.4
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.9	98.7
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.2	88.8
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	45.2	90.4
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	96.4	96.4
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	95.0	95.0
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	237.8	95.1
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	250.3	100.1
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	497.2	99.4
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1024.9	102.5
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1132.6	113.3

ISP Forensics Calibration Curve Report

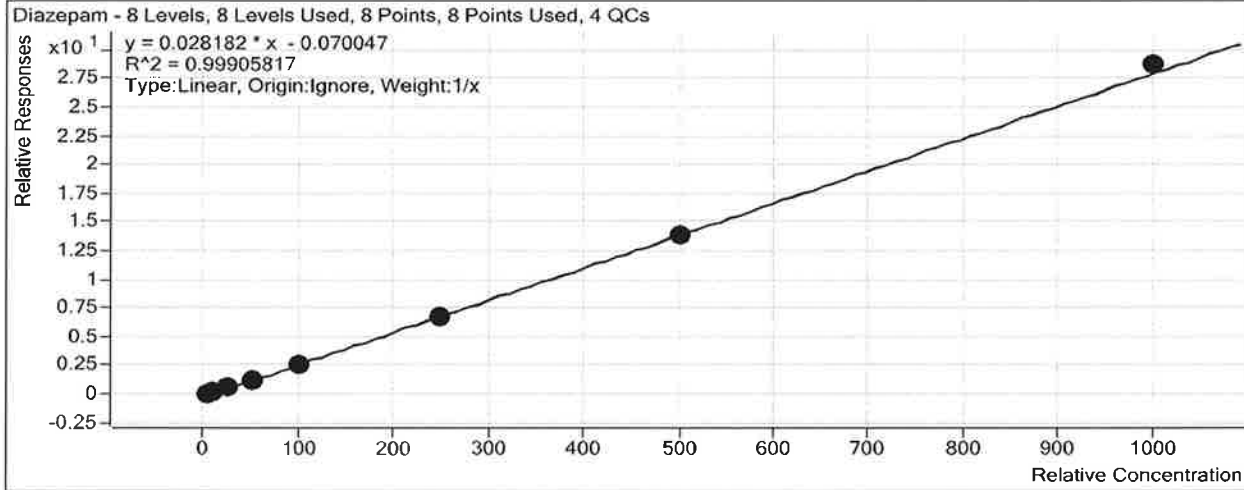
P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1b SP.batch.bin

Last Calib Update 7/19/2018 2:53 PM

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	6.0	119.3
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.5	105.4
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.0	100.5
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.4	89.7
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.2	92.4
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	94.3	94.3
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	89.2	89.2
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	244.5	97.8
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	240.9	96.3
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	495.8	99.2
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1020.3	102.0
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1011.1	101.1

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

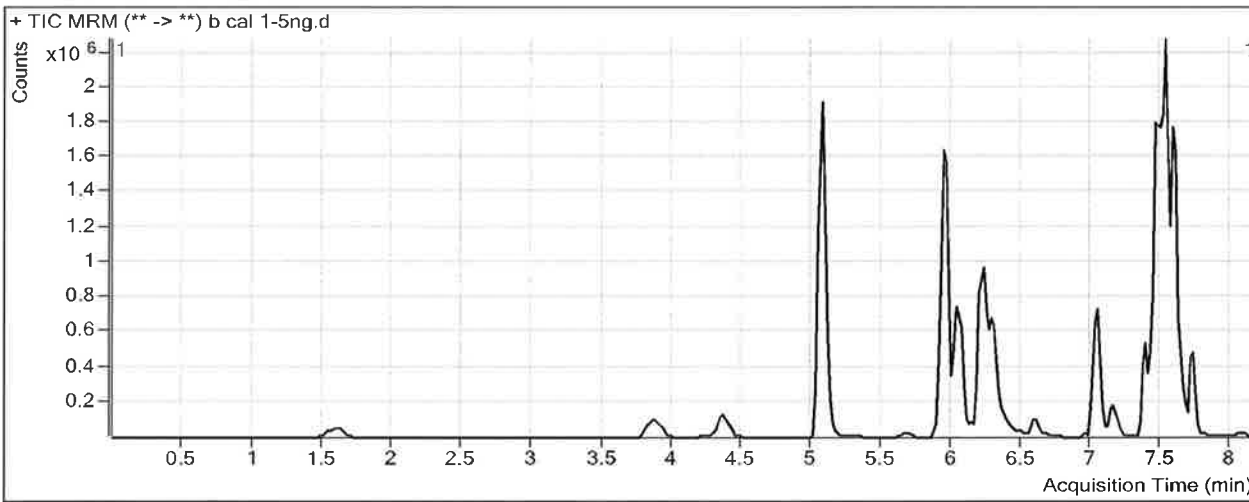
D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1b SP.batch.bin
Analysis Time 7/19/2018 2:53 PM **Analyst Name** ISPUser
Report Time 7/20/2018 12:01 PM **Reporter Name** ISPUser
Last Calib Update 7/19/2018 2:53 PM **Batch State** Processed

Analysis Info

Acq Time 2018-07-18 15:53 **Data File** b cal 1-5ng.d
Sample Type Calibration **Sample Name** b cal 1-5ng
Dilution 1 **Acq Method** MD Quant Panel 1b 7-11-18.m
Position P1-H12 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist 2579

