

D

Worklist: 2621

<u>LAB_CASE</u>	<u>ITEM</u>	<u>TASK_ID</u>	<u>DESCRIPTION</u>	
M2018-3191	1	123580	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
M2018-3304	1	123581	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
M2018-3331	1	123582	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-1838	1	123583	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-1933	1	123584	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-1939	1	123585	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-1940	1	123586	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-1941	1	123587	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-1945	1	123588	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-1949	1	123589	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-1952	1	123590	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-1953	1	123591	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-1958	1	123592	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-1963	1	123593	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-1979	1	123594	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-1981	1	123595	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	

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

TS P

Extraction Date: 08/06/18

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: 080618 MDQ P1 SP Batch Name: *MDQ P1a, MDQ P1b*
- 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: 6-MAM 1-100, amphetamine 10-1000, doxylamine 5-500, norhydrocodone 5-250, phentermine 10-1000, venlafaxine 5-500, tramadol 5-250, fentanyl 2.5-100, fluoxetine 10-1000, ketamine 5-500, mitragynine 5-250, norbuprenorphine 5-100, norfentanyl 2.5-100, o-desmethyl-tramadol 5-500, quetiapine 5-500, buprenorphine 0.5-50, zolpidem 5-500

Did not evaluate: benzoylecgonine

Steps 3-16 were performed as Sarah Pickle acting as primary analyst. Tamara Salazar witnessed and approved of all steps performed in the method.

P

TS

TS

P



Idaho State Police Forensic Services

TS
D

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

Analyst: Sarah Pickle
Extraction Date: 08/06/18
Worklist Number: 2621

<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	080618	Make fresh	08/06/18		
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	080318		08/03/18		

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		

TS
P**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:	Tamara Salazar	

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: 080318)

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
MeOH (LCMS Grade)	Fisher	177145
Water (LCMS Grade)	Fisher	181370
Prepared:	08/03/18	
Prepared By:	Sarah Pickle	

TS B

ISP FORENSICS - Pocatello Instrument # 59740

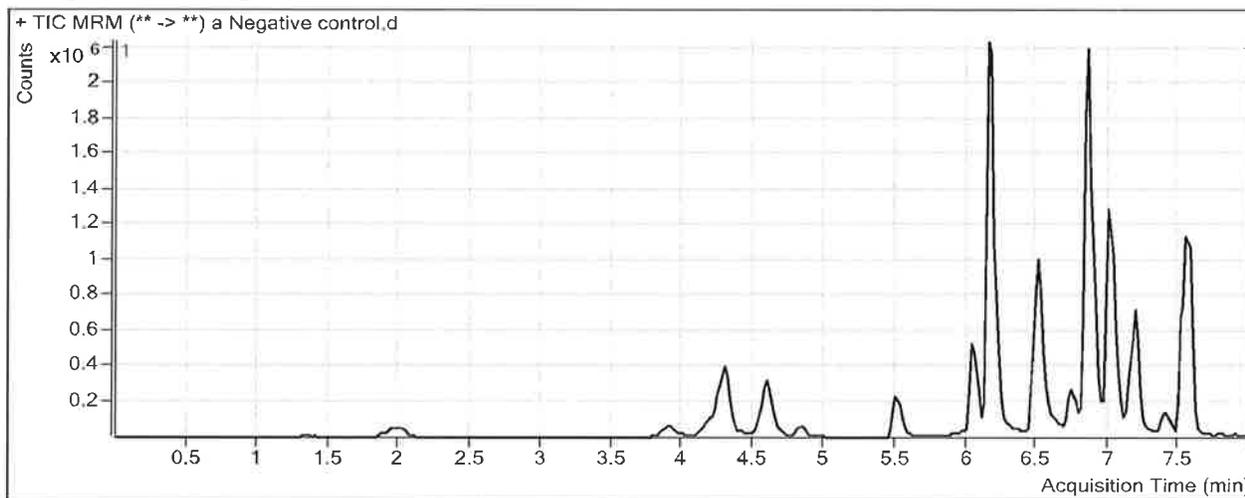
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1a.batch.bin
Analysis Time 8/9/2018 10:30 AM **Analyst Name** ISPUser
Report Time 8/9/2018 10:36 AM **Reporter Name** ISPUser
Last Calib Update 8/9/2018 10:30 AM **Batch State** Processed

Analysis Info

Acq Time 2018-08-06 17:04 **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-G4 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist

Sample Chromatogram



TS 

ISP FORENSICS - Pocatello Instrument # 59740

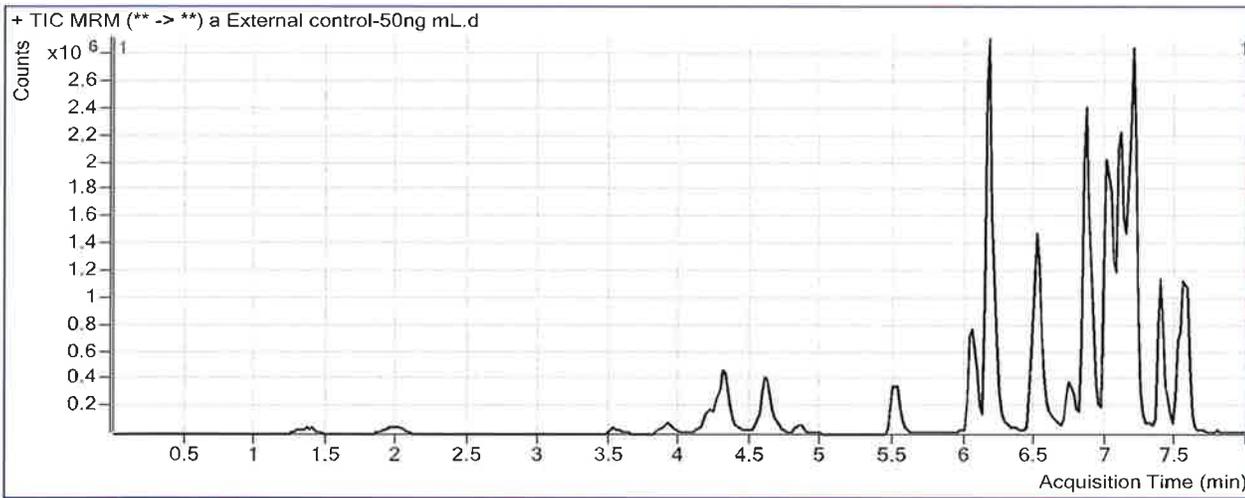
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1a.batch.bin
Analysis Time 8/9/2018 10:30 AM **Analyst Name** ISPUser
Report Time 8/9/2018 10:37 AM **Reporter Name** ISPUser
Last Calib Update 8/9/2018 10:30 AM **Batch State** Processed

Analysis Info

Acq Time 2018-08-06 17:36 **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-H4 **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	207103	70186	2.9508	48.7826
Amphetamine	Amphetamine-D11	4.323	313278	740131	0.4233	0.0000
<u>Trazodone</u>	Trazodone-D6	7.096	3589025	2117715	1.6948	52.1075

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

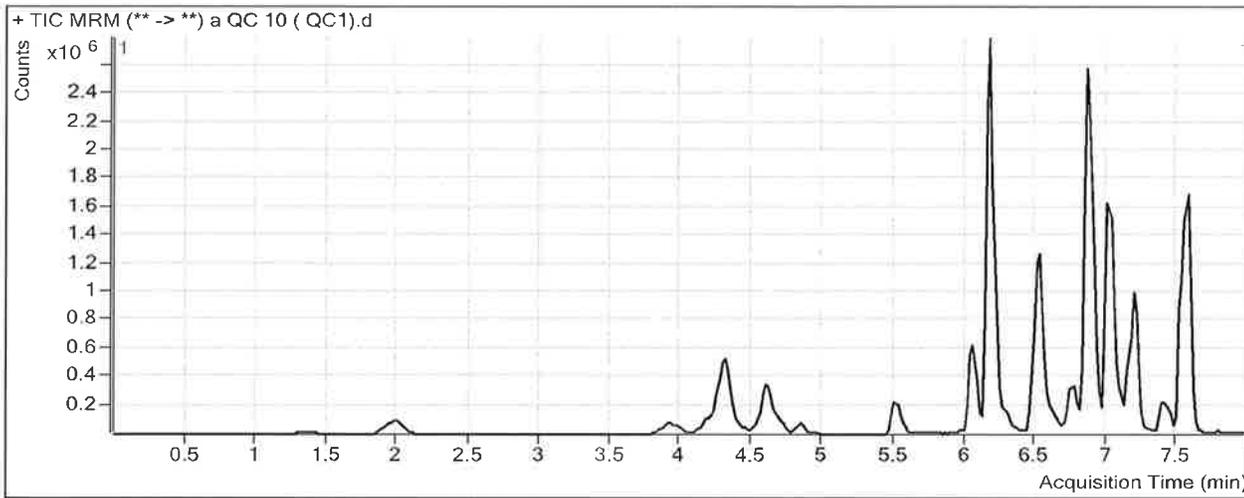
TS A

Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1a.batch.bin
Analysis Time 8/9/2018 10:30 AM **Analyst Name** ISPUser
Report Time 8/9/2018 10:37 AM **Reporter Name** ISPUser
Last Calib Update 8/9/2018 10:30 AM **Batch State** Processed

Analysis Info

Acq Time 2018-08-06 18:39 **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-A2 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.348	38826	66358	0.5851	10.9030
Hydromorphone	Hydromorphone-D6	2.009	139466	547337	0.2548	9.3942
Codeine	Codeine-D6	3.972	63162	269600	0.2343	9.8186
Amphetamine	Amphetamine-D11	4.323	651268	478072	1.3623	8.7310
Oxycodone	Oxycodone-D6	4.330	546332	1996688	0.2736	11.0812
Hydrocodone	Hydrocodone-D6	4.635	172566	1108586	0.1557	9.6900
Norhydrocodone	Norhydrocodone-D3	4.678	9365	266309	0.0352	10.9573
Methamphetamine	Methamphetamine-D11	4.702	193293	475560	0.4065	10.1065
6-MAM	6-MAM-D6	4.849	6123	243010	0.0252	1.3414
Phentermine	Phentermine-D5	5.566	104888	964351	0.1088	10.9666
Dextrophan	Dextrophan-D3	6.063	205704	1793245	0.1147	9.5832
7-aminoclonazepam	7-Aminoclonazepam-D4	6.174	280049	1129267	0.2480	9.7665
Tramadol	Tramadol-13C-D3	6.203	1706510	8142556	0.2096	10.2285
Metoprolol	Tramadol-13C-D3	6.302	131267	8142556	0.0161	9.6188
Doxylamine	Doxylamine-D5	6.522	827139	4790204	0.1727	9.6658
Bupropion	Bupropion-D9	6.771	234021	779355	0.3003	9.6654
Meprobamate	Meprobamate-D7	6.873	127394	439909	0.2896	9.8455
Zolpidem	Zolpidem-D6	6.882	1418231	8720964	0.1626	9.9531
Venlafaxine	Venlafaxine-D6	7.006	1177202	4301096	0.2737	10.8971
Trazodone	Trazodone-D6	7.096	239657	749145	0.3199	10.7812

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

TS B

QC 10 (QC1)

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.159	208024	962686	0.2161	10.1637
Dextromethorphan	Dextromethorphan-D3	7.191	54456	202394	0.2691	10.1447
Diphenhydramine	Diphenhydramine-D3	7.214	396516	1927050	0.2058	10.7012
Promethazine	Promethazine-D3	7.389	133980	510362	0.2625	10.1716
Clonazepam	Clonazepam-D4	7.445	133038	129654	1.0261	7.7523
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.501	45770	232043	0.1972	8.4176
Carisoprodol	Carisoprodol-D7	7.534	477597	1889127	0.2528	11.0399
Lorazepam	Clonazepam-D4	7.563	49468	129654	0.3815	9.1903
Alprazolam	Alprazolam-D5	7.568	1037594	3081010	0.3368	9.8790

TS
D

ISP FORENSICS - Pocatello Instrument # 59740

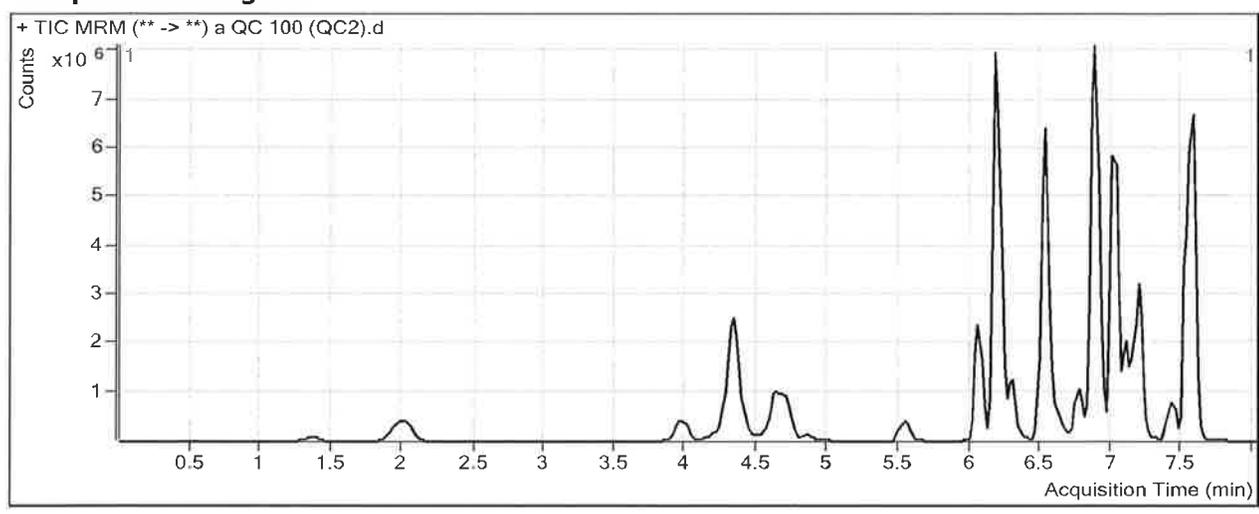
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1a.batch.bin
Analysis Time 8/9/2018 10:30 AM **Analyst Name** ISPUser
Report Time 8/9/2018 10:38 AM **Reporter Name** ISPUser
Last Calib Update 8/9/2018 10:30 AM **Batch State** Processed

Analysis Info

Acq Time 2018-08-07 12:13 **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-B2 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.368	427575	74616	5.7304	93.2900
Hydromorphone	Hydromorphone-D6	2.009	1710655	520637	3.2857	104.2564
Codeine	Codeine-D6	3.972	720430	259591	2.7753	104.4521
Amphetamine	Amphetamine-D11	4.323	4396980	493301	8.9134	112.9423
Oxycodone	Oxycodone-D6	4.330	6257608	2065277	3.0299	104.4459
Hydrocodone	Hydrocodone-D6	4.635	2189864	1149644	1.9048	105.6989
Norhydrocodone	Norhydrocodone-D3	4.678	99902	261370	0.3822	108.2237
Methamphetamine	Methamphetamine-D11	4.702	2854639	622028	4.5892	100.6068
6-MAM	6-MAM-D6	4.849	58042	230129	0.2522	9.4830
Phentermine	Phentermine-D5	5.566	1373646	1051031	1.3070	108.9213
Dextrorphan	Dextrorphan-D3	6.063	2678057	1823740	1.4684	107.1744
7-aminoclonazepam	7-Aminoclonazepam-D4	6.174	3071628	1020298	3.0105	115.2871
Tramadol	Tramadol-13C-D3	6.203	18766454	8512105	2.2047	109.2059
Metoprolol	Tramadol-13C-D3	6.302	1711191	8512105	0.2010	111.0201
Doxylamine	Doxylamine-D5	6.522	10645908	5078763	2.0962	109.2063
Bupropion	Bupropion-D9	6.771	1697601	492641	3.4459	104.7220
Meprobamate	Meprobamate-D7	6.873	1520289	406688	3.7382	118.2677
Zolpidem	Zolpidem-D6	6.882	16599235	8433166	1.9683	111.4047
Venlafaxine	Venlafaxine-D6	7.006	13103660	4418104	2.9659	110.8484
Trazodone	Trazodone-D6	7.096	3084433	847868	3.6379	110.5147

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

TS S

QC100 (QC2)

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.159	2067268	838690	2.4649	102.7844
Dextromethorphan	Dextromethorphan-D3	7.191	498420	161799	3.0805	104.9932
Diphenhydramine	Diphenhydramine-D3	7.214	3869327	1857626	2.0829	98.6383
Promethazine	Promethazine-D3	7.389	808697	267507	3.0231	99.4130
Clonazepam	Clonazepam-D4	7.425	1613792	125942	12.8137	90.0401
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.501	588769	218005	2.7007	101.5452
Carisoprodol	Carisoprodol-D7	7.534	4779585	1718951	2.7805	111.1556
Lorazepam	Clonazepam-D4	7.543	513707	125942	4.0789	74.9402
Alprazolam	Alprazolam-D5	7.568	10197927	2734540	3.7293	112.7475

TS D

ISP FORENSICS - Pocatello Instrument # 59740

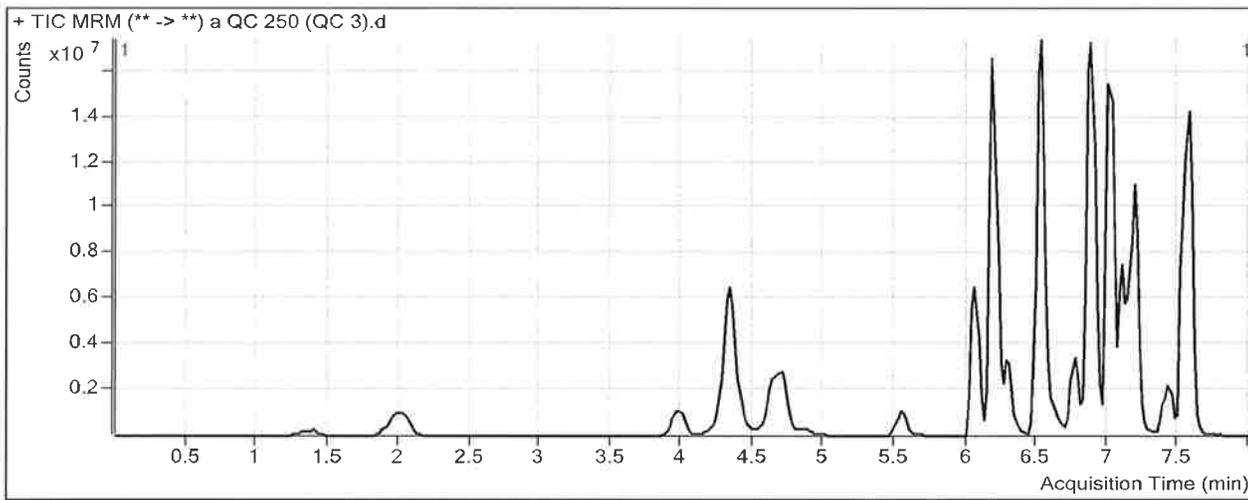
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1a.batch.bin
Analysis Time 8/9/2018 10:30 AM **Analyst Name** ISPUser
Report Time 8/9/2018 10:38 AM **Reporter Name** ISPUser
Last Calib Update 8/9/2018 10:30 AM **Batch State** Processed

Analysis Info

Acq Time 2018-08-07 15:37 **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-C2 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.368	1205352	72368	16.6559	268.2310
Hydromorphone	Hydromorphone-D6	2.009	4713999	527860	8.9304	280.9267
Codeine	Codeine-D6	3.972	1792215	247839	7.2314	270.4114
Amphetamine	Amphetamine-D11	4.323	13142114	584378	22.4891	300.2973
Oxycodone	Oxycodone-D6	4.330	17415959	2075609	8.3908	286.0358
Hydrocodone	Hydrocodone-D6	4.635	6025877	1173248	5.1361	283.0574
Norhydrocodone	Norhydrocodone-D3	4.678	301492	251180	1.2003	337.4984
Methamphetamine	Methamphetamine-D11	4.702	9196476	718848	12.7933	278.1138
6-MAM	6-MAM-D6	4.849	174170	243517	0.7152	26.0885
Phentermine	Phentermine-D5	5.566	4478206	1303870	3.4346	282.8580
Dextrophan	Dextrophan-D3	6.063	8821934	2290521	3.8515	278.9698
7-aminoclonazepam	7-Aminoclonazepam-D4	6.174	7388151	1026497	7.1974	275.2153
Tramadol	Tramadol-13C-D3	6.180	47541196	9723990	4.8891	242.3789
Metoprolol	Tramadol-13C-D3	6.302	4833686	9723990	0.4971	273.3738
Doxylamine	Doxylamine-D5	6.522	33661568	6106644	5.5123	285.9908
Bupropion	Bupropion-D9	6.771	5992431	634372	9.4462	286.0424
Meprobamate	Meprobamate-D7	6.873	3747698	392919	9.5381	300.6114
Zolpidem	Zolpidem-D6	6.882	42821603	8716228	4.9129	276.8402
Venlafaxine	Venlafaxine-D6	7.006	40720107	5669032	7.1829	267.4096
Trazodone	Trazodone-D6	7.096	11794053	1321616	8.9240	269.4076

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

TS D
a QC 250 (QC3)

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.159	8264239	1307493	6.3207	261.5927
Dextromethorphan	Dextromethorphan-D3	7.191	2173363	248341	8.7515	296.3158
Diphenhydramine	Diphenhydramine-D3	7.214	17178991	2902138	5.9194	278.3598
Promethazine	Promethazine-D3	7.389	3218143	388814	8.2768	269.2509
Clonazepam	Clonazepam-D4	7.425	4551433	124221	36.6399	256.3674
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.501	1539284	212342	7.2491	270.7404
Carisoprodol	Carisoprodol-D7	7.534	11430484	1566859	7.2952	289.9679
Lorazepam	Clonazepam-D4	7.543	1375009	124221	11.0691	199.2460
Alprazolam	Alprazolam-D5	7.568	24867104	2564365	9.6972	293.7057

TS P

ISP FORENSICS - Pocatello Instrument # 59740

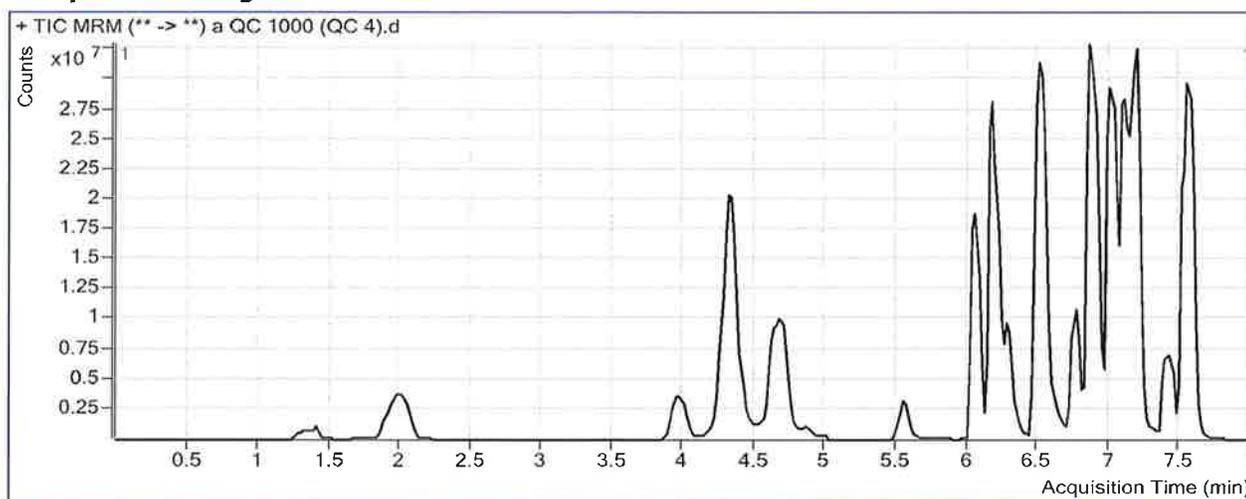
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1a.batch.bin
Analysis Time 8/9/2018 10:30 AM **Analyst Name** ISPUser
Report Time 8/9/2018 10:39 AM **Reporter Name** ISPUser
Last Calib Update 8/9/2018 10:30 AM **Batch State** Processed

Analysis Info

Acq Time 2018-08-07 17:11 **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-D2 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.368	4914931	71441	68.7972	1103.1271
Hydromorphone	Hydromorphone-D6	2.009	19597421	570022	34.3801	1077.4643
Codeine	Codeine-D6	3.972	6957231	247645	28.0936	1047.3840
Amphetamine	Amphetamine-D11	4.323	38805928	624710	62.1183	847.2128
Oxycodone	Oxycodone-D6	4.330	68505409	2401982	28.5204	967.8911
Hydrocodone	Hydrocodone-D6	4.635	23431822	1271602	18.4270	1012.5793
* Norhydrocodone	Norhydrocodone-D3	4.678	1098168	207304	5.2974	1485.7474
Methamphetamine	Methamphetamine-D11	4.702	33570600	775629	43.2818	937.7727
6-MAM	6-MAM-D6	4.849	788077	272082	2.8965	104.3162
Phentermine	Phentermine-D5	5.546	14397307	1249792	11.5198	943.8449
Dextrophan	Dextrophan-D3	6.063	30678238	2153514	14.2457	1028.2903
7-aminoclonazepam	7-Aminoclonazepam-D4	6.174	22583876	933961	24.1808	923.9292
* Tramadol	Tramadol-13C-D3	6.180	95013430	8944847	10.6221	526.7985
Metoprolol	Tramadol-13C-D3	6.281	15055335	8944847	1.6831	923.7796
* Doxylamine	Doxylamine-D5	6.502	84362636	7141047	11.8138	612.0922
Bupropion	Bupropion-D9	6.771	18784533	560834	33.4939	1012.7266
Meprobamate	Meprobamate-D7	6.853	11528374	359680	32.0518	1008.4242
* Zolpidem	Zolpidem-D6	6.882	96347126	9058686	10.6359	598.3823
* Venlafaxine	Venlafaxine-D6	7.006	84415366	5580575	15.1266	562.3305
Trazodone	Trazodone-D6	7.096	54288020	1829396	29.6754	893.1676

* outside curve range P TS

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

TS B

9 QC 1000 (QC 4)

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.139	29961632	1279318	23.4200	965.8603
Dextromethorphan	Dextromethorphan-D3	7.171	8915317	276015	32.3002	1090.7695
Diphenhydramine	Diphenhydramine-D3	7.194	53683222	2890363	18.5732	871.1295
Promethazine	Promethazine-D3	7.389	16805482	539938	31.1248	1007.8625
Clonazepam	Clonazepam-D4	7.425	14264357	112965	126.2722	882.0793
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.501	5935548	217111	27.3387	1018.0625
Carisoprodol	Carisoprodol-D7	7.534	27241098	1000754	27.2206	1079.1590
Lorazepam	Clonazepam-D4	7.543	6830789	112965	60.4681	1077.7064
Alprazolam	Alprazolam-D5	7.568	54226202	1711459	31.6842	960.3972

ISP Forensics Calibration Curve Report

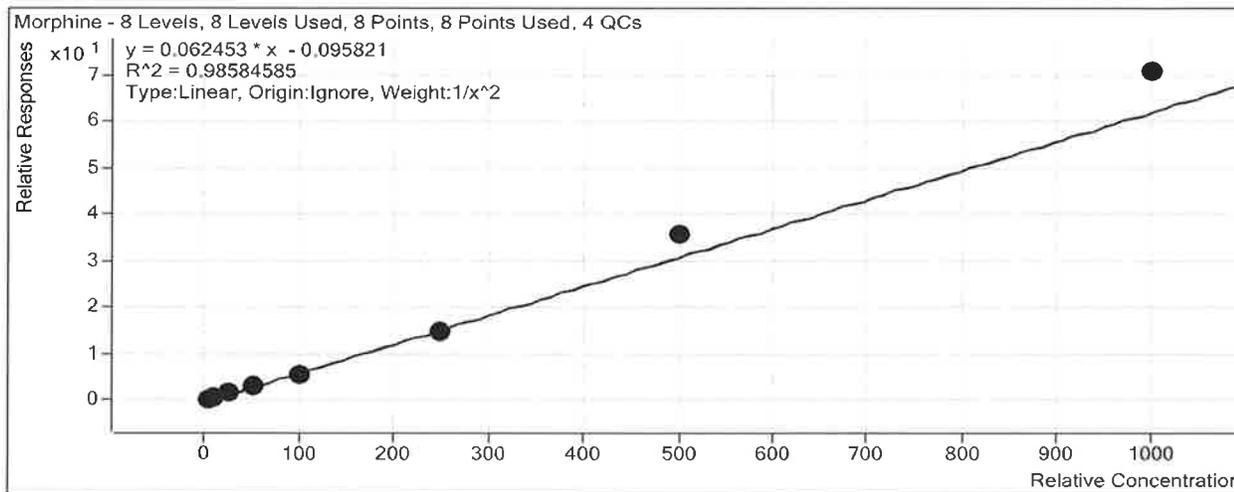
TS
D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1a.batch.bin

Last Calib Update 8/9/2018 10:30 AM

Analyst Name ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.3	106.7
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.1	91.5
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.9	109.0
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.4	89.5
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.8	101.7
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	88.0	88.0
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	93.3	93.3
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	239.3	95.7
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	268.2	107.3
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	569.0	113.8
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1131.7	113.2
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1103.1	110.3

ISP Forensics Calibration Curve Report

TS D

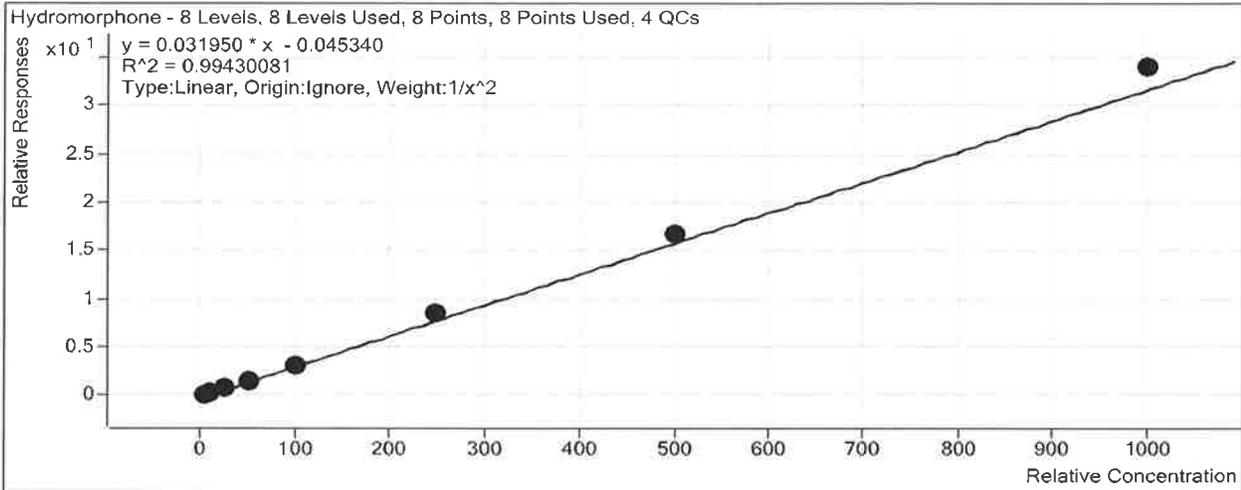
Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1a.batch.bin

Last Calib Update 8/9/2018 10:30 AM

Analyst Name ISP TOX

Target Compound *Hydromorphone*

Internal Standard *Hydromorphone-D6*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.3	106.1
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.2	91.9
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.4	93.9
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.0	92.1
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.4	94.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.6	97.6
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	104.3	104.3
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	266.2	106.5
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	280.9	112.4
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	522.3	104.5
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1065.6	106.6
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1077.5	107.7

ISP Forensics Calibration Curve Report

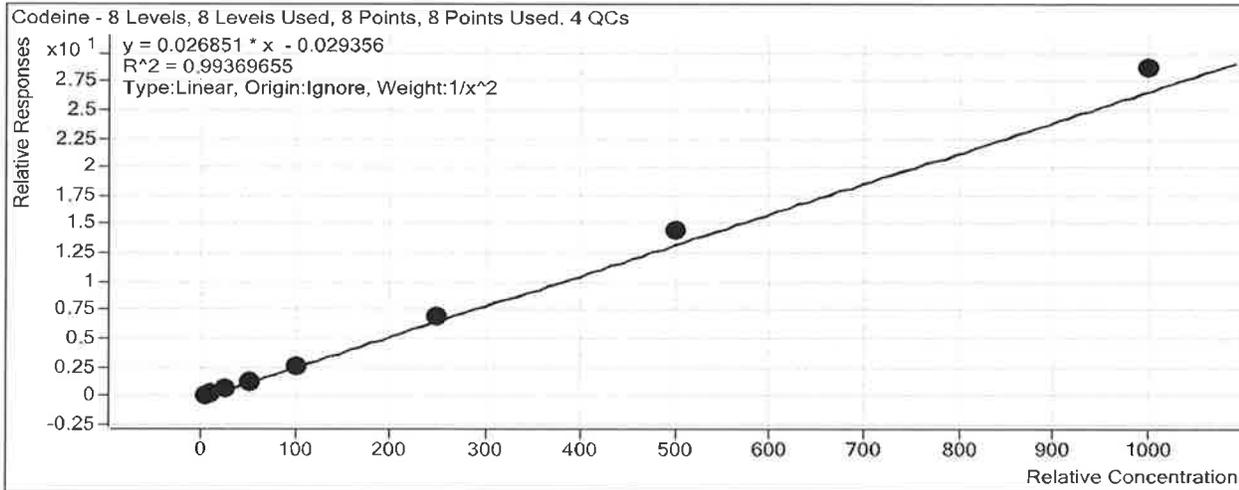
TS
D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1a.batch.bin

