

Worklist: 2827

<u>LAB_CASE</u>	<u>ITEM</u>	<u>TASK_ID</u>	<u>DESCRIPTION</u>	
M2018-5158	1	133752	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
M2018-5224	1	133753	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
M2018-5239	1	133754	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
M2018-5424	3	133755	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
M2018-5473	3	133756	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-3068	1	133757	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-3070	1	133758	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-3071	1	133759	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-3074	1	133760	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-3075	1	133761	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-3121	1	133762	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-3123	1	133763	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-3129	1	133764	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-3149	1	133765	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-3150	1	133766	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-3166	1	133767	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-3167	1	133768	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-3170	1	133769	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-3171	1	133770	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-3180	1	133771	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	

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

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Extraction Date: 12/06/18 Analyst: Sarah Pickle
Plate lot#: 0530563 Plate Expiration: 05/21/19

Mobile phase A: 5mM Amm Form + 0.01% FA **Mobile phase B:** 0.01% Formic Acid in MeOH
0.5M Ammonium Hydroxide Ethyl Acetate 20% Methanol in Water
Blank Blood Lot: 445283-1 **Column:** Agilent 120 EC-C18 (2.1x 100-4um)
LCMS-QQQ ID: 59740

Pre-Analytic:

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

Analytic:

- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. Pipette **250µL blood (calibrated pipette) Pipette ID: #16** in wells of analytical (standards) plate.
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes. *Shaker ID: 067105*
- 4. Pipette **250µL 0.5M ammonium hydroxide** in wells of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 6. Transfer **300µL of blood+base** mixture to corresponding wells of SLE+ plate.
- 7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent).
(Load at 85-100 PSI- Selector to the right) Manifold ID: 067104
- 8. Wait 5 minutes.
- 9. Add **900uL ethyl acetate**.
- 10. Wait 5 minutes.
- 11. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left)*.
- 12. Add **900uL ethyl acetate**.
- 13. Wait 5 minutes.
- 14. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left)*.
- 15. Remove plate containing eluate. Place on SPE Dry and evaporate to dryness at approx. 35°C.
SPE Dry ID: 067103
- 16. Reconstitute in **100µL 20% MeOH** and heat seal plate with foil. Place in autosampler and run worklist.

Post-Analytic

- 1. Create batch and process data.
Worklist path: 120618 MDQ PISP Batch Name: Pl_a, Pl_b
- 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 2.5-100, Metoprolol 5-500, Norhydrocodone 25-1000,
Promethazine 5-500, Buprenorphine 2.5-100, Methadone 5-500, Norbuprenorphine 2.5-100, Norfentanyl 2.5-100,
Did not evaluate: Benzoyllecgonine



Idaho State Police Forensic Services

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

Analyst: Sarah Pickle
Extraction Date: 12/06/18
Worklist Number: 2827

<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	445283-1		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	082818	02/28/19	08/28/18		
Formic Acid (LCMS Grade)	095180B		11/15/17		
Water (LCMS Grade)	183905		12/06/18		
Methanol (LCMS Grade)	177145		04/11/18		
Ammonium Formate (LCMS Grade)	A0287238		01/30/17		
Ammonium Hydroxide (ACS grade or better)	053200		08/03/07		
Ethyl Acetate (ACS grade or better)	100362		06/26/17		
20% LCMS Methanol in LCMS Water	082818		08/28/18		
5mM Ammonium Formate + 0.01% Formic Acid in Water (Mobile Phase A)	120618		12/06/18		
0.01% Formic Acid in Methanol (Mobile Phase B)	100918		10/09/18		
Needle Rinse--75% LCMS MeOH in LCMS Water	110818		11/08/18		

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		

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

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

0.5M Ammonium Hydroxide (Lot: 082818)

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

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

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

5mM Ammonium Formate + 0.01% Formic Acid in Water (Lot: 120618)

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
Ammonium Formate	Arcos Organics	A0287238
LCMS Water	Fisher	183905
Formic Acid	Fisher	095180B
Prepared:	12/06/18	
Prepared By:	Sarah Pickle	

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

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

Needle Rinse (75% LCMS MeOH in LCMS Water) (Lot: 110818)

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
MeOH (LCMS Grade)	Fisher	177145
Water (LCMS Grade)	Fisher	182702
Prepared:	11/08/18	
Prepared By:	Sarah Pickle	

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ISP FORENSICS - Pocatello Instrument # 59740

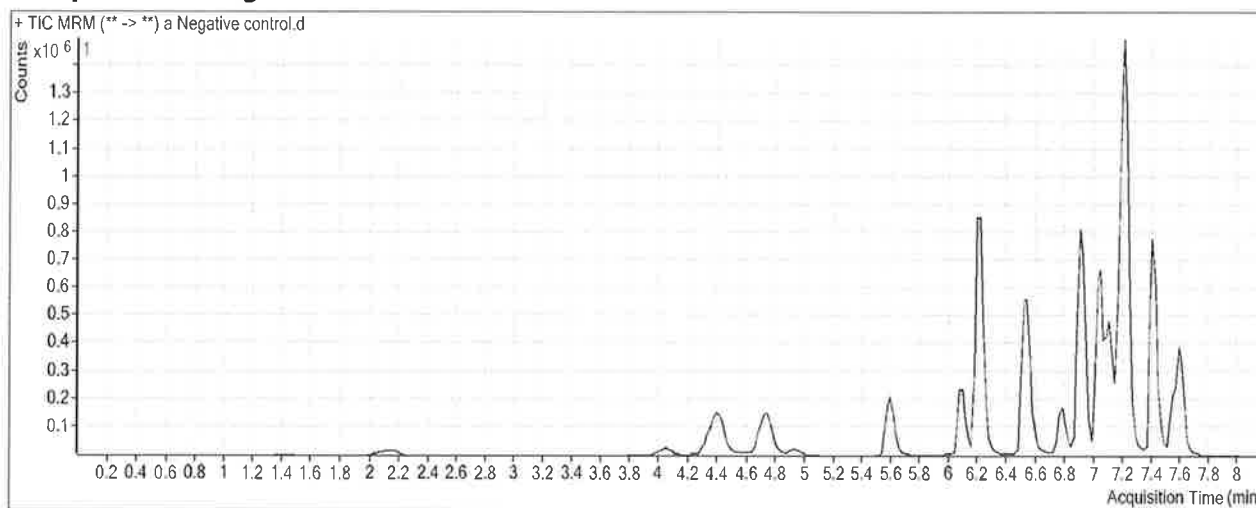
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\120618 MDQ P1 SP\QuantResults\P1a.batch.bin
Analysis Time 12/11/2018 3:55 PM **Analyst Name** ISPUser
Report Time 12/11/2018 4:02 PM **Reporter Name** ISPUser
Last Calib Update 12/11/2018 3:55 PM **Batch State** Processed

Analysis Info

Acq Time 2018-12-06 20:47 **Data File** a Negative control.d
Sample Type Sample **Sample Name** a Negative control.d
Dilution 1 **Acq Method** MD Quant Panel 1a 7-11-18.m
Position P1-D11 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Promethazine	Promethazine-D3	7.430	40160	2616699	0.0153	1.2648 <i>15</i>
Lorazepam	Clonazepam-D4	7.584	2374	55334	0.0429	3.3260 <i>15</i>

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ISP FORENSICS - Pocatello Instrument # 59740

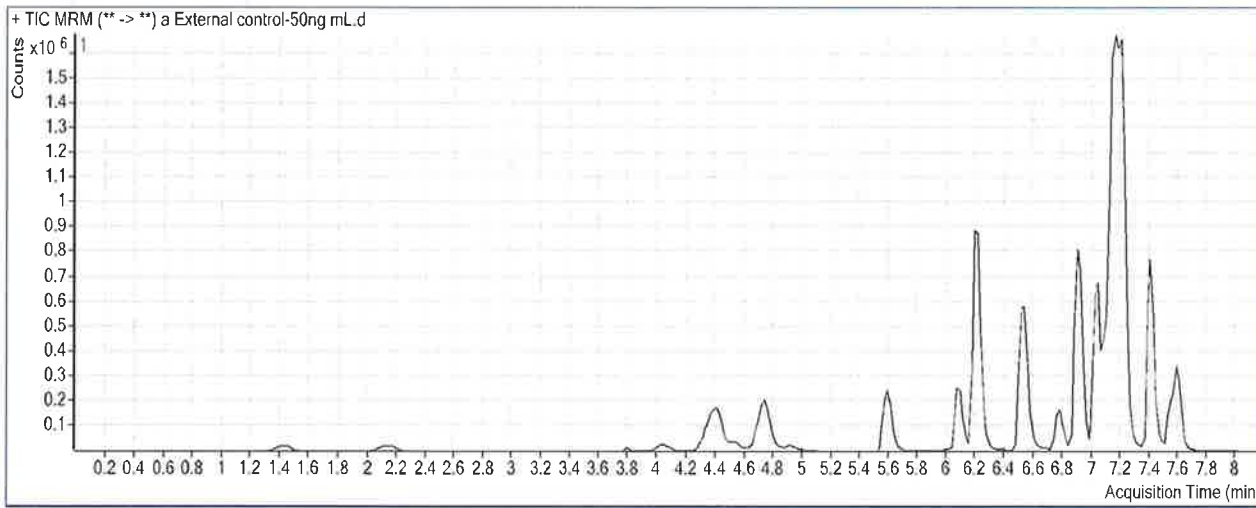
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\120618 MDQ P1 SP\QuantResults\P1a.batch.bin
Analysis Time 12/11/2018 3:55 PM **Analyst Name** ISPUser
Report Time 12/11/2018 4:02 PM **Reporter Name** ISPUser
Last Calib Update 12/11/2018 3:55 PM **Batch State** Processed

Analysis Info

Acq Time 2018-12-06 21:18 **Data File** a External control-50ng mL.d
Sample Type Sample **Sample Name** a External control-50ng mL.d
Dilution 1 **Acq Method** MD Quant Panel 1a 7-11-18.m
Position P1-C11 **Sample Info**
Inj Vol -1 **Comment** AM 28; WS121217 50 ng trazodone, ketamine, morphine, quetiapine

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
<u>Morphine</u>	Morphine-D6	1.448	54643	24881	2.1962	42.0658
Amphetamine	Amphetamine-D11	4.544	155868	574782	0.2712	3.5960 < 5
<u>Trazodone</u>	Trazodone-D6	7.137	2083483	1583161	1.3160	49.2216
Promethazine	Promethazine-D3	7.430	24639	2547536	0.0097	1.0935 < 5

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ISP FORENSICS - Pocatello Instrument # 59740

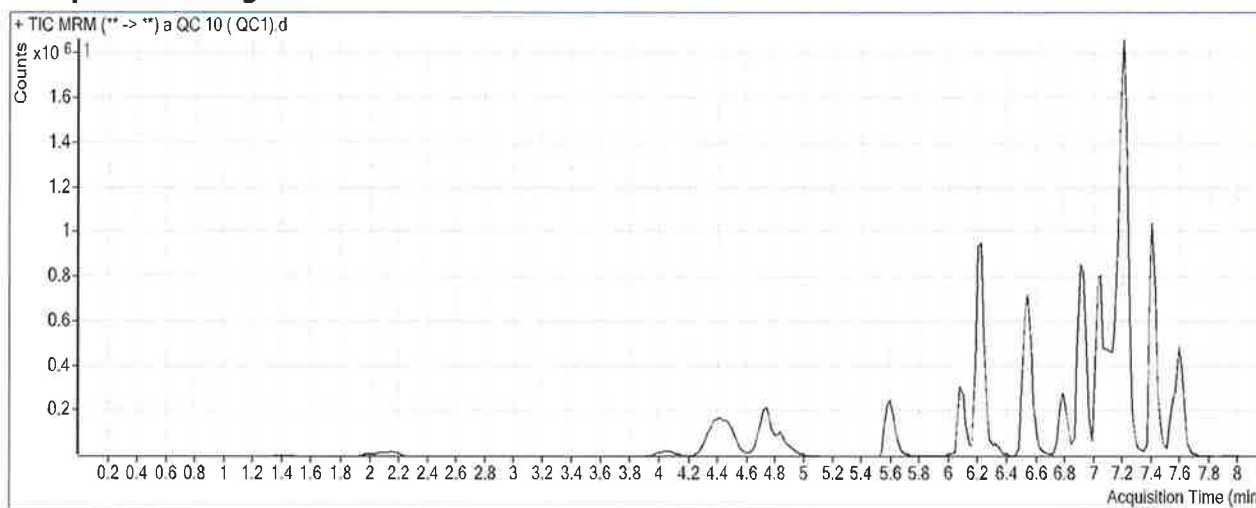
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\120618 MDQ P1 SP\QuantResults\P1a.batch.bin
Analysis Time 12/11/2018 3:55 PM **Analyst Name** ISPUser
Report Time 12/11/2018 4:02 PM **Reporter Name** ISPUser
Last Calib Update 12/11/2018 3:55 PM **Batch State** Processed