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.608	50249	436543	0.1151	6.4115
Dihydrocodeine	Dihydrocodeine-D6	3.910	51482	675721	0.0762	6.9802
Noroxycodone	Noroxycodone-D3	4.391	84734	704893	0.1202	6.4090
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.072	648272	7184675	0.0902	5.0339
Benzoylcegonine	Benzoylcegonine-d8	5.711	4042	66761	0.0605	5.0076
Ketamine	Ketamine-D4	5.942	317074	3401373	0.0932	5.0995
Norfentanyl	Norfentanyl-D5	5.984	24142	3789074	0.0064	0.8386
Cocaine	Cocaine-d3	6.212	118065	3880247	0.0304	6.1016
alpha-PVP	alpha-PVP-d8	6.308	184729	2504730	0.0738	5.1817
Mirtazapine	alpha-PVP-d8	6.583	229734	2504730	0.0917	4.9815
Norbuprenorphine	Norbuprenorphine-D3	6.974	382	50855	0.0075	1.8134
Fentanyl	Fentanyl-D5	7.038	15143	2675802	0.0057	0.5286
Mitragynine	EDDP-D3	7.136	83027	493444	0.1683	4.7872
EDDP	EDDP-D3	7.169	32792	493444	0.0665	5.2286
Quetiapine	Quetiapine-D8	7.379	498477	1189761	0.4190	5.0819
Cyclobenzaprine	Cyclobenzaprine-D3	7.452	142140	1520908	0.0935	5.7253
Methadone	Methadone-D9	7.482	494701	4732230	0.1045	3.9735
Fluoxetine	Fluoxetine-D6	7.521	498565	5352047	0.0932	5.0983
Oxazepam	Oxazepam-D5	7.548	14586	185039	0.0788	5.4280

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report *b cal I*

P

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Buprenorphine	Buprenorphine-D4	7.616	10667	754766	0.0141	0.5230
Sertraline	Sertraline-D3	7.583	195488	2359402	0.0829	5.8365
Temazepam	Temazepam-D5	7.605	176481	2028196	0.0870	6.0114
Nordiazepam	Nordiazepam-D5	7.675	54352	317227	0.1713	6.3534
Diazepam	Diazepam-D5	7.731	119193	1215370	0.0981	5.9656

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

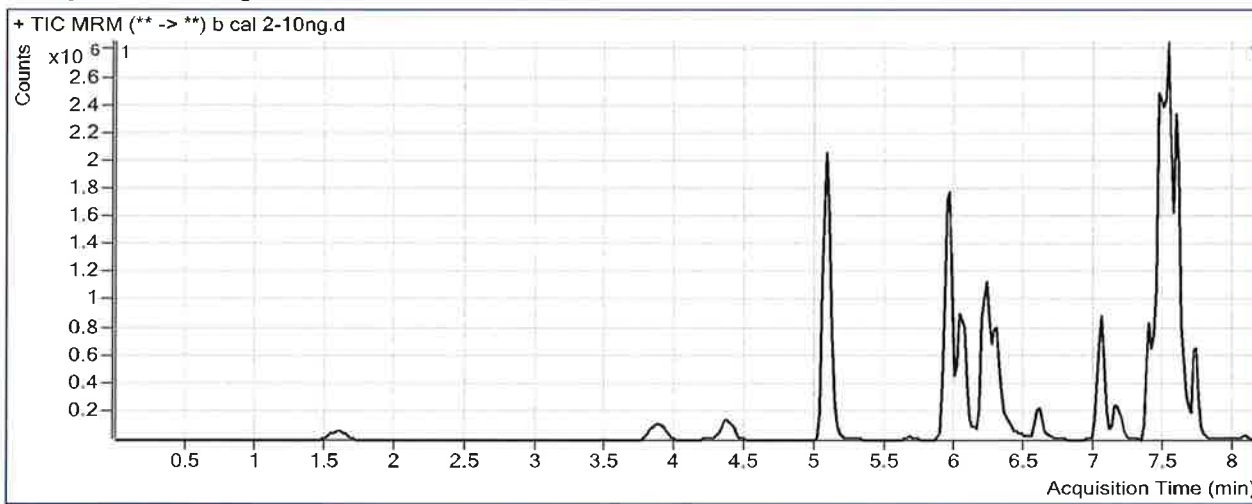
P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1b SP.batch.bin
Analysis Time 7/19/2018 2:53 PM **Analyst Name** ISPUser
Report Time 7/20/2018 12:01 PM **Reporter Name** ISPUser
Last Calib Update 7/19/2018 2:53 PM **Batch State** Processed

Analysis Info

Acq Time 2018-07-18 16:24 **Data File** b cal 2-10ng.d
Sample Type Calibration **Sample Name** b cal 2-10ng
Dilution 1 **Acq Method** MD Quant Panel 1b 7-11-18.m
Position P1-G12 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist 2579