Last Calib Update 8/9/2018 10:30 AM

Analyst Name ISP TOX

Target Compound Codeine
Internal Standard Codeine-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	103.6
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	98.7
a QC 10 (QC1)	2	<input type="checkbox"/>	10	9.8	98.2
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	21.9	87.4
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.6	95.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	96.5	96.5
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	104.5	104.5
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	258.3	103.3
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	270.4	108.2
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	541.0	108.2
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1069.6	107.0
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1047.4	104.7

ISP Forensics Calibration Curve Report

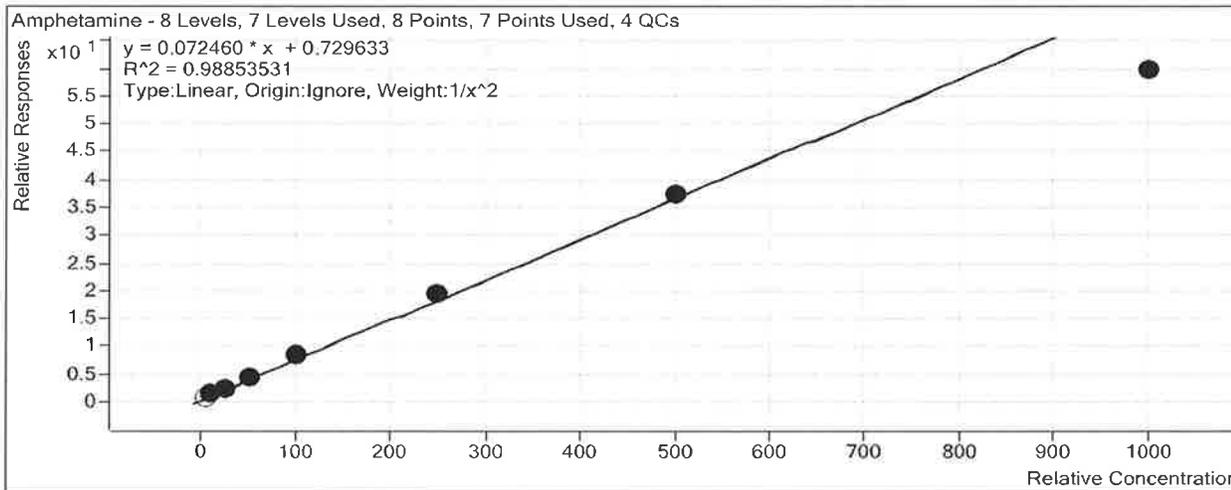
TS
D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1a.batch.bin

Last Calib Update 8/9/2018 10:30 AM

Analyst Name ISP TOX

Target Compound Amphetamine
Internal Standard Amphetamine-D11



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input type="checkbox"/>	5	3.6	72.0
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	96.9
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	8.7	87.3
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.2	104.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.2	100.4
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	110.5	110.5
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	112.9	112.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	260.7	104.3
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	300.3	120.1
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	508.6	101.7
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	813.6	81.4
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	847.2	84.7

ISP Forensics Calibration Curve Report

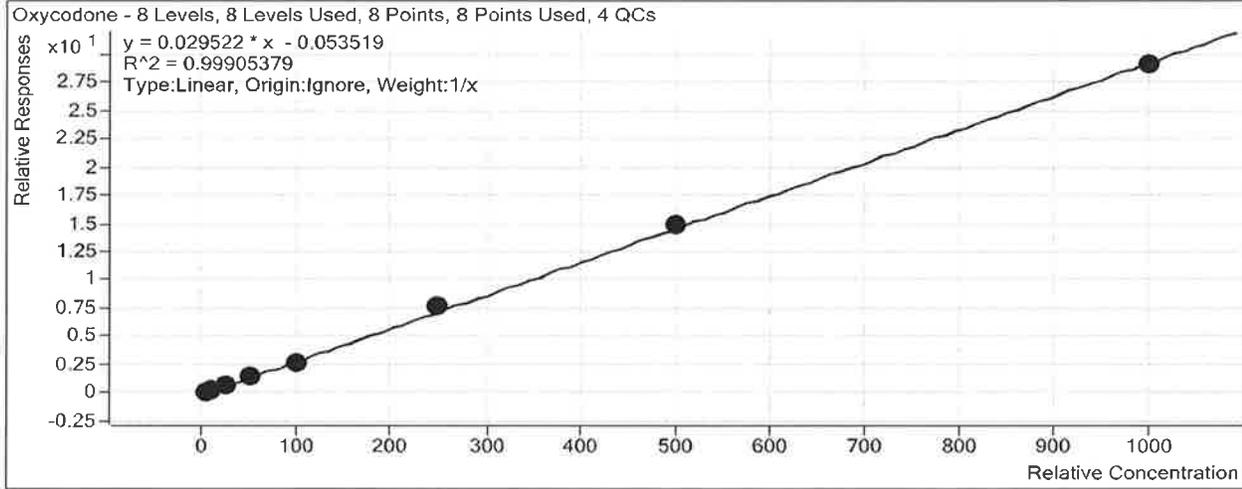
TS
P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1a.batch.bin

Last Calib Update 8/9/2018 10:30 AM

Analyst Name ISP TOX

Target Compound Oxycodone
Internal Standard Oxycodone-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.4	108.7
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	98.0
a QC 10 (QC1)	2	<input type="checkbox"/>	10	11.1	110.8
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.2	92.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.1	102.1
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	92.8	92.8
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	104.4	104.4
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	263.7	105.5
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	286.0	114.4
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	505.9	101.2
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	988.1	98.8
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	967.9	96.8

ISP Forensics Calibration Curve Report

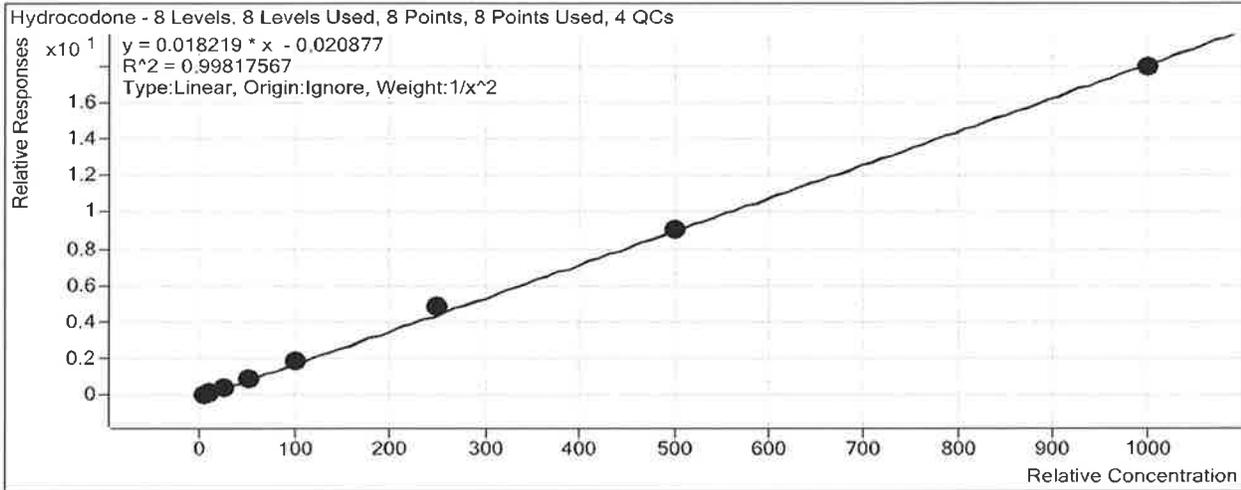
TS
D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1a.batch.bin

Last Calib Update 8/9/2018 10:30 AM

Analyst Name ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.7
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	96.4
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.7	96.9
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.8	95.3
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.0	97.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.6	102.6
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	105.7	105.7
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	265.9	106.4
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	283.1	113.2
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	500.9	100.2
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	985.2	98.5
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1012.6	101.3

ISP Forensics Calibration Curve Report

TS D

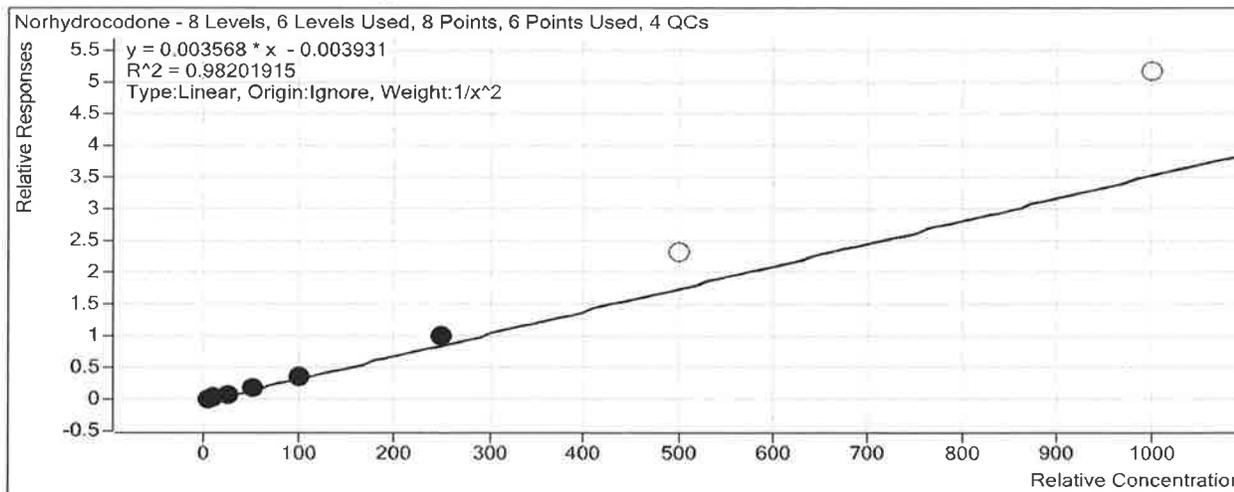
Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1a.batch.bin

Last Calib Update 8/9/2018 10:30 AM

Analyst Name ISP TOX

Target Compound *Norhydrocodone*

Internal Standard *Norhydrocodone-D3*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.4	108.5
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	8.6	86.4
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	11.0	109.6
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	21.9	87.5
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.8	105.6
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.3	99.3
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	108.2	108.2
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	281.7	112.7
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	337.5	135.0
a cal 7-500ng	7	<input type="checkbox"/>	500	651.8	130.4
a cal 8-1000ng	8	<input type="checkbox"/>	1000	1450.7	145.1
a QC 1000 (QC 4)	8	<input type="checkbox"/>	1000	1485.7	148.6

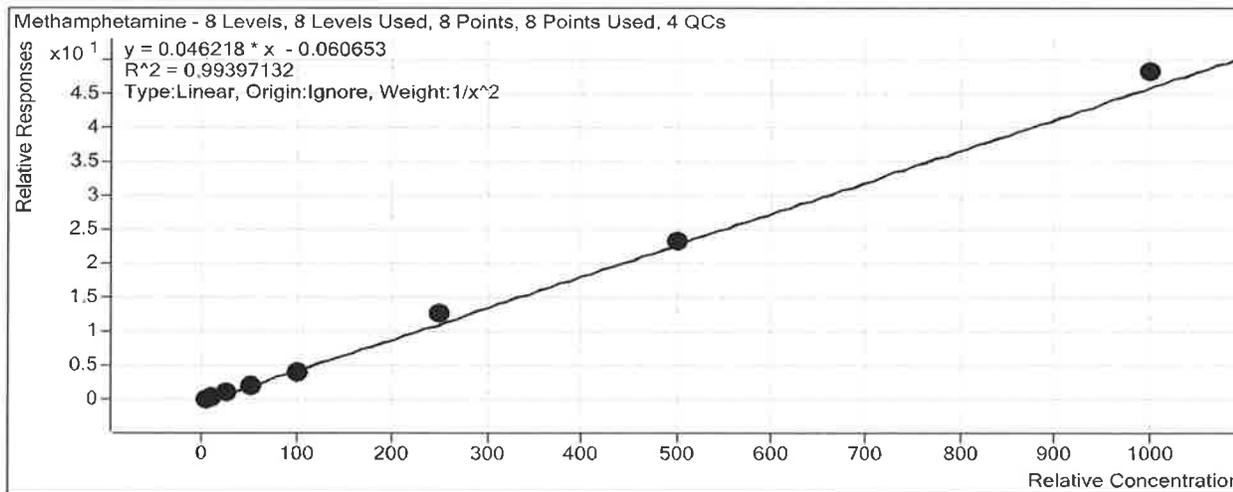
ISP Forensics Calibration Curve Report

TS
D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1a.batch.bin

Last Calib Update 8/9/2018 10:30 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	104.7
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.3	92.6
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.1	101.1
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.4	97.5
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.4	96.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	91.2	91.2
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	100.6	100.6
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	278.4	111.4
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	278.1	111.2
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	507.0	101.4
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1043.6	104.4
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	937.8	93.8

ISP Forensics Calibration Curve Report

TS
D

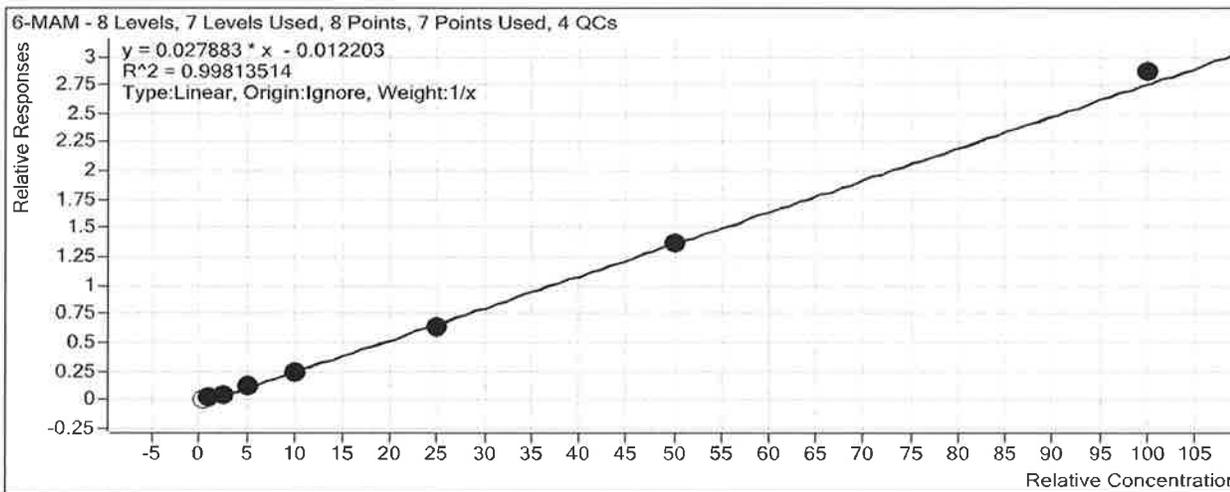
Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1a.batch.bin

Last Calib Update 8/9/2018 10:30 AM

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 type="checkbox"/>	0.5	1.0	201.4
a cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.2	116.9
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	1	1.3	134.1
a cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.5	98.2
a cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.8	96.5
a cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.4	93.6
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	10	9.5	94.8
a cal 6-250ng	6	<input checked="" type="checkbox"/>	25	23.2	92.9
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	25	26.1	104.4
a cal 7-500ng	7	<input checked="" type="checkbox"/>	50	49.3	98.6
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	103.1	103.1
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	100	104.3	104.3

ISP Forensics Calibration Curve Report

TS

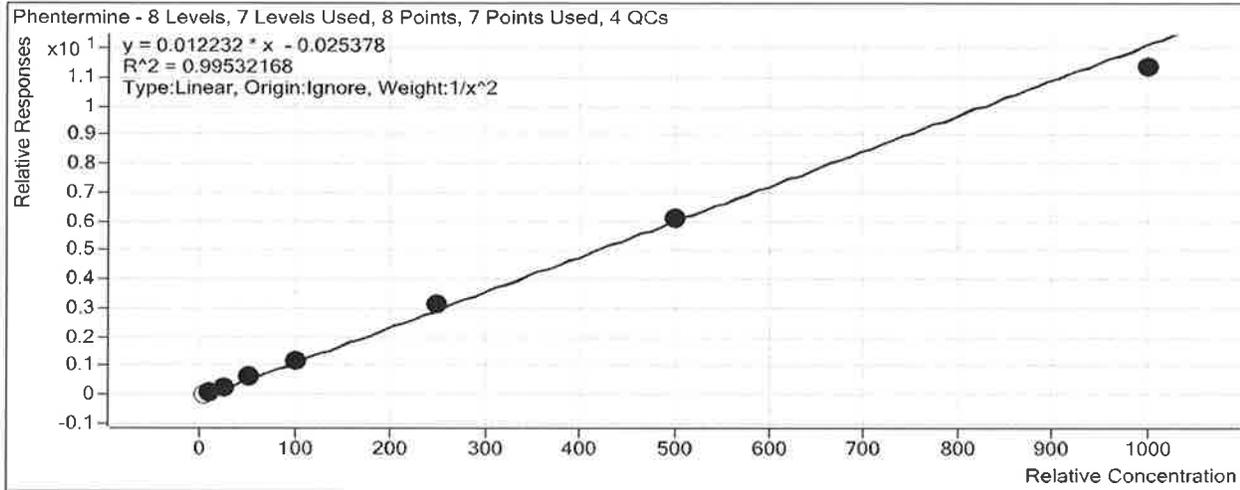
Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1a.batch.bin

Last Calib Update 8/9/2018 10:30 AM

Analyst Name ISP TOX

Target Compound *Phentermine*

Internal Standard *Phentermine-D5*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input type="checkbox"/>	5	6.1	122.6
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	100.0
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	11.0	109.7
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.8	95.2
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	55.4	110.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	96.9	96.9
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	108.9	108.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	257.3	102.9
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	282.9	113.1
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	505.9	101.2
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	929.9	93.0
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	943.8	94.4

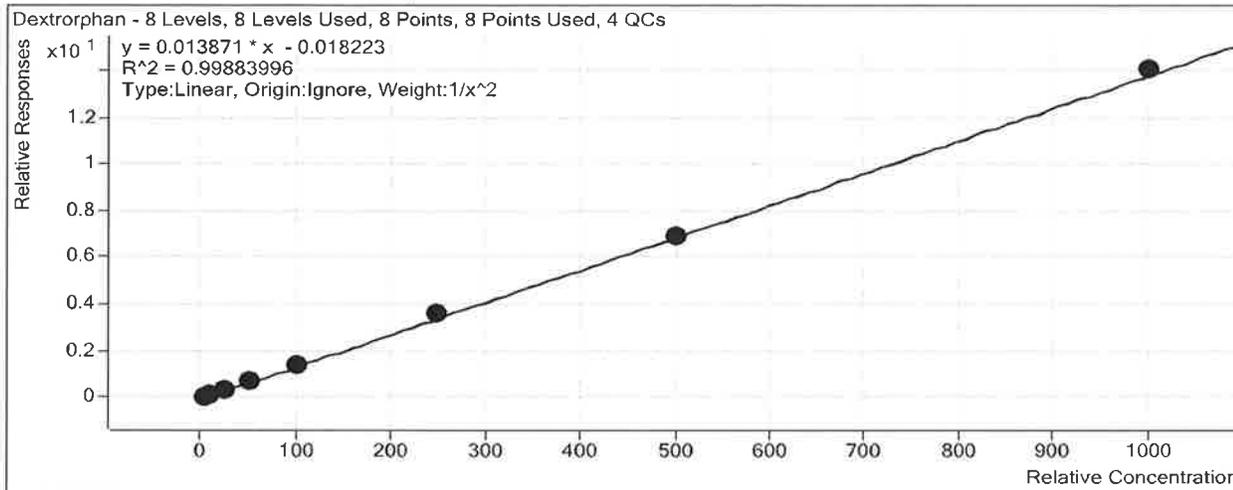
ISP Forensics Calibration Curve Report

TS
P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1a.batch.bin

Last Calib Update 8/9/2018 10:30 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.9
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.5	95.4
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.6	95.8
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.1	96.3
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.5	100.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.6	99.6
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	107.2	107.2
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	259.5	103.8
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	279.0	111.6
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	498.8	99.8
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1014.1	101.4
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1028.3	102.8

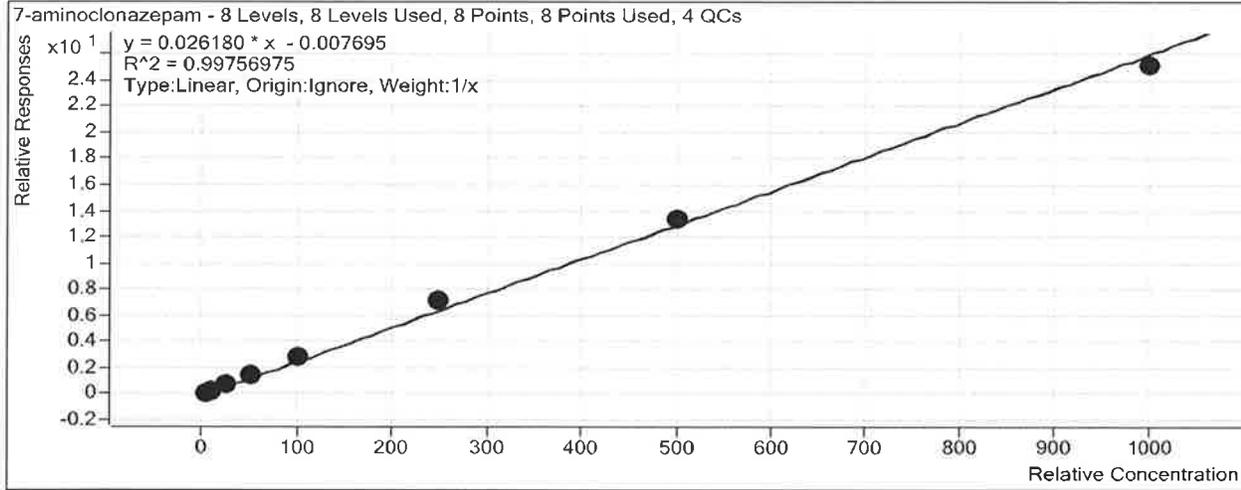
ISP Forensics Calibration Curve Report

TS
A

Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1a.batch.bin

Last Calib Update 8/9/2018 10:30 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.4	88.2
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.1	90.6
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.8	97.7
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.5	101.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	53.9	107.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	104.7	104.7
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	115.3	115.3
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	270.7	108.3
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	275.2	110.1
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	511.8	102.4
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	959.8	96.0
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	923.9	92.4

ISP Forensics Calibration Curve Report

TS

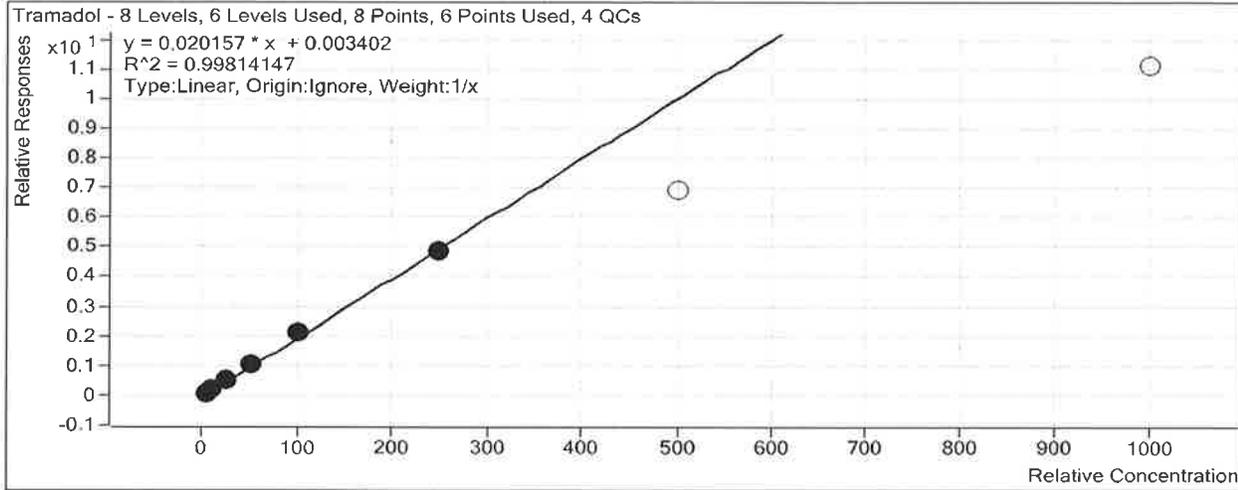
Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1a.batch.bin

Last Calib Update 8/9/2018 10:30 AM

Analyst Name ISP TOX

Target Compound *Tramadol*

Internal Standard *Tramadol-13C-D3*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.7	94.7
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	96.0
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.2	102.3
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.2	100.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	53.8	107.6
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.5	103.5
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	109.2	109.2
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	243.1	97.2
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	242.4	97.0
a cal 7-500ng	7	<input type="checkbox"/>	500	342.0	68.4
a cal 8-1000ng	8	<input type="checkbox"/>	1000	550.2	55.0
a QC 1000 (QC 4)	8	<input type="checkbox"/>	1000	526.8	52.7

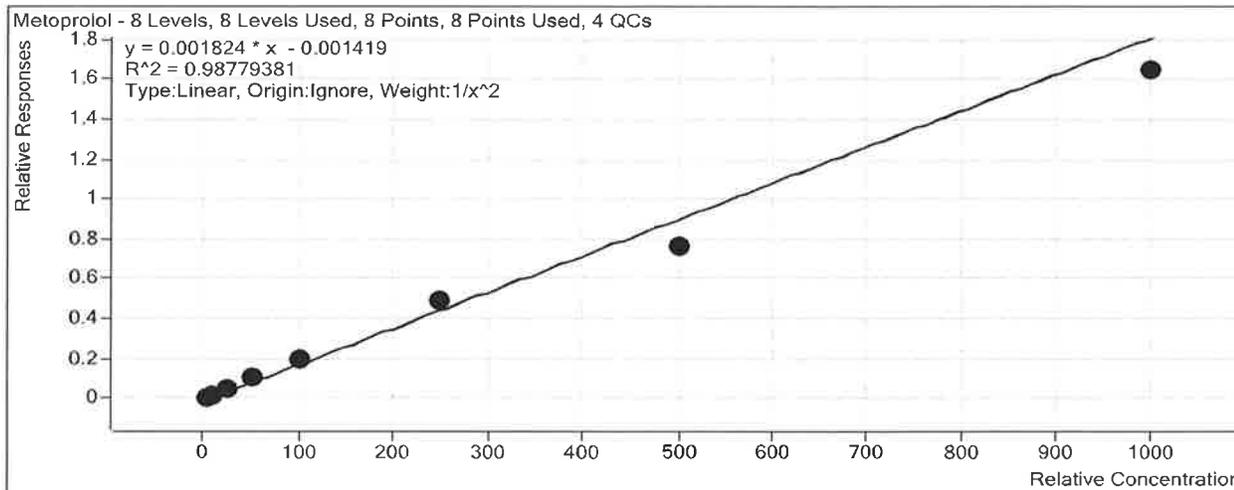
ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1a.batch.bin

Last Calib Update 8/9/2018 10:30 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.9	98.5
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	99.8
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.6	96.2
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.0	99.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	56.3	112.5
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	108.6	108.6
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	111.0	111.0
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	267.4	106.9
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	273.4	109.3
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	417.0	83.4
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	903.1	90.3
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	923.8	92.4

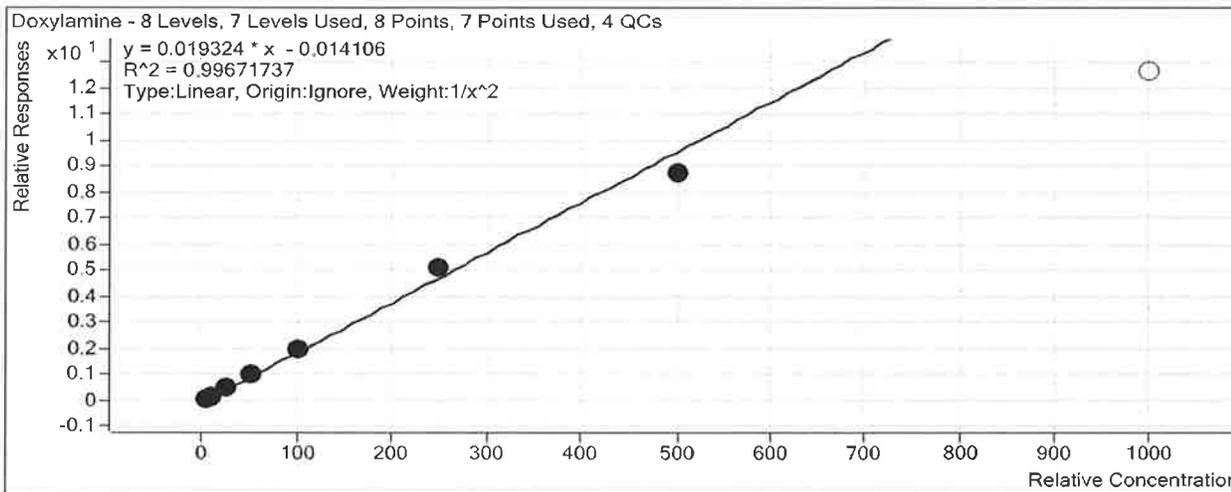
ISP Forensics Calibration Curve Report

TS
P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1a.batch.bin

Last Calib Update 8/9/2018 10:30 AM **Analyst Name** ISP TOX

Target Compound Doxylamine
Internal Standard Doxylamine-D5



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	101.3
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	96.5
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.7	96.7
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.2	100.8
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.9	101.7
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.0	103.0
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	109.2	109.2
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	264.4	105.8
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	286.0	114.4
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	454.9	91.0
a cal 8-1000ng	8	<input type="checkbox"/>	1000	655.2	65.5
a QC 1000 (QC 4)	8	<input type="checkbox"/>	1000	612.1	61.2

ISP Forensics Calibration Curve Report

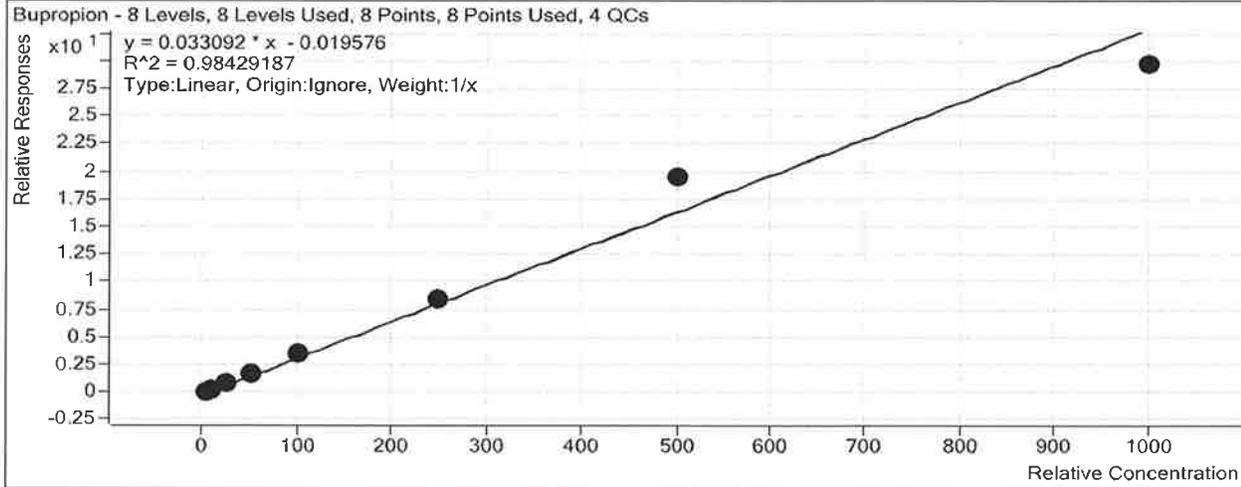
TSB

Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1a.batch.bin

Last Calib Update 8/9/2018 10:30 AM

Analyst Name ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.3	86.5
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	98.6
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.7	96.7
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.5	93.8
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.8	105.6
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	104.9	104.9
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	104.7	104.7
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	256.2	102.5
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	286.0	114.4
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	591.7	118.3
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	896.7	89.7
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1012.7	101.3