Analysis Info

Acq Time 2018-12-06 22:21 **Data File** a QC 10 (QC1).d
Sample Type QC **Sample Name** a QC 10 (QC1).d
Dilution 1 **Acq Method** MD Quant Panel 1a 7-11-18.m
Position P1-H11 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.448	9755	20163	0.4838	10.1008
Hydromorphone	Hydromorphone-D6	2.149	40846	165349	0.2470	9.6630
Codeine	Codeine-D6	4.092	17370	84029	0.2067	9.3920
Oxycodone	Oxycodone-D6	4.450	173020	670949	0.2579	9.6864
Amphetamine	Amphetamine-D11	4.484	391980	577530	0.6787	10.2040
Hydrocodone	Hydrocodone-D6	4.735	63195	394357	0.1602	10.0005
Norhydrocodone	Norhydrocodone-D3	4.778	5834	117467	0.0497	18.1860
Methamphetamine	Methamphetamine-D11	4.841	334843	750485	0.4462	9.8312
6-MAM	6-MAM-D6	4.929	2014	65738	0.0306	1.6471
Phentermine	Phentermine-D5	5.646	116637	1080903	0.1079	9.9223
Dextrophan	Dextrophan-D3	6.084	106316	865686	0.1228	10.3480
7-aminoclonazepam	7-Aminoclonazepam-D4	6.216	80477	345482	0.2329	9.8239
Tramadol	Tramadol-13C-D3	6.224	524257	24390	21.4949	10.4928
Metoprolol	Tramadol-13C-D3	6.322	56137	24390	2.3017	10.5805
Doxylamine	Doxylamine-D5	6.543	324348	2278414	0.1424	9.5278
Bupropion	Bupropion-D9	6.812	213197	687032	0.3103	9.7658
Meprobamate	Meprobamate-D7	6.914	25135	112872	0.2227	9.2916
Zolpidem	Zolpidem-D6	6.922	477241	2699117	0.1768	9.6509
Venlafaxine	Venlafaxine-D6	7.046	637054	2278128	0.2796	9.6468
Trazodone	Trazodone-D6	7.137	442576	1447242	0.3058	11.3664

outside curve range
outside curve range

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

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Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.179	392615	1797050	0.2185	9.7583
Dextromethorphan	Dextromethorphan-D3	7.211	168442	675749	0.2493	10.6442
Diphenhydramine	Diphenhydramine-D3	7.214	730208	3501514	0.2085	9.9533
Promethazine	Promethazine-D3	7.409	774489	2513889	0.3081	10.0992
Clonazepam	Clonazepam-D4	7.465	50017	45842	1.0911	10.0253
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.541	17161	89971	0.1907	9.1671
Carisoprodol	Carisoprodol-D7	7.555	105870	438230	0.2416	10.9379
Lorazepam	Clonazepam-D4	7.584	23119	45842	0.5043	9.8579
Alprazolam	Alprazolam-D5	7.608	279103	947511	0.2946	9.7418

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ISP FORENSICS - Pocatello Instrument # 59740

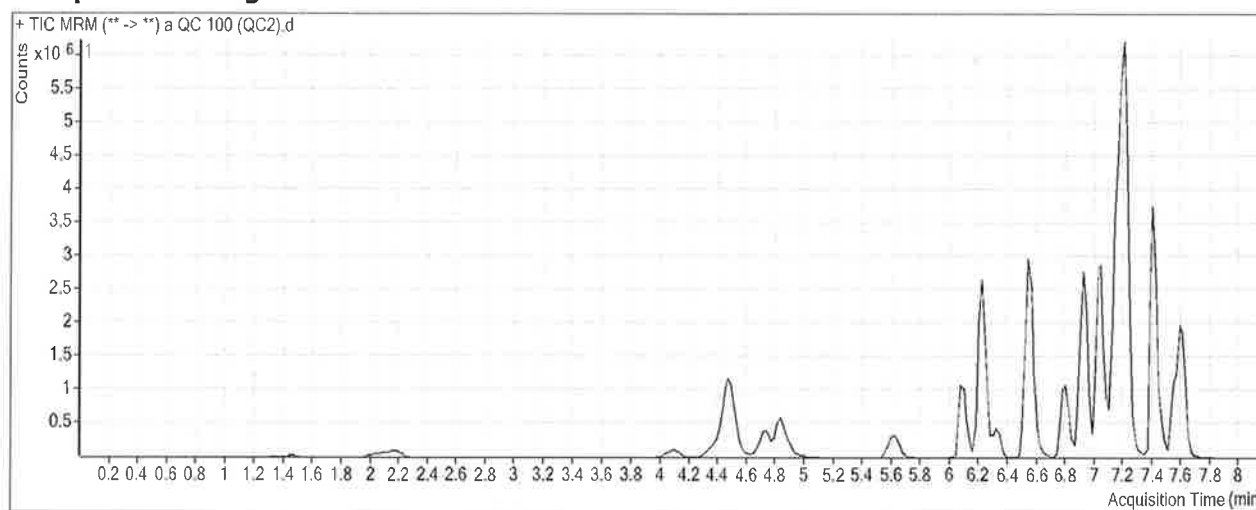
Multi-Drug Confirmatory Analysis Report

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Analysis Time 12/11/2018 3:55 PM **Analyst Name** ISPUser
Report Time 12/11/2018 4:02 PM **Reporter Name** ISPUser
Last Calib Update 12/11/2018 3:55 PM **Batch State** Processed

Analysis Info

Acq Time 2018-12-07 00:43 **Data File** a QC 100 (QC2).d
Sample Type QC **Sample Name** a QC 100 (QC2).d
Dilution 1 **Acq Method** MD Quant Panel 1a 7-11-18.m
Position P1-G11 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.468	117425	22139	5.3040	100.0803
Hydromorphone	Hydromorphone-D6	2.169	495102	180496	2.7430	94.8889
Codeine	Codeine-D6	4.092	197411	85222	2.3164	97.4320
Oxycodone	Oxycodone-D6	4.450	2092742	673295	3.1082	102.5540
Amphetamine	Amphetamine-D11	4.504	3247544	488257	6.6513	107.0449
Hydrocodone	Hydrocodone-D6	4.735	761163	402824	1.8896	102.0811
Norhydrocodone	Norhydrocodone-D3	4.778	61553	115652	0.5322	102.9572
Methamphetamine	Methamphetamine-D11	4.841	2118218	484213	4.3746	97.2455
6-MAM	6-MAM-D6	4.929	19822	72979	0.2716	9.1551
Phentermine	Phentermine-D5	5.646	1041501	845263	1.2322	105.9336
Dextroproprphan	Dextroproprphan-D3	6.084	1275471	922094	1.3832	104.5266
7-aminoclonazepam	7-Aminoclonazepam-D4	6.216	900821	337624	2.6681	98.0963
Tramadol	Tramadol-13C-D3	6.224	5571225	27566	202.1019	94.3573
Metoprolol	Tramadol-13C-D3	6.322	632517	27566	22.9452	103.9873
Doxylamine	Doxylamine-D5	6.543	3610885	2393870	1.5084	89.0368
Bupropion	Bupropion-D9	6.812	1979232	598956	3.3045	92.3912
Meprobamate	Meprobamate-D7	6.914	345475	121042	2.8542	97.8438
Zolpidem	Zolpidem-D6	6.922	5414264	2741643	1.9748	95.0305
Venlafaxine	Venlafaxine-D6	7.046	6973640	2327617	2.9960	93.9820
Trazodone	Trazodone-D6	7.137	4495729	1514528	2.9684	111.1398

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a QC 100

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

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.179	4092641	1663928	2.4596	96.7831
Dextromethorphan	Dextromethorphan-D3	7.191	1788271	703738	2.5411	101.3879
Diphenhydramine	Diphenhydramine-D3	7.234	7616655	3419918	2.2271	97.2318
Promethazine	Promethazine-D3	7.409	8043805	2391057	3.3641	102.3264
Clonazepam	Clonazepam-D4	7.465	625761	49840	12.5553	106.2475
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.541	325910	145394	2.2416	96.9845
Carisoprodol	Carisoprodol-D7	7.555	1083763	425661	2.5461	102.1902
Lorazepam	Clonazepam-D4	7.584	421063	49840	8.4482	122.3174
Alprazolam	Alprazolam-D5	7.608	2939754	935046	3.1440	93.3777

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ISP FORENSICS - Pocatello Instrument # 59740

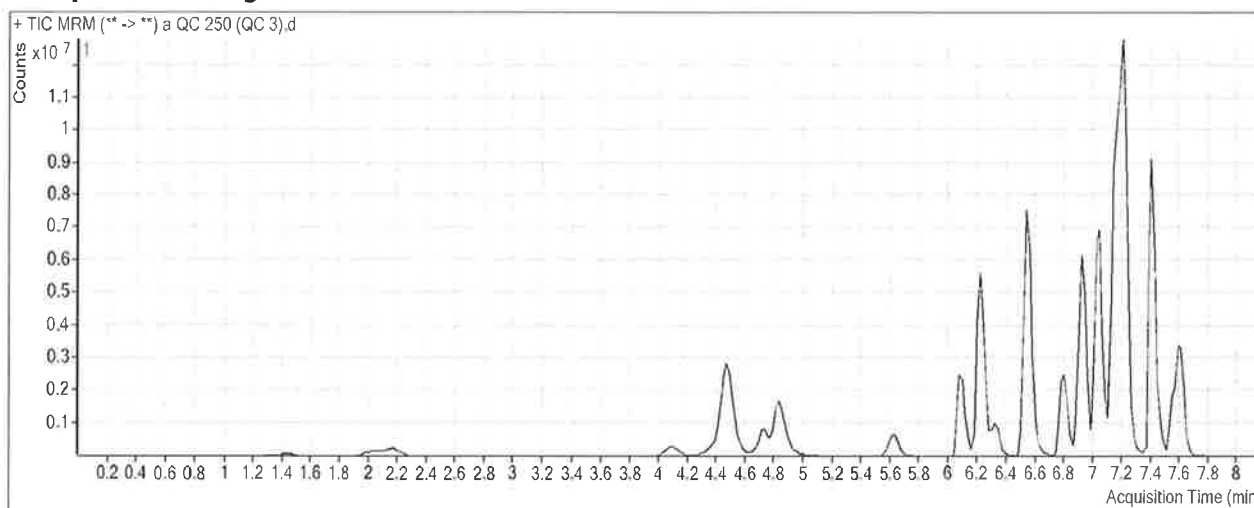
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\120618 MDQ P1 SP\QuantResults\P1a.batch.bin
Analysis Time 12/11/2018 3:55 PM **Analyst Name** ISPUser
Report Time 12/11/2018 4:02 PM **Reporter Name** ISPUser
Last Calib Update 12/11/2018 3:55 PM **Batch State** Processed

Analysis Info

Acq Time 2018-12-07 04:41 **Data File** a QC 250 (QC 3).d
Sample Type QC **Sample Name** a QC 250 (QC 3).d
Dilution 1 **Acq Method** MD Quant Panel 1a 7-11-18.m
Position P1-F11 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.468	304875	21456	14.2095	266.3235
Hydromorphone	Hydromorphone-D6	2.169	1324463	177559	7.4593	255.9278
Codeine	Codeine-D6	4.092	516310	81495	6.3355	265.1490
Oxycodone	Oxycodone-D6	4.450	5428219	682929	7.9484	260.2551
Amphetamine	Amphetamine-D11	4.484	7722995	489697	15.7710	254.9136
Hydrocodone	Hydrocodone-D6	4.735	1981654	419677	4.7219	252.8908
Norhydrocodone	Norhydrocodone-D3	4.778	134992	102805	1.3131	240.1315
Methamphetamine	Methamphetamine-D11	4.841	6280102	544195	11.5402	256.6942
6-MAM	6-MAM-D6	4.929	52714	76989	0.6847	22.1970
Phentermine	Phentermine-D5	5.646	2642415	869797	3.0380	260.1493
Dextroprphan	Dextroprphan-D3	6.084	3267964	976421	3.3469	251.2502
7-aminoclonazepam	7-Aminoclonazepam-D4	6.216	2084463	311760	6.6861	243.7438
Tramadol	Tramadol-13C-D3	6.224	14938702	27369	545.8171	253.9606
Metoprolol	Tramadol-13C-D3	6.322	1503638	27369	54.9386	248.7495
Doxylamine	Doxylamine-D5	6.543	10133831	2391451	4.2375	247.8844
Bupropion	Bupropion-D9	6.812	4882580	544635	8.9649	248.5926
Meprobamate	Meprobamate-D7	6.914	883544	111727	7.9081	267.9136
Zolpidem	Zolpidem-D6	6.922	14215144	2767567	5.1363	245.1565
Venlafaxine	Venlafaxine-D6	7.046	18990004	2304726	8.2396	256.7767
Trazodone	Trazodone-D6	7.137	11108508	1573214	7.0610	264.4996

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

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.159	9530190	1478812	6.4445	251.5171
Dextromethorphan	Dextromethorphan-D3	7.191	4358830	680662	6.4038	254.3291
Diphenhydramine	Diphenhydramine-D3	7.234	19392252	3207419	6.0461	262.3505
Promethazine	Promethazine-D3	7.409	22363989	2449623	9.1296	276.3198
Clonazepam	Clonazepam-D4	7.465	1171951	38747	30.2465	254.7339
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.541	376392	64749	5.8131	249.9190
Carisoprodol	Carisoprodol-D7	7.575	2175462	334692	6.4999	258.7527
Lorazepam	Clonazepam-D4	7.584	479740	38747	12.3814	177.9988
Alprazolam	Alprazolam-D5	7.608	6127278	730742	8.3850	247.2133

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ISP FORENSICS - Pocatello Instrument # 59740