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.608	105295	442566	0.2379	10.0976
Dihydrocodeine	Dihydrocodeine-D6	3.910	108880	683855	0.1592	11.0518
Noroxycodone	Noroxycodone-D3	4.391	187165	720908	0.2596	10.3140
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.072	1410848	7340076	0.1922	9.9300
Benzoylcegonine	Benzoylcegonine-d8	5.690	8564	60825	0.1408	10.1991
Ketamine	Ketamine-D4	5.942	692199	3421718	0.2023	9.8813
Norfentanyl	Norfentanyl-D5	5.984	59619	3948053	0.0151	1.2290
Cocaine	Cocaine-d3	6.212	247084	3900616	0.0633	10.0776
alpha-PVP	alpha-PVP-d8	6.308	436602	2639126	0.1654	9.7279
Mirtazapine	alpha-PVP-d8	6.604	524944	2639126	0.1989	9.7548
Norbuprenorphine	Norbuprenorphine-D3	6.974	1851	52700	0.0351	3.1391
Fentanyl	Fentanyl-D5	7.038	36829	2877936	0.0128	0.9494
Mitragynine	EDDP-D3	7.136	202594	541814	0.3739	10.4997
EDDP	EDDP-D3	7.169	84870	541814	0.1566	9.5304
Quetiapine	Quetiapine-D8	7.379	1168998	1341705	0.8713	9.7012
Cyclobenzaprine	Cyclobenzaprine-D3	7.452	351201	1729327	0.2031	10.0399
Methadone	Methadone-D9	7.482	1226605	5494480	0.2232	9.0786
Fluoxetine	Fluoxetine-D6	7.521	1225587	6294184	0.1947	9.6663
Oxazepam	Oxazepam-D5	7.548	30144	198305	0.1520	9.1292

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

b cal 2 B

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Buprenorphine	Buprenorphine-D4	7.616	28672	926087	0.0310	0.9591
Sertraline	Sertraline-D3	7.583	502201	2819986	0.1781	10.2928
Temazepam	Temazepam-D5	7.605	404148	2111726	0.1914	10.4924
Nordiazepam	Nordiazepam-D5	7.675	116785	357208	0.3269	10.0373
Diazepam	Diazepam-D5	7.731	285513	1258441	0.2269	10.5362

ISP FORENSICS - Pocatello Instrument # 59740

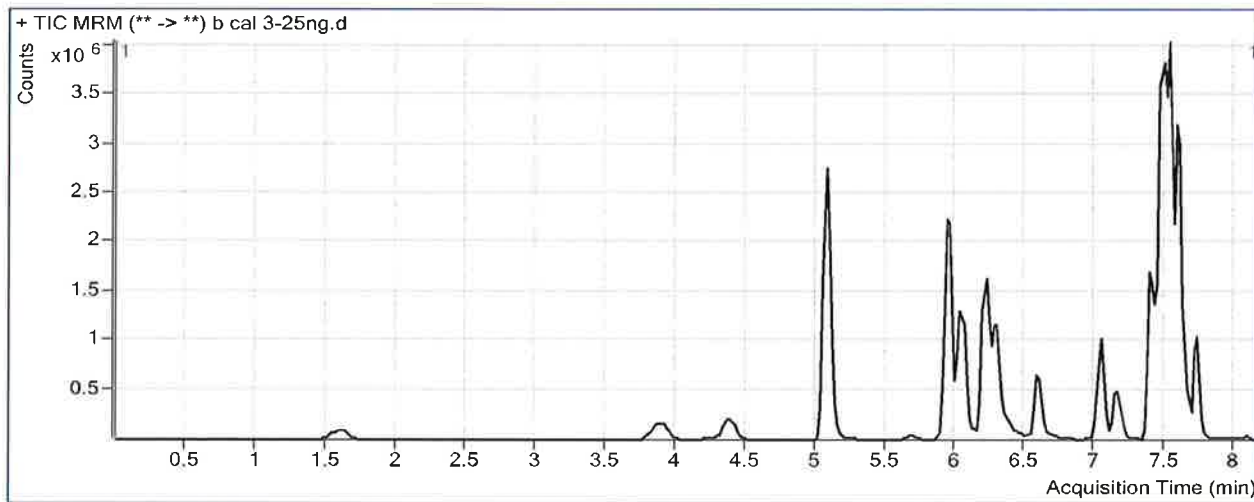
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1b SP.batch.bin
Analysis Time 7/19/2018 2:53 PM **Analyst Name** ISPUser
Report Time 7/20/2018 12:01 PM **Reporter Name** ISPUser
Last Calib Update 7/19/2018 2:53 PM **Batch State** Processed

Analysis Info

Acq Time 2018-07-18 16:56 **Data File** b cal 3-25ng.d
Sample Type Calibration **Sample Name** b cal 3-25ng
Dilution 1 **Acq Method** MD Quant Panel 1b 7-11-18.m
Position P1-F12 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist 2579