ISP Forensics Calibration Curve Report

TS
B

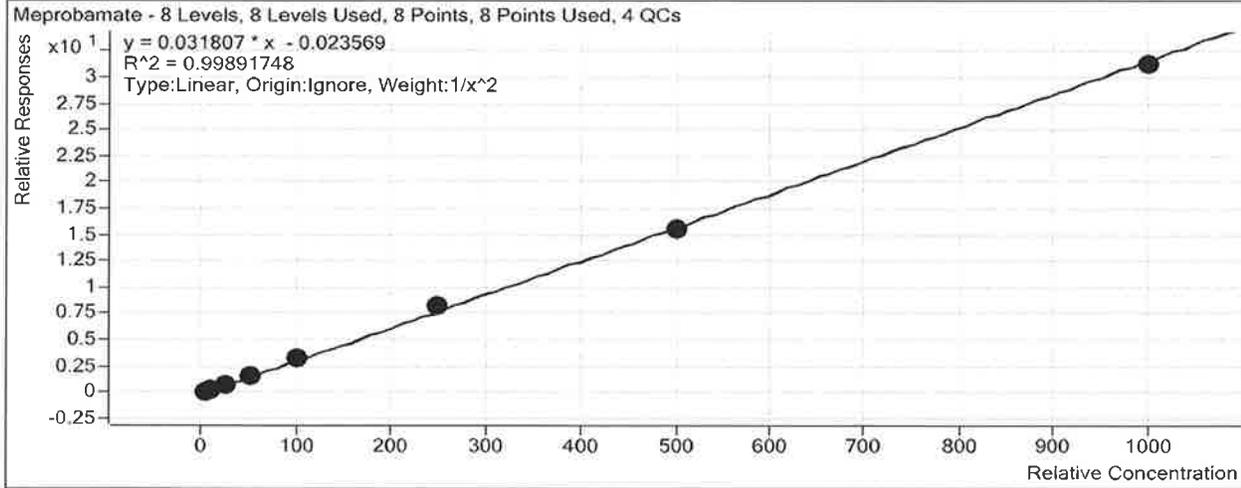
Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1a.batch.bin

Last Calib Update 8/9/2018 10:30 AM

Analyst Name ISP TOX

Target Compound Meprobamate

Internal Standard Meprobamate-D7



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.0
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	96.2
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.8	98.5
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.3	97.3
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.5	103.0
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.9	101.9
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	118.3	118.3
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	258.5	103.4
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	300.6	120.2
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	490.2	98.0
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	981.0	98.1
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1008.4	100.8

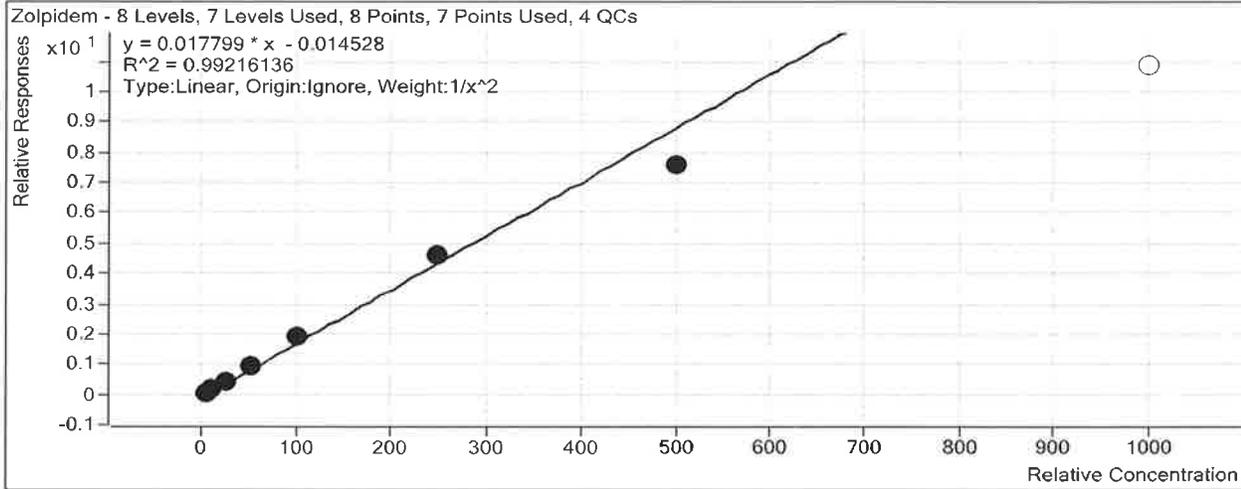
ISP Forensics Calibration Curve Report

TS
R

Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1a.batch.bin

Last Calib Update 8/9/2018 10:30 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	101.1
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	96.4
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.0	99.5
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.9	99.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.3	104.6
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	108.2	108.2
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	111.4	111.4
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	261.8	104.7
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	276.8	110.7
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	427.0	85.4
a cal 8-1000ng	8	<input type="checkbox"/>	1000	611.2	61.1
a QC 1000 (QC 4)	8	<input type="checkbox"/>	1000	598.4	59.8

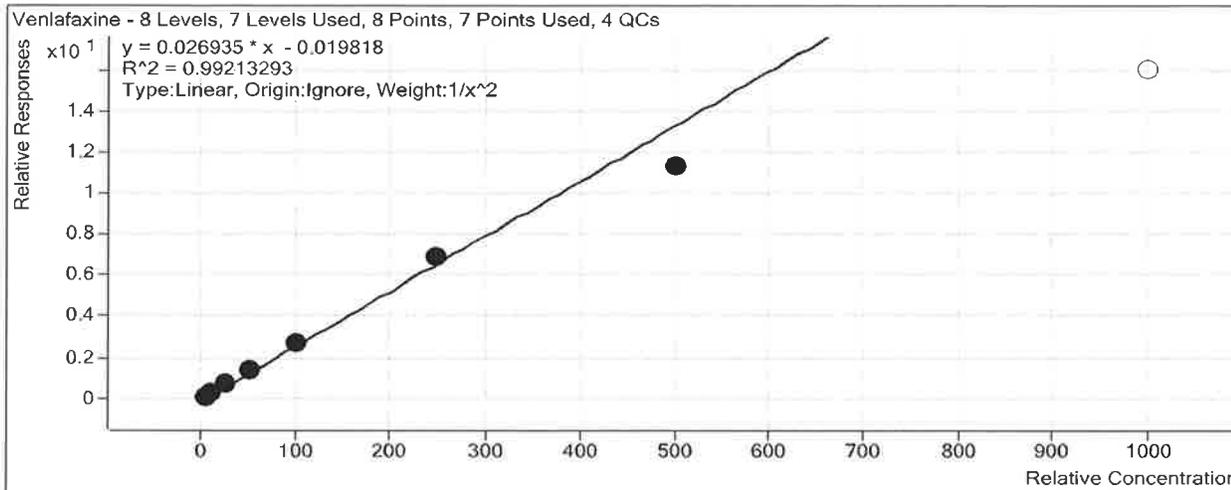
ISP Forensics Calibration Curve Report

TS D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1a.batch.bin

Last Calib Update 8/9/2018 10:30 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.9	98.8
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	98.6
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.9	109.0
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.4	105.7
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	53.9	107.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.6	101.6
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	110.8	110.8
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	256.8	102.7
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	267.4	107.0
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	423.8	84.8
a cal 8-1000ng	8	<input type="checkbox"/>	1000	597.7	59.8
a QC 1000 (QC 4)	8	<input type="checkbox"/>	1000	562.3	56.2

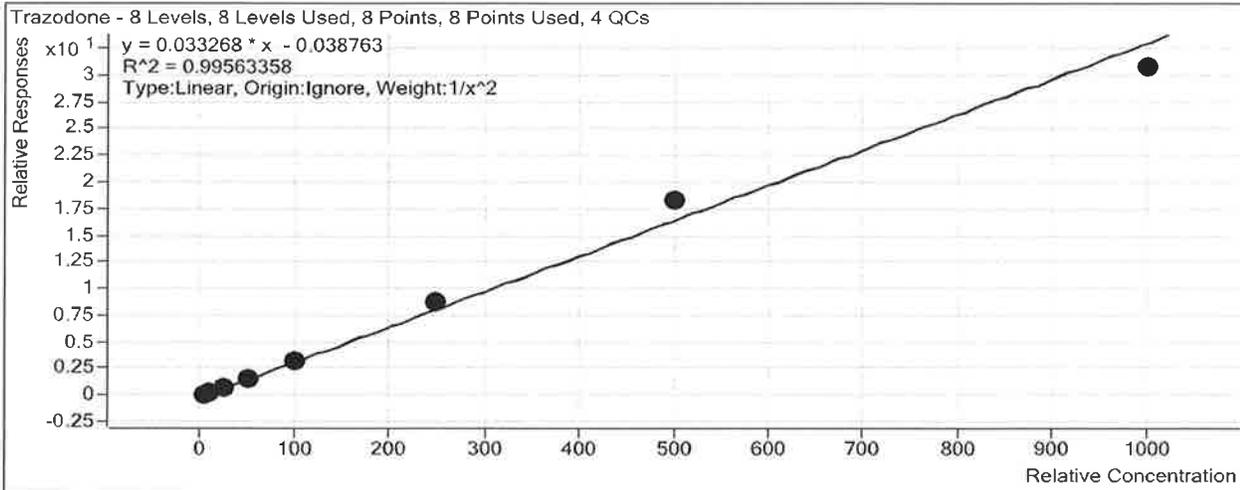
ISP Forensics Calibration Curve Report

TS
D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1a.batch.bin

Last Calib Update 8/9/2018 10:30 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.3
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	97.5
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.8	107.8
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.8	95.1
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.2	98.5
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.1	98.1
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	110.5	110.5
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	265.2	106.1
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	269.4	107.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	549.4	109.9
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	925.2	92.5
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	893.2	89.3

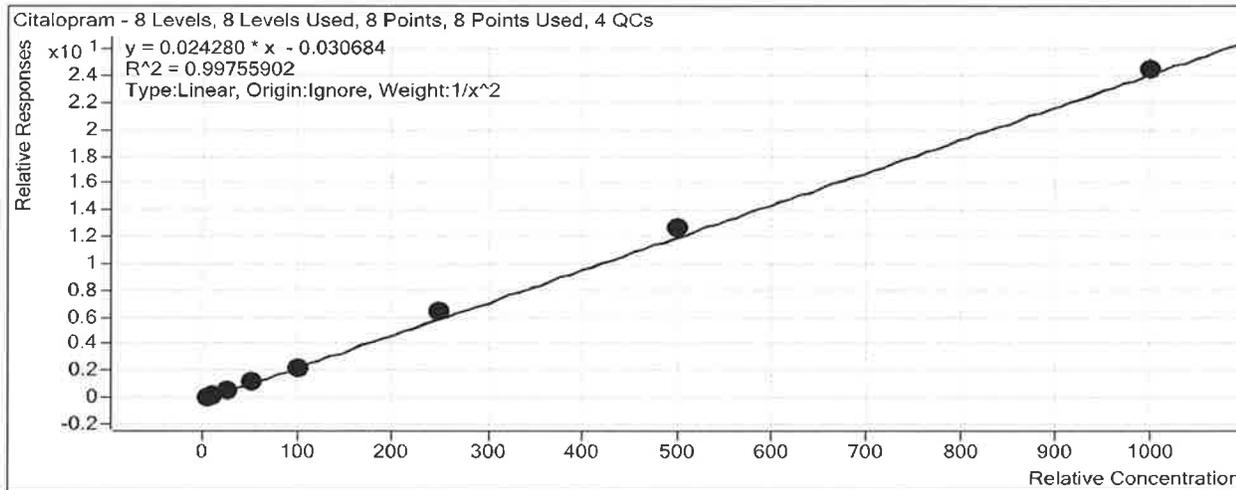
ISP Forensics Calibration Curve Report

TS
D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1a.batch.bin

Last Calib Update 8/9/2018 10:30 AM **Analyst Name** ISP TOX

Target Compound Citalopram
Internal Standard Citalopram-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.6
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	96.8
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.2	101.6
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.0	95.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.7	99.4
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	93.9	93.9
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	102.8	102.8
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	264.3	105.7
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	261.6	104.6
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	524.6	104.9
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1008.0	100.8
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	965.9	96.6

ISP Forensics Calibration Curve Report

TS 

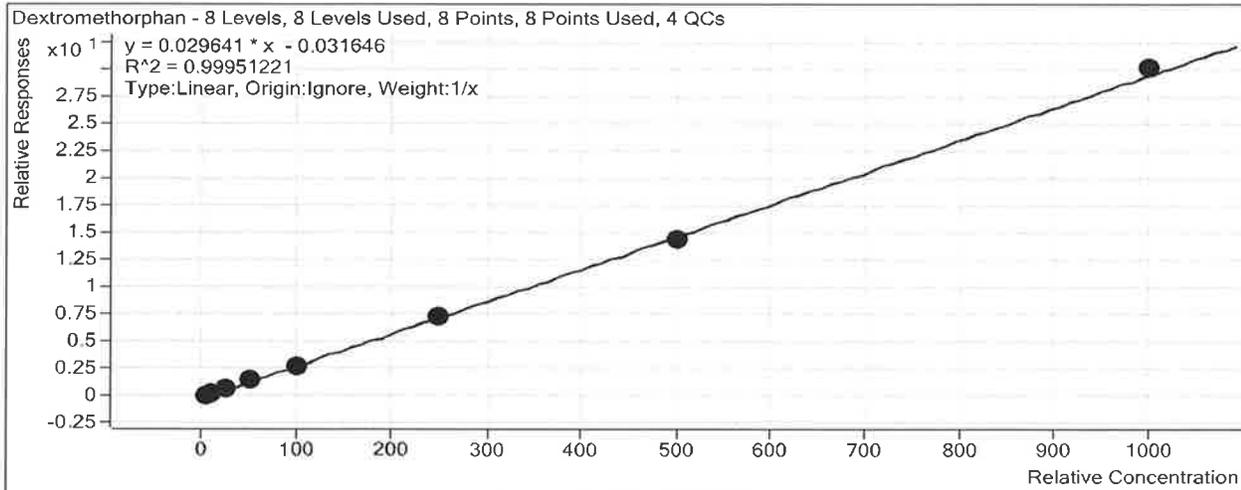
Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1a.batch.bin

Last Calib Update 8/9/2018 10:30 AM

Analyst Name ISP TOX

Target Compound *Dextromethorphan*

Internal Standard *Dextromethorphan-D3*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.5	109.9
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	96.4
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.1	101.4
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.3	97.0
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.2	102.5
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	95.2	95.2
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	105.0	105.0
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	248.9	99.5
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	296.3	118.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	488.9	97.8
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1016.4	101.6
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1090.8	109.1

ISP Forensics Calibration Curve Report

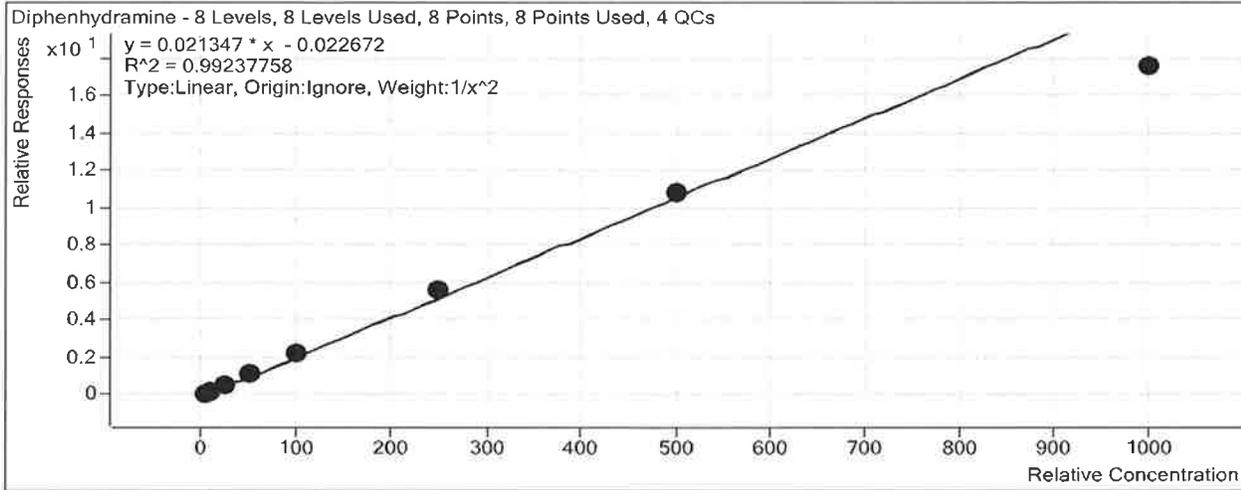
TS D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1a.batch.bin

Last Calib Update 8/9/2018 10:30 AM

Analyst Name ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	99.1
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	98.6
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.7	107.0
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.0	103.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	53.1	106.2
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.9	102.9
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	98.6	98.6
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	262.7	105.1
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	278.4	111.3
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	509.5	101.9
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	823.5	82.4
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	871.1	87.1

ISP Forensics Calibration Curve Report

TS
P

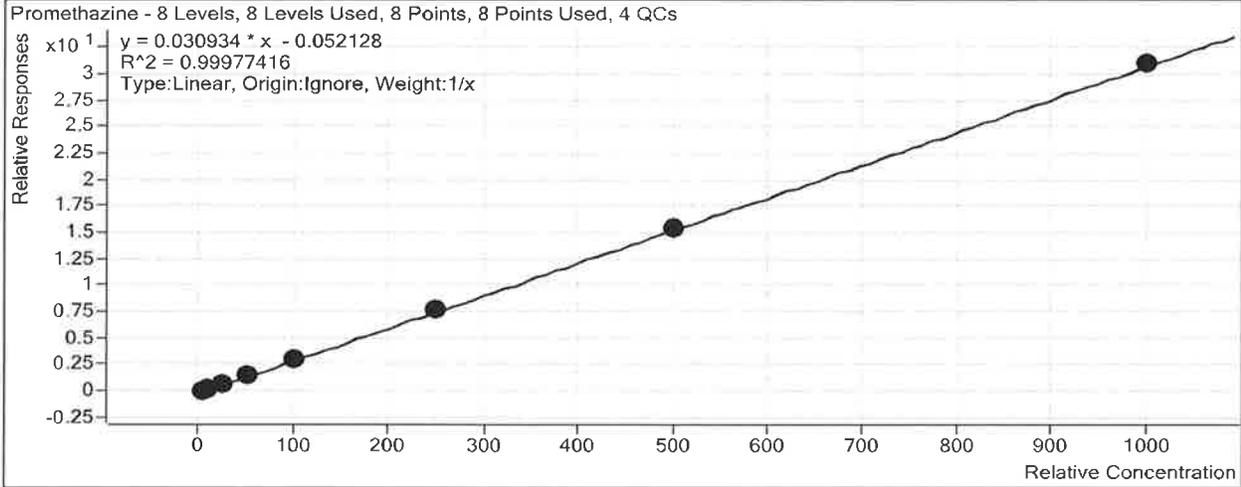
Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1a.batch.bin

Last Calib Update 8/9/2018 10:30 AM

Analyst Name ISP TOX

Target Compound Promethazine

Internal Standard Promethazine-D3



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.7	114.9
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.4	94.5
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.2	101.7
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.0	95.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.5	97.0
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	96.3	96.3
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	99.4	99.4
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	252.4	100.9
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	269.3	107.7
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	500.3	100.1
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1003.4	100.3
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1007.9	100.8

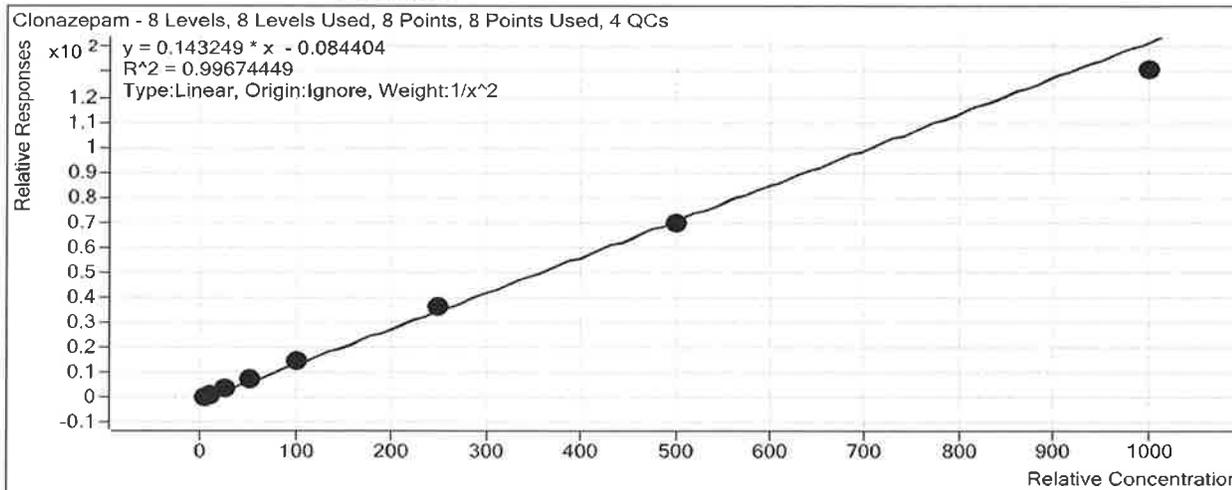
ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1a.batch.bin

Last Calib Update 8/9/2018 10:30 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	101.7
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.4	94.0
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	7.8	77.5
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.9	103.5
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.2	104.4
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	104.2	104.2
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	90.0	90.0
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	256.9	102.8
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	256.4	102.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	490.1	98.0
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	914.8	91.5
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	882.1	88.2

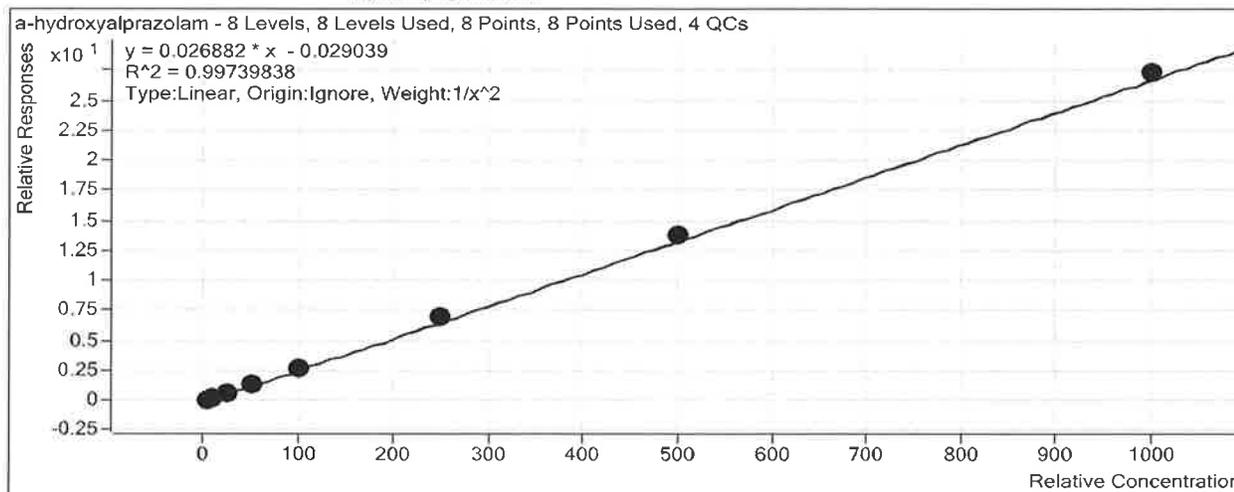
ISP Forensics Calibration Curve Report

TS
D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1a.batch.bin

Last Calib Update 8/9/2018 10:30 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	101.4
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	101.1
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	8.4	84.2
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.6	90.3
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.1	100.1
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.5	97.5
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	101.5	101.5
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	261.3	104.5
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	270.7	108.3
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	517.4	103.5
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1015.8	101.6
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1018.1	101.8

ISP Forensics Calibration Curve Report

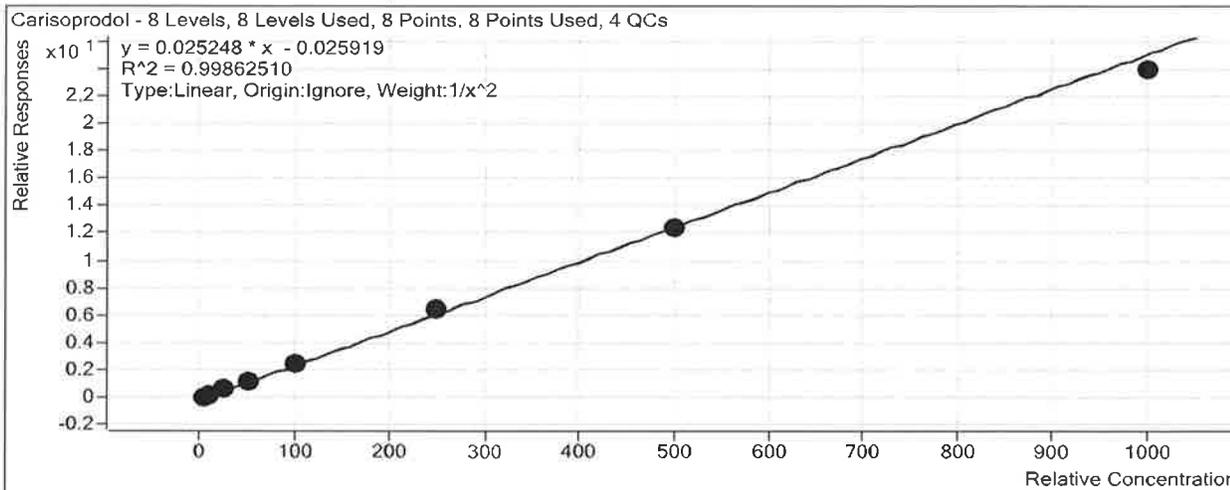
TS B

Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1a.batch.bin

Last Calib Update 8/9/2018 10:30 AM

Analyst Name ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.3
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	97.3
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	11.0	110.4
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.1	104.5
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.0	100.0
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.7	101.7
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	111.2	111.2
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	258.1	103.2
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	290.0	116.0
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	490.6	98.1
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	947.5	94.7
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1079.2	107.9

ISP Forensics Calibration Curve Report

TS
D

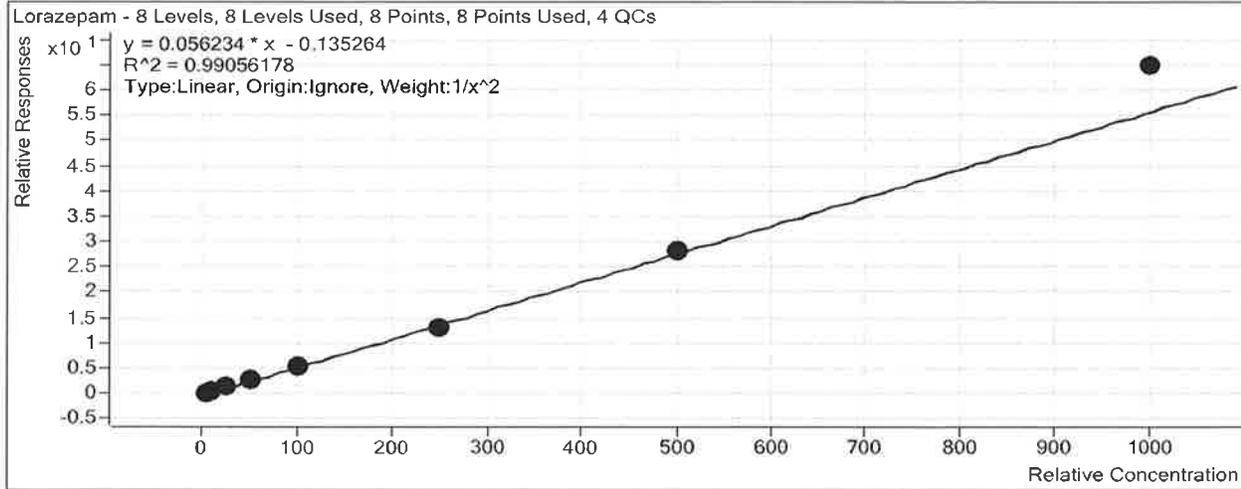
Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1a.batch.bin

Last Calib Update 8/9/2018 10:30 AM

Analyst Name ISP TOX

Target Compound Lorazepam

Internal Standard Clonazepam-D4



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.3	105.8
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.1	91.4
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.2	91.9
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.8	91.2
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.5	103.1
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.0	100.0
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	74.9	74.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	230.1	92.0
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	199.2	79.7
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	504.8	101.0
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1155.5	115.5
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1077.7	107.8

ISP Forensics Calibration Curve Report

TS

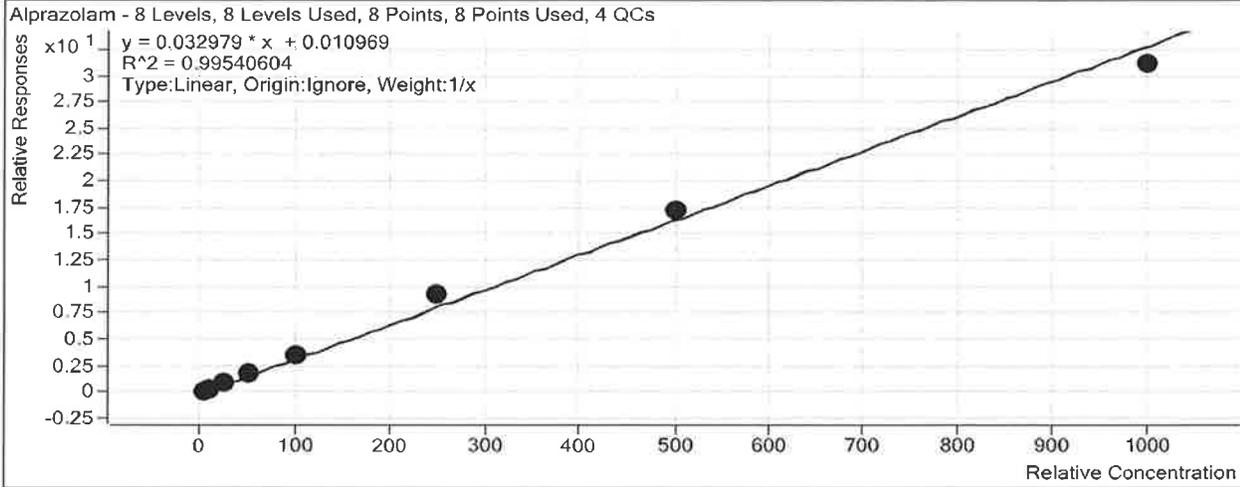
Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1a.batch.bin

Last Calib Update 8/9/2018 10:30 AM

Analyst Name ISP TOX

Target Compound Alprazolam

Internal Standard Alprazolam-D5



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.4	87.3
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.1	90.8
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.9	98.8
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.4	101.5
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.3	104.6
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	105.6	105.6
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	112.7	112.7
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	279.1	111.6
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	293.7	117.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	521.4	104.3
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	942.8	94.3
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	960.4	96.0

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

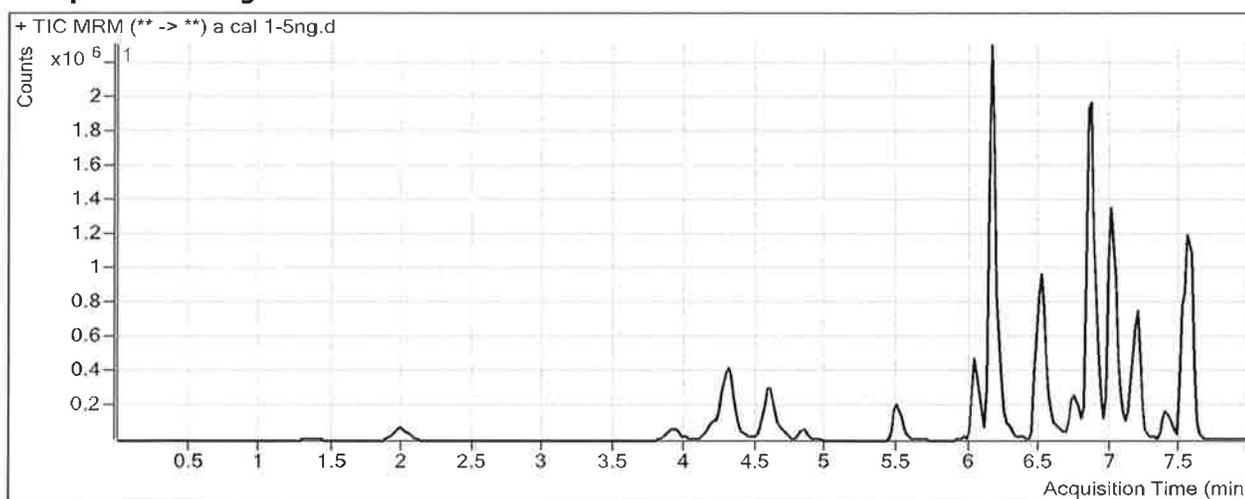
TS
P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1a.batch.bin
Analysis Time 8/9/2018 10:30 AM **Analyst Name** ISPUser
Report Time 8/9/2018 10:35 AM **Reporter Name** ISPUser
Last Calib Update 8/9/2018 10:30 AM **Batch State** Processed