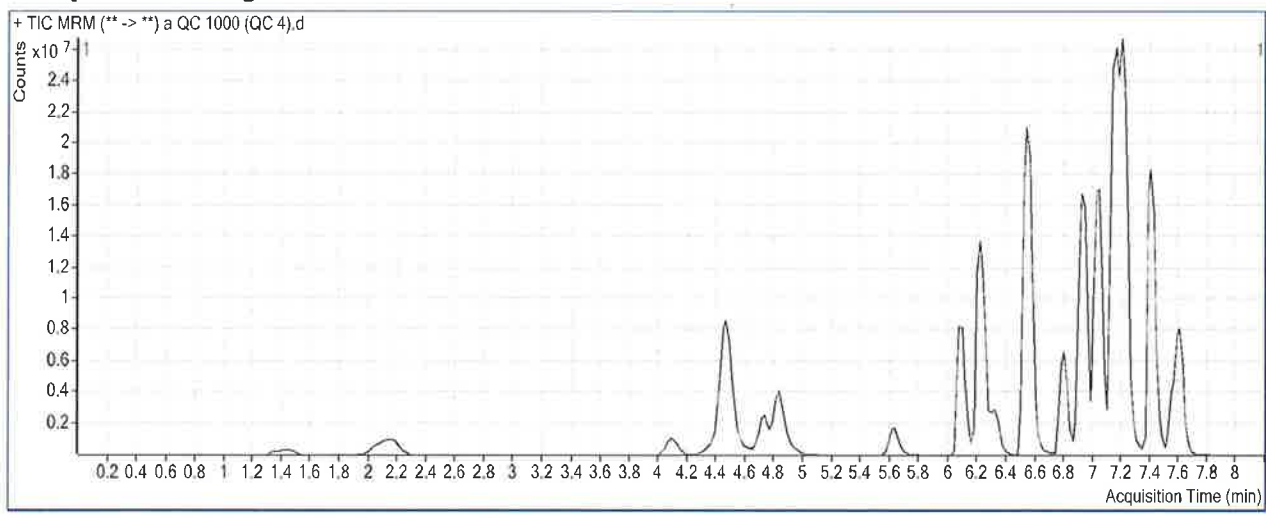
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\120618 MDQ P1 SP\QuantResults\P1a.batch.bin
Analysis Time 12/11/2018 3:55 PM **Analyst Name** ISUser
Report Time 12/11/2018 4:02 PM **Reporter Name** ISUser
Last Calib Update 12/11/2018 3:55 PM **Batch State** Processed

Analysis Info

Acq Time 2018-12-07 07:33 **Data File** a QC 1000 (QC 4).d
Sample Type QC **Sample Name** a QC 1000 (QC 4).d
Dilution 1 **Acq Method** MD Quant Panel 1a 7-11-18.m
Position P1-E11 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.448	1382719	22893	60.4003	1128.5842
Hydromorphone	Hydromorphone-D6	2.169	5251686	163808	32.0599	1095.9225
Codeine	Codeine-D6	4.092	1738649	68661	25.3221	1057.4718
Oxycodone	Oxycodone-D6	4.450	21787044	629871	34.5897	1128.2619
Amphetamine	Amphetamine-D11	4.484	20494443	395181	51.8609	840.0838
Hydrocodone	Hydrocodone-D6	4.735	7330357	388932	18.8474	1005.0295
Norhydrocodone	Norhydrocodone-D3	4.778	528498	76557	6.9033	1222.1754
Methamphetamine	Methamphetamine-D11	4.841	14733494	296429	49.7034	1105.8983
6-MAM	6-MAM-D6	4.929	207200	69448	2.9835	94.7755
Phentermine	Phentermine-D5	5.646	7742866	678625	11.4096	975.0894
Dextrorphan	Dextrorphan-D3	6.084	12217820	862197	14.1706	1059.9946
7-aminoclonazepam	7-Aminoclonazepam-D4	6.216	5524807	218244	25.3148	919.0137
Tramadol	Tramadol-13C-D3	6.224	47531828	23273	2042.3993	948.8950
Metoprolol	Tramadol-13C-D3	6.322	4346791	23273	186.7776	845.2883
Doxylamine	Doxylamine-D5	6.543	38322054	2216717	17.2878	1007.4646
Bupropion	Bupropion-D9	6.812	12382660	351615	35.2166	973.0232
Meprobamate	Meprobamate-D7	6.914	2680028	94533	28.3503	955.8179
Zolpidem	Zolpidem-D6	6.922	49140529	2354590	20.8701	992.2834
Venlafaxine	Venlafaxine-D6	7.046	57472838	1901688	30.2220	939.2571
Trazodone	Trazodone-D6	7.137	31593358	1375928	22.9615	860.3254

outside curve range

ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report a QC 1000

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Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.159	22948692	840404	27.3067	1061.6077
Dextromethorphan	Dextromethorphan-D3	7.191	11749244	423158	27.7656	1100.1355
Diphenhydramine	Diphenhydramine-D3	7.234	50091297	2206201	22.7048	982.6240
Promethazine	Promethazine-D3	7.409	53920190	1852666	29.1041	879.1253
Clonazepam	Clonazepam-D4	7.465	2691147	23890	112.6460	946.3342
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.541	1079125	38473	28.0490	1202.0724
Carisoprodol	Carisoprodol-D7	7.575	4836502	173742	27.8373	1103.6643
Lorazepam	Clonazepam-D4	7.584	1565683	23890	65.5364	930.4970
Alprazolam	Alprazolam-D5	7.608	16570401	441033	37.5718	1103.9070

outside curve range

ISP Forensics Calibration Curve Report

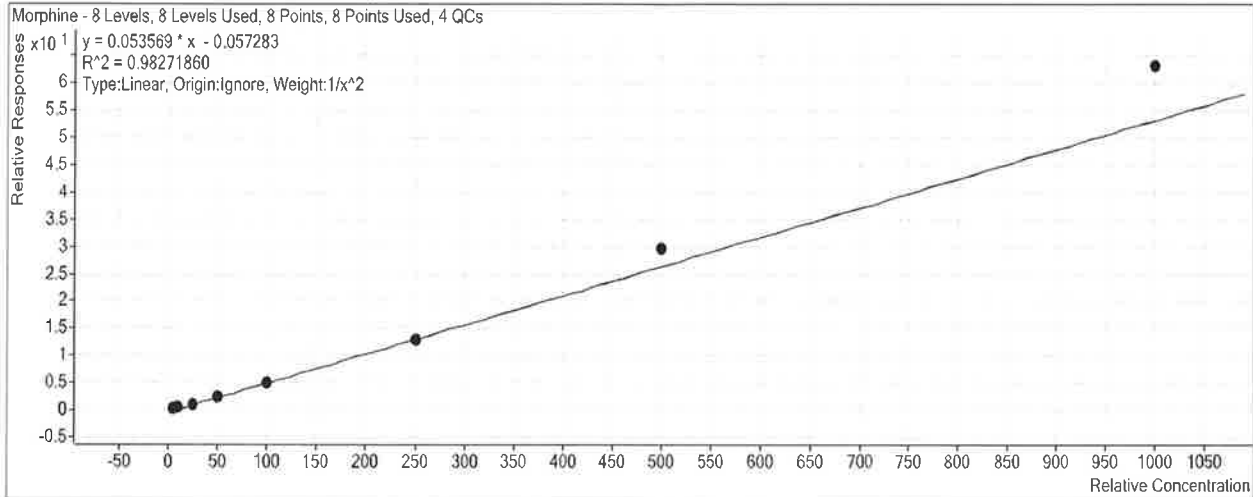
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Batch Data Path C:\MassHunter\Data\2018\MD Quant\120618 MDQ P1 SP\QuantResults\P1a.batch.bin

Last Calib Update 12/11/2018 3:55 PM

Analyst Name ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.4	108.8
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.0	90.0
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.1	101.0
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	21.2	84.8
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	46.5	92.9
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	96.1	96.1
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	100.1	100.1
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	245.9	98.4
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	266.3	106.5
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	553.9	110.8
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1183.0	118.3
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1128.6	112.9

ISP Forensics Calibration Curve Report

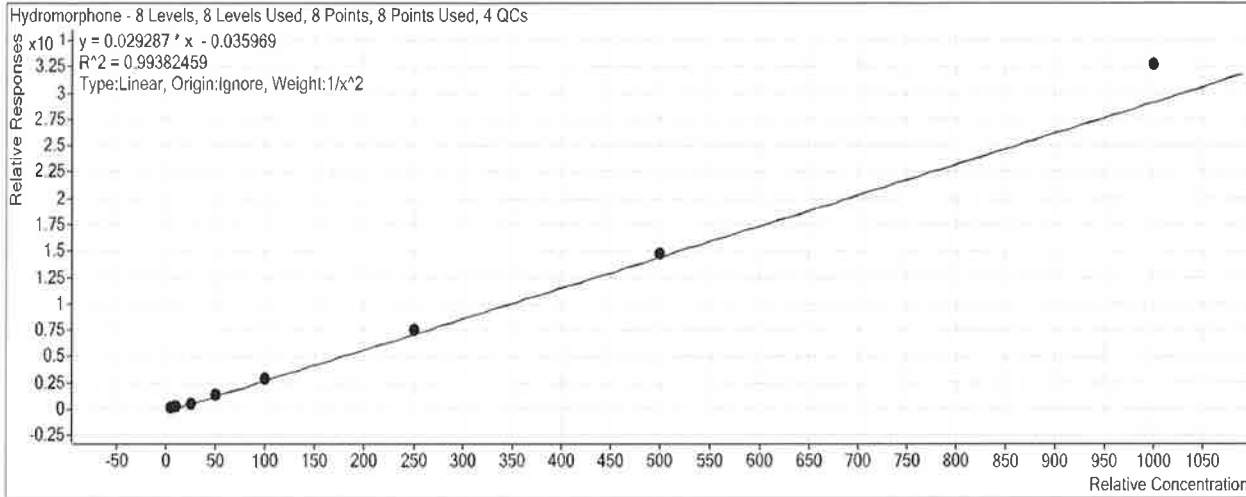
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Batch Data Path C:\MassHunter\Data\2018\MD Quant\120618 MDQ P1 SP\QuantResults\P1a.batch.bin

Last Calib Update 12/11/2018 3:55 PM

Analyst Name ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.2	104.5
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.6	96.2
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.7	96.6
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	22.2	88.8
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	47.8	95.7
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	99.0	99.0
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	94.9	94.9
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	258.1	103.2
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	255.9	102.4
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	503.5	100.7
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1117.8	111.8
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1095.9	109.6

ISP Forensics Calibration Curve Report

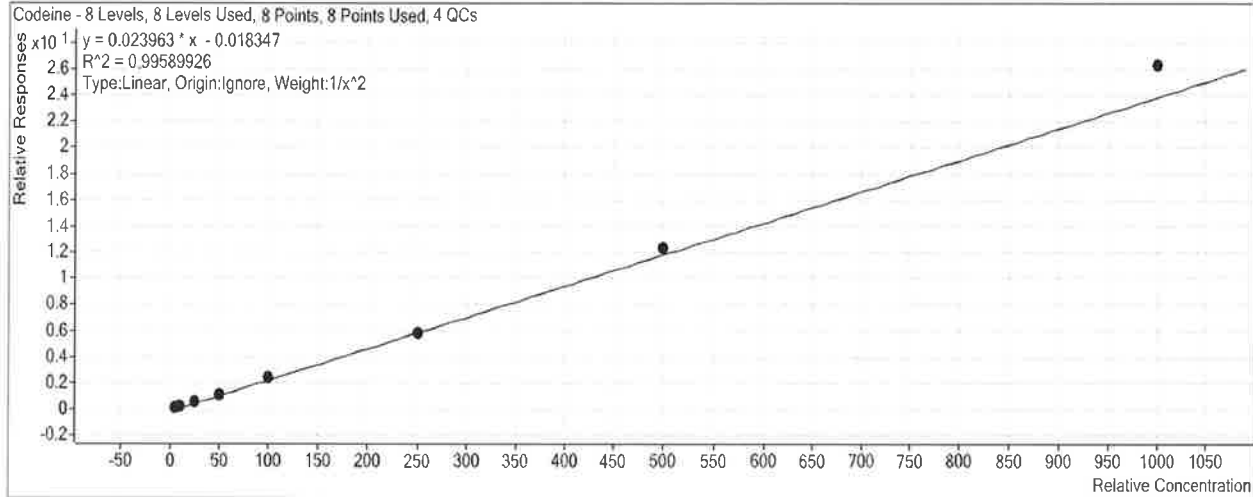
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Batch Data Path C:\MassHunter\Data\2018\MD Quant\120618 MDQ P1 SP\QuantResults\P1a.batch.bin

Last Calib Update 12/11/2018 3:55 PM

Analyst Name ISP TOX

Target Compound Codeine
Internal Standard Codeine-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.1	102.5
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.9	98.6
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.4	93.9
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.8	95.1
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	45.8	91.5
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	100.3	100.3
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	97.4	97.4
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	246.8	98.7
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	265.1	106.1
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	516.6	103.3
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1100.0	110.0
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1057.5	105.7