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.608	282738	455551	0.6207	21.5848
Dihydrocodeine	Dihydrocodeine-D6	3.910	306672	715969	0.4283	24.2493
Noroxycodone	Noroxycodone-D3	4.391	509477	758921	0.6713	21.8456
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.072	3772047	7776200	0.4851	23.9902
Benzoylcegonine	Benzoylcegonine-d8	5.690	23527	67733	0.3473	23.5612
Ketamine	Ketamine-D4	5.942	1906903	3811952	0.5002	22.9432
Norfentanyl	Norfentanyl-D5	5.984	187014	4330317	0.0432	2.4853
Cocaine	Cocaine-d3	6.212	702070	4198312	0.1672	22.6249
alpha-PVP	alpha-PVP-d8	6.308	1211235	2896999	0.4181	22.2568
Mirtazapine	alpha-PVP-d8	6.583	1624058	2896999	0.5606	25.8615
Norbuprenorphine	Norbuprenorphine-D3	6.934	2977	61607	0.0483	3.7728
Fentanyl	Fentanyl-D5	7.038	105614	3155732	0.0335	2.1677
Mitragynine	EDDP-D3	7.136	564841	625998	0.9023	25.1767
EDDP	EDDP-D3	7.169	259171	625998	0.4140	21.8070
Quetiapine	Quetiapine-D8	7.399	3341856	1472317	2.2698	23.9840
Cyclobenzaprine	Cyclobenzaprine-D3	7.452	1032335	1948003	0.5299	22.9038
Methadone	Methadone-D9	7.482	3610397	6328092	0.5705	24.0146
Fluoxetine	Fluoxetine-D6	7.521	3420637	6205208	0.5513	25.7023
Oxazepam	Oxazepam-D5	7.548	78222	205624	0.3804	20.6813

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

b cal 3

D

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Buprenorphine	Buprenorphine-D4	7.616	77243	982908	0.0786	2.1931
Sertraline	Sertraline-D3	7.583	1398204	3091958	0.4522	23.1202
Temazepam	Temazepam-D5	7.605	1025564	2197883	0.4666	22.3092
Nordiazepam	Nordiazepam-D5	7.675	319165	379781	0.8404	22.1934
Diazepam	Diazepam-D5	7.731	746471	1329108	0.5616	22.4147

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

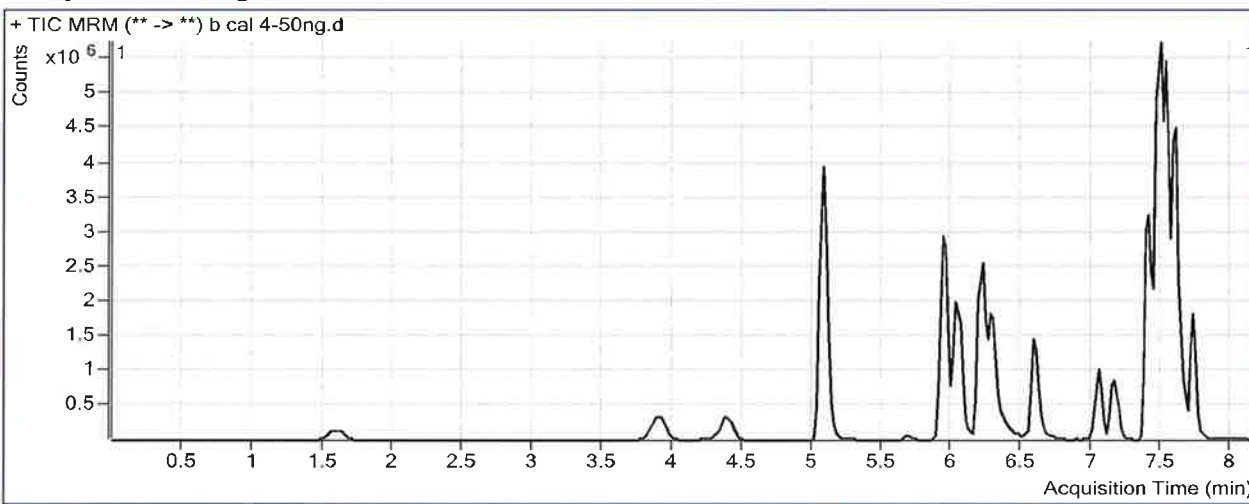
P

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1b SP.batch.bin		
Analysis Time	7/19/2018 2:53 PM	Analyst Name	ISPUser
Report Time	7/20/2018 12:01 PM	Reporter Name	ISPUser
Last Calib Update	7/19/2018 2:53 PM	Batch State	Processed

Analysis Info

Acq Time	2018-07-18 17:27	Data File	b cal 4-50ng.d
Sample Type	Calibration	Sample Name	b cal 4-50ng
Dilution	1	Acq Method	MD Quant Panel 1b 7-11-18.m
Position	P1-E12	Sample Info	
Inj Vol	-1	Comment	AM 28 worklist 2579

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.608	679166	474385	1.4317	45.9268
Dihydrocodeine	Dihydrocodeine-D6	3.910	699067	746203	0.9368	49.1863
Noroxycodone	Noroxycodone-D3	4.391	1195442	778695	1.5352	46.0428
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.072	8441800	7959678	1.0606	51.6193
Benzoylcegonine	Benzoylcegonine-d8	5.690	49875	68452	0.7286	48.2253
Ketamine	Ketamine-D4	5.942	4250522	3750675	1.1333	50.6947
Norfentanyl	Norfentanyl-D5	5.984	405287	4380161	0.0925	4.6922
Cocaine	Cocaine-d3	6.212	1650478	4384613	0.3764	47.8929
alpha-PVP	alpha-PVP-d8	6.308	2818901	2894827	0.9738	49.8108
Mirtazapine	alpha-PVP-d8	6.583	3398799	2894827	1.1741	53.1813
Norbuprenorphine	Norbuprenorphine-D3	6.954	5316	64447	0.0825	5.4124
Fentanyl	Fentanyl-D5	7.058	254209	3217031	0.0790	4.8527
Mitragynine	EDDP-D3	7.136	1251819	592631	2.1123	58.7868
EDDP	EDDP-D3	7.169	616997	592631	1.0411	51.7197
Quetiapine	Quetiapine-D8	7.399	7189401	1427166	5.0375	52.2505
Cyclobenzaprine	Cyclobenzaprine-D3	7.452	2172974	1812602	1.1988	49.2279
Methadone	Methadone-D9	7.482	7715507	5862094	1.3162	56.0820
Fluoxetine	Fluoxetine-D6	7.521	6982697	6424523	1.0869	49.7935
Oxazepam	Oxazepam-D5	7.548	186570	216505	0.8617	45.0251