Analysis Info

Acq Time 2018-08-06 12:21 **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-A1 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.368	16037	67577	0.2373	5.3342
Hydromorphone	Hydromorphone-D6	2.009	60289	485774	0.1241	5.3035
Codeine	Codeine-D6	3.952	25094	228659	0.1097	5.1806
Amphetamine	Amphetamine-D11	4.323	459247	463673	0.9905	3.5995
Oxycodone	Oxycodone-D6	4.330	209258	1956442	0.1070	5.4359
Hydrocodone	Hydrocodone-D6	4.635	71967	990128	0.0727	5.1354
Norhydrocodone	Norhydrocodone-D3	4.678	3680	238433	0.0154	5.4268
Methamphetamine	Methamphetamine-D11	4.702	84228	464721	0.1812	5.2338
6-MAM	6-MAM-D6	4.849	3459	217881	0.0159	1.0071
Phentermine	Phentermine-D5	5.546	42922	864771	0.0496	6.1325
Dextrorphan	Dextrorphan-D3	6.043	82190	1546343	0.0532	5.1454
7-aminoclonazepam	7-Aminoclonazepam-D4	6.154	109529	1015823	0.1078	4.4124
Tramadol	Tramadol-13C-D3	6.180	704510	7129866	0.0988	4.7333
Metoprolol	Tramadol-13C-D3	6.281	53935	7129866	0.0076	4.9266
Doxylamine	Doxylamine-D5	6.502	342118	4086265	0.0837	5.0627
Bupropion	Bupropion-D9	6.771	108722	879680	0.1236	4.3263
Meprobamate	Meprobamate-D7	6.853	54467	392915	0.1386	5.0992
Zolpidem	Zolpidem-D6	6.862	572086	7585744	0.0754	5.0534
Venlafaxine	Venlafaxine-D6	7.006	446294	3940424	0.1133	4.9407
Trazodone	Trazodone-D6	7.076	74148	564489	0.1314	5.1135

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report a cal I

TS
D

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.139	74663	795034	0.0939	5.1317
Dextromethorphan	Dextromethorphan-D3	7.191	22756	173306	0.1313	5.4975
Diphenhydramine	Diphenhydramine-D3	7.194	146258	1759732	0.0831	4.9556
Promethazine	Promethazine-D3	7.389	54856	436546	0.1257	5.7473
Clonazepam	Clonazepam-D4	7.425	69853	108496	0.6438	5.0837
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.501	21363	199305	0.1072	5.0675
Carisoprodol	Carisoprodol-D7	7.514	179335	1780026	0.1007	5.0170
Lorazepam	Clonazepam-D4	7.543	17615	108496	0.1624	5.2925
Alprazolam	Alprazolam-D5	7.568	428855	2769238	0.1549	4.3632

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

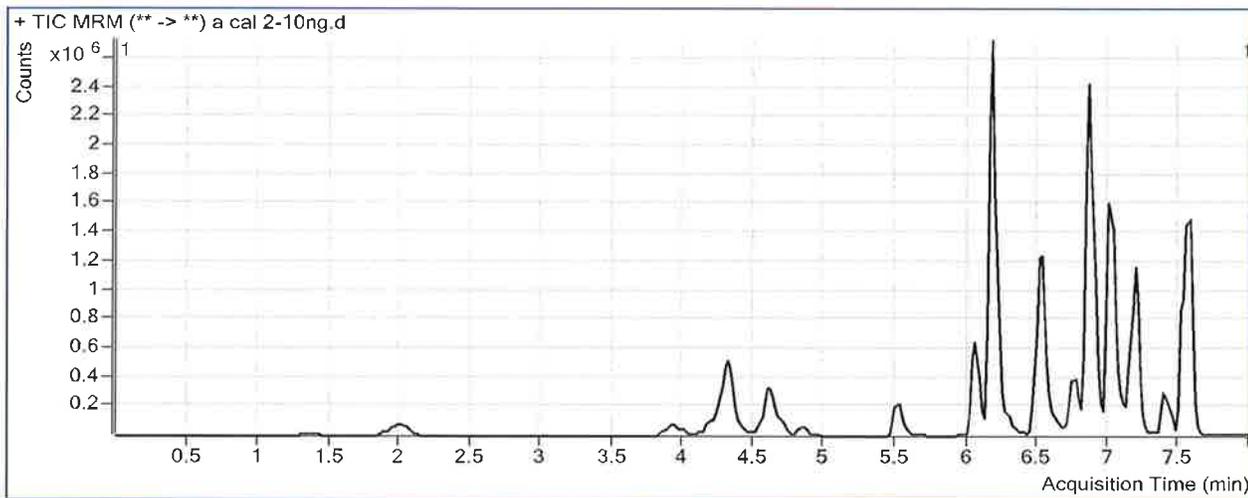
TS
D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1a.batch.bin
Analysis Time 8/9/2018 10:30 AM **Analyst Name** ISPUser
Report Time 8/9/2018 10:36 AM **Reporter Name** ISPUser
Last Calib Update 8/9/2018 10:30 AM **Batch State** Processed

Analysis Info

Acq Time 2018-08-06 12:53 **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-B1 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.368	32911	69217	0.4755	9.1477
Hydromorphone	Hydromorphone-D6	2.029	124784	502773	0.2482	9.1871
Codeine	Codeine-D6	3.972	58408	247733	0.2358	9.8741
Amphetamine	Amphetamine-D11	4.323	666354	465421	1.4317	9.6894
Oxycodone	Oxycodone-D6	4.350	443501	1879721	0.2359	9.8049
Hydrocodone	Hydrocodone-D6	4.635	164839	1065636	0.1547	9.6364
Norhydrocodone	Norhydrocodone-D3	4.678	7096	263942	0.0269	8.6363
Methamphetamine	Methamphetamine-D11	4.702	184931	503245	0.3675	9.2632
6-MAM	6-MAM-D6	4.869	4749	232834	0.0204	1.1692
Phentermine	Phentermine-D5	5.566	94040	970116	0.0969	9.9996
Dextroprophan	Dextroprophan-D3	6.063	204044	1788554	0.1141	9.5380
7-aminoclonazepam	7-Aminoclonazepam-D4	6.174	253938	1106714	0.2295	9.0583
Tramadol	Tramadol-13C-D3	6.180	1532738	7784435	0.1969	9.5994
Metoprolol	Tramadol-13C-D3	6.302	130563	7784435	0.0168	9.9759
Doxylamine	Doxylamine-D5	6.522	808736	4692652	0.1723	9.6486
Bupropion	Bupropion-D9	6.771	307107	1001100	0.3068	9.8617
Meprobamate	Meprobamate-D7	6.853	117231	414899	0.2826	9.6243
Zolpidem	Zolpidem-D6	6.882	1256624	8001421	0.1571	9.6399
Venlafaxine	Venlafaxine-D6	7.006	1033119	4205515	0.2457	9.8561
Trazodone	Trazodone-D6	7.096	208404	729362	0.2857	9.7540

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

TS
a cal 2 P

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.159	212516	1040128	0.2043	9.6790
Dextromethorphan	Dextromethorphan-D3	7.171	58935	231971	0.2541	9.6388
Diphenhydramine	Diphenhydramine-D3	7.194	439673	2340406	0.1879	9.8626
Promethazine	Promethazine-D3	7.389	167052	695561	0.2402	9.4491
Clonazepam	Clonazepam-D4	7.425	143847	114000	1.2618	9.3978
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.501	49400	203466	0.2428	10.1119
Carisoprodol	Carisoprodol-D7	7.534	391715	1782724	0.2197	9.7294
Lorazepam	Clonazepam-D4	7.543	43148	114000	0.3785	9.1361
Alprazolam	Alprazolam-D5	7.568	890814	2869043	0.3105	9.0822

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

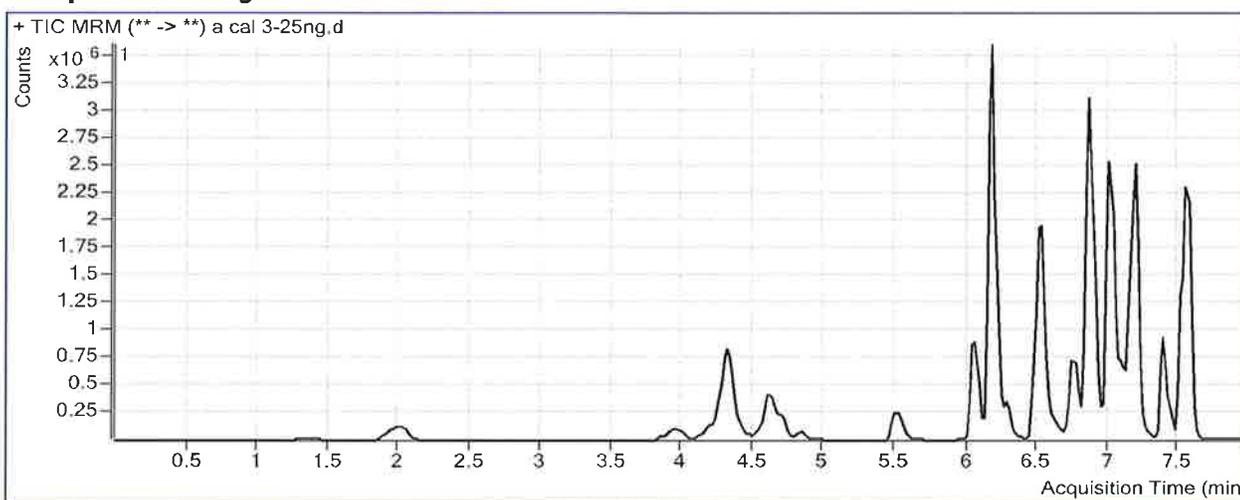
TSB

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1a.batch.bin		
Analysis Time	8/9/2018 10:30 AM	Analyst Name	ISPUser
Report Time	8/9/2018 10:36 AM	Reporter Name	ISPUser
Last Calib Update	8/9/2018 10:30 AM	Batch State	Processed

Analysis Info

Acq Time	2018-08-06 13:24	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-C1	Sample Info	
Inj Vol	-1	Comment	AM 28 worklist

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.388	85066	65378	1.3011	22.3683
Hydromorphone	Hydromorphone-D6	2.029	346445	501768	0.6904	23.0290
Codeine	Codeine-D6	3.972	133906	240228	0.5574	21.8530
Amphetamine	Amphetamine-D11	4.323	1458281	554427	2.6302	26.2300
Oxycodone	Oxycodone-D6	4.350	1324369	2096121	0.6318	23.2146
Hydrocodone	Hydrocodone-D6	4.635	443770	1073726	0.4133	23.8313
Norhydrocodone	Norhydrocodone-D3	4.678	19361	261122	0.0741	21.8813
Methamphetamine	Methamphetamine-D11	4.702	605962	568586	1.0657	24.3709
6-MAM	6-MAM-D6	4.869	12353	219550	0.0563	2.4556
Phentermine	Phentermine-D5	5.546	294026	1106245	0.2658	23.8035
Dextroprphan	Dextroprphan-D3	6.063	608135	1926915	0.3156	24.0655
7-aminoclonazepam	7-Aminoclonazepam-D4	6.174	730721	1108308	0.6593	25.4778
Tramadol	Tramadol-13C-D3	6.180	4252649	8304863	0.5121	25.2350
Metoprolol	Tramadol-13C-D3	6.302	366430	8304863	0.0441	24.9742
Doxylamine	Doxylamine-D5	6.522	2324911	4918457	0.4727	25.1918
Bupropion	Bupropion-D9	6.771	892413	1179374	0.7567	23.4574
Meprobamate	Meprobamate-D7	6.853	321415	428508	0.7501	24.3229
Zolpidem	Zolpidem-D6	6.882	3351516	7822285	0.4285	24.8887
Venlafaxine	Venlafaxine-D6	7.006	3184673	4602835	0.6919	26.4231
Trazodone	Trazodone-D6	7.096	909056	1208385	0.7523	23.7780

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

TS
D
9 cal 3

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.159	884725	1605333	0.5511	23.9625
Dextromethorphan	Dextromethorphan-D3	7.171	311331	453055	0.6872	24.2509
Diphenhydramine	Diphenhydramine-D3	7.194	1970488	3704309	0.5319	25.9812
Promethazine	Promethazine-D3	7.389	1091243	1582126	0.6897	23.9822
Clonazepam	Clonazepam-D4	7.425	356714	98509	3.6211	25.8679
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.501	118976	205805	0.5781	22.5852
Carisoprodol	Carisoprodol-D7	7.534	1067739	1684269	0.6339	26.1355
Lorazepam	Clonazepam-D4	7.543	112934	98509	1.1464	22.7925
Alprazolam	Alprazolam-D5	7.568	2333327	2752781	0.8476	25.3691

TS
P

ISP FORENSICS - Pocatello Instrument # 59740

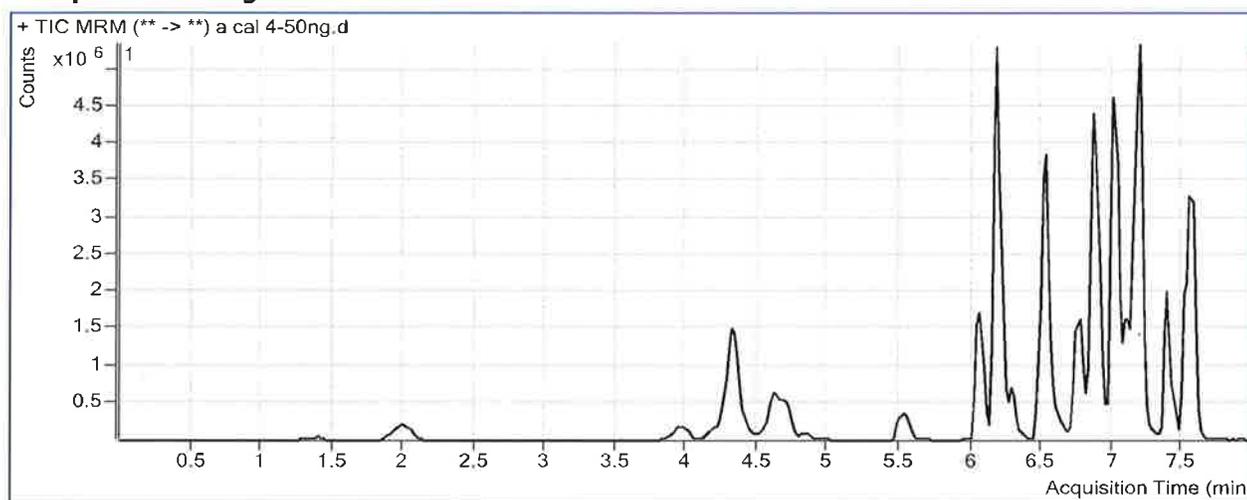
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1a.batch.bin
Analysis Time 8/9/2018 10:30 AM **Analyst Name** ISUser
Report Time 8/9/2018 10:36 AM **Reporter Name** ISUser
Last Calib Update 8/9/2018 10:30 AM **Batch State** Processed

Analysis Info

Acq Time 2018-08-06 13:56 **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-D1 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.368	182126	59164	3.0783	50.8251
Hydromorphone	Hydromorphone-D6	2.009	729894	496537	1.4700	47.4269
Codeine	Codeine-D6	3.972	300539	240429	1.2500	47.6475
Amphetamine	Amphetamine-D11	4.323	3170124	726125	4.3658	50.1821
Oxycodone	Oxycodone-D6	4.330	2840857	1953469	1.4543	51.0735
Hydrocodone	Hydrocodone-D6	4.635	981191	1126412	0.8711	48.9581
Norhydrocodone	Norhydrocodone-D3	4.658	51391	278607	0.1845	52.7978
Methamphetamine	Methamphetamine-D11	4.702	1696681	778833	2.1785	48.4469
6-MAM	6-MAM-D6	4.849	26863	219475	0.1224	4.8272
Phentermine	Phentermine-D5	5.546	832736	1276904	0.6522	55.3899
Dextrophan	Dextrophan-D3	6.063	1585489	2325831	0.6817	50.4568
7-aminoclonazepam	7-Aminoclonazepam-D4	6.174	1436784	1022841	1.4047	53.9494
Tramadol	Tramadol-13C-D3	6.180	9434810	8669859	1.0882	53.8187
Metoprolol	Tramadol-13C-D3	6.302	877251	8669859	0.1012	56.2659
Doxylamine	Doxylamine-D5	6.522	5556433	5735154	0.9688	50.8673
Bupropion	Bupropion-D9	6.771	2533809	1466116	1.7282	52.8165
Meprobamate	Meprobamate-D7	6.853	605533	374989	1.6148	51.5092
Zolpidem	Zolpidem-D6	6.882	7113950	7763072	0.9164	52.3023
Venlafaxine	Venlafaxine-D6	7.006	7892465	5509297	1.4326	53.9217
Trazodone	Trazodone-D6	7.096	2468537	1543160	1.5997	49.2489

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report a cal 4

TS
P

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.139	2482184	2111472	1.1756	49.6818
Dextromethorphan	Dextromethorphan-D3	7.171	991179	666526	1.4871	51.2369
Diphenhydramine	Diphenhydramine-D3	7.194	5649896	5088421	1.1103	53.0766
Promethazine	Promethazine-D3	7.389	3198892	2209015	1.4481	48.4983
Clonazepam	Clonazepam-D4	7.425	680431	92037	7.3930	52.1991
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.501	248660	188810	1.3170	50.0711
Carisoprodol	Carisoprodol-D7	7.534	1889636	1528494	1.2363	49.9920
Lorazepam	Clonazepam-D4	7.543	254287	92037	2.7629	51.5377
Alprazolam	Alprazolam-D5	7.568	4335482	2496818	1.7364	52.3187

TS B

ISP FORENSICS - Pocatello Instrument # 59740

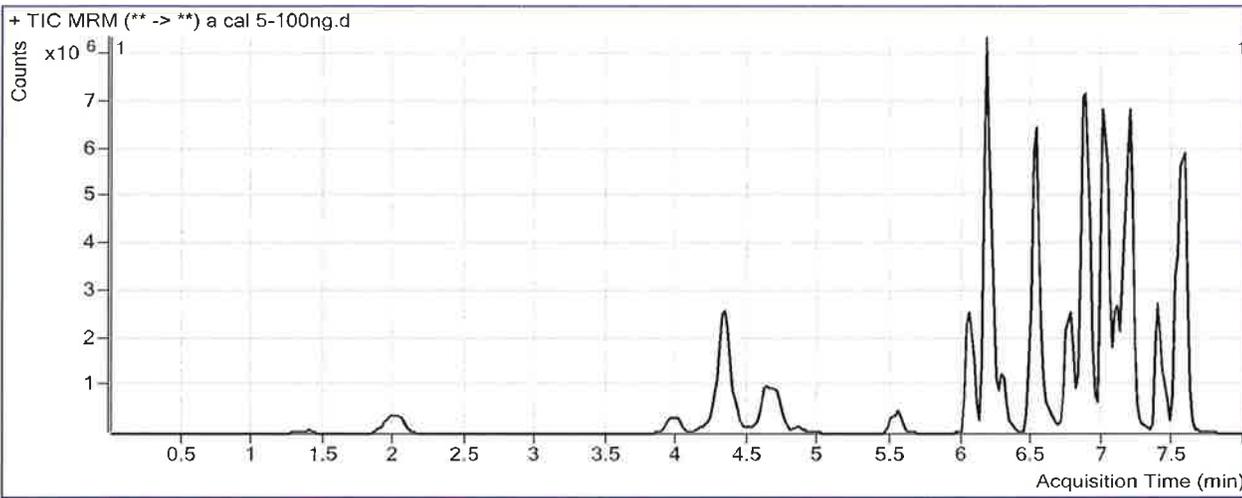
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1a.batch.bin
Analysis Time 8/9/2018 10:30 AM **Analyst Name** ISPUser
Report Time 8/9/2018 10:36 AM **Reporter Name** ISPUser
Last Calib Update 8/9/2018 10:30 AM **Batch State** Processed

Analysis Info

Acq Time 2018-08-06 14:27 **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-E1 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.368	365699	67722	5.4000	88.0003
Hydromorphone	Hydromorphone-D6	2.029	1586135	516183	3.0728	97.5935
Codeine	Codeine-D6	3.972	629936	246012	2.5606	96.4575
Amphetamine	Amphetamine-D11	4.323	5658506	647941	8.7331	110.4535
Oxycodone	Oxycodone-D6	4.330	5902429	2198360	2.6849	92.7600
Hydrocodone	Hydrocodone-D6	4.635	2119829	1146618	1.8488	102.6222
Norhydrocodone	Norhydrocodone-D3	4.678	94295	269134	0.3504	99.2953
Methamphetamine	Methamphetamine-D11	4.702	2857926	688015	4.1539	91.1870
6-MAM	6-MAM-D6	4.849	58993	237082	0.2488	9.3616
Phentermine	Phentermine-D5	5.546	1380492	1189875	1.1602	96.9240
Dextrophan	Dextrophan-D3	6.063	2957208	2169920	1.3628	99.5599
7-aminoclonazepam	7-Aminoclonazepam-D4	6.174	3009903	1100964	2.7339	104.7202
Tramadol	Tramadol-13C-D3	6.180	18343562	8775721	2.0903	103.5297
Metoprolol	Tramadol-13C-D3	6.302	1725991	8775721	0.1967	108.6333
Doxylamine	Doxylamine-D5	6.522	10665033	5395311	1.9767	103.0254
Bupropion	Bupropion-D9	6.771	4309039	1248505	3.4514	104.8863
Meprobamate	Meprobamate-D7	6.853	1290098	400881	3.2182	101.9172
Zolpidem	Zolpidem-D6	6.882	15298386	8001228	1.9120	108.2403
Venlafaxine	Venlafaxine-D6	7.006	14115024	5194695	2.7172	101.6150
Trazodone	Trazodone-D6	7.096	4254200	1318988	3.2254	98.1150

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

TS D
9 cal 5

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.159	4036869	1794142	2.2500	93.9354
Dextromethorphan	Dextromethorphan-D3	7.171	1514699	542745	2.7908	95.2205
Diphenhydramine	Diphenhydramine-D3	7.194	8828791	4063205	2.1729	102.8507
Promethazine	Promethazine-D3	7.389	5467477	1868138	2.9267	96.2970
Clonazepam	Clonazepam-D4	7.425	1517122	102216	14.8423	104.2017
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.501	529100	204152	2.5917	97.4893
Carisoprodol	Carisoprodol-D7	7.534	3916883	1540344	2.5429	101.7424
Lorazepam	Clonazepam-D4	7.543	560977	102216	5.4882	100.0010
Alprazolam	Alprazolam-D5	7.568	9037503	2586797	3.4937	105.6037

TS
R

ISP FORENSICS - Pocatello Instrument # 59740

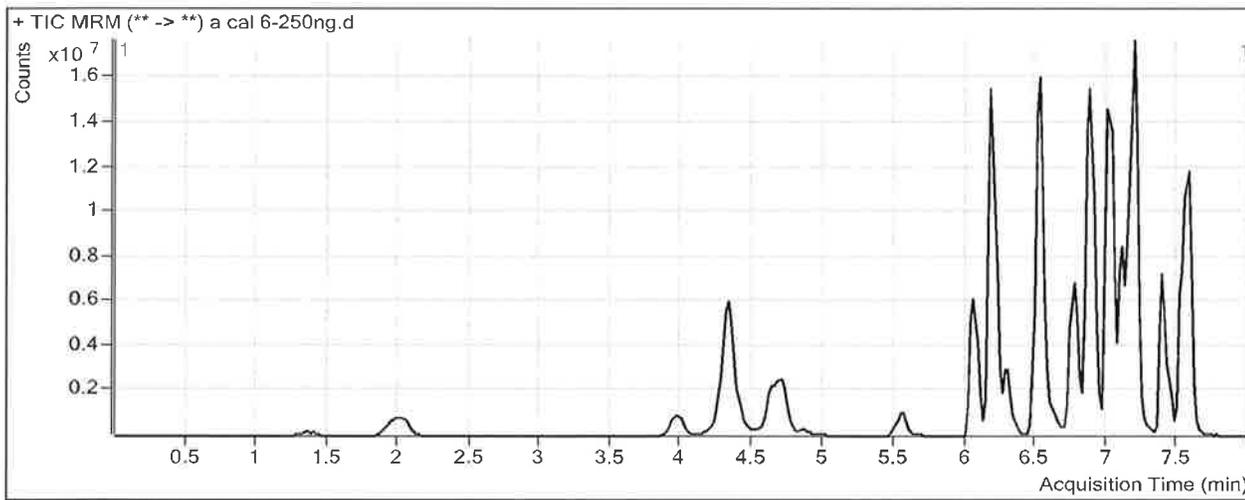
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1a.batch.bin
Analysis Time 8/9/2018 10:30 AM **Analyst Name** ISPUser
Report Time 8/9/2018 10:36 AM **Reporter Name** ISPUser
Last Calib Update 8/9/2018 10:30 AM **Batch State** Processed

Analysis Info

Acq Time 2018-08-06 14:59 **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-F1 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.368	905060	60938	14.8521	239.3480
Hydromorphone	Hydromorphone-D6	2.009	3874841	458024	8.4599	266.2011
Codeine	Codeine-D6	3.972	1537776	222657	6.9065	258.3112
Amphetamine	Amphetamine-D11	4.323	12480425	636034	19.6223	260.7332
Oxycodone	Oxycodone-D6	4.330	14806328	1915311	7.7305	263.6705
Hydrocodone	Hydrocodone-D6	4.635	5139839	1065543	4.8237	265.9113
Norhydrocodone	Norhydrocodone-D3	4.678	239702	239401	1.0013	281.7137
Methamphetamine	Methamphetamine-D11	4.702	8594821	671136	12.8064	278.3957
6-MAM	6-MAM-D6	4.849	147132	231468	0.6356	23.2344
Phentermine	Phentermine-D5	5.566	4154712	1330862	3.1218	257.2915
Dextrophan	Dextrophan-D3	6.063	8123380	2268358	3.5812	259.4820
7-aminoclonazepam	7-Aminoclonazepam-D4	6.174	6667749	941789	7.0799	270.7249
Tramadol	Tramadol-13C-D3	6.180	43582602	8888469	4.9033	243.0840
Metoprolol	Tramadol-13C-D3	6.302	4320812	8888469	0.4861	267.3556
Doxylamine	Doxylamine-D5	6.522	29171111	5725595	5.0949	264.3890
Bupropion	Bupropion-D9	6.771	12335244	1458139	8.4596	256.2270
Meprobamate	Meprobamate-D7	6.873	2966103	361785	8.1985	258.4964
Zolpidem	Zolpidem-D6	6.882	36022772	7754396	4.6455	261.8169
Venlafaxine	Venlafaxine-D6	7.006	37481407	5434162	6.8974	256.8087
Trazodone	Trazodone-D6	7.096	13045265	1485344	8.7827	265.1601

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

TS
9 cal 6 B

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.159	12319379	1929226	6.3857	264.2691
Dextromethorphan	Dextromethorphan-D3	7.191	4640180	631760	7.3448	248.8588
Diphenhydramine	Diphenhydramine-D3	7.194	26647090	4770704	5.5856	262.7201
Promethazine	Promethazine-D3	7.389	16983366	2190076	7.7547	252.3722
Clonazepam	Clonazepam-D4	7.425	3628488	98816	36.7197	256.9245
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.501	1240664	177390	6.9940	261.2517
Carisoprodol	Carisoprodol-D7	7.534	8567172	1320130	6.4896	258.0636
Lorazepam	Clonazepam-D4	7.543	1265166	98816	12.8033	230.0850
Alprazolam	Alprazolam-D5	7.568	20216081	2193626	9.2158	279.1102

TS 

ISP FORENSICS - Pocatello Instrument # 59740

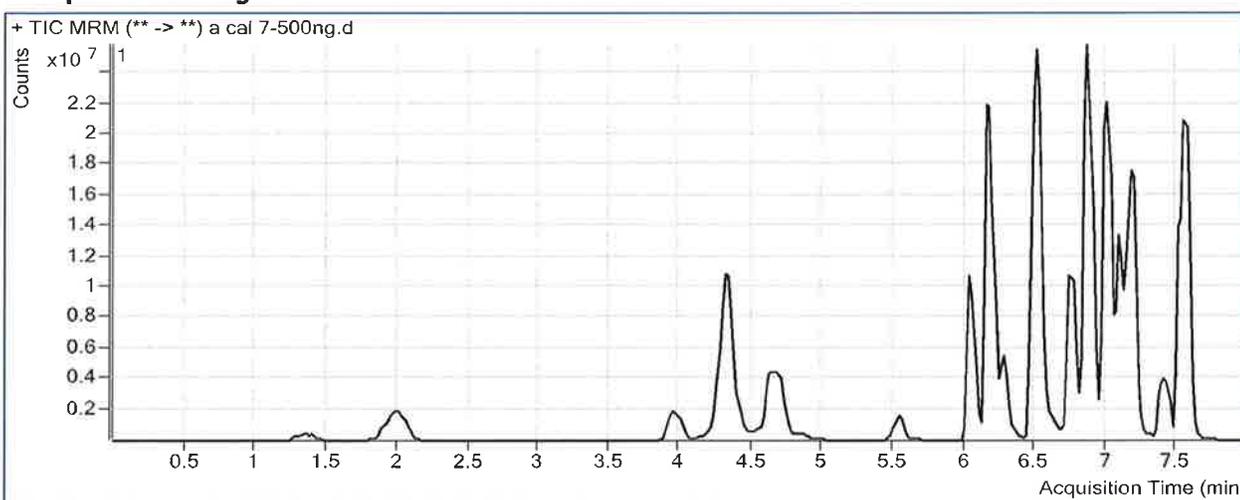
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1a.batch.bin
Analysis Time 8/9/2018 10:30 AM **Analyst Name** ISPUser
Report Time 8/9/2018 10:36 AM **Reporter Name** ISPUser
Last Calib Update 8/9/2018 10:30 AM **Batch State** Processed

Analysis Info

Acq Time 2018-08-06 15:30 **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-G1 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.368	2317457	65387	35.4420	569.0371
Hydromorphone	Hydromorphone-D6	2.009	8995599	540561	16.6412	522.2638
Codeine	Codeine-D6	3.952	3409683	235197	14.4972	541.0113
Amphetamine	Amphetamine-D11	4.303	20869573	555328	37.5806	508.5725
Oxycodone	Oxycodone-D6	4.330	33298019	2237324	14.8830	505.9479
Hydrocodone	Hydrocodone-D6	4.615	11108016	1219957	9.1053	500.9208
Norhydrocodone	Norhydrocodone-D3	4.658	563414	242671	2.3217	651.7878
Methamphetamine	Methamphetamine-D11	4.702	13717163	586858	23.3739	507.0384
6-MAM	6-MAM-D6	4.849	368174	270220	1.3625	49.3021
Phentermine	Phentermine-D5	5.546	7134085	1157660	6.1625	505.8754
Dextrophan	Dextrophan-D3	6.043	15105129	2188664	6.9015	498.8479
7-aminoclonazepam	7-Aminoclonazepam-D4	6.154	13529101	1010251	13.3918	511.8232
Tramadol	Tramadol-13C-D3	6.180	70647907	10244435	6.8962	341.9547
Metoprolol	Tramadol-13C-D3	6.281	7775240	10244435	0.7590	416.9864
Doxylamine	Doxylamine-D5	6.502	53763195	6126186	8.7760	454.8861
Bupropion	Bupropion-D9	6.751	22802902	1165630	19.5627	591.7471
Meprobamate	Meprobamate-D7	6.853	6420491	412371	15.5697	490.2396
Zolpidem	Zolpidem-D6	6.862	66864288	8814129	7.5860	427.0297
Venlafaxine	Venlafaxine-D6	7.006	60468649	5307049	11.3940	423.7526
Trazodone	Trazodone-D6	7.076	21252996	1165249	18.2390	549.4058