ISP Forensics Calibration Curve Report

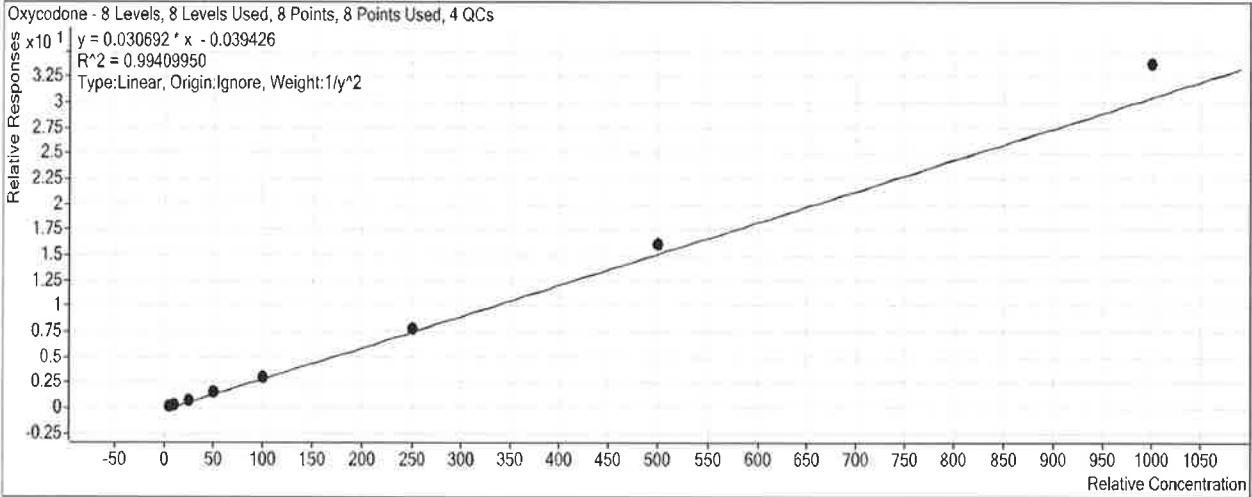
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Batch Data Path C:\MassHunter\Data\2018\MD Quant\120618 MDQ P1 SP\QuantResults\P1a.batch.bin

Last Calib Update 12/11/2018 3:55 PM

Analyst Name ISP TOX

Target Compound Oxycodone
Internal Standard Oxycodone-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.2	104.1
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.4	94.5
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.7	96.9
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	22.6	90.5
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	49.8	99.6
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	99.8	99.8
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	102.6	102.6
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	254.0	101.6
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	260.3	104.1
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	529.1	105.8
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1103.9	110.4
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1128.3	112.8

ISP Forensics Calibration Curve Report

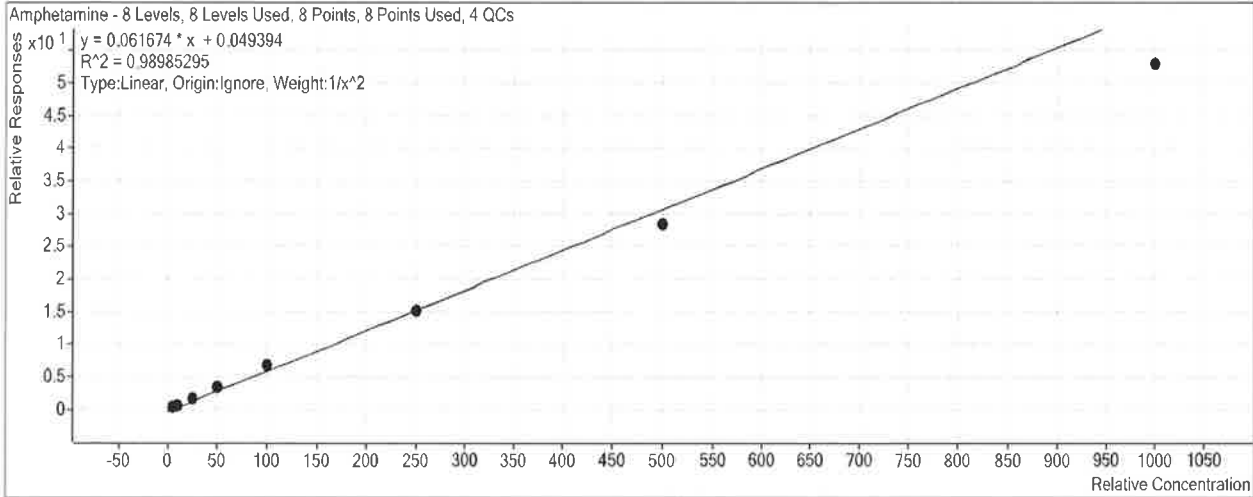
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Batch Data Path C:\MassHunter\Data\2018\MD Quant\120618 MDQ P1 SP\QuantResults\P1a.batch.bin

Last Calib Update 12/11/2018 3:55 PM

Analyst Name ISP TOX

Target Compound Amphetamine
Internal Standard Amphetamine-D11



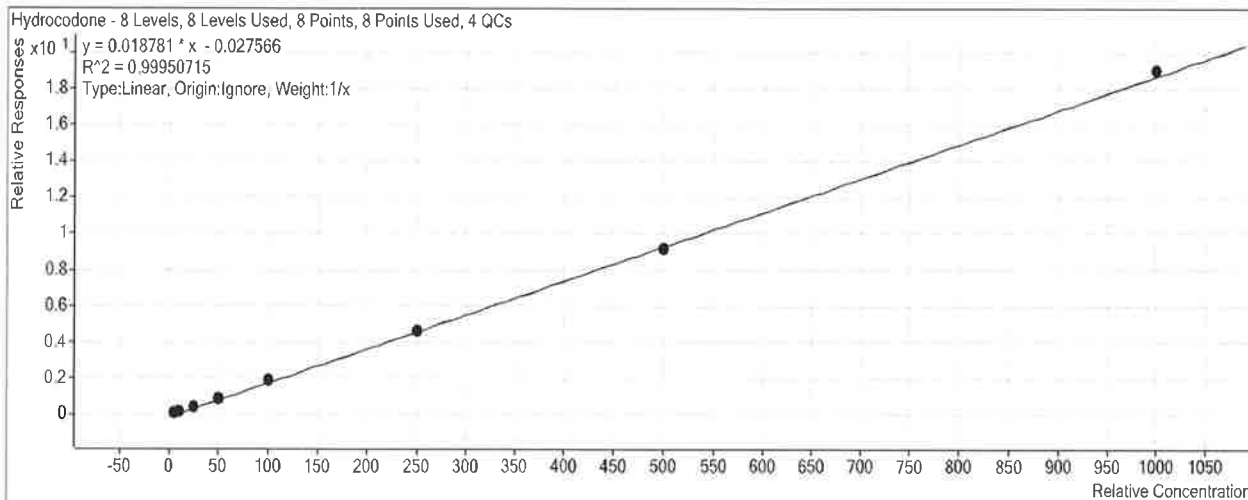
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	4.8	95.3
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	10.5	104.9
a QC 10 (QC1).d	2	<input type="checkbox"/>	10	10.2	102.0
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	26.1	104.5
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	55.7	111.5
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	108.0	108.0
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	107.0	107.0
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	246.2	98.5
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	254.9	102.0
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	458.3	91.7
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	856.5	85.7
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	840.1	84.0

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\120618 MDQ P1 SP\QuantResults\P1a.batch.bin

Last Calib Update 12/11/2018 3:55 PM **Analyst Name** ISP TOX

Target Compound Hydrocodone
Internal Standard Hydrocodone-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.8	116.3
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.5	94.8
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.0	100.0
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.1	92.4
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	48.2	96.3
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	102.0	102.0
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	102.1	102.1
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	247.1	98.8
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	252.9	101.2
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	489.8	98.0
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1014.6	101.5
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1005.0	100.5

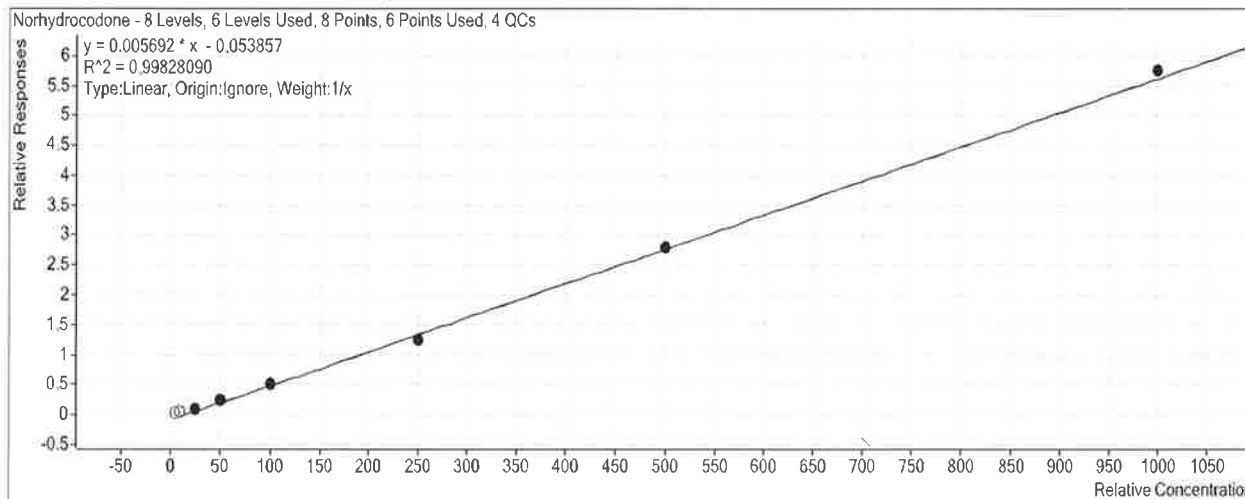
ISP Forensics Calibration Curve Report

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Batch Data Path C:\MassHunter\Data\2018\MD Quant\120618 MDQ P1 SP\QuantResults\P1a.batch.bin

Last Calib Update 12/11/2018 3:55 PM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input type="checkbox"/>	5	13.2	263.1
a cal 2-10ng.d	2	<input type="checkbox"/>	10	17.3	172.7
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	18.2	181.9
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	26.4	105.7
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	51.2	102.4
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	98.6	98.6
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	103.0	103.0
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	228.0	91.2
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	240.1	96.1
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	499.5	99.9
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1021.2	102.1
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1222.2	122.2

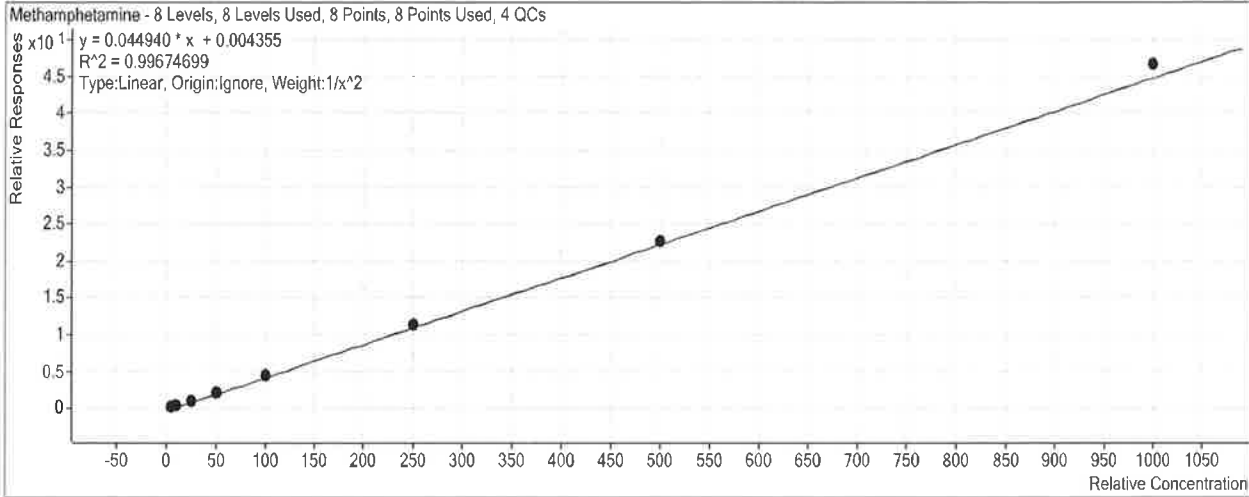
ISP Forensics Calibration Curve Report

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Batch Data Path C:\MassHunter\Data\2018\MD Quant\120618 MDQ P1 SP\QuantResults\P1a.batch.bin

Last Calib Update 12/11/2018 3:55 PM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.2	103.4
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.7	97.0
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.8	98.3
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	22.2	89.0
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	50.4	100.8
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	103.3	103.3
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	97.2	97.2
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	253.0	101.2
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	256.7	102.7
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	506.8	101.4
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1039.5	104.0
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1105.9	110.6

ISP Forensics Calibration Curve Report

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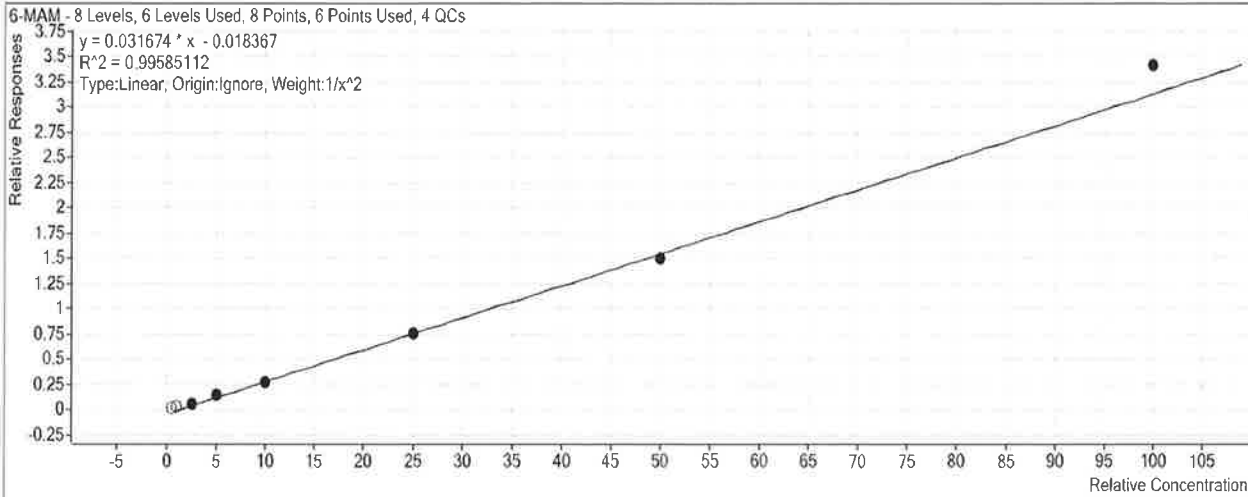
Batch Data Path C:\MassHunter\Data\2018\MD Quant\120618 MDQ P1 SP\QuantResults\P1a.batch.bin