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

bcq/4

P

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Buprenorphine	Buprenorphine-D4	7.616	165696	919044	0.1803	4.8285
Sertraline	Sertraline-D3	7.583	2901269	2847920	1.0187	49.6305
Temazepam	Temazepam-D5	7.605	2367131	2273022	1.0414	46.9872
Nordiazepam	Nordiazepam-D5	7.675	667092	368269	1.8114	45.1828
Diazepam	Diazepam-D5	7.731	1686082	1368496	1.2321	46.2046

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

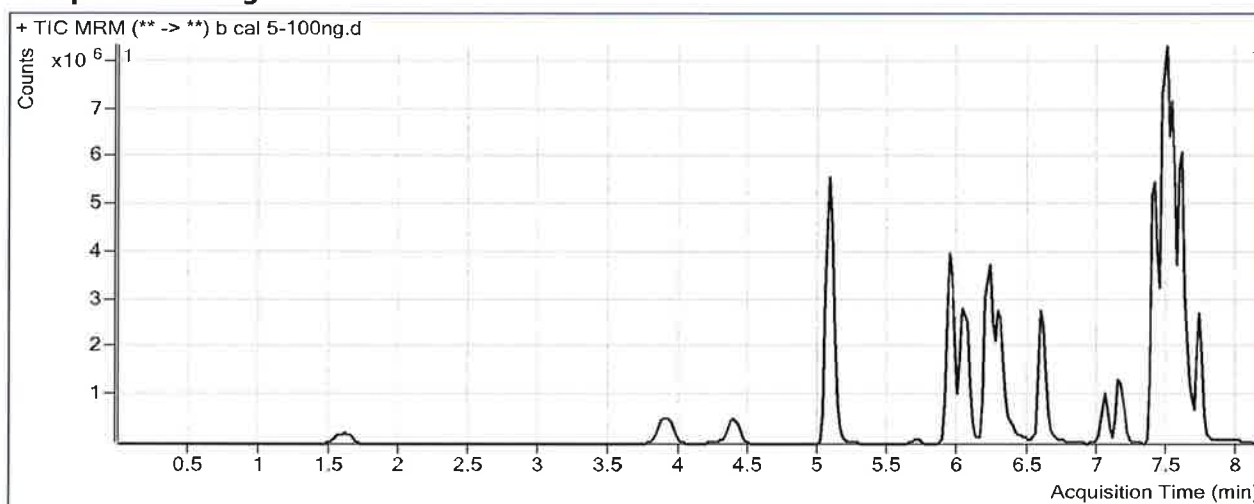
P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1b SP.batch.bin
Analysis Time 7/19/2018 2:53 PM **Analyst Name** ISUser
Report Time 7/20/2018 12:01 PM **Reporter Name** ISUser
Last Calib Update 7/19/2018 2:53 PM **Batch State** Processed

Analysis Info

Acq Time 2018-07-18 17:59 **Data File** b cal 5-100ng.d
Sample Type Calibration **Sample Name** b cal 5-100ng
Dilution 1 **Acq Method** MD Quant Panel 1b 7-11-18.m
Position P1-D12 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist 2579

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.608	1284338	433647	2.9617	91.8490
Dihydrocodeine	Dihydrocodeine-D6	3.910	1400569	703691	1.9903	100.8493
Noroxycodone	Noroxycodone-D3	4.391	2208500	696074	3.1728	91.9125
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.072	15824247	7498710	2.1103	102.0142
Benzoylcegonine	Benzoylcegonine-d8	5.690	108321	66063	1.6397	107.1612
Ketamine	Ketamine-D4	5.942	8045281	3622782	2.2207	98.3693
Norfentanyl	Norfentanyl-D5	5.984	759026	4032713	0.1882	8.9721
Cocaine	Cocaine-d3	6.212	3046742	4124930	0.7386	91.6401
alpha-PVP	alpha-PVP-d8	6.308	5205484	2737892	1.9013	95.8027
Mirtazapine	alpha-PVP-d8	6.583	6489816	2737892	2.3704	106.4534
Norbuprenorphine	Norbuprenorphine-D3	6.954	9830	53801	0.1827	10.2235
Fentanyl	Fentanyl-D5	7.038	448767	2953478	0.1519	9.1512
Mitragynine	EDDP-D3	7.136	2088834	566235	3.6890	102.5821
EDDP	EDDP-D3	7.169	1118862	566235	1.9760	96.3120
Quetiapine	Quetiapine-D8	7.399	12943989	1291748	10.0205	103.1409
Cyclobenzaprine	Cyclobenzaprine-D3	7.452	3821799	1631146	2.3430	94.2591
Methadone	Methadone-D9	7.482	13478614	5343272	2.5225	107.9643
Fluoxetine	Fluoxetine-D6	7.521	11615777	5412078	2.1463	97.4420
Oxazepam	Oxazepam-D5	7.548	382096	192051	1.9896	102.0668