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

TS
D
a cal 7

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.139	14955689	1177080	12.7058	524.5741
Dextromethorphan	Dextromethorphan-D3	7.171	4083673	282408	14.4602	488.9076
Diphenhydramine	Diphenhydramine-D3	7.194	29259495	2695998	10.8529	509.4720
Promethazine	Promethazine-D3	7.389	8555767	554749	15.4228	500.2591
Clonazepam	Clonazepam-D4	7.425	8071980	115110	70.1240	490.1158
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.501	3015488	217261	13.8795	517.3899
Carisoprodol	Carisoprodol-D7	7.514	17153918	1387740	12.3610	490.6140
Lorazepam	Clonazepam-D4	7.543	3252036	115110	28.2515	504.8006
Alprazolam	Alprazolam-D5	7.568	38052622	2211651	17.2055	521.3742

TS 

ISP FORENSICS - Pocatello Instrument # 59740

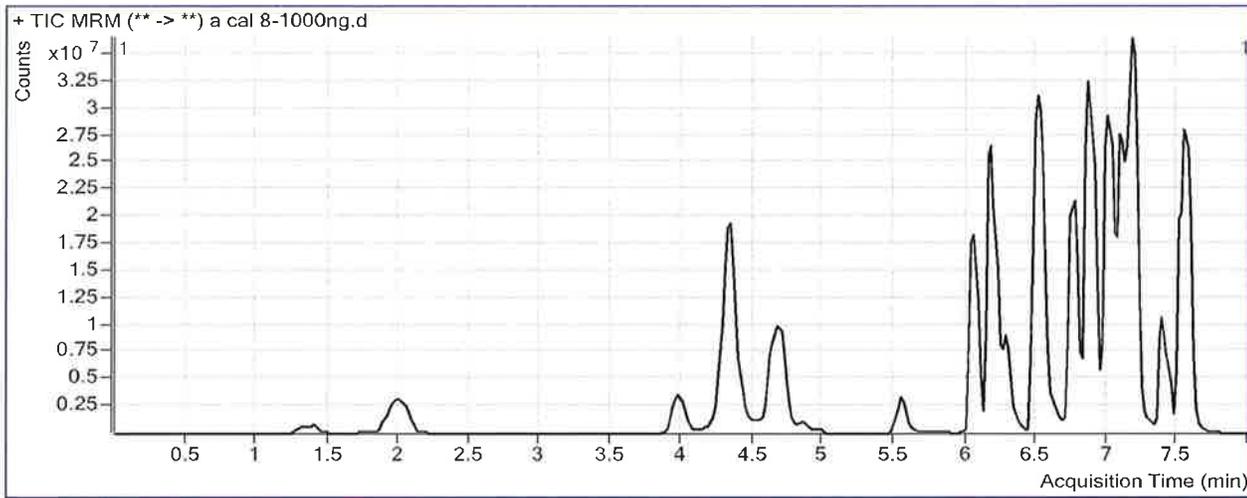
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1a.batch.bin
Analysis Time 8/9/2018 10:30 AM **Analyst Name** ISPUser
Report Time 8/9/2018 10:36 AM **Reporter Name** ISPUser
Last Calib Update 8/9/2018 10:30 AM **Batch State** Processed

Analysis Info

Acq Time 2018-08-06 16:02 **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-H1 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.368	3990730	56541	70.5815	1131.6965
Hydromorphone	Hydromorphone-D6	2.009	15998551	470517	34.0020	1065.6313
Codeine	Codeine-D6	3.972	6136029	213880	28.6891	1069.5642
Amphetamine	Amphetamine-D11	4.323	37720833	632020	59.6830	813.6027
Oxycodone	Oxycodone-D6	4.330	60742648	2086176	29.1167	988.0926
Hydrocodone	Hydrocodone-D6	4.635	20688471	1154020	17.9273	985.1518
Norhydrocodone	Norhydrocodone-D3	4.678	996246	192615	5.1722	1450.6669
Methamphetamine	Methamphetamine-D11	4.702	33824305	702128	48.1740	1043.6219
6-MAM	6-MAM-D6	4.849	731683	255481	2.8639	103.1498
Phentermine	Phentermine-D5	5.546	14325027	1262144	11.3498	929.9462
Dextrophan	Dextrophan-D3	6.063	30175099	2147775	14.0495	1014.1461
7-aminoclonazepam	7-Aminoclonazepam-D4	6.154	19811702	788659	25.1207	959.8337
Tramadol	Tramadol-13C-D3	6.180	91967778	8289965	11.0939	550.2010
Metoprolol	Tramadol-13C-D3	6.281	13640065	8289965	1.6454	903.0733
Doxylamine	Doxylamine-D5	6.502	84632158	6692196	12.6464	655.1809
Bupropion	Bupropion-D9	6.771	40883405	1378699	29.6536	896.6778
Meprobamate	Meprobamate-D7	6.853	10185663	326679	31.1795	980.9985
Zolpidem	Zolpidem-D6	6.862	90523759	8332066	10.8645	611.2272
Venlafaxine	Venlafaxine-D6	7.006	86956985	5407703	16.0802	597.7327
Trazodone	Trazodone-D6	7.096	50680472	1648614	30.7413	925.2062

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

TS
a cal 8 B

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.139	34163003	1397598	24.4441	1008.0390
Dextromethorphan	Dextromethorphan-D3	7.171	11004406	365651	30.0954	1016.3889
Diphenhydramine	Diphenhydramine-D3	7.194	60110684	3423800	17.5567	823.5129
Promethazine	Promethazine-D3	7.389	27165276	876677	30.9866	1003.3947
Clonazepam	Clonazepam-D4	7.425	12525420	95639	130.9650	914.8388
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.501	5162908	189273	27.2776	1015.7895
Carisoprodol	Carisoprodol-D7	7.514	24040992	1006055	23.8963	947.4938
Lorazepam	Clonazepam-D4	7.543	6201457	95639	64.8420	1155.4871
Alprazolam	Alprazolam-D5	7.568	50152595	1612460	31.1031	942.7787

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

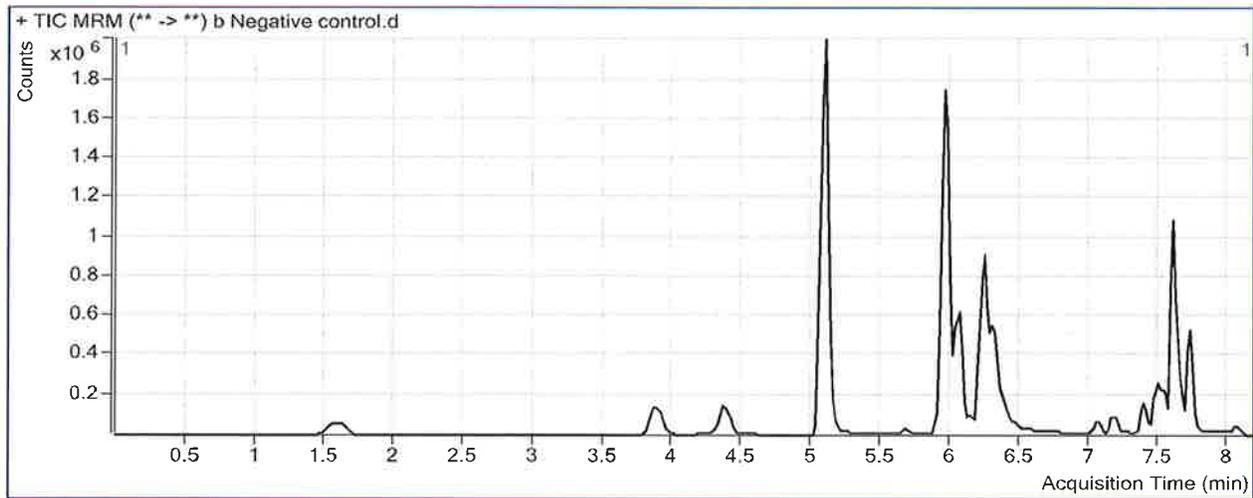
TS
D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1b.batch.bin
Analysis Time 8/9/2018 10:21 AM **Analyst Name** ISPUser
Report Time 8/9/2018 10:44 AM **Reporter Name** ISPUser
Last Calib Update 8/9/2018 10:21 AM **Batch State** Processed

Analysis Info

Acq Time 2018-08-06 17:20 **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-G4 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist

Sample Chromatogram



TS 

ISP FORENSICS - Pocatello Instrument # 59740

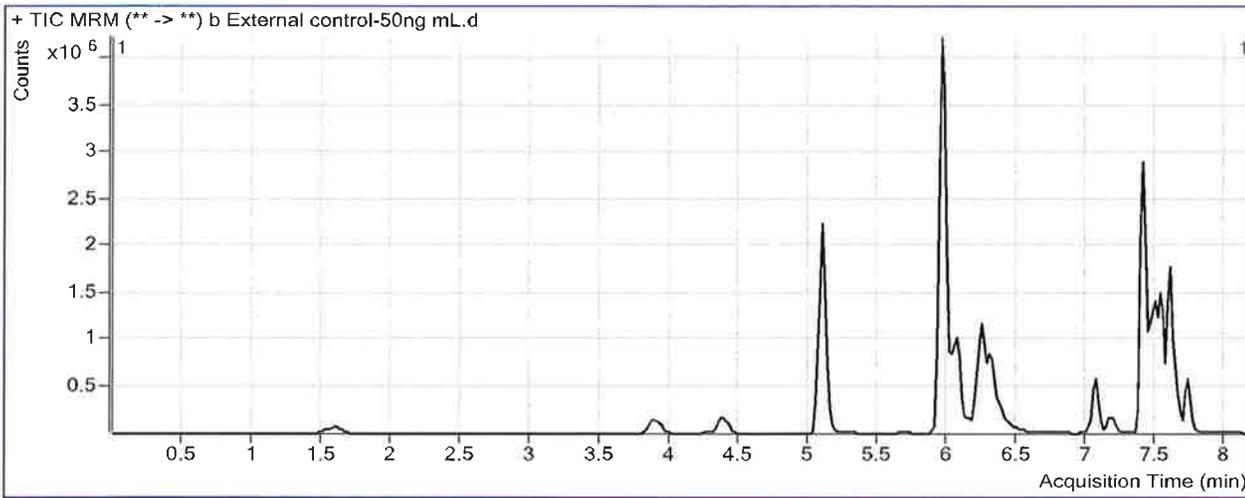
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1b.batch.bin
Analysis Time 8/9/2018 10:21 AM **Analyst Name** ISPUser
Report Time 8/9/2018 10:44 AM **Reporter Name** ISPUser
Last Calib Update 8/9/2018 10:21 AM **Batch State** Processed

Analysis Info

Acq Time 2018-08-06 17:52 **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-H4 **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	5.962	7429304	4576482	1.6234	66.5490
Quetiapine	Quetiapine-D8	7.399	6175471	1176338	5.2497	50.5556

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

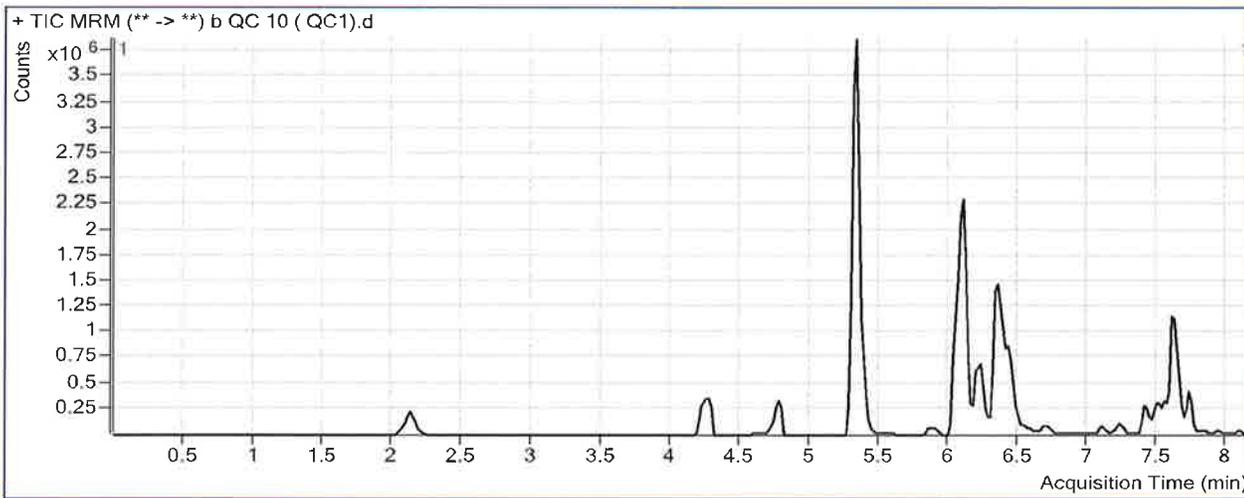
TS B

Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1b.batch.bin
Analysis Time 8/9/2018 10:21 AM **Analyst Name** ISPUser
Report Time 8/9/2018 10:44 AM **Reporter Name** ISPUser
Last Calib Update 8/9/2018 10:21 AM **Batch State** Processed

Analysis Info

Acq Time 2018-08-07 08:07 **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-A2 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.334	2833171	9903258	0.2861	13.7789
Benzoylcegonine	Benzoylcegonine-d8	5.891	75871	120121	0.6316	36.2789
Ketamine	Ketamine-D4	6.082	1254004	5655147	0.2217	9.7512
Norfentanyl	Norfentanyl-D5	6.125	81939	4987293	0.0164	1.5353
Cocaine	Cocaine-d3	6.355	349276	5237079	0.0667	8.9007
alpha-PVP	alpha-PVP-d8	6.448	440294	2576794	0.1709	9.7896
Mirtazapine	alpha-PVP-d8	6.705	160474	2576794	0.0623	6.9158
Fentanyl	Fentanyl-D5	7.098	2993	236058	0.0127	1.6311
Mitragynine	EDDP-D3	7.196	21076	255124	0.0826	6.8247
EDDP	EDDP-D3	7.230	48438	255124	0.1899	9.9955
Quetiapine	Quetiapine-D8	7.418	438411	398784	1.0994	11.1989
Cyclobenzaprine	Cyclobenzaprine-D3	7.473	37492	136004	0.2757	12.1638
Methadone	Methadone-D9	7.501	233261	658869	0.3540	12.5505
Fluoxetine	Fluoxetine-D6	7.541	74881	332032	0.2255	11.1712
Oxazepam	Oxazepam-D5	7.569	62429	349039	0.1789	8.7301
Sertraline	Sertraline-D3	7.603	32273	150322	0.2147	11.4700
Temazepam	Temazepam-D5	7.625	592573	2844466	0.2083	9.9153
Nordiazepam	Nordiazepam-D5	7.675	108506	281230	0.3858	10.7114
Diazepam	Diazepam-D5	7.732	184243	750582	0.2455	10.2008

** Failed to finish acquisition. Sample reinjected 8/7/18. B TS

TS B

ISP FORENSICS - Pocatello Instrument # 59740

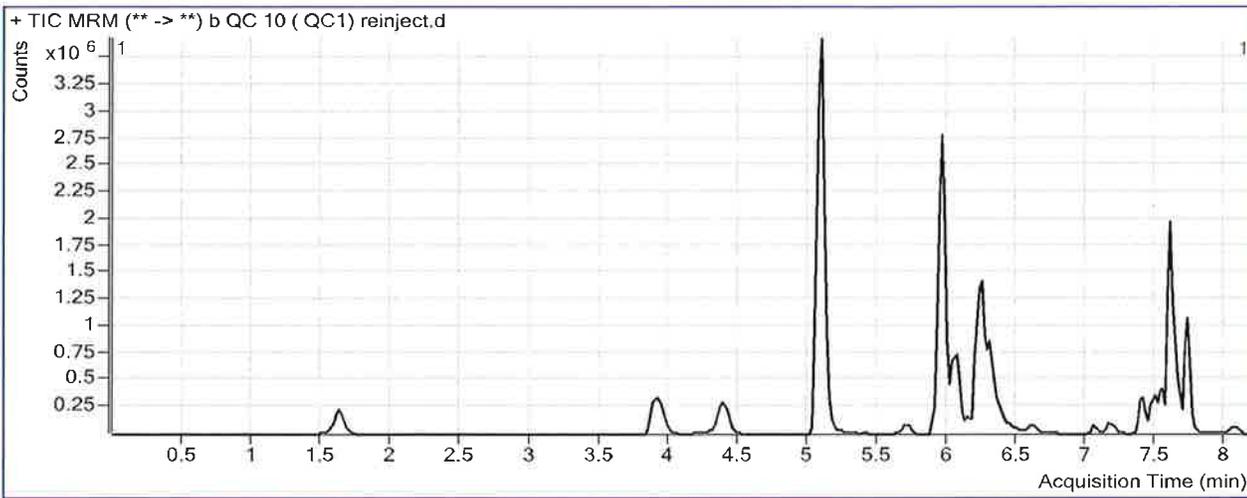
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1b.batch.bin
Analysis Time 8/9/2018 10:21 AM **Analyst Name** ISPUser
Report Time 8/9/2018 10:44 AM **Reporter Name** ISPUser
Last Calib Update 8/9/2018 10:21 AM **Batch State** Processed

Analysis Info

Acq Time 2018-08-07 09:36 **Data File** b QC 10 (QC1) reinject.d
Sample Type QC **Sample Name** b QC 10 (QC1) reinject
Dilution 1 **Acq Method** MD Quant Panel 1b 7-11-18.m
Position P1-A2 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.628	256063	979518	0.2614	9.9787
Dihydrocodeine	Dihydrocodeine-D6	3.950	260279	1410344	0.1846	9.8155
Noroxycodone	Noroxycodone-D3	4.411	377382	1274950	0.2960	10.1354
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.100	2987510	13462963	0.2219	10.7333
Benzoylcgonine	Benzoylcgonine-d8	5.711	78311	117807	0.6647	38.1267 <i>Did not evaluate P</i>
Ketamine	Ketamine-D4	5.962	1257169	5534345	0.2272	9.9705
* Norfentanyl	Norfentanyl-D5	5.984	79169	5101232	0.0155	1.4956 <i>TS</i>
Cocaine	Cocaine-d3	6.232	355293	5046484	0.0704	9.3260
alpha-PVP	alpha-PVP-d8	6.308	463927	2692414	0.1723	9.8607
Mirtazapine	alpha-PVP-d8	6.604	170715	2692414	0.0634	6.9897
* Norbuprenorphine	Norbuprenorphine-D3	6.994	358	10666	0.0336	0.0000
* Fentanyl	Fentanyl-D5	7.057	2671	263787	0.0101	1.4931
Mitragynine	EDDP-D3	7.136	21132	280924	0.0752	6.5073
EDDP	EDDP-D3	7.169	47621	280924	0.1695	9.1301
Quetiapine	Quetiapine-D8	7.399	512690	491381	1.0434	10.6678
Cyclobenzaprine	Cyclobenzaprine-D3	7.453	40566	161848	0.2506	11.2663
Methadone	Methadone-D9	7.481	196828	773172	0.2546	8.9779
Fluoxetine	Fluoxetine-D6	7.521	124766	568433	0.2195	10.9242
Oxazepam	Oxazepam-D5	7.549	69303	386477	0.1793	8.7511

* outside curve range P TS

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

TS S

bQC10(QC1)

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Sertraline	Sertraline-D3	7.583	61552	281894	0.2184	11.6223
Temazepam	Temazepam-D5	7.604	881397	4330378	0.2035	9.7005
Buprenorphine	Buprenorphine-D4	7.637	3813	90690	0.0420	1.1281
Nordiazepam	Nordiazepam-D5	7.675	196844	547747	0.3594	10.1132
Diazepam	Diazepam-D5	7.732	514175	2009475	0.2559	10.5784

TS

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

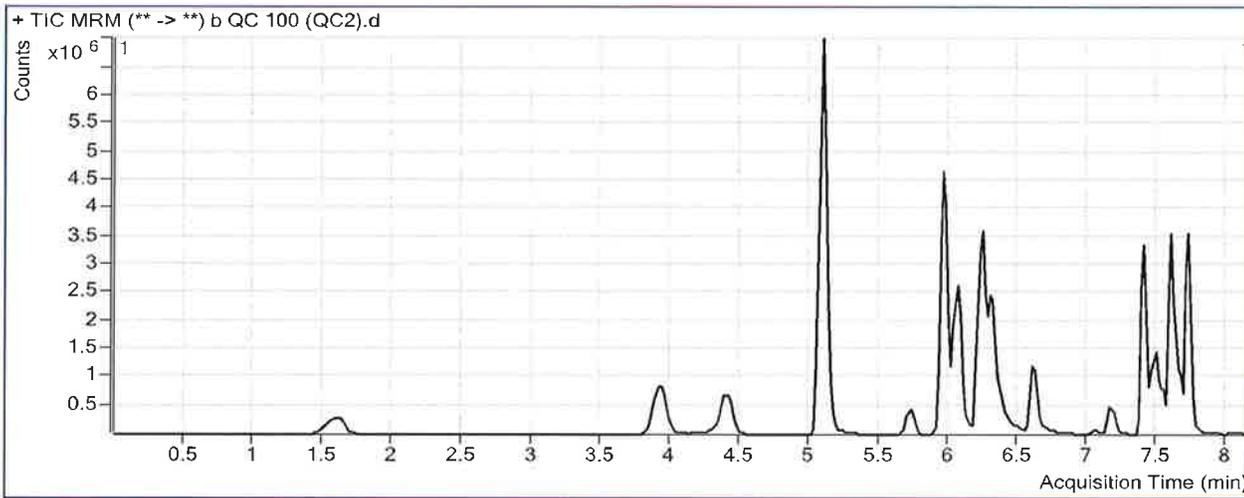
P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1b.batch.bin
Analysis Time 8/9/2018 10:21 AM **Analyst Name** ISPUser
Report Time 8/9/2018 10:44 AM **Reporter Name** ISPUser
Last Calib Update 8/9/2018 10:21 AM **Batch State** Processed

Analysis Info

Acq Time 2018-08-07 12:29 **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-B2 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.608	1805338	572938	3.1510	96.0758
Dihydrocodeine	Dihydrocodeine-D6	3.930	2037895	867590	2.3489	114.0481
Noroxycodone	Noroxycodone-D3	4.411	2976716	837075	3.5561	101.2670
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.100	20590718	8442412	2.4390	115.9426
Benzoylcegonine	Benzoylcegonine-d8	5.711	519622	68660	7.5680	423.3356
Ketamine	Ketamine-D4	5.962	10160933	3696879	2.7485	112.1434
Norfentanyl	Norfentanyl-D5	6.004	880011	4246816	0.2072	9.8542
Cocaine	Cocaine-d3	6.232	3382473	3765540	0.8983	104.1835
alpha-PVP	alpha-PVP-d8	6.328	4550511	2352923	1.9340	96.7958
Mirtazapine	alpha-PVP-d8	6.604	2994349	2352923	1.2726	86.0861
Norbuprenorphine	Norbuprenorphine-D3	6.954	2875	12848	0.2238	9.4934
Fentanyl	Fentanyl-D5	7.057	40774	212953	0.1915	11.2905
Mitragynine	EDDP-D3	7.136	251035	330504	0.7596	35.9076
EDDP	EDDP-D3	7.169	758602	330504	2.2953	99.5528
Quetiapine	Quetiapine-D8	7.399	7316505	596635	12.2629	117.0596
Cyclobenzaprine	Cyclobenzaprine-D3	7.453	250875	93371	2.6869	98.6328
Methadone	Methadone-D9	7.481	2421418	780994	3.1004	111.2015
Fluoxetine	Fluoxetine-D6	7.521	569653	196467	2.8995	120.6520
Oxazepam	Oxazepam-D5	7.549	455648	219154	2.0791	95.3420

TS
P
did not evaluate

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

TS JS

b QC 100 (QC2)

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Sertraline	Sertraline-D3	7.583	226792	93278	2.4314	103.6283
Temazepam	Temazepam-D5	7.604	5869988	2504116	2.3441	105.7171
Buprenorphine	Buprenorphine-D4	7.637	42450	106350	0.3992	8.3169
Nordiazepam	Nordiazepam-D5	7.675	1733060	360645	4.8054	110.6344
Diazepam	Diazepam-D5	7.732	3996881	1417746	2.8192	103.5739

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

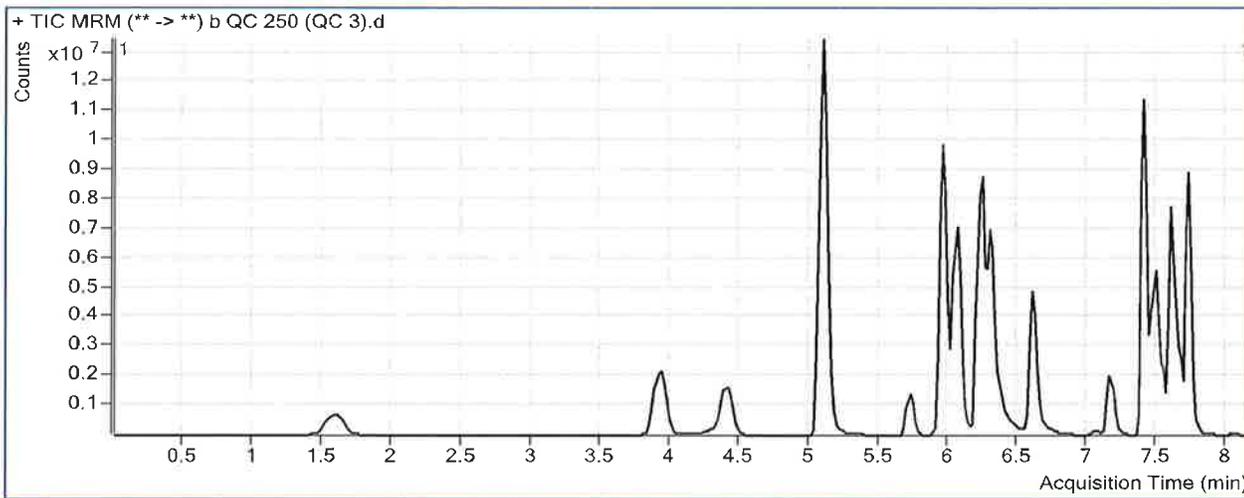
TS P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1b.batch.bin
Analysis Time 8/9/2018 10:21 AM **Analyst Name** ISPUser
Report Time 8/9/2018 10:45 AM **Reporter Name** ISPUser
Last Calib Update 8/9/2018 10:21 AM **Batch State** Processed

Analysis Info

Acq Time 2018-08-07 15:53 **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-C2 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.608	5002156	588823	8.4952	255.3075
Dihydrocodeine	Dihydrocodeine-D6	3.930	5479836	903161	6.0674	293.1249
Noroxycodone	Noroxycodone-D3	4.411	7741261	827174	9.3587	263.4706
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.100	50747804	8750276	5.7996	275.4184
Benzoylcegonine	Benzoylcegonine-d8	5.711	1654601	70754	23.3853	1305.9531
Ketamine	Ketamine-D4	5.962	27344652	3885466	7.0377	285.9527
Norfentanyl	Norfentanyl-D5	6.004	2857632	4855131	0.5886	26.4827
Cocaine	Cocaine-d3	6.232	9499369	4198041	2.2628	260.5335
alpha-PVP	alpha-PVP-d8	6.308	14521455	2948230	4.9255	244.4205
Mirtazapine	alpha-PVP-d8	6.604	11100565	2948230	3.7652	249.1292
Norbuprenorphine	Norbuprenorphine-D3	6.954	9629	15907	0.6053	30.6326
Fentanyl	Fentanyl-D5	7.057	147210	352691	0.4174	23.4962
Mitragynine	EDDP-D3	7.156	1295688	511375	2.5337	112.1300
EDDP	EDDP-D3	7.169	3232707	511375	6.3216	270.8174
Quetiapine	Quetiapine-D8	7.399	26528064	956644	27.7304	263.7324
Cyclobenzaprine	Cyclobenzaprine-D3	7.453	1021225	117768	8.6715	313.2500
Methadone	Methadone-D9	7.481	10715284	1374483	7.7959	279.8619
Fluoxetine	Fluoxetine-D6	7.521	1725360	275834	6.2551	258.0415
Oxazepam	Oxazepam-D5	7.549	1257572	219946	5.7176	261.1813

TS P
Did not evaluate

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

TS δ
BQC 250 (QC3)

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Sertraline	Sertraline-D3	7.603	697611	107417	6.4944	272.5498
Temazepam	Temazepam-D5	7.604	14923396	2497486	5.9754	268.5959
Buprenorphine	Buprenorphine-D4	7.637	216373	179214	1.2073	24.5863
Nordiazepam	Nordiazepam-D5	7.675	4653415	394883	11.7843	268.4192
Diazepam	Diazepam-D5	7.732	11151929	1501486	7.4273	270.7531

TS P

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

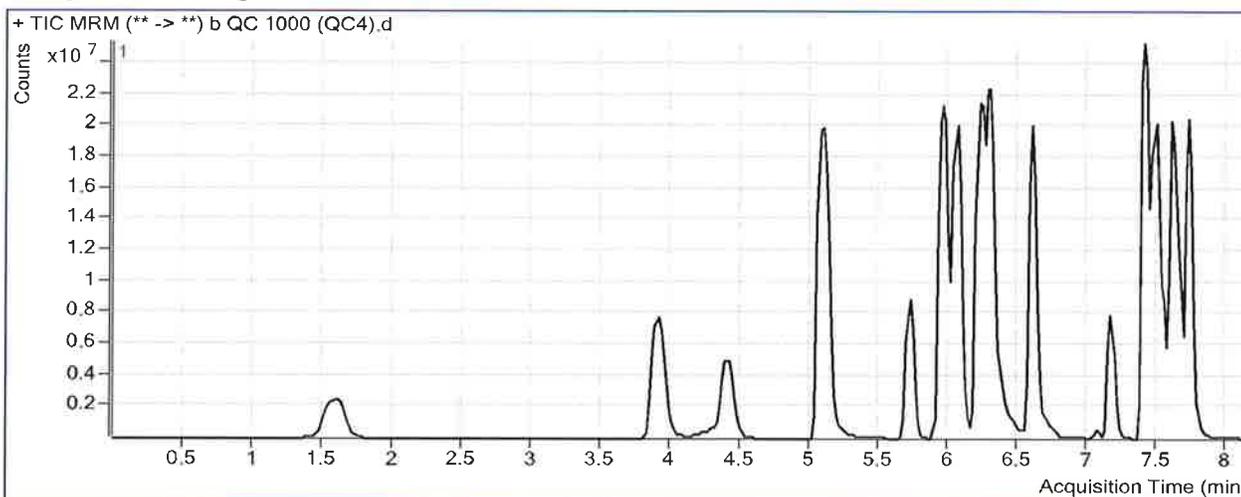
b QC 1000 (QC4)

Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1b.batch.bin
Analysis Time 8/9/2018 10:21 AM **Analyst Name** ISPUser
Report Time 8/9/2018 10:45 AM **Reporter Name** ISPUser
Last Calib Update 8/9/2018 10:21 AM **Batch State** Processed

Analysis Info

Acq Time 2018-08-07 17:27 **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-D2 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.608	20428381	643143	31.7633	948.5934
Dihydrocodeine	Dihydrocodeine-D6	3.910	20495313	1020564	20.0823	968.0639
Noroxycodone	Noroxycodone-D3	4.411	25982798	719744	36.1001	1010.9897
* Oxycodone	Oxycodone-D6	5.100	109218530	8955508	12.1957	578.9429
* Oxycodone	Oxycodone-D8	5.711	11320289	79841	141.7848	7912.7607
* Oxycodone	Oxycodone-D4	5.942	82259511	4407193	18.6648	757.1191
Norfentanyl	Norfentanyl-D5	6.004	11185710	4505569	2.4826	109.0690
Cocaine	Cocaine-d3	6.212	31839515	3693292	8.6209	989.0487
alpha-PVP	alpha-PVP-d8	6.308	52182980	2889533	18.0593	892.5497
Mirtazapine	alpha-PVP-d8	6.604	48197427	2889533	16.6800	1093.9161
Norbuprenorphine	Norbuprenorphine-D3	6.974	28683	12260	2.3395	126.7079
Fentanyl	Fentanyl-D5	7.057	888696	441137	2.0146	109.7850
* Oxycodone	EDDP-D3	7.156	4789299	565505	8.4691	367.1237
* Oxycodone	EDDP-D3	7.169	13727085	565505	24.2740	1034.4484
* Oxycodone	Quetiapine-D8	7.399	62516021	1163436	53.7340	510.3167
Cyclobenzaprine	Cyclobenzaprine-D3	7.453	5265034	190535	27.6328	993.2304
Methadone	Methadone-D9	7.481	41418204	1498397	27.6417	992.7253
Fluoxetine	Fluoxetine-D6	7.521	7335380	278927	26.2985	1078.6883
Oxazepam	Oxazepam-D5	7.549	6472031	266104	24.3214	1109.1217

TS P
Did not evaluate

*outside curve range P TS

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

b QC 1000 (QC4)

TS P

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Sertraline	Sertraline-D3	7.603	2824429	121468	23.2525	969.2687
Temazepam	Temazepam-D5	7.604	46180332	2298217	20.0940	901.8867
* Buprenorphine	Buprenorphine-D4	7.637	562199	85572	6.5699	132.5373
Nordiazepam	Nordiazepam-D5	7.675	14043628	313561	44.7876	1014.5909
Diazepam	Diazepam-D5	7.732	31987405	1164773	27.4624	997.6175