Last Calib Update 12/11/2018 3:55 PM

Analyst Name ISP TOX

Target Compound 6-MAM

Internal Standard 6-MAM-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input type="checkbox"/>	0.5	1.0	202.1
a cal 2-10ng.d	2	<input type="checkbox"/>	1	1.7	171.2
a QC 10 (QC1).d	2	<input type="checkbox"/>	1	1.5	154.7
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	2.5	2.5	100.5
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	5	5.1	102.3
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	10	9.4	94.1
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	10	9.2	91.6
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	25	24.6	98.5
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	25	22.2	88.8
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	50	48.0	96.0
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	100	108.6	108.6
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	100	94.8	94.8

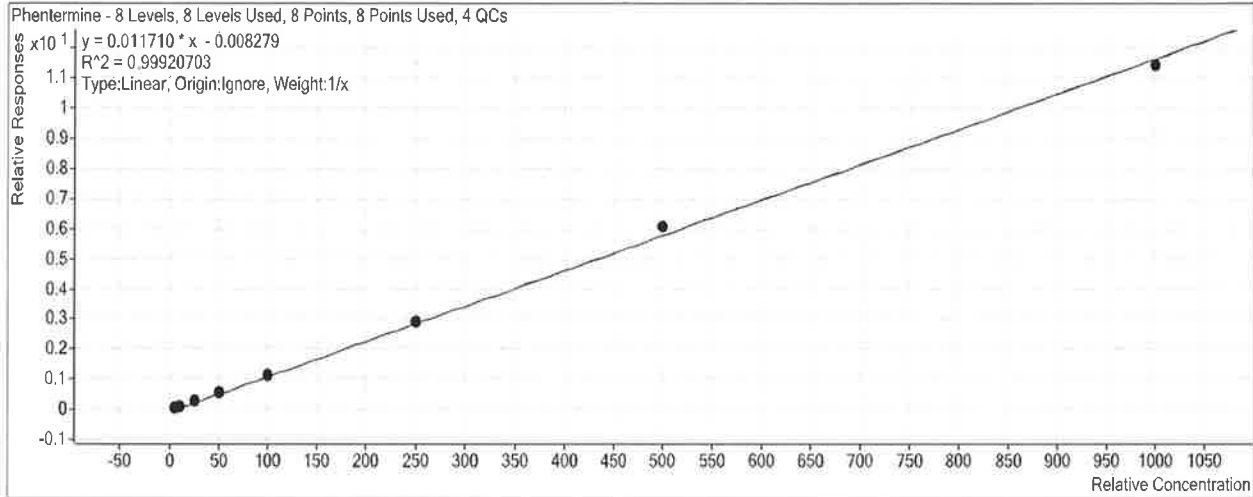
ISP Forensics Calibration Curve Report

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Batch Data Path C:\MassHunter\Data\2018\MD Quant\120618 MDQ P1 SP\QuantResults\P1a.batch.bin

Last Calib Update 12/11/2018 3:55 PM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	4.7	94.7
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	10.2	102.3
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.9	99.2
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	24.7	98.8
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	51.2	102.4
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	100.1	100.1
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	105.9	105.9
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	248.7	99.5
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	260.1	104.1
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	521.3	104.3
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	979.0	97.9
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	975.1	97.5

ISP Forensics Calibration Curve Report

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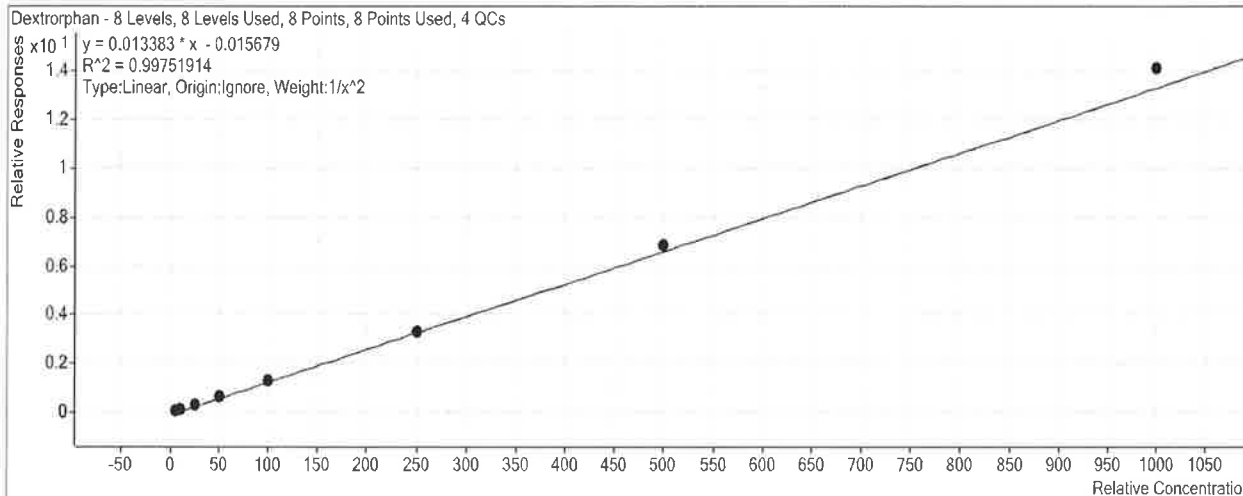
Batch Data Path C:\MassHunter\Data\2018\MD Quant\120618 MDQ P1 SP\QuantResults\P1a.batch.bin

Last Calib Update 12/11/2018 3:55 PM

Analyst Name ISP TOX

Target Compound *Dextrorphan*

Internal Standard *Dextrorphan-D3*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.1	102.6
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.8	98.2
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.3	103.5
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	22.8	91.1
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	50.0	100.0
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	100.4	100.4
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	104.5	104.5
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	248.0	99.2
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	251.3	100.5
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	514.1	102.8
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1057.4	105.7
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1060.0	106.0

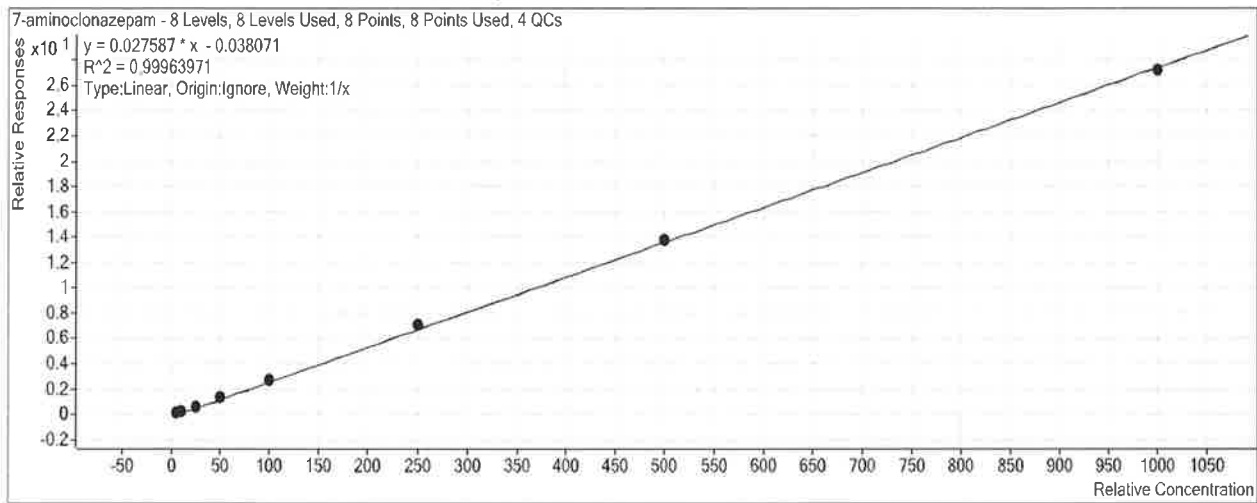
ISP Forensics Calibration Curve Report

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Batch Data Path C:\MassHunter\Data\2018\MD Quant\120618 MDQ P1 SP\QuantResults\P1a.batch.bin

Last Calib Update 12/11/2018 3:55 PM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.4	108.1
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.7	97.2
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.8	98.2
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	22.9	91.6
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	49.7	99.5
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	100.6	100.6
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	98.1	98.1
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	258.5	103.4
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	243.7	97.5
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	503.6	100.7
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	989.7	99.0
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	919.0	91.9

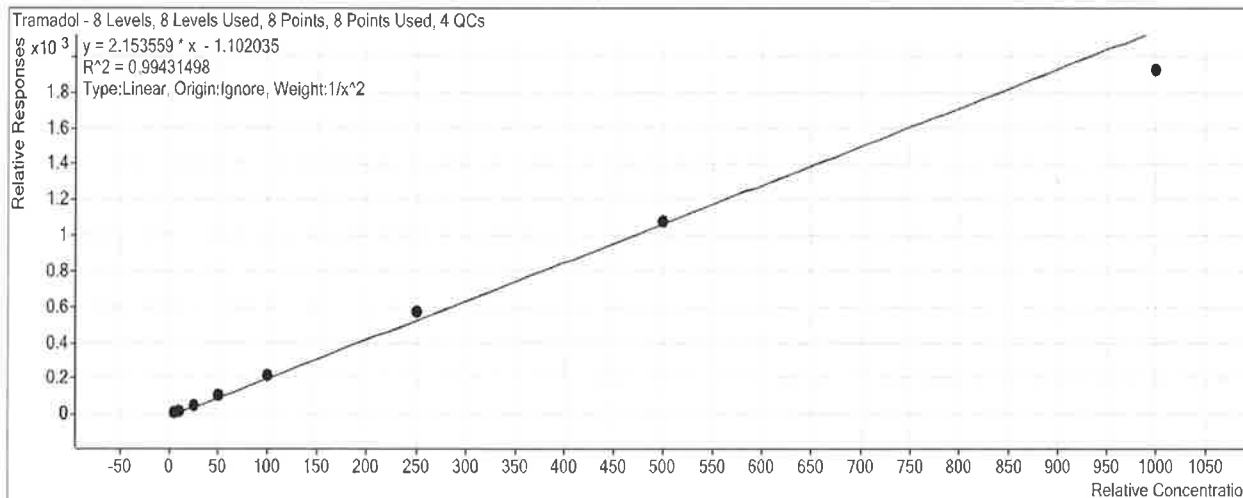
ISP Forensics Calibration Curve Report

P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\120618 MDQ P1 SP\QuantResults\P1a.batch.bin

Last Calib Update 12/11/2018 3:55 PM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	4.8	96.6
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	10.9	108.6
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.5	104.9
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.2	92.9
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	51.0	102.0
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	103.7	103.7
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	94.4	94.4
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	265.7	106.3
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	254.0	101.6
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	501.6	100.3
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	895.5	89.5
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	948.9	94.9

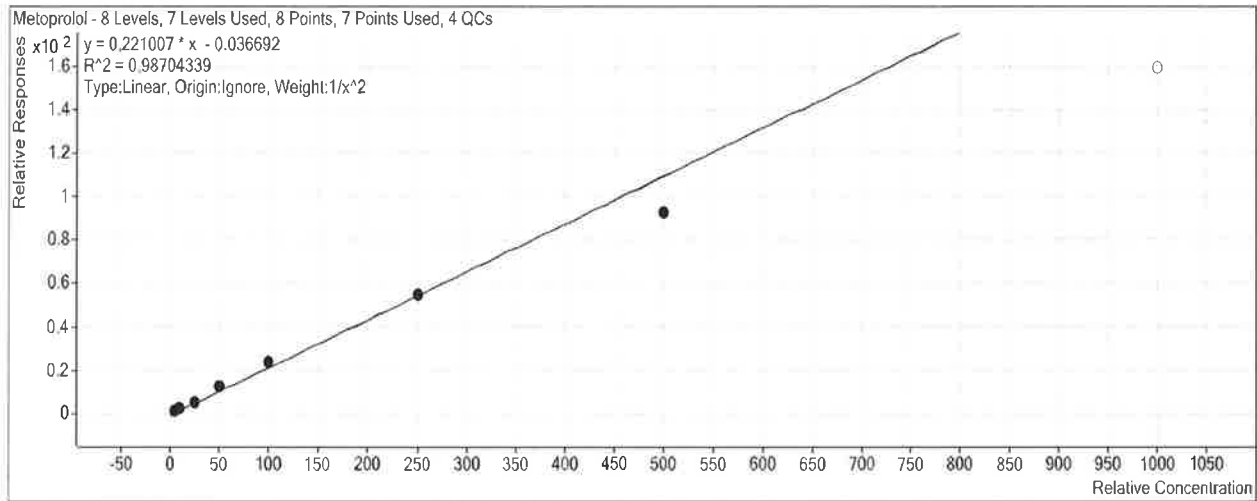
ISP Forensics Calibration Curve Report

D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\120618 MDQ P1 SP\QuantResults\P1a.batch.bin