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

bcql 5

P

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Buprenorphine	Buprenorphine-D4	7.616	257486	693507	0.3713	9.7773
Sertraline	Sertraline-D3	7.583	4247692	2322068	1.8293	87.5592
Temazepam	Temazepam-D5	7.605	4308093	2076607	2.0746	91.3459
Nordiazepam	Nordiazepam-D5	7.675	1249735	314444	3.9744	96.3921
Diazepam	Diazepam-D5	7.731	2895174	1119377	2.5864	94.2625

ISP FORENSICS - Pocatello Instrument # 59740

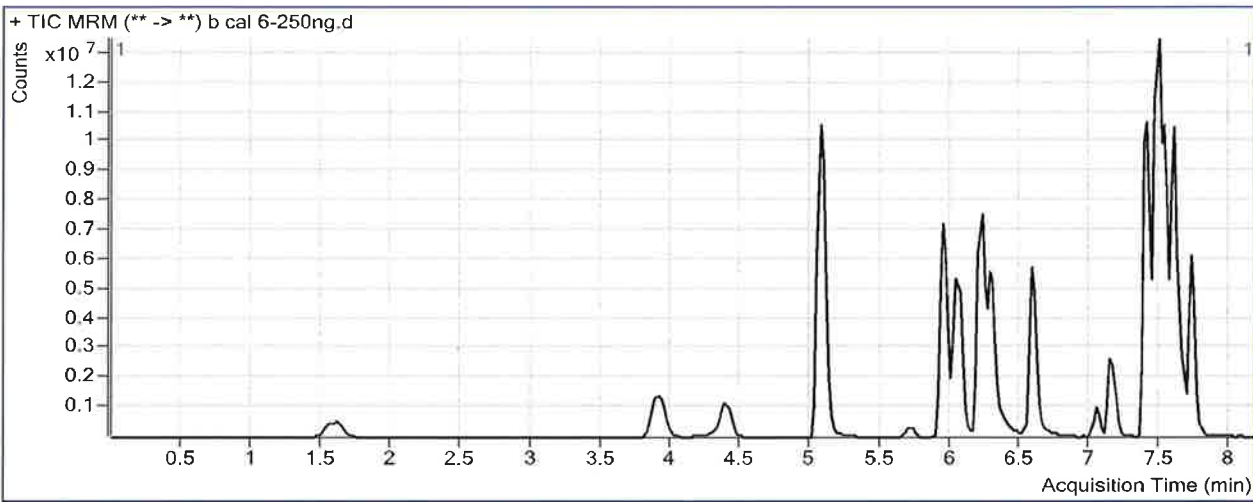
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1b SP.batch.bin
Analysis Time 7/19/2018 2:53 PM **Analyst Name** ISPUser
Report Time 7/20/2018 12:02 PM **Reporter Name** ISPUser
Last Calib Update 7/19/2018 2:53 PM **Batch State** Processed

Analysis Info

Acq Time 2018-07-18 18:30 **Data File** b cal 6-250ng.d
Sample Type Calibration **Sample Name** b cal 6-250ng
Dilution 1 **Acq Method** MD Quant Panel 1b 7-11-18.m
Position P1-C12 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist 2579

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.608	3397255	420982	8.0698	245.1628
Dihydrocodeine	Dihydrocodeine-D6	3.910	3545473	676139	5.2437	260.3959
Noroxycodone	Noroxycodone-D3	4.391	5230123	630137	8.3000	235.5259
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.072	38803274	7003846	5.5403	266.6867
Benzoylcegonine	Benzoylcegonine-d8	5.690	361984	64209	5.6376	365.7917
Ketamine	Ketamine-D4	5.942	20084668	3293269	6.0987	268.3770
Norfentanyl	Norfentanyl-D5	5.984	1823047	3588291	0.5081	23.2777
Cocaine	Cocaine-d3	6.212	7345319	3670977	2.0009	244.1066
alpha-PVP	alpha-PVP-d8	6.308	11927417	2278955	5.2337	261.0482
Mirtazapine	alpha-PVP-d8	6.583	12928935	2278955	5.6732	253.5331
Norbuprenorphine	Norbuprenorphine-D3	6.954	16452	39147	0.4203	21.6257
Fentanyl	Fentanyl-D5	7.038	855182	2008562	0.4258	25.2911
Mitragynine	EDDP-D3	7.136	4042659	475220	8.5069	236.4094
EDDP	EDDP-D3	7.169	2567953	475220	5.4037	259.8148
Quetiapine	Quetiapine-D8	7.399	26215107	991401	26.4425	270.8555
Cyclobenzaprine	Cyclobenzaprine-D3	7.452	6952295	1107789	6.2758	249.0393
Methadone	Methadone-D9	7.482	25177693	3770741	6.6771	286.6401
Fluoxetine	Fluoxetine-D6	7.521	19966301	3539145	5.6416	254.6510
Oxazepam	Oxazepam-D5	7.548	854373	179340	4.7640	242.3890