* outside curve range P TS

ISP Forensics Calibration Curve Report

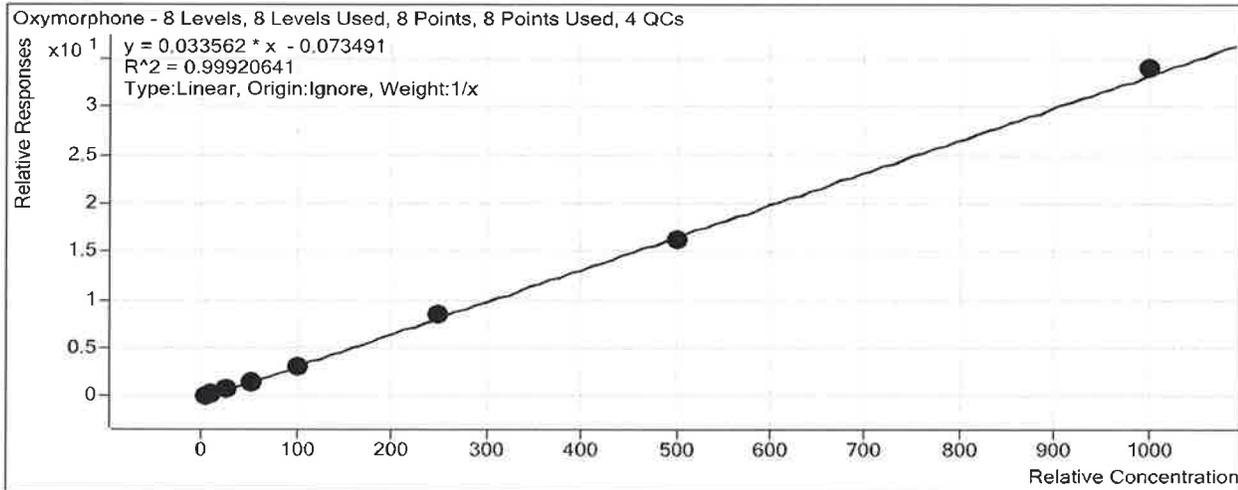
TS
D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1b.batch.bin

Last Calib Update 8/9/2018 10:21 AM

Analyst Name ISP TOX

Target Compound Oxymorphone
Internal Standard Oxymorphone-D3



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.8	116.7
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	96.4
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	96.4
b QC 10 (QC1) reinject	2	<input checked="" type="checkbox"/>	10	10.0	99.8
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.3	93.0
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.3	96.7
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	95.7	95.7
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	96.1	96.1
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	257.7	103.1
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	255.3	102.1
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	485.0	97.0
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1014.5	101.4
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	948.6	94.9

ISP Forensics Calibration Curve Report

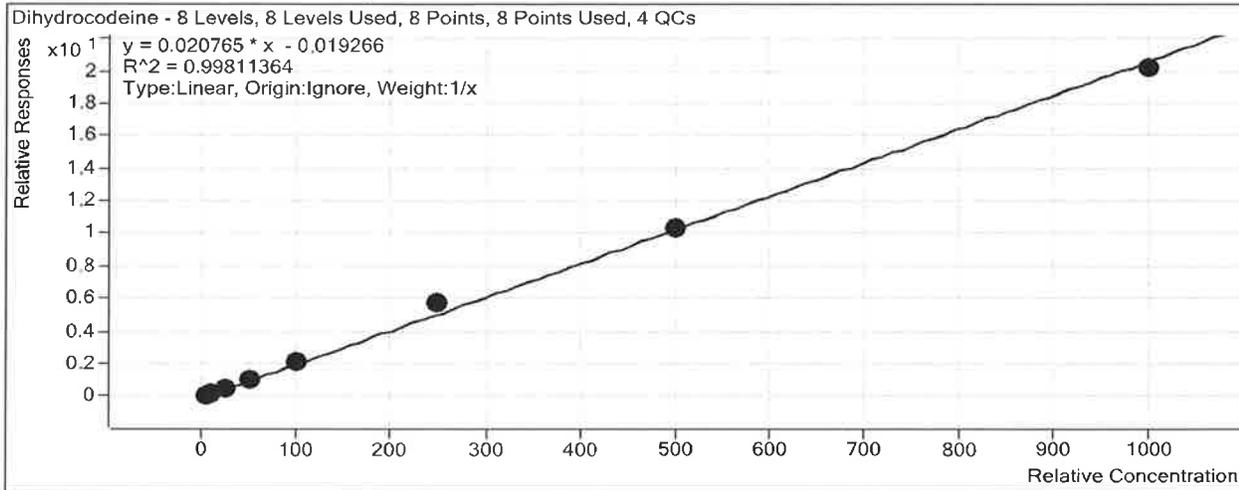
TS
D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1b.batch.bin

Last Calib Update 8/9/2018 10:21 AM

Analyst Name ISP TOX

Target Compound Dihydrocodeine
Internal Standard Dihydrocodeine-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.0
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.2	91.9
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.2	91.9
b QC 10 (QC1) reinject	2	<input checked="" type="checkbox"/>	10	9.8	98.2
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.7	94.7
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.6	101.3
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.7	102.7
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	114.0	114.0
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	274.4	109.8
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	293.1	117.2
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	501.4	100.3
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	972.9	97.3
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	968.1	96.8

ISP Forensics Calibration Curve Report

TS
P

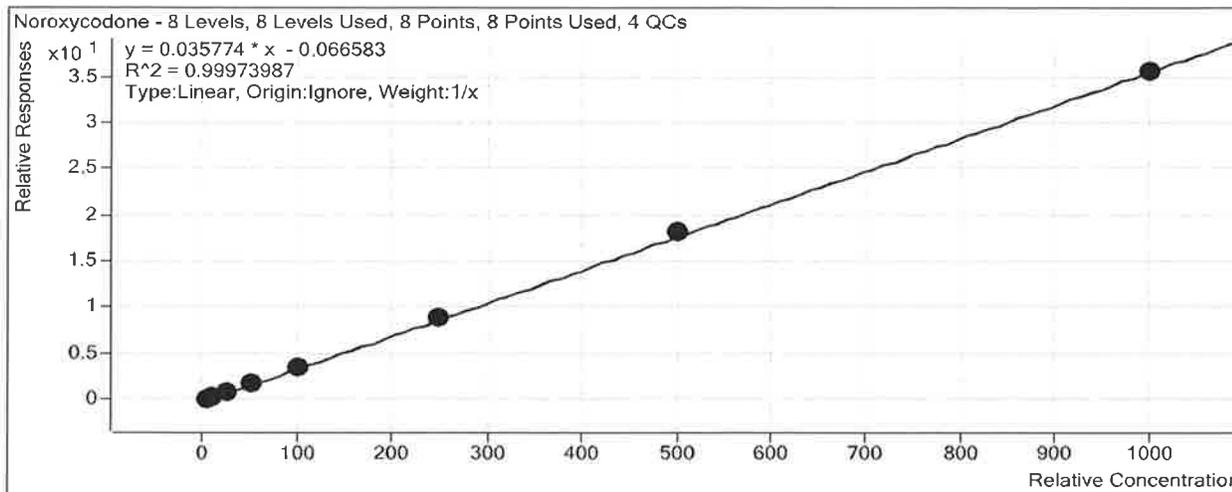
Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1b.batch.bin

Last Calib Update 8/9/2018 10:21 AM

Analyst Name ISP TOX

Target Compound *Noroxycodone*

Internal Standard *Noroxycodone-D3*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.6	112.1
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	97.0
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	97.0
b QC 10 (QC1) reinject	2	<input checked="" type="checkbox"/>	10	10.1	101.4
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.3	93.2
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.4	98.8
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.2	97.2
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	101.3	101.3
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	251.6	100.6
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	263.5	105.4
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	508.3	101.7
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	994.9	99.5
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1011.0	101.1

ISP Forensics Calibration Curve Report

TS
P

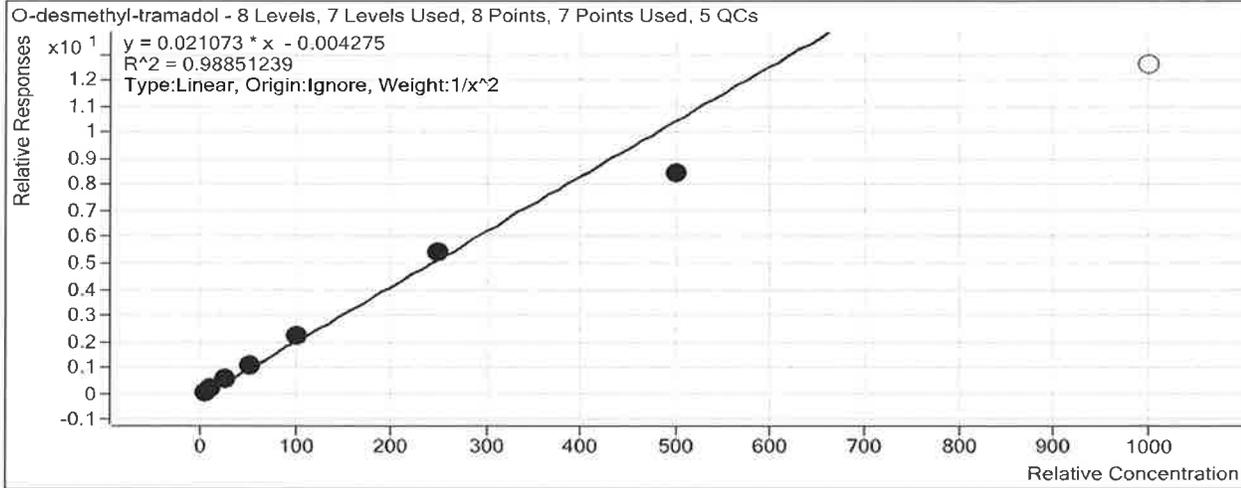
Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1b.batch.bin

Last Calib Update 8/9/2018 10:21 AM

Analyst Name ISP TOX

Target Compound *O-desmethyl-tramadol*

Internal Standard *O-desmethyl-tramadol-D6*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.9	98.1
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	100.3
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	13.8	137.8
b QC 10 (QC1) reinject	2	<input checked="" type="checkbox"/>	10	10.7	107.3
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.0	104.1
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	53.4	106.9
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	106.4	106.4
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	115.9	115.9
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	258.9	103.6
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	275.4	110.2
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	403.0	80.6
b cal 8-1000ng	8	<input type="checkbox"/>	1000	597.1	59.7
b QC 1000 (QC4)	8	<input type="checkbox"/>	1000	578.9	57.9

ISP Forensics Calibration Curve Report

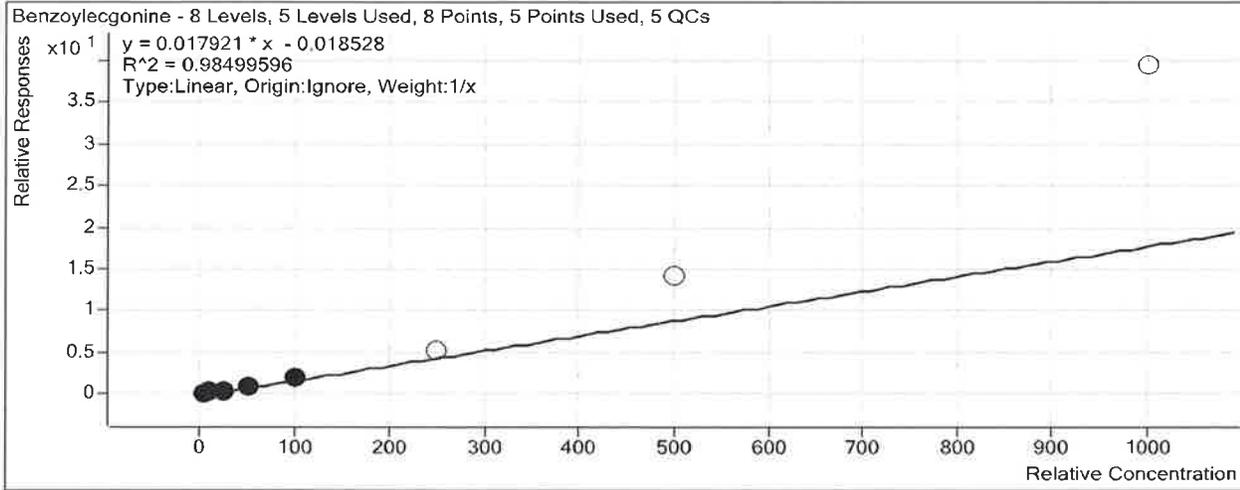
TS *P*

Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1b.batch.bin

Last Calib Update 8/9/2018 10:21 AM

Analyst Name ISP TOX

Target Compound *Benzoyllecgonine*
Internal Standard *Benzoyllecgonine-d8*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	6.1	121.8
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.5	95.5
b QC 10 (QC1)	2	<input type="checkbox"/>	10	36.3	362.8
b QC 10 (QC1) reinject	2	<input type="checkbox"/>	10	38.1	381.3
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	20.8	83.1
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.0	92.1
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	107.6	107.6
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	423.3	423.3
b cal 6-250ng	6	<input type="checkbox"/>	250	295.4	118.2
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	1306.0	522.4
b cal 7-500ng	7	<input type="checkbox"/>	500	786.1	157.2
b cal 8-1000ng	8	<input type="checkbox"/>	1000	2198.1	219.8
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	7912.8	791.3

Did not evaluate. *P* TS

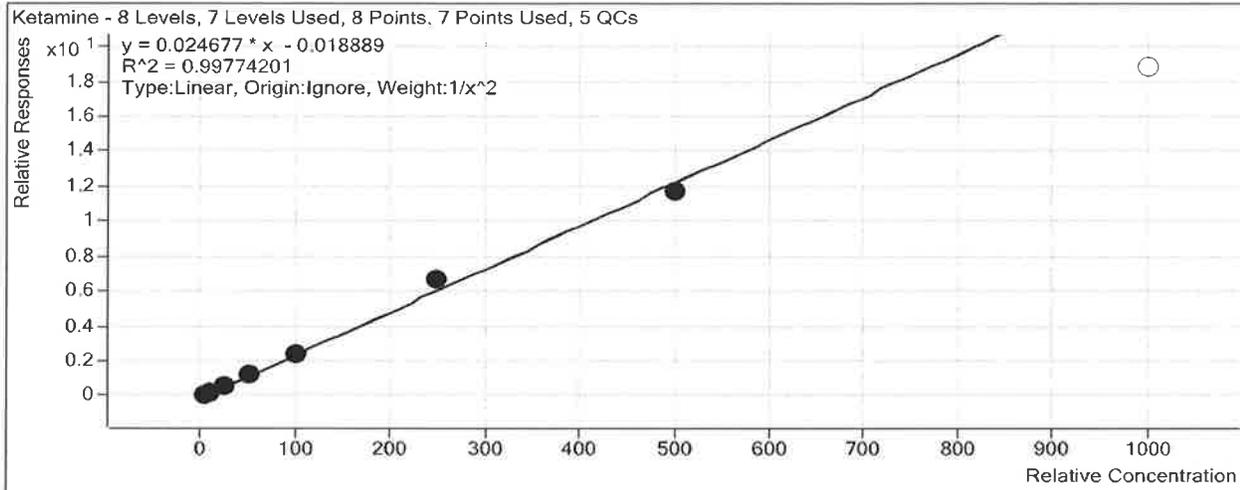
ISP Forensics Calibration Curve Report

TS
D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1b.batch.bin

Last Calib Update 8/9/2018 10:21 AM **Analyst Name** ISP TOX

Target Compound Ketamine
Internal Standard Ketamine-D4



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	101.9
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	96.4
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.8	97.5
b QC 10 (QC1) reinject	2	<input checked="" type="checkbox"/>	10	10.0	99.7
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.8	99.0
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.9	99.8
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.7	99.7
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	112.1	112.1
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	269.1	107.7
b cal 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	286.0	114.4
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	477.4	95.5
b cal 8-1000ng	8	<input type="checkbox"/>	1000	762.2	76.2
b QC 1000 (QC4)	8	<input type="checkbox"/>	1000	757.1	75.7

ISP Forensics Calibration Curve Report

TS
P

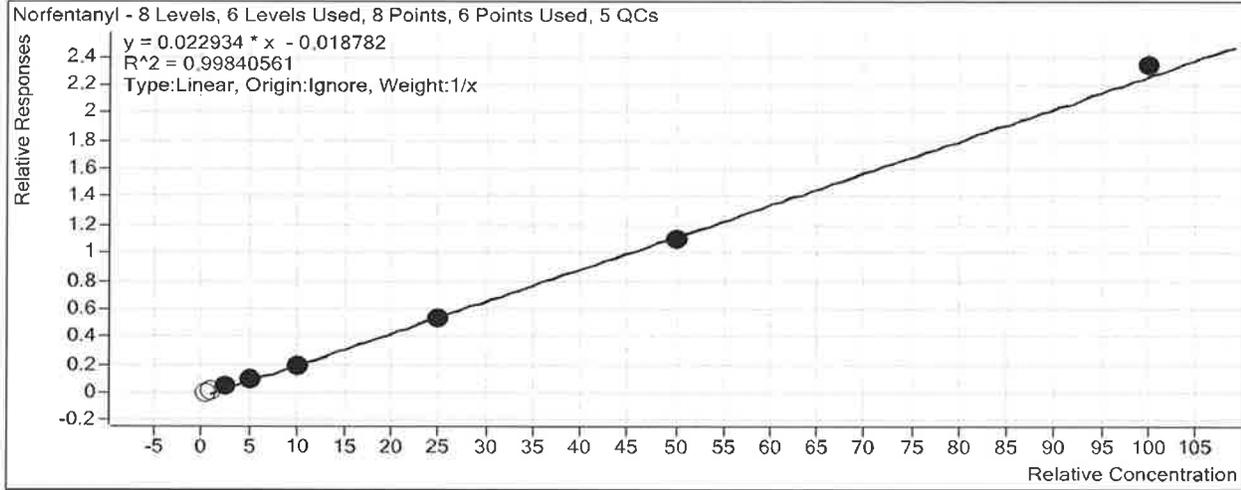
Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1b.batch.bin

Last Calib Update 8/9/2018 10:21 AM

Analyst Name ISP TOX

Target Compound *Norfentanyl*

Internal Standard *Norfentanyl-D5*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input type="checkbox"/>	0.5	1.1	222.9
b cal 2-10ng	2	<input type="checkbox"/>	1	1.4	144.4
b QC 10 (QC1)	2	<input type="checkbox"/>	1	1.5	153.5
b QC 10 (QC1) reinject	2	<input type="checkbox"/>	1	1.5	149.6
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.8	111.4
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	5.0	99.7
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.3	92.8
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	10	9.9	98.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	24.0	95.8
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	25	26.5	105.9
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	48.7	97.5
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	102.7	102.7
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	100	109.1	109.1

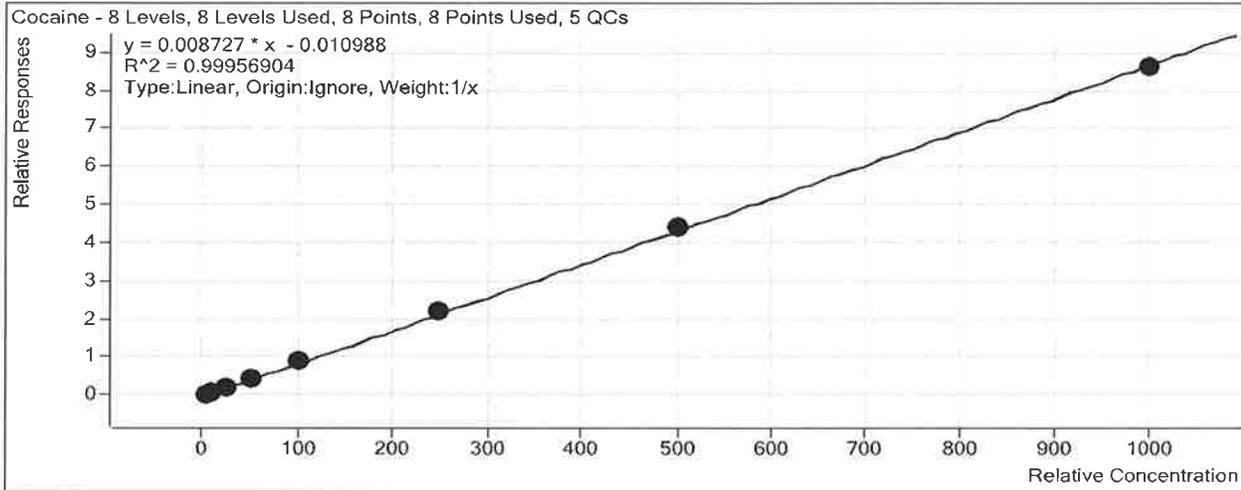
ISP Forensics Calibration Curve Report

TS
P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1b.batch.bin

Last Calib Update 8/9/2018 10:21 AM **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	5.2	103.7
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	97.2
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	8.9	89.0
b QC 10 (QC1) reinject	2	<input checked="" type="checkbox"/>	10	9.3	93.3
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.5	89.8
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.3	104.6
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.0	103.0
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	104.2	104.2
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	254.8	101.9
b cal 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	260.5	104.2
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	505.0	101.0
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	987.6	98.8
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	989.0	98.9

ISP Forensics Calibration Curve Report

TS
D

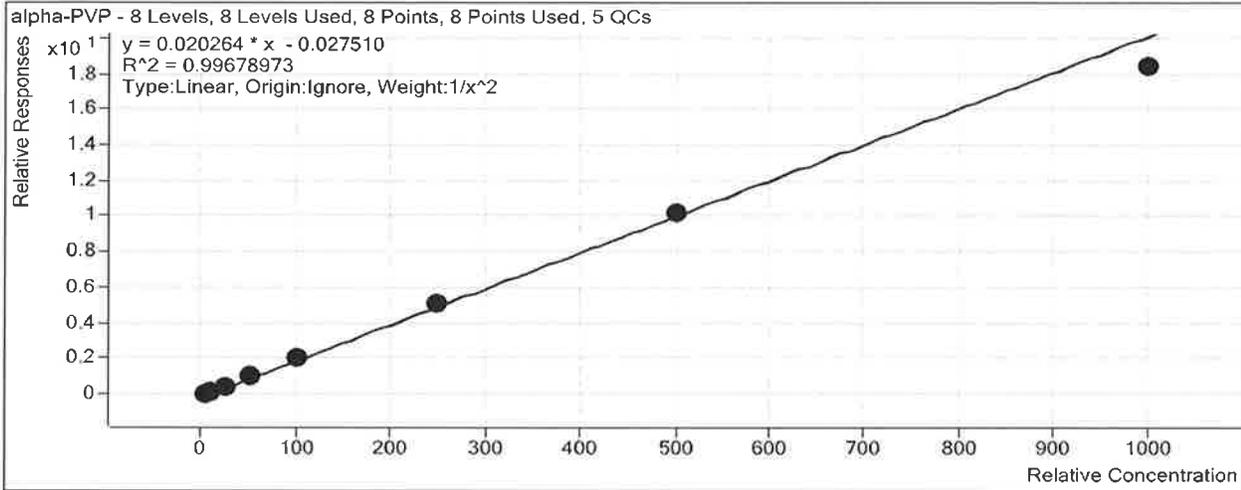
Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1b.batch.bin

Last Calib Update 8/9/2018 10:21 AM

Analyst Name ISP TOX

Target Compound *alpha-PVP*

Internal Standard *alpha-PVP-d8*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	101.2
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	96.8
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.8	97.9
b QC 10 (QC1) reinject	2	<input checked="" type="checkbox"/>	10	9.9	98.6
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.3	97.3
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	53.6	107.1
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.5	103.5
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	96.8	96.8
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	255.4	102.2
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	244.4	97.8
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	505.0	101.0
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	909.3	90.9
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	892.5	89.3

ISP Forensics Calibration Curve Report

TS
D

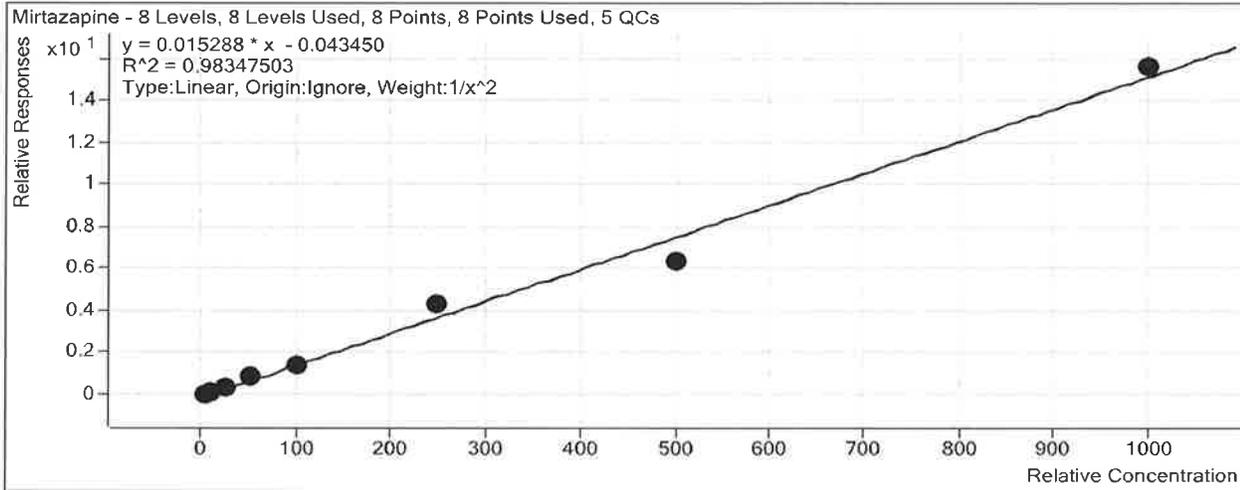
Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1b.batch.bin

Last Calib Update 8/9/2018 10:21 AM

Analyst Name ISP TOX

Target Compound *Mirtazapine*

Internal Standard *alpha-PVP-d8*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	104.5
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.0	90.1
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	6.9	69.2
b QC 10 (QC1) reinject	2	<input checked="" type="checkbox"/>	10	7.0	69.9
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.7	94.7
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	58.3	116.6
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	95.3	95.3
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	86.1	86.1
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	282.2	112.9
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	249.1	99.7
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	418.2	83.6
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1023.5	102.4
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1093.9	109.4

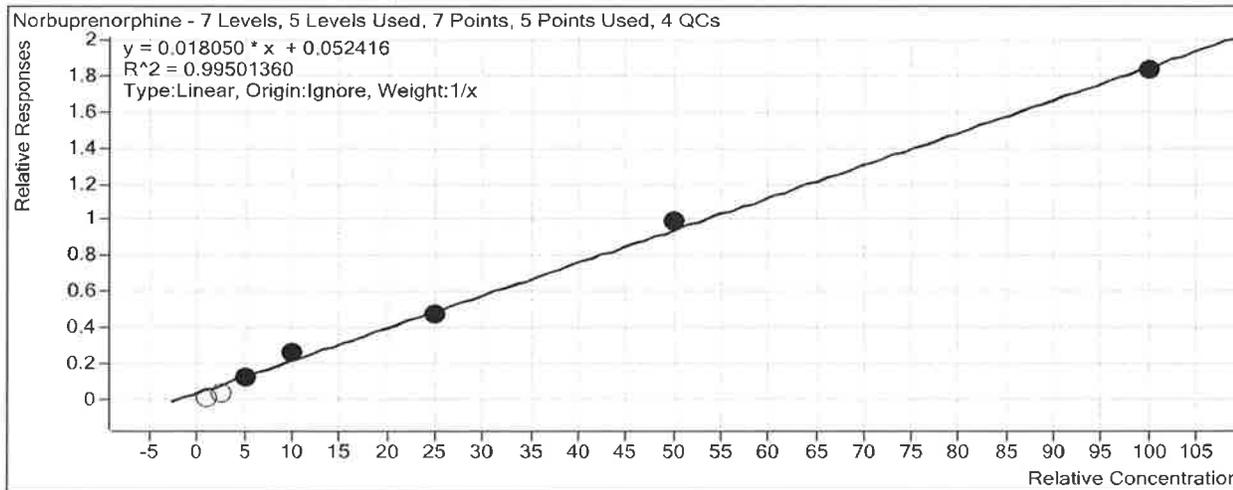
ISP Forensics Calibration Curve Report

TS
P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1b.batch.bin

Last Calib Update 8/9/2018 10:21 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input type="checkbox"/>	0.5	0.0	0.0
b cal 2-10ng	2	<input type="checkbox"/>	1	0.0	0.0
b cal 2-10ng	2	<input type="checkbox"/>	1	0.0	0.0
b QC 10 (QC1) reinject	2	<input checked="" type="checkbox"/>	1	0.0	0.0
b cal 3-25ng	3	<input type="checkbox"/>	2.5	0.0	0.0
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.3	86.2
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	11.8	117.5
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	10	9.5	94.9
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	23.4	93.7
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	25	30.6	122.5
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	52.1	104.2
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	98.4	98.4
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	100	126.7	126.7

ISP Forensics Calibration Curve Report

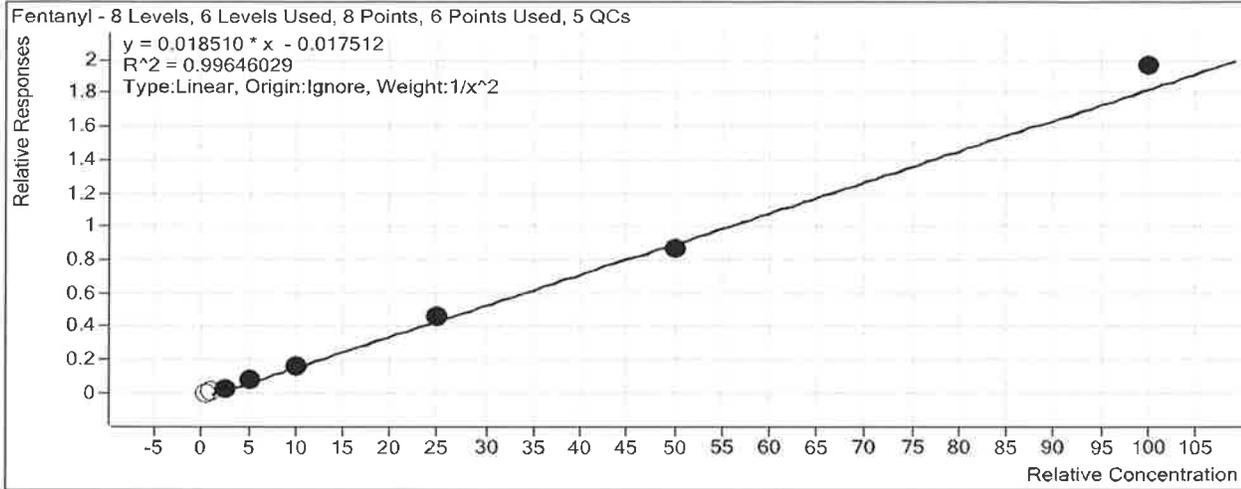
TS
D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1b.batch.bin

Last Calib Update 8/9/2018 10:21 AM

Analyst Name ISP TOX

Target Compound Fentanyl
Internal Standard Fentanyl-D5



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input type="checkbox"/>	0.5	1.2	246.3
b cal 2-10ng	2	<input type="checkbox"/>	1	1.4	144.2
b QC 10 (QC1)	2	<input type="checkbox"/>	1	1.6	163.1
b QC 10 (QC1) reinject	2	<input type="checkbox"/>	1	1.5	149.3
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.5	101.6
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	5.0	99.2
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.4	94.1
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	10	11.3	112.9
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	25.7	102.7
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	25	23.5	94.0
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	47.7	95.4
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	106.9	106.9
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	100	109.8	109.8