Last Calib Update 12/11/2018 3:55 PM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	4.8	95.1
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	11.0	109.6
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.6	105.8
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.7	94.7
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	55.0	109.9
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	107.7	107.7
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	104.0	104.0
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	248.0	99.2
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	248.7	99.5
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	419.3	83.9
a cal 8-1000ng.d	8	<input type="checkbox"/>	1000	722.0	72.2
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	845.3	84.5

ISP Forensics Calibration Curve Report

R

Batch Data Path C:\MassHunter\Data\2018\MD Quant\120618 MDQ P1 SP\QuantResults\P1a.batch.bin

Last Calib Update 12/11/2018 3:55 PM

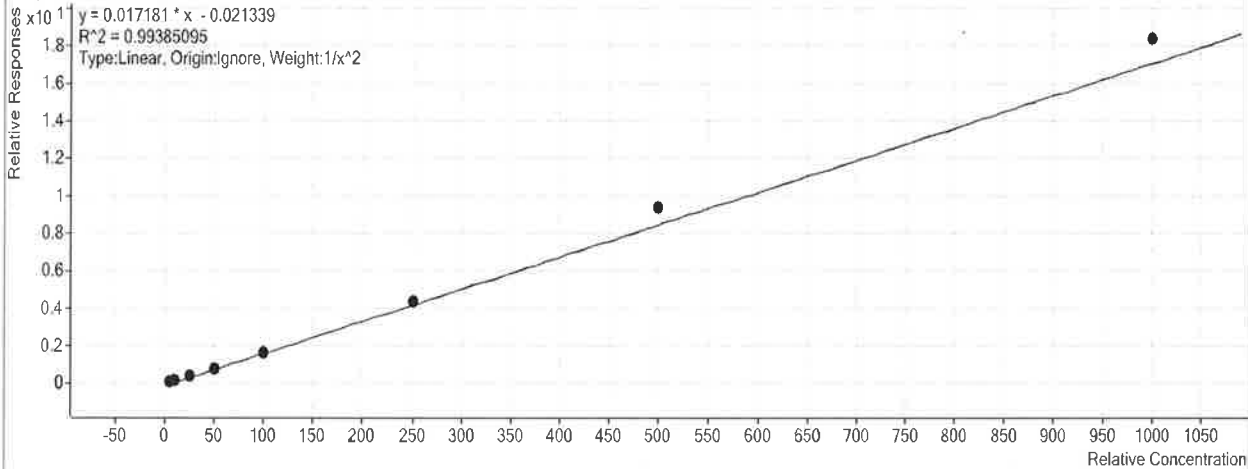
Analyst Name

ISP TOX

Target Compound Doxylamine

Internal Standard Doxylamine-D5

Doxylamine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.2	105.0
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.4	94.4
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.5	95.3
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	22.9	91.7
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	48.0	96.0
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	93.7	93.7
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	89.0	89.0
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	256.9	102.7
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	247.9	99.2
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	545.9	109.2
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1073.0	107.3
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1007.5	100.7

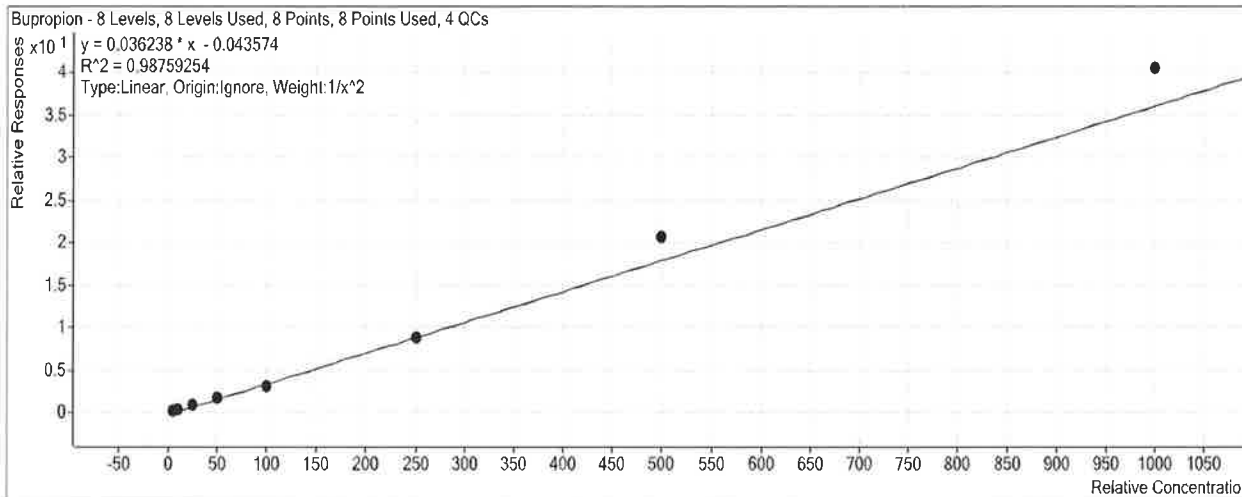
ISP Forensics Calibration Curve Report



Batch Data Path C:\MassHunter\Data\2018\MD Quant\120618 MDQ P1 SP\QuantResults\P1a.batch.bin

Last Calib Update 12/11/2018 3:55 PM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.3	105.1
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.4	94.2
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.8	97.7
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.5	94.0
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	47.4	94.7
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	86.8	86.8
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	92.4	92.4
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	246.0	98.4
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	248.6	99.4
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	573.7	114.7
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1120.3	112.0
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	973.0	97.3

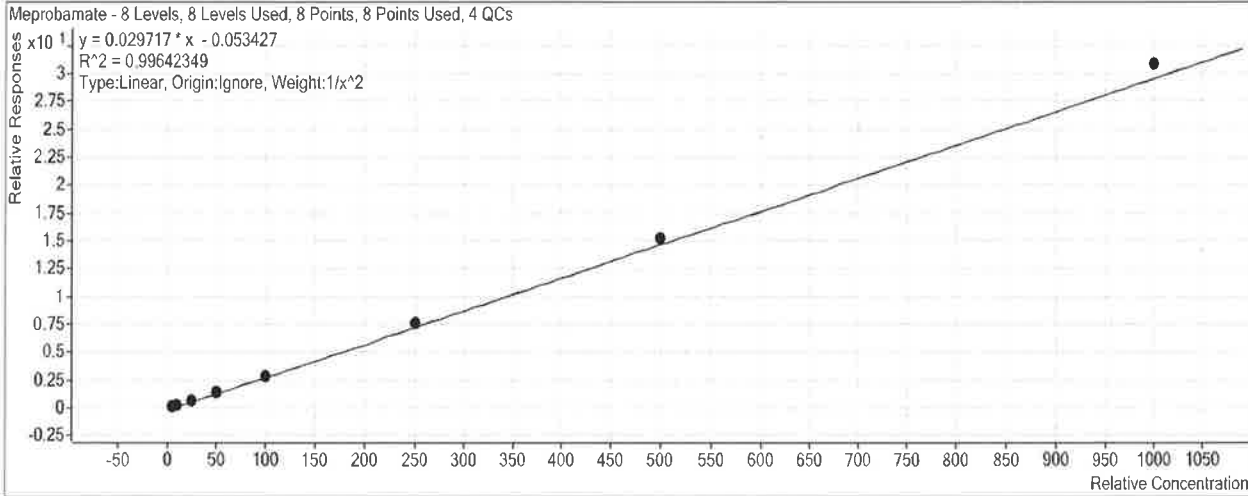
ISP Forensics Calibration Curve Report

D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\120618 MDQ P1 SP\QuantResults\P1a.batch.bin

Last Calib Update 12/11/2018 3:55 PM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.3	105.3
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.0	89.7
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.3	92.9
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	25.0	100.0
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	49.9	99.8
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	95.4	95.4
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	97.8	97.8
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	256.6	102.6
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	267.9	107.2
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	514.9	103.0
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1041.9	104.2
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	955.8	95.6

ISP Forensics Calibration Curve Report

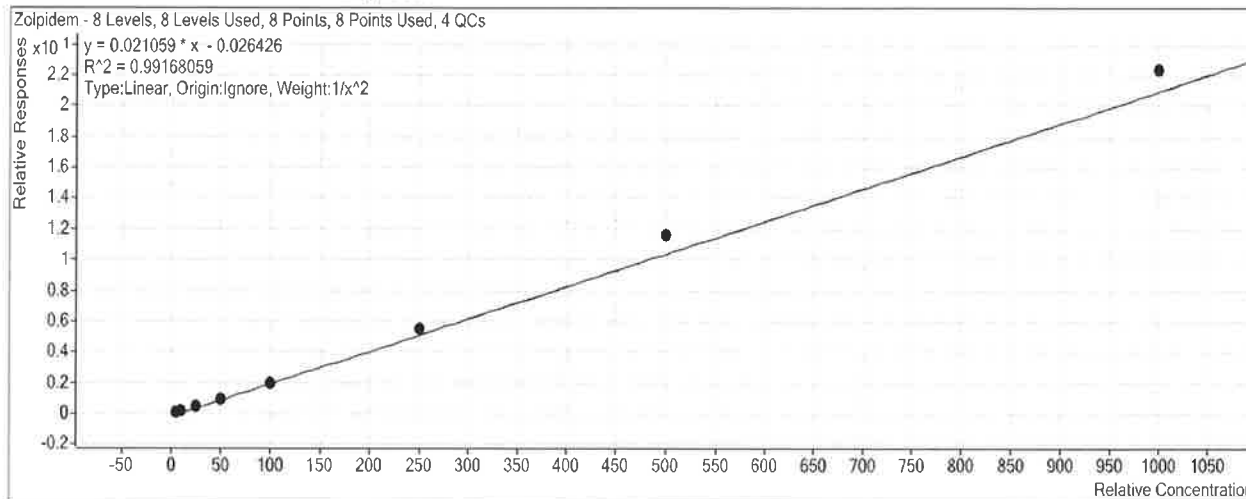
D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\120618 MDQ P1 SP\QuantResults\P1a.batch.bin

Last Calib Update 12/11/2018 3:55 PM

Analyst Name ISP TOX

Target Compound Zolpidem
Internal Standard Zolpidem-D6



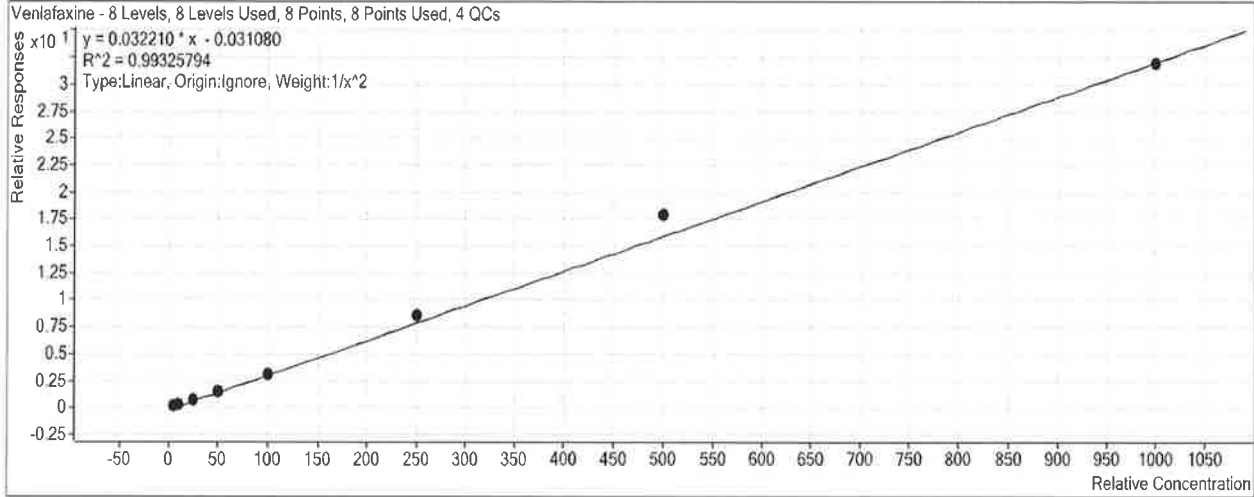
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.3	105.7
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.5	94.6
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.7	96.5
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	22.1	88.4
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	46.5	93.0
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	95.9	95.9
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	95.0	95.0
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	263.8	105.5
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	245.2	98.1
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	552.3	110.5
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1064.5	106.5
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	992.3	99.2

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\120618 MDQ P1 SP\QuantResults\P1a.batch.bin

Last Calib Update 12/11/2018 3:55 PM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.3	105.7
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.3	92.6
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.6	96.5
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.0	92.0
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	47.7	95.4
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	96.9	96.9
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	94.0	94.0
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	266.0	106.4
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	256.8	102.7
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	558.0	111.6
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	994.5	99.4
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	939.3	93.9