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

b cal 6 P

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Buprenorphine	Buprenorphine-D4	7.616	528706	469196	1.1268	29.3548
Sertraline	Sertraline-D3	7.583	8013462	1495022	5.3601	252.7825
Temazepam	Temazepam-D5	7.605	10571838	1880198	5.6227	243.6824
Nordiazepam	Nordiazepam-D5	7.675	3121892	313909	9.9452	237.7511
Diazepam	Diazepam-D5	7.731	7471064	1095272	6.8212	244.5306

ISP FORENSICS - Pocatello Instrument # 59740

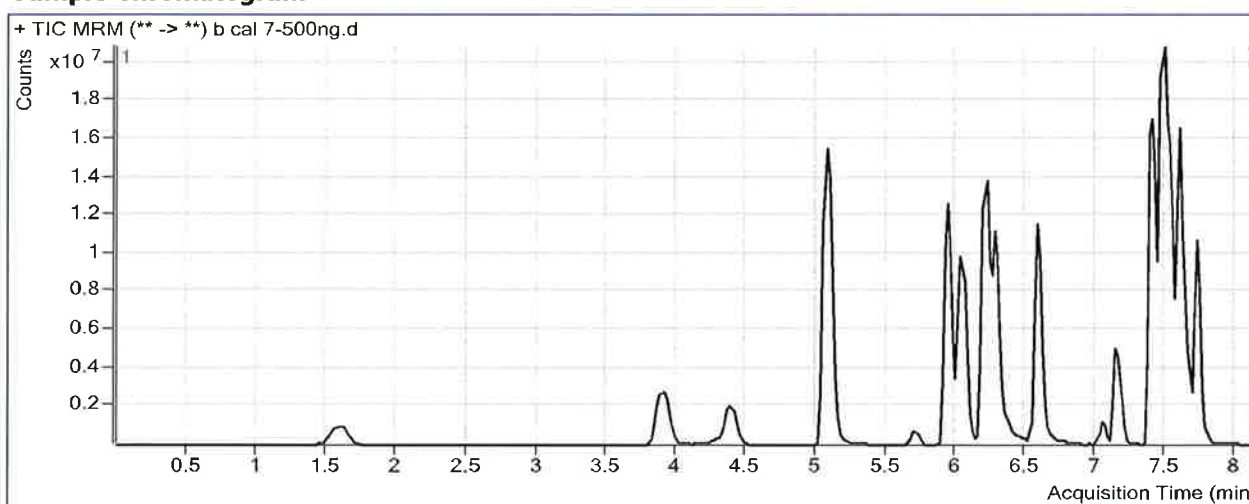
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1b SP.batch.bin
Analysis Time 7/19/2018 2:53 PM **Analyst Name** ISPUser
Report Time 7/20/2018 12:02 PM **Reporter Name** ISPUser
Last Calib Update 7/19/2018 2:53 PM **Batch State** Processed

Analysis Info

Acq Time 2018-07-18 19:02 **Data File** b cal 7-500ng.d
Sample Type Calibration **Sample Name** b cal 7-500ng
Dilution 1 **Acq Method** MD Quant Panel 1b 7-11-18.m
Position P1-B12 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist 2579

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.608	6930923	411974	16.8237	507.8989
Dihydrocodeine	Dihydrocodeine-D6	3.910	7010062	683906	10.2500	505.9070
Noroxycodone	Noroxycodone-D3	4.391	10185129	570679	17.8474	502.9509
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.072	66765899	6968746	9.5808	460.6673
Benzoylcegonine	Benzoylcegonine-d8	5.690	859308	63264	13.5828	879.7676
Ketamine	Ketamine-D4	5.942	39678737	3209018	12.3648	543.0779
Norfentanyl	Norfentanyl-D5	5.984	3735299	3508768	1.0646	48.1690
Cocaine	Cocaine-d3	6.212	14813053	3605354	4.1086	498.6857
alpha-PVP	alpha-PVP-d8	6.287	24953510	2343915	10.6461	529.4298
Mirtazapine	alpha-PVP-d8	6.583	25955784	2343915	11.0737	494.0261
Norbuprenorphine	Norbuprenorphine-D3	6.974	34251	33673	1.0171	50.2759
Fentanyl	Fentanyl-D5	7.038	1568226	1716441	0.9137	54.0483
Mitragynine	EDDP-D3	7.136	7218615	478488	15.0863	419.1635
EDDP	EDDP-D3	7.169	5457337	478488	11.4054	546.0921
Quetiapine	Quetiapine-D8	7.399	41462329	948706	43.7041	447.1454
Cyclobenzaprine	Cyclobenzaprine-D3	7.452	12189614	958256	12.7206	502.6810
Methadone	Methadone-D9	7.482	42251711	3381992	12.4931	536.7695
Fluoxetine	Fluoxetine-D6	7.521	30384016	2743189	11.0762	499.0851
Oxazepam	Oxazepam-D5	7.548	1920585	173961	11.0403	559.8251