ISP Forensics Calibration Curve Report

TS
P

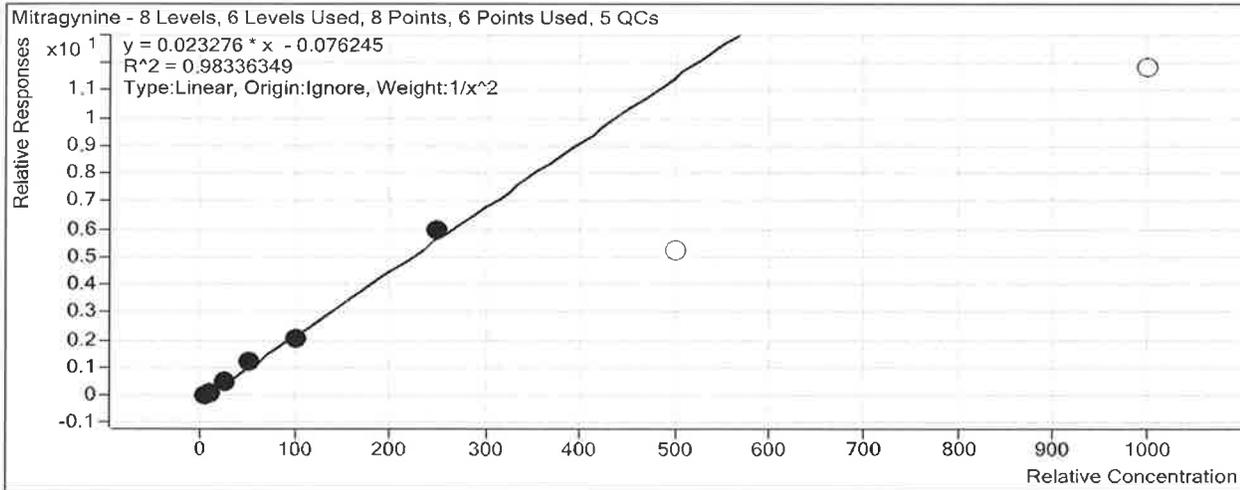
Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1b.batch.bin

Last Calib Update 8/9/2018 10:21 AM

Analyst Name ISP TOX

Target Compound *Mitragynine*

Internal Standard *EDDP-D3*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.4	107.6
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	8.2	82.4
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	6.8	68.2
b QC 10 (QC1) reinject	2	<input checked="" type="checkbox"/>	10	6.5	65.1
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.4	101.4
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	55.7	111.4
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	93.2	93.2
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	35.9	35.9
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	259.7	103.9
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	112.1	44.9
b cal 7-500ng	7	<input type="checkbox"/>	500	228.2	45.6
b cal 8-1000ng	8	<input type="checkbox"/>	1000	511.2	51.1
b QC 1000 (QC4)	8	<input type="checkbox"/>	1000	367.1	36.7

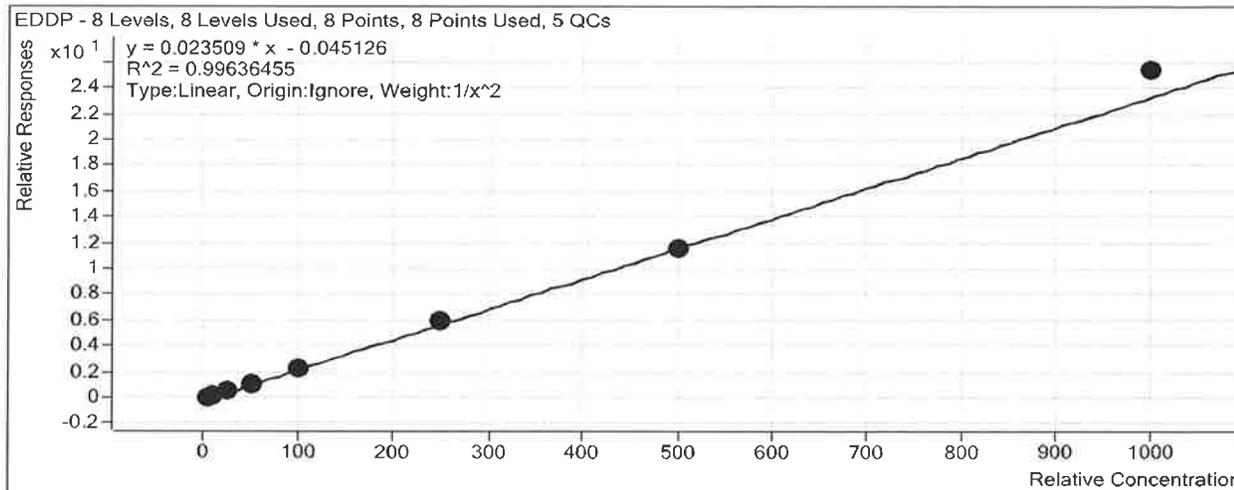
ISP Forensics Calibration Curve Report

TS
P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1b.batch.bin

Last Calib Update 8/9/2018 10:21 AM **Analyst Name** ISP TOX

Target Compound EDDP
Internal Standard EDDP-D3



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	99.5
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.5	105.2
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.0	100.0
b QC 10 (QC1) reinject	2	<input checked="" type="checkbox"/>	10	9.1	91.3
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.0	92.0
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.4	94.8
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.0	99.0
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	99.6	99.6
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	255.7	102.3
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	270.8	108.3
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	495.2	99.0
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1081.7	108.2
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1034.4	103.4

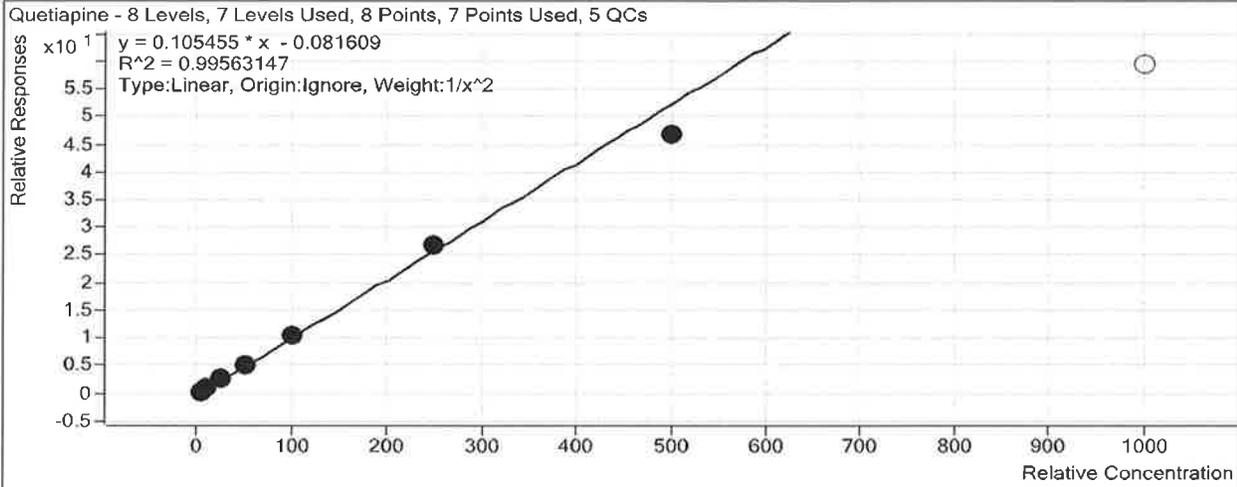
ISP Forensics Calibration Curve Report

TS
P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1b.batch.bin

Last Calib Update 8/9/2018 10:21 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.9	97.4
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.2	101.9
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	11.2	112.0
b QC 10 (QC1) reinject	2	<input checked="" type="checkbox"/>	10	10.7	106.7
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.8	107.2
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.6	103.2
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.2	99.2
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	117.1	117.1
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	254.3	101.7
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	263.7	105.5
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	447.0	89.4
b cal 8-1000ng	8	<input type="checkbox"/>	1000	563.8	56.4
b QC 1000 (QC4)	8	<input type="checkbox"/>	1000	510.3	51.0

ISP Forensics Calibration Curve Report

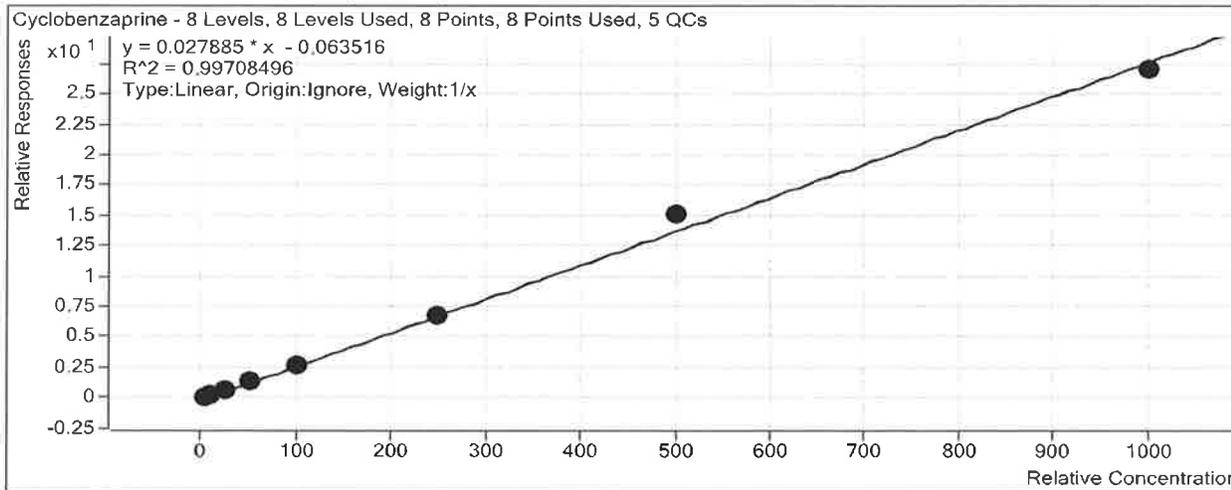
TS
D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1b.batch.bin

Last Calib Update 8/9/2018 10:21 AM

Analyst Name ISP TOX

Target Compound Cyclobenzaprine
Internal Standard Cyclobenzaprine-D3



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.9	117.8
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.4	93.9
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	12.2	121.6
b QC 10 (QC1) reinject	2	<input checked="" type="checkbox"/>	10	11.3	112.7
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.6	94.5
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.0	94.1
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	96.8	96.8
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	98.6	98.6
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	243.0	97.2
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	313.2	125.3
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	542.6	108.5
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	971.7	97.2
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	993.2	99.3

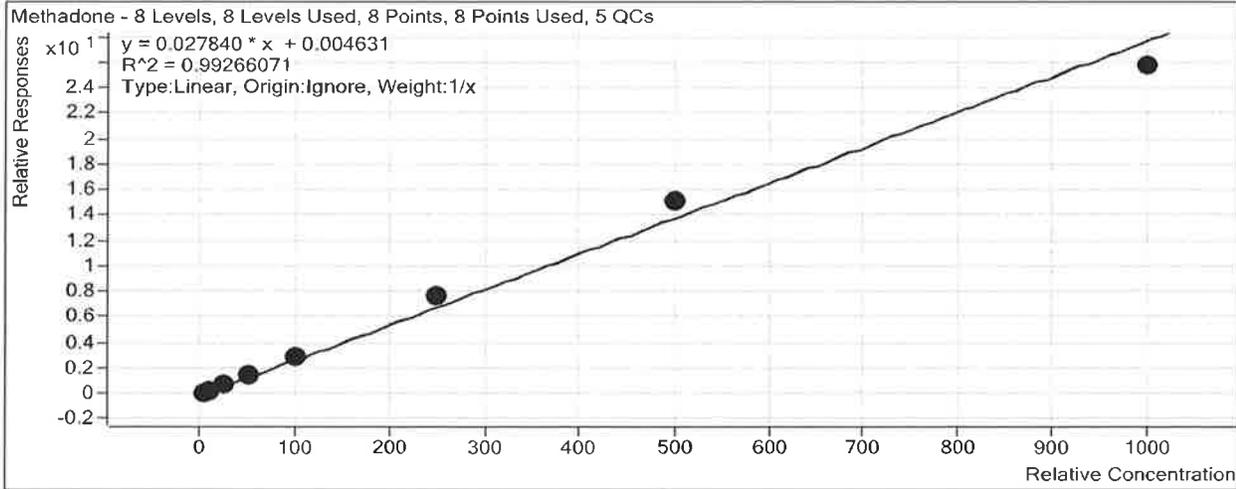
ISP Forensics Calibration Curve Report

TS *TS*

Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1b.batch.bin

Last Calib Update 8/9/2018 10:21 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	3.9	78.9
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	97.1
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	12.6	125.5
b QC 10 (QC1) reinject	2	<input checked="" type="checkbox"/>	10	9.0	89.8
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.0	99.9
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	53.8	107.5
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	104.8	104.8
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	111.2	111.2
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	277.8	111.1
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	279.9	111.9
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	541.3	108.3
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	923.6	92.4
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	992.7	99.3

ISP Forensics Calibration Curve Report

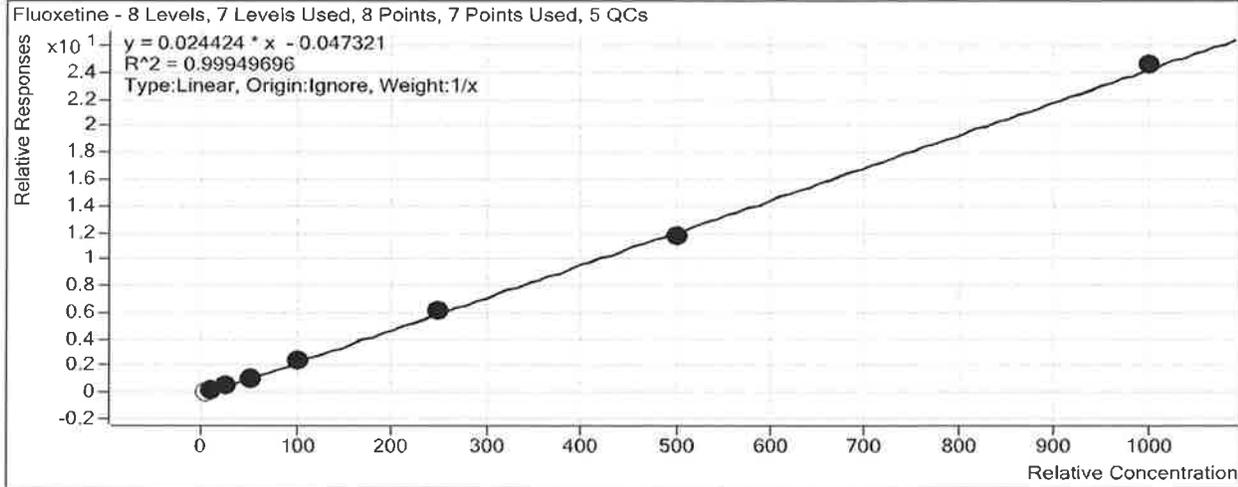
TS
P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1b.batch.bin

Last Calib Update 8/9/2018 10:21 AM

Analyst Name ISP TOX

Target Compound Fluoxetine
Internal Standard Fluoxetine-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input type="checkbox"/>	5	5.9	118.4
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.3	102.5
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	11.2	111.7
b QC 10 (QC1) reinject	2	<input checked="" type="checkbox"/>	10	10.9	109.2
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.0	100.1
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.7	95.4
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.5	101.5
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	120.7	120.7
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	256.5	102.6
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	258.0	103.2
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	485.0	97.0
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1008.9	100.9
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1078.7	107.9

ISP Forensics Calibration Curve Report

TS
D

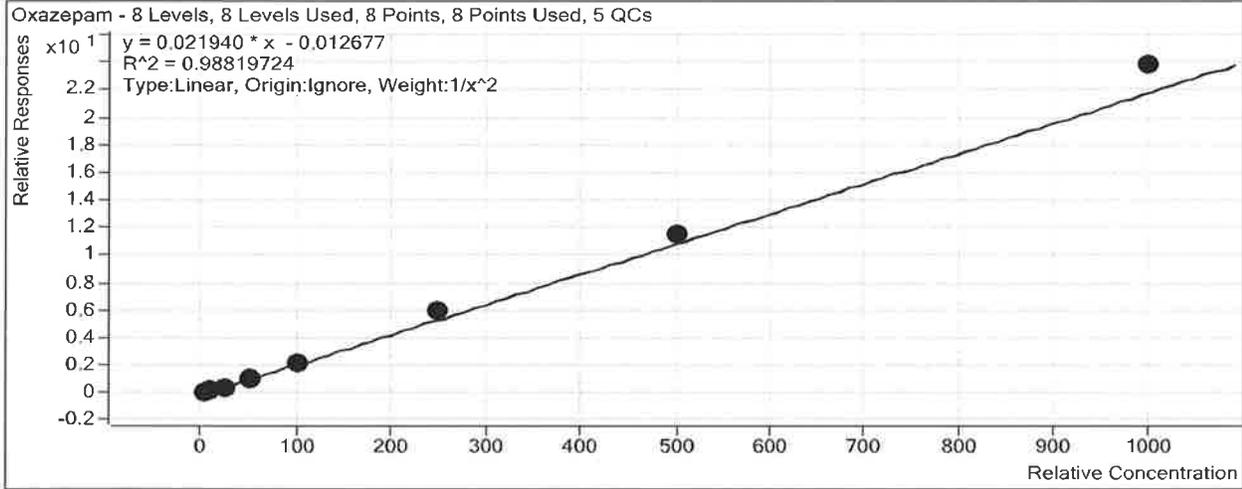
Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1b.batch.bin

Last Calib Update 8/9/2018 10:21 AM

Analyst Name ISP TOX

Target Compound Oxazepam

Internal Standard Oxazepam-D5



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.4	107.1
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.3	93.1
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	8.7	87.3
b QC 10 (QC1) reinject	2	<input checked="" type="checkbox"/>	10	8.8	87.5
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	20.4	81.5
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.6	99.3
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	96.5	96.5
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	95.3	95.3
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	271.3	108.5
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	261.2	104.5
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	527.1	105.4
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1086.0	108.6
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1109.1	110.9

ISP Forensics Calibration Curve Report

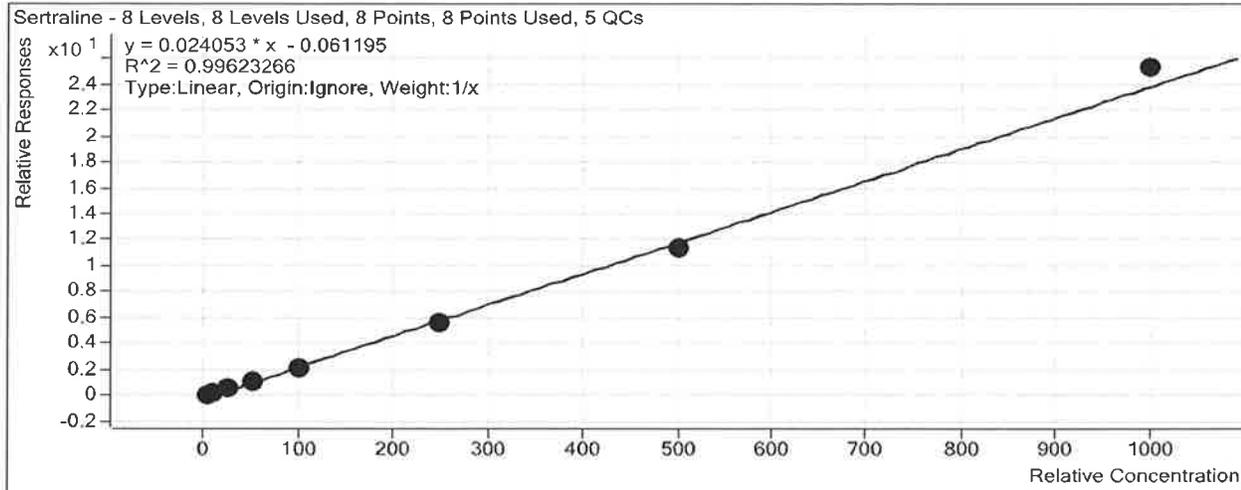
TS
P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1b.batch.bin

Last Calib Update 8/9/2018 10:21 AM

Analyst Name ISP TOX

Target Compound Sertraline
Internal Standard Sertraline-D3



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	6.1	121.4
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	100.6
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	11.5	114.7
b QC 10 (QC1) reinject	2	<input checked="" type="checkbox"/>	10	11.6	116.2
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.9	95.8
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.7	97.5
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	91.9	91.9
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	103.6	103.6
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	232.3	92.9
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	272.5	109.0
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	472.5	94.5
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1054.5	105.4
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	969.3	96.9

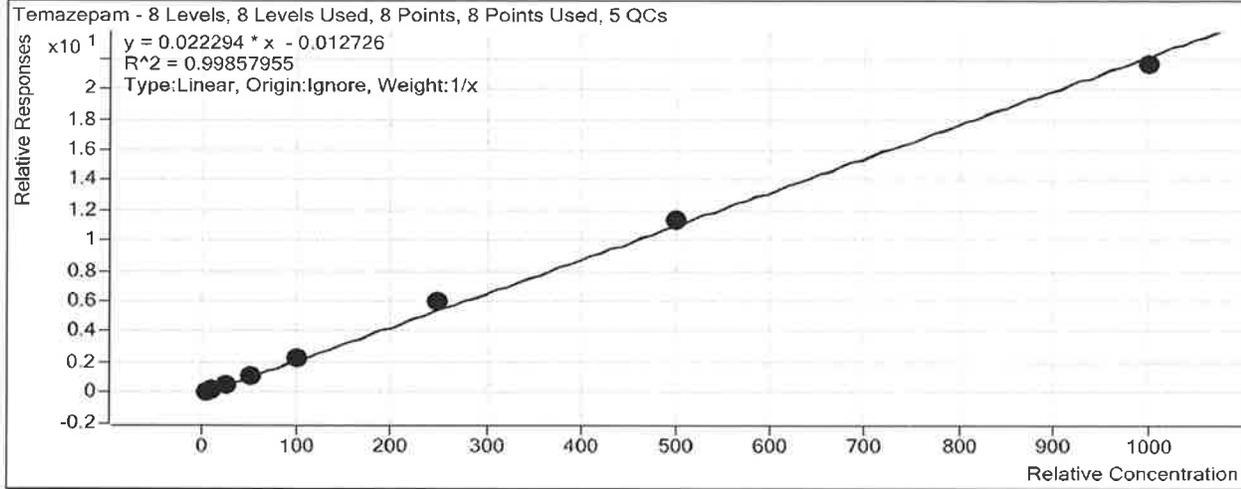
ISP Forensics Calibration Curve Report

TS
P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1b.batch.bin

Last Calib Update 8/9/2018 10:21 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.8	96.3
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.5	95.2
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.9	99.2
b QC 10 (QC1) reinject	2	<input checked="" type="checkbox"/>	10	9.7	97.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.6	98.2
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.7	103.3
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.7	100.7
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	105.7	105.7
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	267.3	106.9
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	268.6	107.4
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	511.9	102.4
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	969.5	96.9
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	901.9	90.2

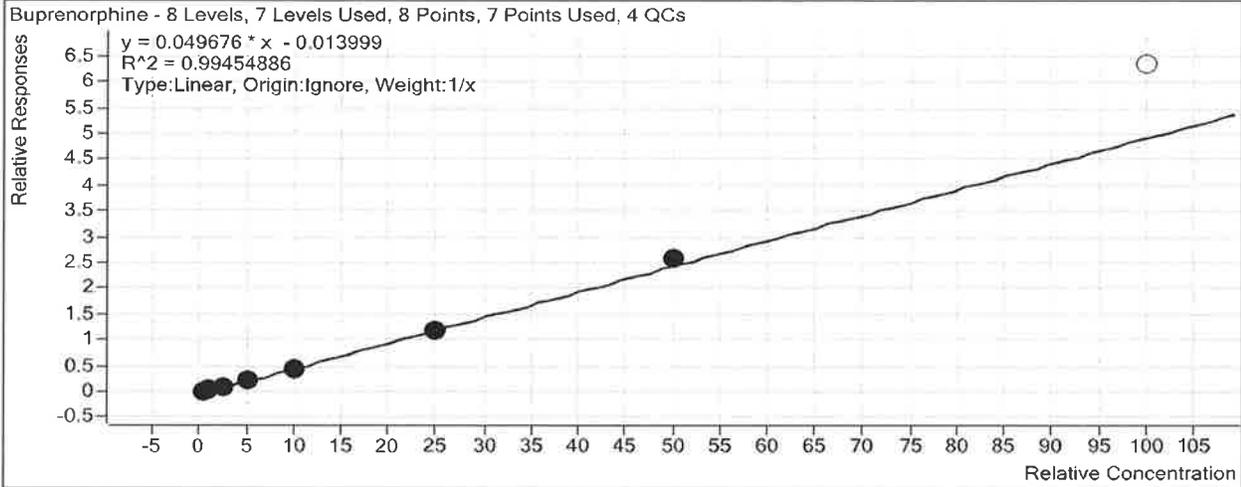
ISP Forensics Calibration Curve Report

TS
D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1b.batch.bin

Last Calib Update 8/9/2018 10:21 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	0.5	0.6	128.9
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.1	108.3
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.1	108.3
b QC 10 (QC1) reinject	2	<input checked="" type="checkbox"/>	1	1.1	112.8
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.1	84.2
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.3	86.5
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	8.9	89.4
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	10	8.3	83.2
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	24.5	97.9
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	25	24.6	98.3
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	52.4	104.9
b cal 8-1000ng	8	<input type="checkbox"/>	100	128.0	128.0
b QC 1000 (QC4)	8	<input type="checkbox"/>	100	132.5	132.5

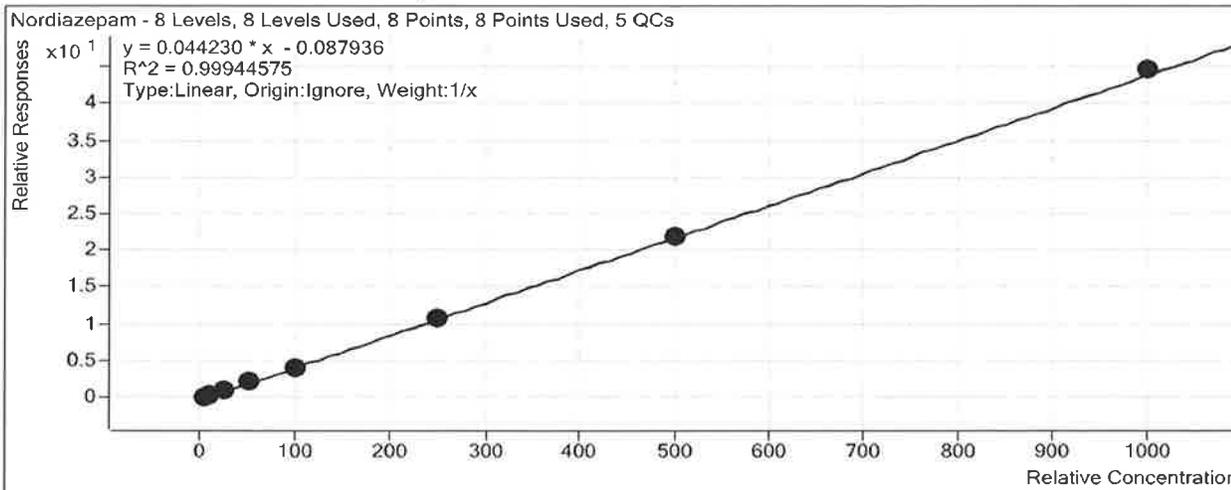
ISP Forensics Calibration Curve Report

TS P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1b.batch.bin

Last Calib Update 8/9/2018 10:21 AM **Analyst Name** ISP TOX

Target Compound Nordiazepam
Internal Standard Nordiazepam-D5



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.9	118.4
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	96.7
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.7	107.1
b QC 10 (QC1) reinject	2	<input checked="" type="checkbox"/>	10	10.1	101.1
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	21.5	86.0
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.3	102.6
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	96.6	96.6
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	110.6	110.6
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	248.7	99.5
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	268.4	107.4
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	495.6	99.1
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1010.7	101.1
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1014.6	101.5

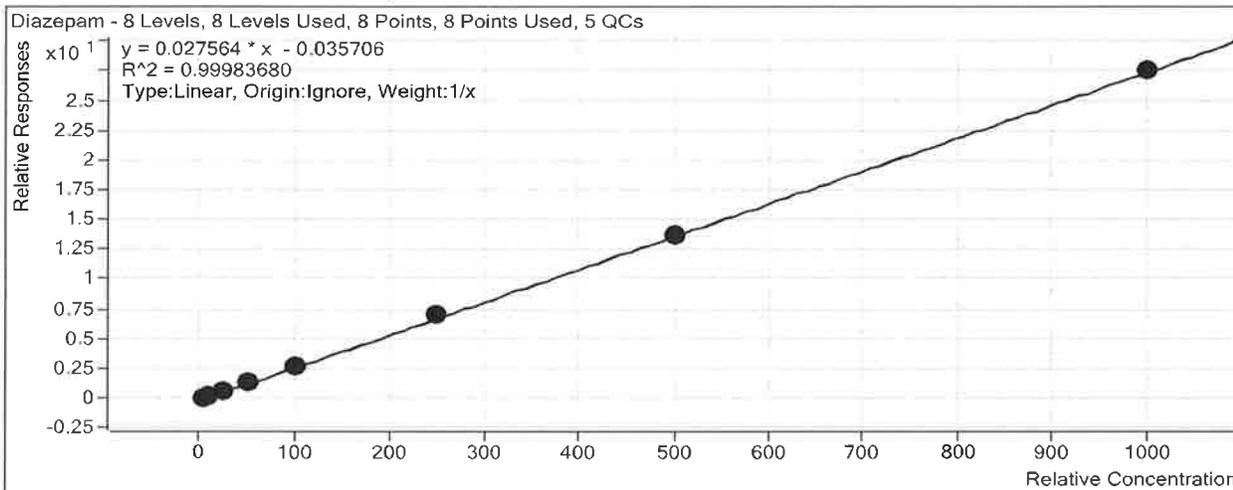
ISP Forensics Calibration Curve Report

TS
P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1b.batch.bin

Last Calib Update 8/9/2018 10:21 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	104.0
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	97.7
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.2	102.0
b QC 10 (QC1) reinject	2	<input checked="" type="checkbox"/>	10	10.6	105.8
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.9	95.5
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.1	102.1
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.1	99.1
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	103.6	103.6
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	256.3	102.5
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	270.8	108.3
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	496.1	99.2
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	998.6	99.9
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	997.6	99.8

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

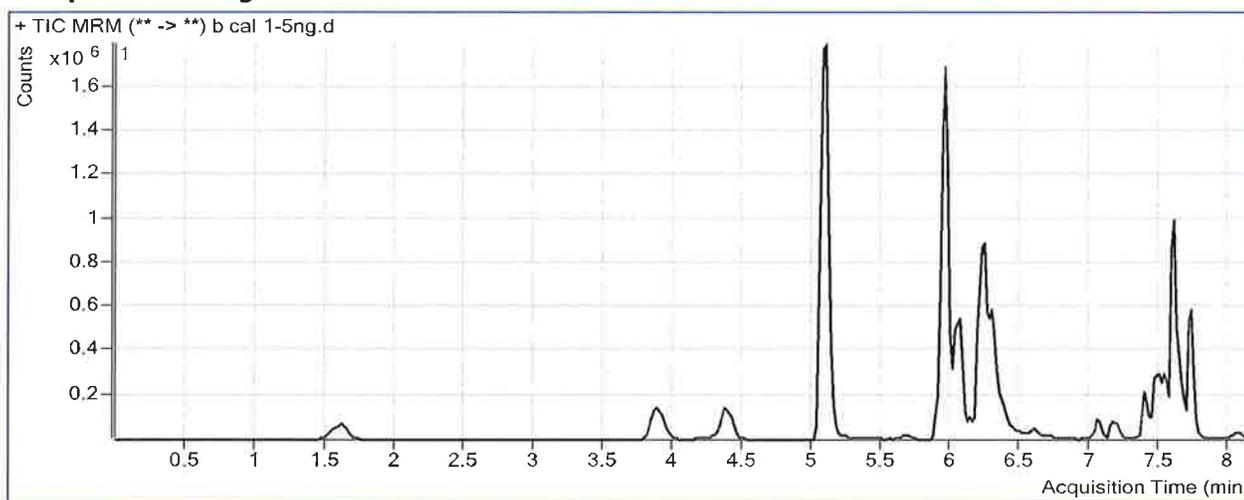
TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1b.batch.bin
Analysis Time 8/9/2018 10:21 AM **Analyst Name** ISPUser
Report Time 8/9/2018 10:43 AM **Reporter Name** ISPUser
Last Calib Update 8/9/2018 10:21 AM **Batch State** Processed

Analysis Info

Acq Time 2018-08-06 12:37 **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-A1 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.608	62758	513295	0.1223	5.8326
Dihydrocodeine	Dihydrocodeine-D6	3.930	67221	775700	0.0867	5.1012
Noroxycodone	Noroxycodone-D3	4.411	100860	753054	0.1339	5.6052
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.100	767127	7738528	0.0991	4.9071
Benzoylcegonine	Benzoylcegonine-d8	5.711	5808	64072	0.0906	6.0919
Ketamine	Ketamine-D4	5.962	356035	3330972	0.1069	5.0968
Norfentanyl	Norfentanyl-D5	5.984	23834	3515703	0.0068	1.1145
Cocaine	Cocaine-d3	6.212	123129	3594329	0.0343	5.1842
alpha-PVP	alpha-PVP-d8	6.328	162085	2159096	0.0751	5.0622
Mirtazapine	alpha-PVP-d8	6.604	78656	2159096	0.0364	5.2251
Fentanyl	Fentanyl-D5	7.078	1607	303874	0.0053	1.2317
Mitragynine	EDDP-D3	7.136	13167	268621	0.0490	5.3815
EDDP	EDDP-D3	7.169	19287	268621	0.0718	4.9737
Quetiapine	Quetiapine-D8	7.399	200408	463845	0.4321	4.8709
Cyclobenzaprine	Cyclobenzaprine-D3	7.453	15216	151039	0.1007	5.8905
Methadone	Methadone-D9	7.481	92063	804818	0.1144	3.9426
Fluoxetine	Fluoxetine-D6	7.521	50680	521051	0.0973	5.9198
Oxazepam	Oxazepam-D5	7.549	21060	200897	0.1048	5.3559
Sertraline	Sertraline-D3	7.583	19009	224060	0.0848	6.0713