ISP Forensics Calibration Curve Report

D

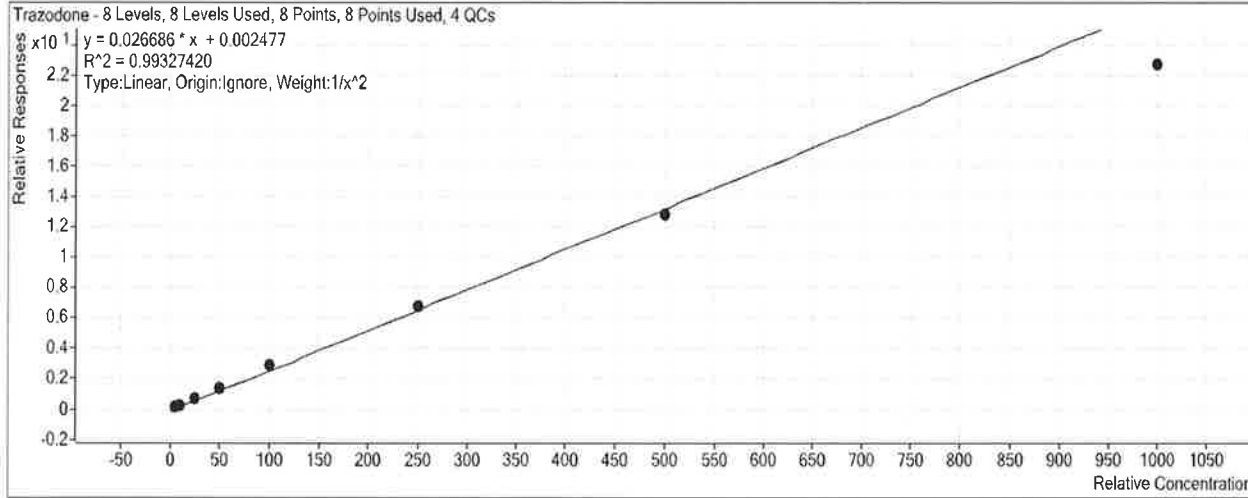
Batch Data Path C:\MassHunter\Data\2018\MD Quant\120618 MDQ P1 SP\QuantResults\P1a.batch.bin

Last Calib Update 12/11/2018 3:55 PM

Analyst Name ISP TOX

Target Compound Trazodone

Internal Standard Trazodone-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	4.8	96.0
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	10.5	105.5
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	11.4	113.7
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	25.6	102.5
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	52.2	104.4
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	107.3	107.3
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	111.1	111.1
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	256.0	102.4
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	264.5	105.8
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	482.6	96.5
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	853.7	85.4
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	860.3	86.0

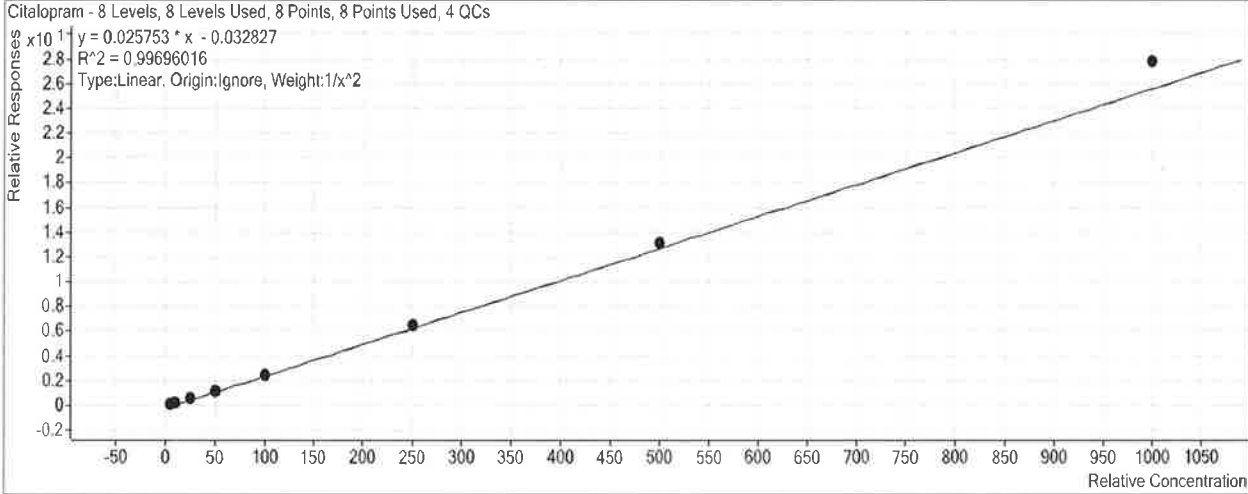
ISP Forensics Calibration Curve Report

D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\120618 MDQ P1 SP\QuantResults\P1a.batch.bin

Last Calib Update 12/11/2018 3:55 PM **Analyst Name** ISP TOX

Target Compound Citalopram
Internal Standard Citalopram-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.1	102.6
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.8	98.4
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.8	97.6
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.2	92.7
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	48.7	97.3
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	96.4	96.4
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	96.8	96.8
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	255.1	102.0
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	251.5	100.6
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	511.4	102.3
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1082.6	108.3
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1061.6	106.2

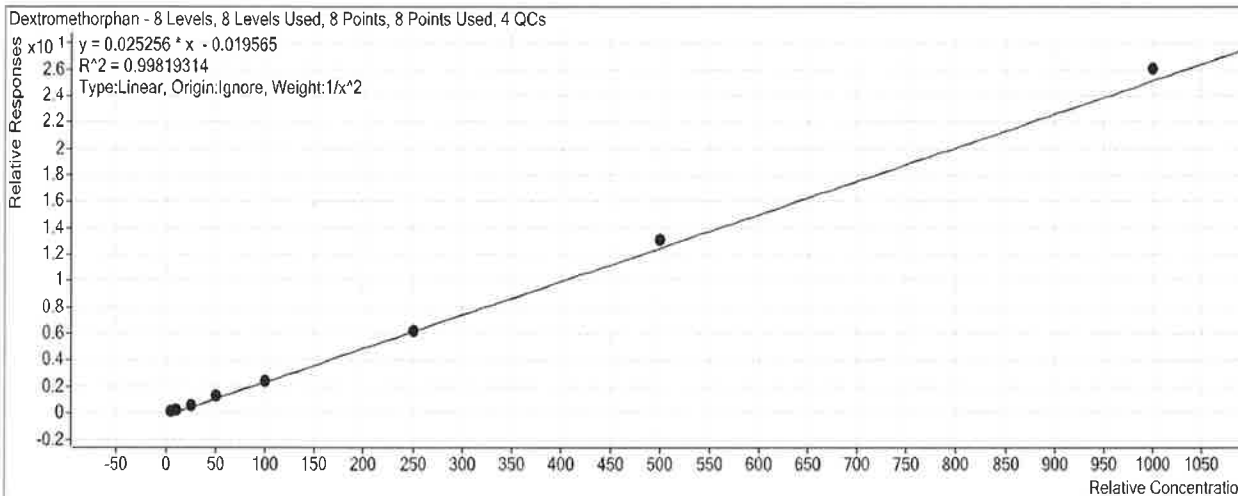
ISP Forensics Calibration Curve Report

P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\120618 MDQ P1 SP\QuantResults\P1a.batch.bin

Last Calib Update 12/11/2018 3:55 PM **Analyst Name** ISP TOX

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



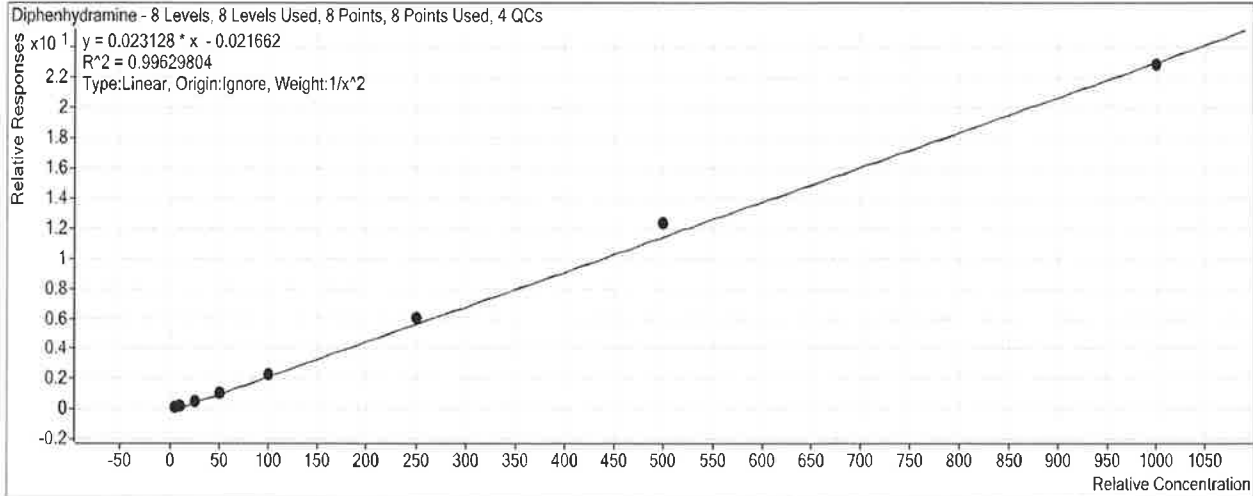
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.0	101.0
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	10.1	100.7
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.6	106.4
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.2	92.9
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	51.1	102.3
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	96.7	96.7
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	101.4	101.4
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	248.0	99.2
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	254.3	101.7
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	519.8	104.0
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1033.4	103.3
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1100.1	110.0

ISP Forensics Calibration Curve Report

B

Batch Data Path C:\MassHunter\Data\2018\MD Quant\120618 MDQ P1 SP\QuantResults\P1a.batch.bin
Last Calib Update 12/11/2018 3:55 PM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.2	103.6
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.7	96.6
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.0	99.5
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	22.9	91.8
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	48.0	95.9
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	100.0	100.0
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	97.2	97.2
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	263.7	105.5
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	262.4	104.9
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	537.6	107.5
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	991.5	99.1
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	982.6	98.3

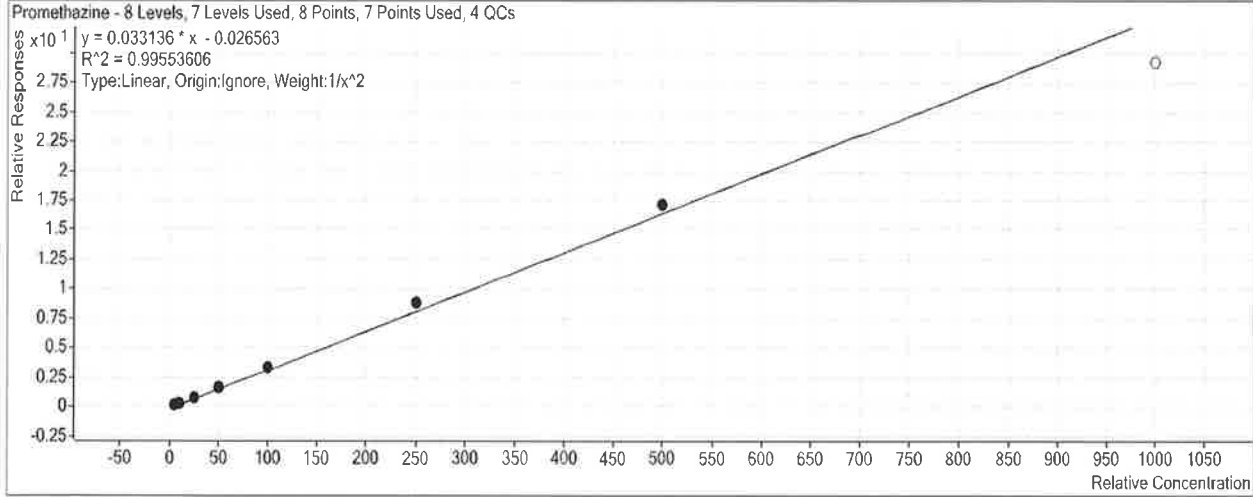
ISP Forensics Calibration Curve Report

P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\120618 MDQ P1 SP\QuantResults\P1a.batch.bin

Last Calib Update 12/11/2018 3:55 PM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.1	102.7
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.9	98.9
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.1	101.0
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	22.4	89.6
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	48.7	97.4
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	100.4	100.4
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	102.3	102.3
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	268.4	107.3
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	276.3	110.5
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	518.7	103.7
a cal 8-1000ng.d	8	<input type="checkbox"/>	1000	883.3	88.3
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	879.1	87.9

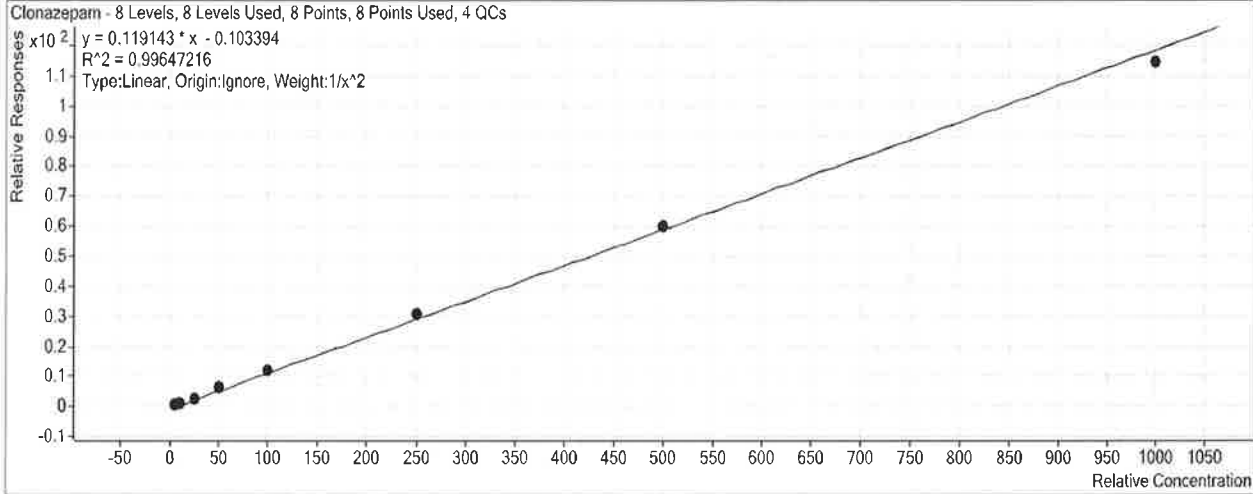
ISP Forensics Calibration Curve Report

D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\120618 MDQ P1 SP\QuantResults\P1a.batch.bin