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

b cal 7

D

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Buprenorphine	Buprenorphine-D4	7.616	842043	337996	2.4913	64.7097
Sertraline	Sertraline-D3	7.583	11453547	1101596	10.3972	488.4925
Temazepam	Temazepam-D5	7.605	19882346	1684541	11.8028	509.0194
Nordiazepam	Nordiazepam-D5	7.675	5914424	282945	20.9031	497.1811
Diazepam	Diazepam-D5	7.731	13560656	975509	13.9011	495.7557

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

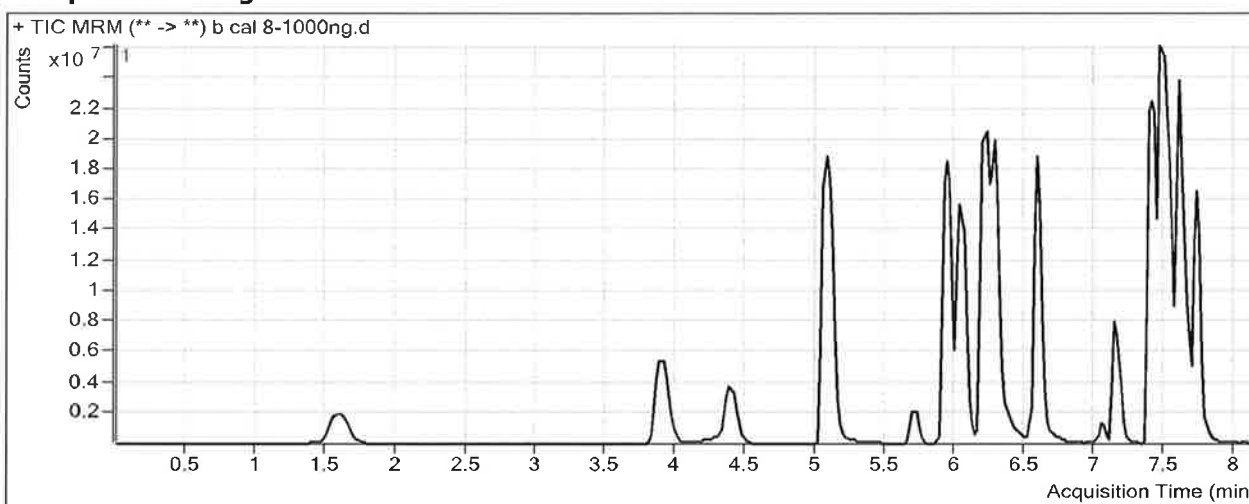
S

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071818 MDQ P1 SP\QuantResults\MDQ P1b SP.batch.bin
Analysis Time 7/19/2018 2:53 PM **Analyst Name** ISPUser
Report Time 7/20/2018 12:02 PM **Reporter Name** ISPUser
Last Calib Update 7/19/2018 2:53 PM **Batch State** Processed

Analysis Info

Acq Time 2018-07-18 19:33 **Data File** b cal 8-1000ng.d
Sample Type Calibration **Sample Name** b cal 8-1000ng
Dilution 1 **Acq Method** MD Quant Panel 1b 7-11-18.m
Position P1-A12 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist 2579

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.608	14662169	436526	33.5883	1011.0685
Dihydrocodeine	Dihydrocodeine-D6	3.910	14640791	731767	20.0075	984.4122
Noroxycodone	Noroxycodone-D3	4.391	18380110	503769	36.4852	1024.9994
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.072	95439959	7000587	13.6331	655.2187
Benzoylcegonine	Benzoylcegonine-d8	5.690	2725557	78740	34.6146	2240.3269
Ketamine	Ketamine-D4	5.942	68197658	3264003	20.8939	916.9901
Norfentanyl	Norfentanyl-D5	5.984	7167264	3078869	2.3279	104.6748
Cocaine	Cocaine-d3	6.212	28443897	3380007	8.4153	1018.8706
alpha-PVP	alpha-PVP-d8	6.287	46295279	2203572	21.0092	1043.3037
Mirtazapine	alpha-PVP-d8	6.583	42680427	2203572	19.3687	863.4184
Norbuprenorphine	Norbuprenorphine-D3	6.954	47179	22419	2.1044	102.4625
Fentanyl	Fentanyl-D5	7.058	2296190	1181018	1.9442	114.7947
Mitragynine	EDDP-D3	7.136	9900527	387900	25.5234	709.0739
EDDP	EDDP-D3	7.169	10490210	387900	27.0436	1292.0316
Quetiapine	Quetiapine-D8	7.399	59829447	805453	74.2805	759.4172
Cyclobenzaprine	Cyclobenzaprine-D3	7.452	17156383	672467	25.5126	1006.1237
Methadone	Methadone-D9	7.482	52970982	2487031	21.2989	915.4775
Fluoxetine	Fluoxetine-D6	7.521	34740041	1566191	22.1812	998.5616
Oxazepam	Oxazepam-D5	7.548	4316602	187817	22.9830	1163.8507

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

bca/8

D

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Buprenorphine	Buprenorphine-D4	7.637	1019029	164183	6.2067	160.9810
Sertraline	Sertraline-D3	7.603	13260527	608158	21.8044	1022.2857
Temazepam	Temazepam-D5	7.605	37150129	1582543	23.4750	1010.1522
Nordiazepam	Nordiazepam-D5	7.675	11106915	257143	43.1935	1024.9088
Diazepam	Diazepam-D5	7.731	24189076	843283	28.6844	1020.3301