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

TS D

b cal 1

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Temazepam	Temazepam-D5	7.604	227737	2407776	0.0946	4.8134
Buprenorphine	Buprenorphine-D4	7.637	2351	130498	0.0180	0.6445
Nordiazepam	Nordiazepam-D5	7.675	65804	378182	0.1740	5.9221
Diazepam	Diazepam-D5	7.732	150488	1397423	0.1077	5.2023

TS
D

ISP FORENSICS - Pocatello Instrument # 59740

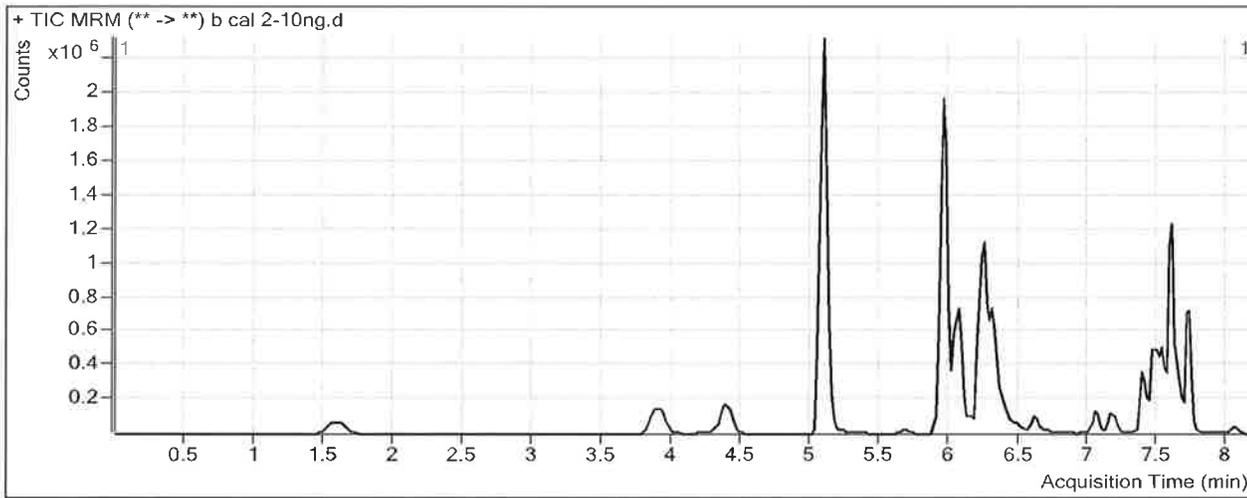
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1b.batch.bin
Analysis Time 8/9/2018 10:21 AM **Analyst Name** ISPUser
Report Time 8/9/2018 10:43 AM **Reporter Name** ISPUser
Last Calib Update 8/9/2018 10:21 AM **Batch State** Processed

Analysis Info

Acq Time 2018-08-06 13:09 **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-B1 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.628	139029	556234	0.2499	9.6370
Dihydrocodeine	Dihydrocodeine-D6	3.930	142555	830778	0.1716	9.1915
Noroxycodone	Noroxycodone-D3	4.411	228781	816211	0.2803	9.6965
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.100	1720010	8305115	0.2071	10.0308
Benzoylcegonine	Benzoylcegonine-d8	5.731	10065	65967	0.1526	9.5480
Ketamine	Ketamine-D4	5.962	807288	3687402	0.2189	9.6372
Norfentanyl	Norfentanyl-D5	5.984	56179	3918220	0.0143	1.4441
Cocaine	Cocaine-d3	6.232	298111	4036463	0.0739	9.7213
alpha-PVP	alpha-PVP-d8	6.328	376756	2233306	0.1687	9.6825
Mirtazapine	alpha-PVP-d8	6.604	210467	2233306	0.0942	9.0066
Norbuprenorphine	Norbuprenorphine-D3	6.934	289	15079	0.0191	0.0000
Fentanyl	Fentanyl-D5	7.057	4287	467458	0.0092	1.4415
Mitragynine	EDDP-D3	7.136	36808	318531	0.1156	8.2401
EDDP	EDDP-D3	7.189	64430	318531	0.2023	10.5234
Quetiapine	Quetiapine-D8	7.399	524586	528453	0.9927	10.1872
Cyclobenzaprine	Cyclobenzaprine-D3	7.453	49648	250176	0.1985	9.3946
Methadone	Methadone-D9	7.481	303729	1104249	0.2751	9.7137
Fluoxetine	Fluoxetine-D6	7.521	177793	875506	0.2031	10.2520
Oxazepam	Oxazepam-D5	7.549	41452	216264	0.1917	9.3140

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

TS P

bcq1 z

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Sertraline	Sertraline-D3	7.583	60821	336446	0.1808	10.0599
Temazepam	Temazepam-D5	7.604	501594	2514474	0.1995	9.5186
Buprenorphine	Buprenorphine-D4	7.617	7429	186780	0.0398	1.0825
Nordiazepam	Nordiazepam-D5	7.675	133788	393779	0.3398	9.6697
Diazepam	Diazepam-D5	7.732	333293	1427589	0.2335	9.7654

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

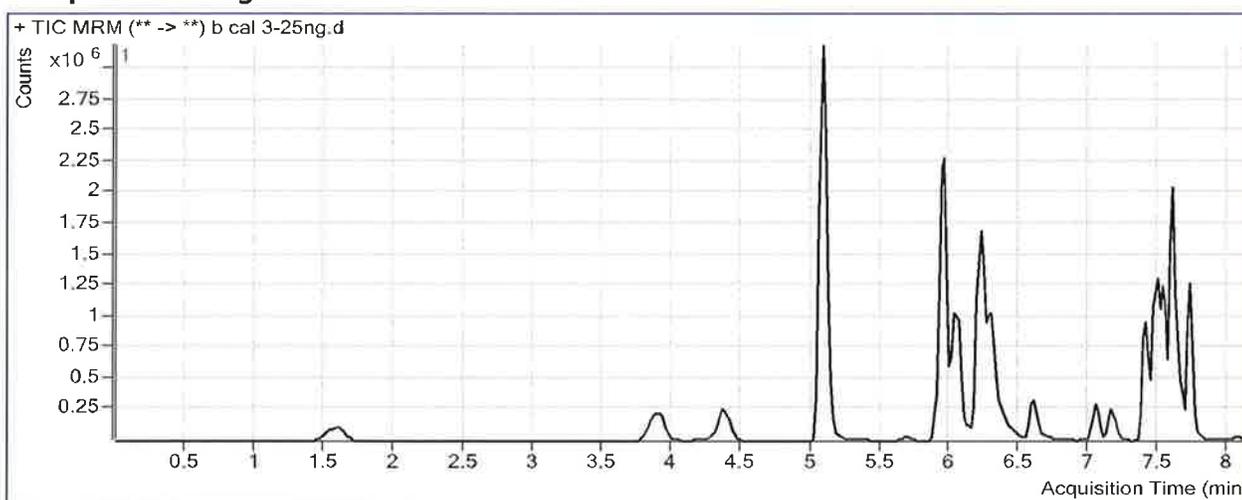
TS
P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1b.batch.bin
Analysis Time 8/9/2018 10:21 AM **Analyst Name** ISPUser
Report Time 8/9/2018 10:43 AM **Reporter Name** ISPUser
Last Calib Update 8/9/2018 10:21 AM **Batch State** Processed

Analysis Info

Acq Time 2018-08-06 13:40 **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-C1 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.608	384917	544432	0.7070	23.2553
Dihydrocodeine	Dihydrocodeine-D6	3.910	389778	825141	0.4724	23.6768
Noroxycodone	Noroxycodone-D3	4.391	638057	832245	0.7667	23.2925
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.072	4727682	8689436	0.5441	26.0215
Benzoyllecgonine	Benzoyllecgonine-d8	5.690	26567	75136	0.3536	20.7646
Ketamine	Ketamine-D4	5.942	2140671	3615788	0.5920	24.7564
Norfentanyl	Norfentanyl-D5	5.984	176788	3922446	0.0451	2.7841
Cocaine	Cocaine-d3	6.212	788577	4262072	0.1850	22.4590
alpha-PVP	alpha-PVP-d8	6.308	1137309	2444843	0.4652	24.3136
Mirtazapine	alpha-PVP-d8	6.604	778223	2444843	0.3183	23.6636
Norbuprenorphine	Norbuprenorphine-D3	6.994	754	18192	0.0415	0.0000
Fentanyl	Fentanyl-D5	7.057	30322	1027237	0.0295	2.5409
Mitragynine	EDDP-D3	7.136	184406	358720	0.5141	25.3609
EDDP	EDDP-D3	7.169	177838	358720	0.4958	23.0072
Quetiapine	Quetiapine-D8	7.399	1903581	693779	2.7438	26.7924
Cyclobenzaprine	Cyclobenzaprine-D3	7.453	328346	551397	0.5955	23.6326
Methadone	Methadone-D9	7.481	1337292	1910691	0.6999	24.9741
Fluoxetine	Fluoxetine-D6	7.521	1031268	1829431	0.5637	25.0177
Oxazepam	Oxazepam-D5	7.549	104618	240966	0.4342	20.3665

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

TS
B
b cal 3

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Sertraline	Sertraline-D3	7.583	389425	756761	0.5146	23.9385
Temazepam	Temazepam-D5	7.604	1430957	2676207	0.5347	24.5546
Buprenorphine	Buprenorphine-D4	7.637	26349	290815	0.0906	2.1057
Nordiazepam	Nordiazepam-D5	7.675	328451	380688	0.8628	21.4948
Diazepam	Diazepam-D5	7.732	909953	1462844	0.6220	23.8629

TS B

ISP FORENSICS - Pocatello Instrument # 59740

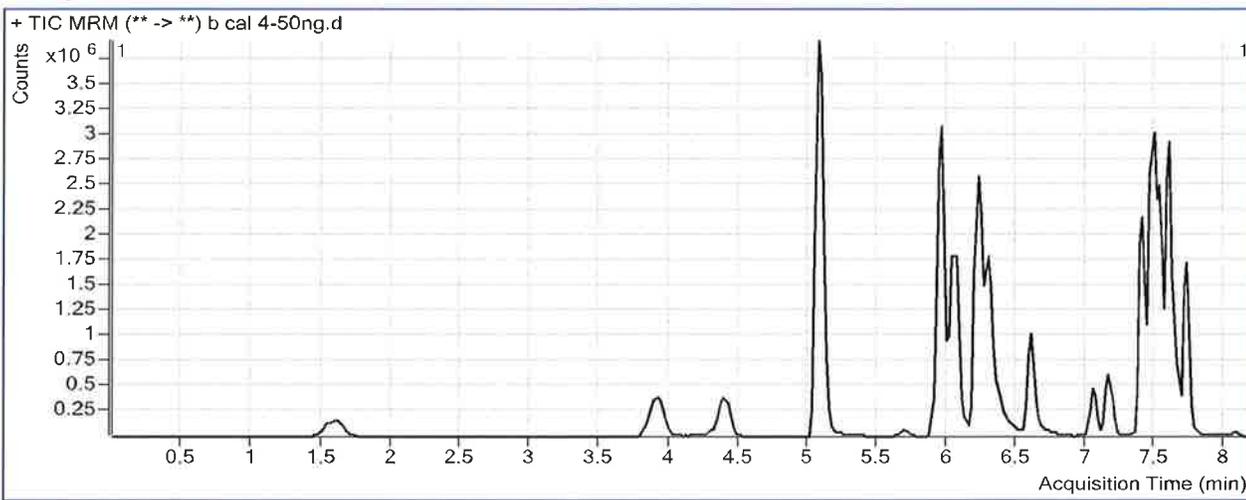
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1b.batch.bin
Analysis Time 8/9/2018 10:21 AM **Analyst Name** ISPUser
Report Time 8/9/2018 10:43 AM **Reporter Name** ISPUser
Last Calib Update 8/9/2018 10:21 AM **Batch State** Processed

Analysis Info

Acq Time 2018-08-06 14:11 **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-D1 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.588	791902	511278	1.5489	48.3389
Dihydrocodeine	Dihydrocodeine-D6	3.930	824535	798771	1.0323	50.6397
Noroxycodone	Noroxycodone-D3	4.411	1391270	818006	1.7008	49.4050
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.100	9185031	8186441	1.1220	53.4459
Benzoylcegonine	Benzoylcegonine-d8	5.711	50075	62103	0.8063	46.0270
Ketamine	Ketamine-D4	5.942	4598292	3793316	1.2122	49.8877
Norfentanyl	Norfentanyl-D5	5.984	412769	4319568	0.0956	4.9855
Cocaine	Cocaine-d3	6.212	1885324	4230903	0.4456	52.3171
alpha-PVP	alpha-PVP-d8	6.308	2935821	2775398	1.0578	53.5580
Mirtazapine	alpha-PVP-d8	6.604	2353919	2775398	0.8481	58.3206
Norbuprenorphine	Norbuprenorphine-D3	6.954	4198	32238	0.1302	4.3100
Fentanyl	Fentanyl-D5	7.057	108500	1459567	0.0743	4.9622
Mitragynine	EDDP-D3	7.156	623713	511034	1.2205	55.7105
EDDP	EDDP-D3	7.169	546269	511034	1.0689	47.3886
Quetiapine	Quetiapine-D8	7.399	4694434	875496	5.3620	51.6204
Cyclobenzaprine	Cyclobenzaprine-D3	7.453	978894	784499	1.2478	47.0255
Methadone	Methadone-D9	7.481	4287060	2855353	1.5014	53.7645
Fluoxetine	Fluoxetine-D6	7.521	2766196	2475874	1.1173	47.6819
Oxazepam	Oxazepam-D5	7.549	241268	224159	1.0763	49.6355

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

TS
D

bcq14

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Sertraline	Sertraline-D3	7.583	1096775	987327	1.1109	48.7280
Temazepam	Temazepam-D5	7.604	2672338	2346141	1.1390	51.6623
Buprenorphine	Buprenorphine-D4	7.637	80424	400639	0.2007	4.3228
Nordiazepam	Nordiazepam-D5	7.675	720918	330502	2.1813	51.3047
Diazepam	Diazepam-D5	7.732	1711834	1247948	1.3717	51.0607

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

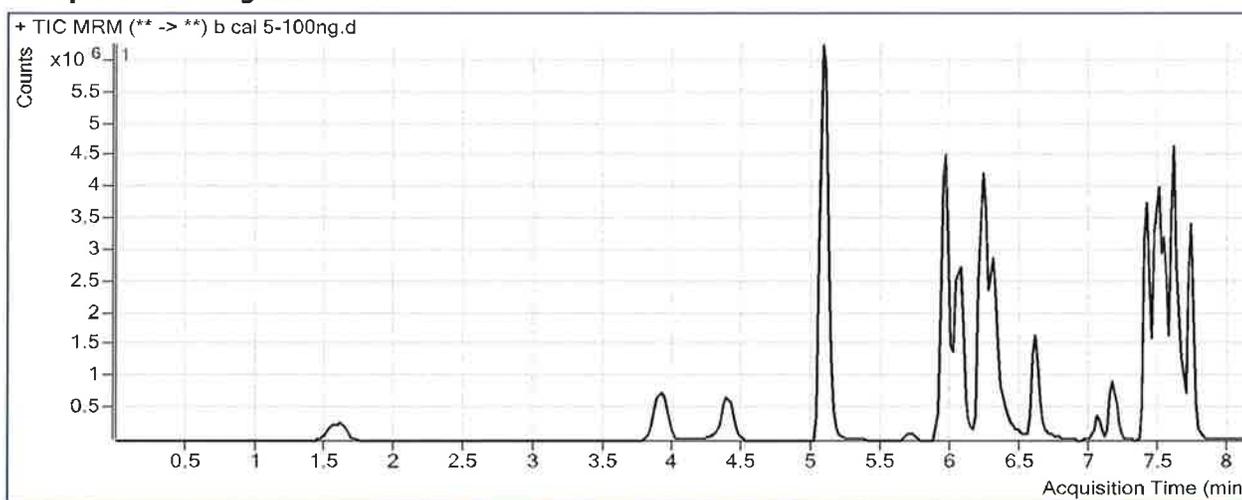
TS
D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1b.batch.bin
Analysis Time 8/9/2018 10:21 AM **Analyst Name** ISPUser
Report Time 8/9/2018 10:43 AM **Reporter Name** ISPUser
Last Calib Update 8/9/2018 10:21 AM **Batch State** Processed

Analysis Info

Acq Time 2018-08-06 14:43 **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-E1 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.608	1765110	562153	3.1399	95.7448
Dihydrocodeine	Dihydrocodeine-D6	3.910	1822745	862101	2.1143	102.7498
Noroxycodone	Noroxycodone-D3	4.391	2822296	827883	3.4091	97.1567
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.100	19128640	8545822	2.2384	106.4232
Benzoylcegonine	Benzoylcegonine-d8	5.711	126177	66089	1.9092	107.5685
Ketamine	Ketamine-D4	5.942	9606274	3932706	2.4427	99.7493
Norfentanyl	Norfentanyl-D5	5.984	826288	4256032	0.1941	9.2842
Cocaine	Cocaine-d3	6.212	3837598	4323329	0.8876	102.9665
alpha-PVP	alpha-PVP-d8	6.308	5653877	2732183	2.0694	103.4766
Mirtazapine	alpha-PVP-d8	6.604	3860397	2732183	1.4129	95.2652
Norbuprenorphine	Norbuprenorphine-D3	6.974	6357	24033	0.2645	11.7502
Fentanyl	Fentanyl-D5	7.057	172038	1097826	0.1567	9.4124
Mitragynine	EDDP-D3	7.136	977932	466983	2.0941	93.2444
EDDP	EDDP-D3	7.169	1065650	466983	2.2820	98.9870
Quetiapine	Quetiapine-D8	7.399	8349750	804633	10.3771	99.1766
Cyclobenzaprine	Cyclobenzaprine-D3	7.453	1579563	599377	2.6353	96.7848
Methadone	Methadone-D9	7.481	6607706	2260432	2.9232	104.8355
Fluoxetine	Fluoxetine-D6	7.521	4671642	1920527	2.4325	101.5314
Oxazepam	Oxazepam-D5	7.549	485720	230840	2.1041	96.4825

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

TS
bc15
A

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Sertraline	Sertraline-D3	7.583	1787573	831849	2.1489	91.8856
Temazepam	Temazepam-D5	7.604	5654648	2532175	2.2331	100.7374
Buprenorphine	Buprenorphine-D4	7.637	134603	312845	0.4303	8.9430
Nordiazepam	Nordiazepam-D5	7.675	1581219	377801	4.1853	96.6141
Diazepam	Diazepam-D5	7.732	3710320	1375984	2.6965	99.1227

TS
B

ISP FORENSICS - Pocatello Instrument # 59740

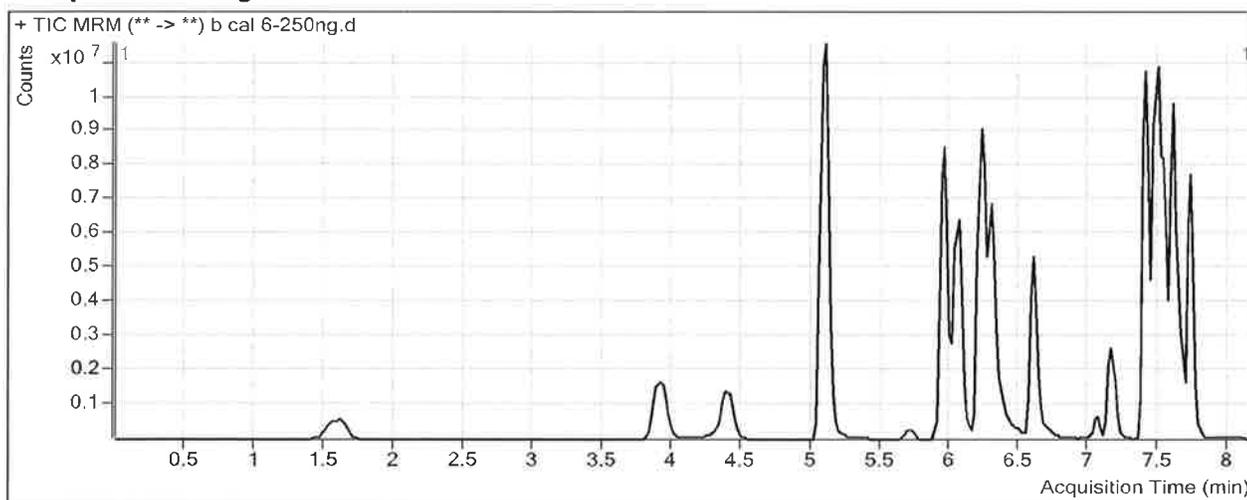
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1b.batch.bin
Analysis Time 8/9/2018 10:21 AM **Analyst Name** ISPUser
Report Time 8/9/2018 10:43 AM **Reporter Name** ISPUser
Last Calib Update 8/9/2018 10:21 AM **Batch State** Processed

Analysis Info

Acq Time 2018-08-06 15:14 **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-F1 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.608	4240061	494419	8.5759	257.7111
Dihydrocodeine	Dihydrocodeine-D6	3.910	4487487	790218	5.6788	274.4104
Noroxycodone	Noroxycodone-D3	4.391	6609108	739767	8.9340	251.6002
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.100	44029986	8077034	5.4513	258.8896
Benzoylcegonine	Benzoylcegonine-d8	5.711	337046	63890	5.2755	295.4091
Ketamine	Ketamine-D4	5.962	24289534	3667482	6.6229	269.1466
Norfentanyl	Norfentanyl-D5	5.984	2192657	4131084	0.5308	23.9620
Cocaine	Cocaine-d3	6.212	9203561	4159735	2.2125	254.7730
alpha-PVP	alpha-PVP-d8	6.308	14607283	2837705	5.1476	255.3801
Mirtazapine	alpha-PVP-d8	6.604	12119068	2837705	4.2707	282.1994
Norbuprenorphine	Norbuprenorphine-D3	6.974	12910	27169	0.4752	23.4220
Fentanyl	Fentanyl-D5	7.057	599918	1310725	0.4577	25.6738
Mitragynine	EDDP-D3	7.136	3184032	533560	5.9675	259.6524
EDDP	EDDP-D3	7.169	3183262	533560	5.9661	255.6948
Quetiapine	Quetiapine-D8	7.399	25254978	944576	26.7368	254.3111
Cyclobenzaprine	Cyclobenzaprine-D3	7.453	4909711	731507	6.7118	242.9718
Methadone	Methadone-D9	7.481	20889230	2699359	7.7386	277.8046
Fluoxetine	Fluoxetine-D6	7.521	14105002	2268414	6.2180	256.5235
Oxazepam	Oxazepam-D5	7.549	1163602	195930	5.9389	271.2653

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

TS
B

bcq16

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Sertraline	Sertraline-D3	7.583	5337351	965732	5.5267	232.3191
Temazepam	Temazepam-D5	7.604	13050183	2194282	5.9474	267.3397
Buprenorphine	Buprenorphine-D4	7.637	460511	383274	1.2015	24.4691
Nordiazepam	Nordiazepam-D5	7.675	3941447	361265	10.9101	248.6555
Diazepam	Diazepam-D5	7.732	9367580	1332570	7.0297	256.3301

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

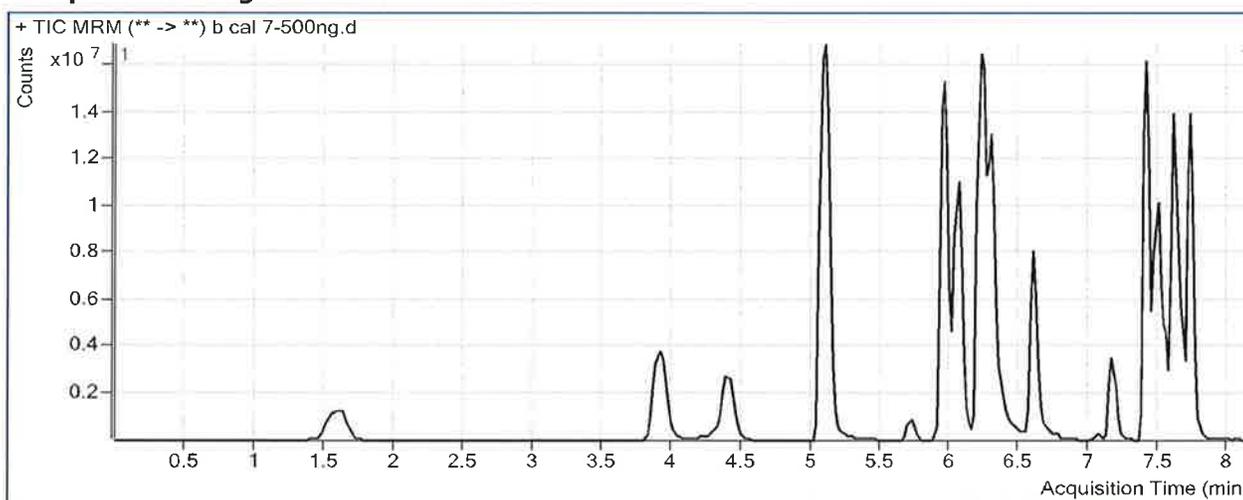
TS
D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1b.batch.bin
Analysis Time 8/9/2018 10:21 AM **Analyst Name** ISPUser
Report Time 8/9/2018 10:43 AM **Reporter Name** ISPUser
Last Calib Update 8/9/2018 10:21 AM **Batch State** Processed

Analysis Info

Acq Time 2018-08-06 15:46 **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-G1 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.608	10131427	625216	16.2047	485.0158
Dihydrocodeine	Dihydrocodeine-D6	3.910	9709551	934351	10.3918	501.3797
Noroxycodone	Noroxycodone-D3	4.411	13785904	760933	18.1171	508.3005
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.100	78125066	9204837	8.4874	402.9679
Benzoylcegonine	Benzoylcegonine-d8	5.711	1019657	72475	14.0692	786.1072
Ketamine	Ketamine-D4	5.962	48697761	4140092	11.7625	477.4157
Norfentanyl	Norfentanyl-D5	6.004	4692540	4268854	1.0993	48.7493
Cocaine	Cocaine-d3	6.212	20211683	4597420	4.3963	504.9915
alpha-PVP	alpha-PVP-d8	6.308	28543463	2796641	10.2063	505.0204
Mirtazapine	alpha-PVP-d8	6.604	17757839	2796641	6.3497	418.1894
Norbuprenorphine	Norbuprenorphine-D3	6.974	14645	14753	0.9927	52.0928
Fentanyl	Fentanyl-D5	7.057	348876	403146	0.8654	47.6995
Mitragynine	EDDP-D3	7.156	2506719	478755	5.2359	228.2212
EDDP	EDDP-D3	7.169	5552470	478755	11.5977	495.2451
Quetiapine	Quetiapine-D8	7.399	38732408	823115	47.0559	446.9903
Cyclobenzaprine	Cyclobenzaprine-D3	7.453	2656121	176292	15.0666	542.5870
Methadone	Methadone-D9	7.481	19747976	1309988	15.0749	541.3266
Fluoxetine	Fluoxetine-D6	7.521	4579887	388142	11.7995	485.0495
Oxazepam	Oxazepam-D5	7.549	3047616	263830	11.5514	527.0796

ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report bcal 7

TS D

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Sertraline	Sertraline-D3	7.583	1742424	154139	11.3043	472.5200
Temazepam	Temazepam-D5	7.604	28954831	2539912	11.3999	511.9150
Buprenorphine	Buprenorphine-D4	7.637	315737	121877	2.5906	52.4324
Nordiazepam	Nordiazepam-D5	7.675	8182470	374769	21.8333	495.6182
Diazepam	Diazepam-D5	7.732	18860211	1382967	13.6375	496.0578

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

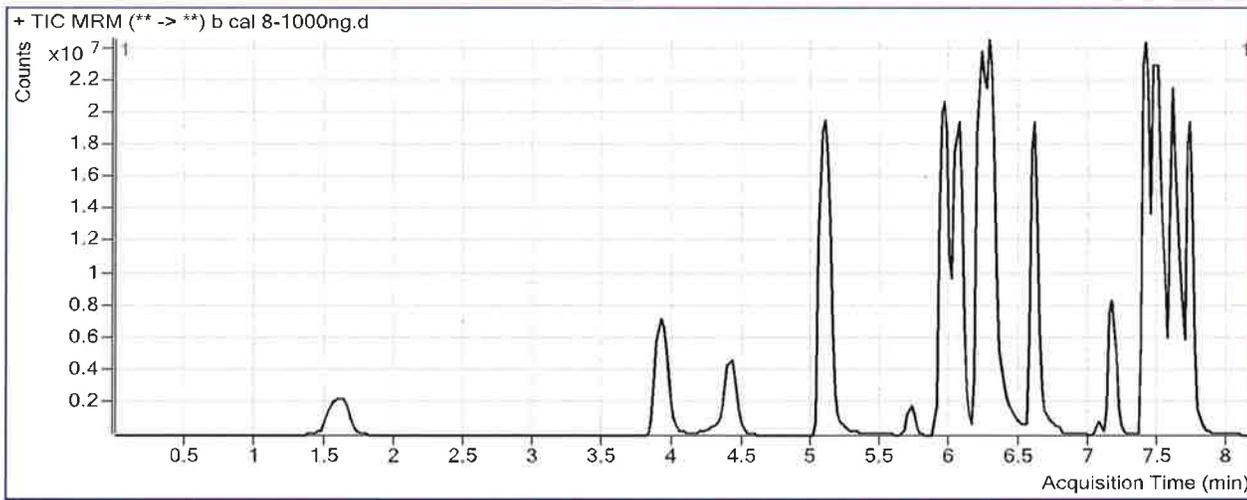
TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\080618 MDQ P1 SP\QuantResults\MDQ P1b.batch.bin
Analysis Time 8/9/2018 10:21 AM **Analyst Name** ISPUser
Report Time 8/9/2018 10:44 AM **Reporter Name** ISPUser
Last Calib Update 8/9/2018 10:21 AM **Batch State** Processed

Analysis Info

Acq Time 2018-08-06 16:17 **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-H1 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.608	18916339	556787	33.9741	1014.4645
Dihydrocodeine	Dihydrocodeine-D6	3.910	18078002	895761	20.1817	972.8509
Noroxycodone	Noroxycodone-D3	4.411	23314376	656262	35.5260	994.9435
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.100	104582919	8314477	12.5784	597.1052
Benzoylcegonine	Benzoylcegonine-d8	5.711	2144863	54474	39.3739	2198.1334
Ketamine	Ketamine-D4	5.942	78843571	4195723	18.7914	762.2487
Norfentanyl	Norfentanyl-D5	6.004	9425302	4032438	2.3374	102.7348
Cocaine	Cocaine-d3	6.212	36238073	4209740	8.6082	987.5874
alpha-PVP	alpha-PVP-d8	6.308	55088494	2994204	18.3984	909.2816
Mirtazapine	alpha-PVP-d8	6.604	46721165	2994204	15.6039	1023.5234
Norbuprenorphine	Norbuprenorphine-D3	6.974	32656	17854	1.8290	98.4250
Fentanyl	Fentanyl-D5	7.057	1263585	644293	1.9612	106.9020
Mitragynine	EDDP-D3	7.136	6503768	550088	11.8231	511.2218
EDDP	EDDP-D3	7.169	13964241	550088	25.3855	1081.7254
Quetiapine	Quetiapine-D8	7.399	61602963	1037541	59.3740	563.7993
Cyclobenzaprine	Cyclobenzaprine-D3	7.453	8311819	307471	27.0328	971.7131
Methadone	Methadone-D9	7.481	47101838	1831451	25.7183	923.6385
Fluoxetine	Fluoxetine-D6	7.521	13977994	568324	24.5951	1008.9440
Oxazepam	Oxazepam-D5	7.549	5828344	244742	23.8142	1086.0043

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

TS
B cal 8
P

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Sertraline	Sertraline-D3	7.583	5163464	204073	25.3020	1054.4775
Temazepam	Temazepam-D5	7.604	44244630	2048320	21.6004	969.4589
Buprenorphine	Buprenorphine-D4	7.637	810333	127741	6.3436	127.9818
Nordiazepam	Nordiazepam-D5	7.675	13990908	313582	44.6164	1010.7209
Diazepam	Diazepam-D5	7.732	29485409	1072611	27.4894	998.5980