Last Calib Update 12/11/2018 3:55 PM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.2	103.6
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.4	93.9
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.0	100.3
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.2	92.9
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	53.6	107.3
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	100.9	100.9
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	106.2	106.2
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	260.9	104.4
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	254.7	101.9
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	503.3	100.7
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	964.3	96.4
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	946.3	94.6

ISP Forensics Calibration Curve Report

D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\120618 MDQ P1 SP\QuantResults\P1a.batch.bin

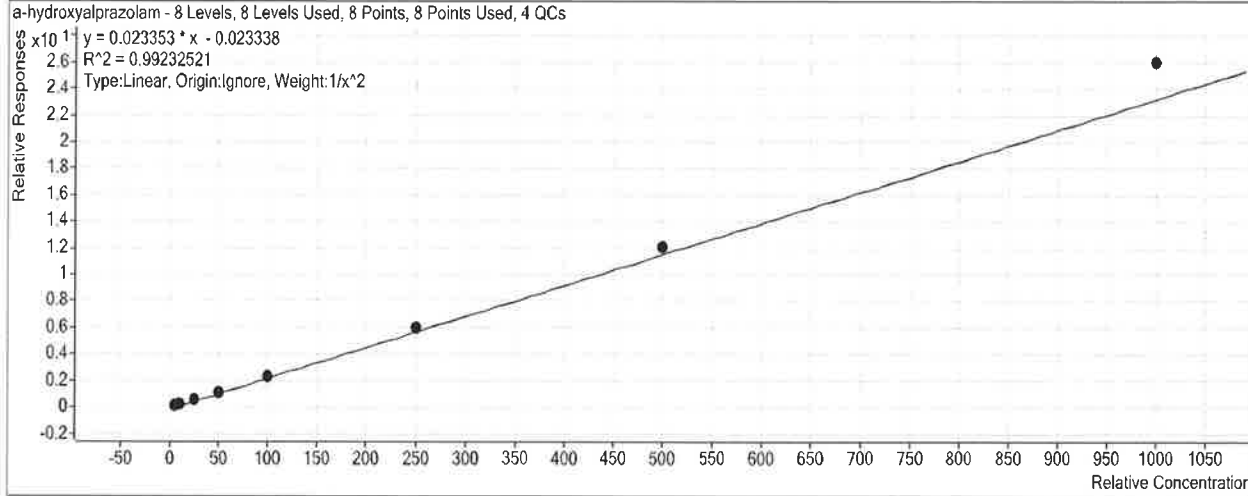
Last Calib Update 12/11/2018 3:55 PM

Analyst Name

ISP TOX

Target Compound *a-hydroxyalprazolam*

Internal Standard *a-hydroxyalprazolam-D5*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.3	106.8
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.1	91.3
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.2	91.7
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	22.6	90.4
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	47.1	94.2
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	98.6	98.6
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	97.0	97.0
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	259.1	103.6
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	249.9	100.0
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	518.7	103.7
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1113.9	111.4
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1202.1	120.2

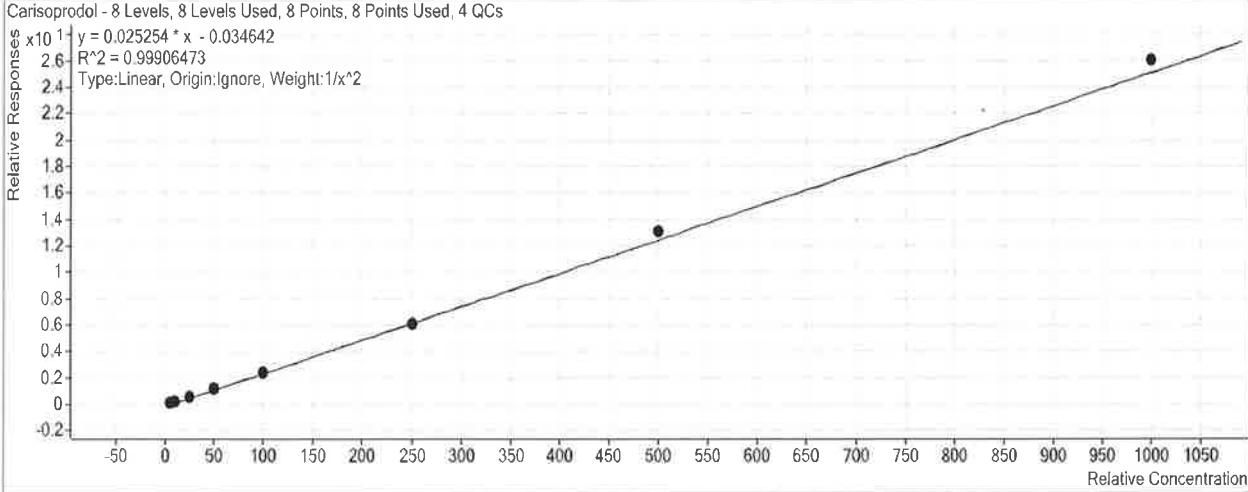
ISP Forensics Calibration Curve Report

R

Batch Data Path C:\MassHunter\Data\2018\MD Quant\120618 MDQ P1 SP\QuantResults\P1a.batch.bin

Last Calib Update 12/11/2018 3:55 PM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.1	101.8
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.7	97.4
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.9	109.4
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	24.6	98.4
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	49.6	99.1
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	97.9	97.9
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	102.2	102.2
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	244.7	97.9
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	258.8	103.5
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	519.8	104.0
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1034.7	103.5
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1103.7	110.4

ISP Forensics Calibration Curve Report

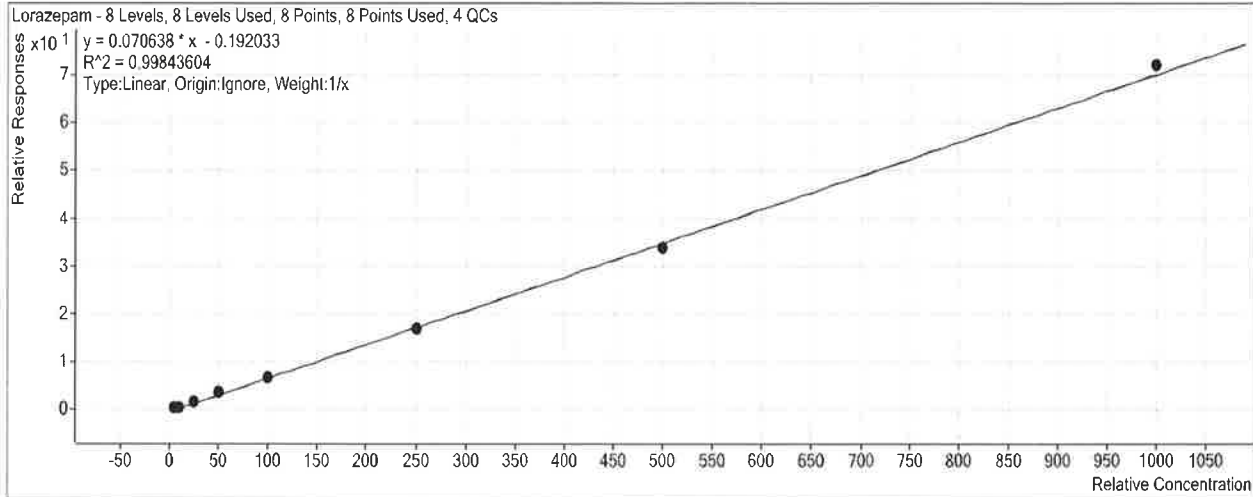


Batch Data Path C:\MassHunter\Data\2018\MD Quant\120618 MDQ P1 SP\QuantResults\P1a.batch.bin

Last Calib Update 12/11/2018 3:55 PM

Analyst Name ISP TOX

Target Compound Lorazepam
Internal Standard Clonazepam-D4



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.8	116.0
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	8.2	81.5
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.9	98.6
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	24.8	99.3
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	55.5	110.9
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	96.2	96.2
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	122.3	122.3
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	243.4	97.4
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	178.0	71.2
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	480.8	96.2
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1025.4	102.5
a QC 1000 (QC 4).d	8	<input type="checkbox"/>	1000	930.5	93.0

ISP Forensics Calibration Curve Report

R

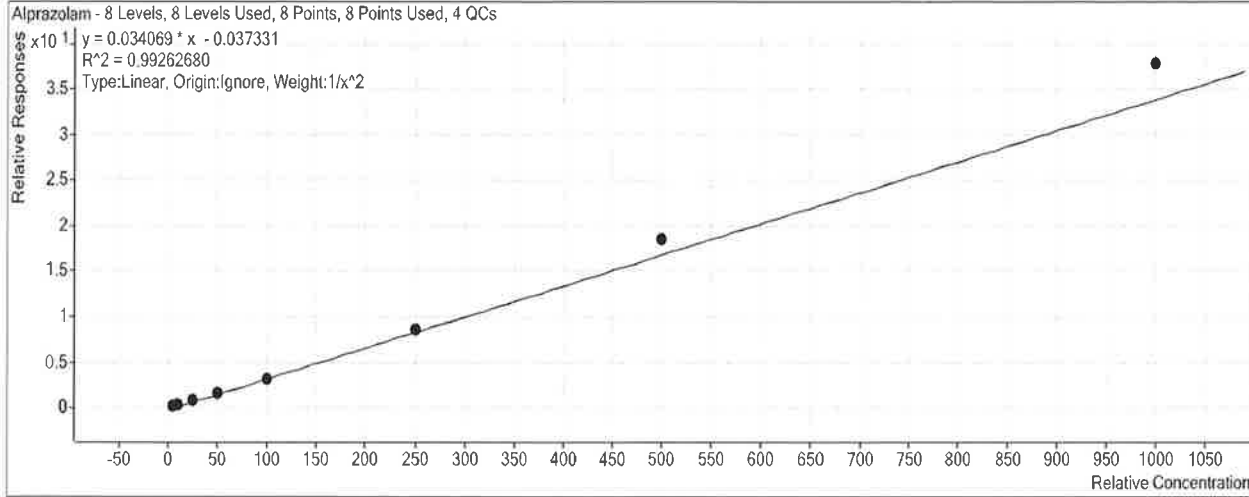
Batch Data Path C:\MassHunter\Data\2018\MD Quant\120618 MDQ P1 SP\QuantResults\P1a.batch.bin

Last Calib Update 12/11/2018 3:55 PM

Analyst Name ISP TOX

Target Compound Alprazolam

Internal Standard Alprazolam-D5



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.2	103.9
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.7	97.0
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.7	97.4
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.1	92.3
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	46.5	93.1
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	92.7	92.7
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	93.4	93.4
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	252.0	100.8
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	247.2	98.9
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	543.8	108.8
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1114.0	111.4
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1103.9	110.4

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

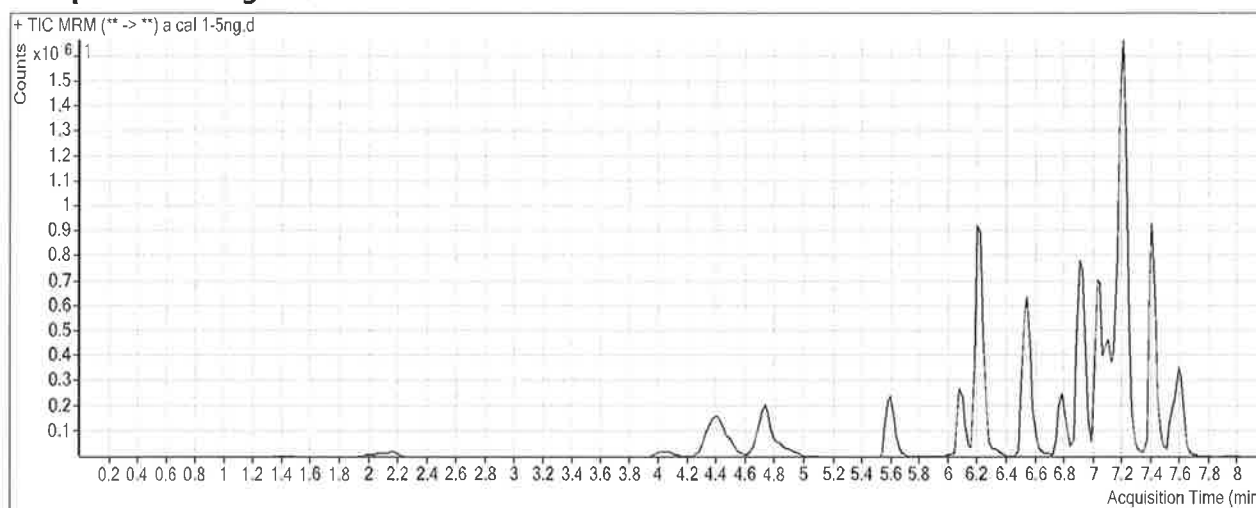
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Analysis Time 12/11/2018 3:55 PM **Analyst Name** ISPUser
Report Time 12/11/2018 4:01 PM **Reporter Name** ISPUser
Last Calib Update 12/11/2018 3:55 PM **Batch State** Processed

Analysis Info

Acq Time 2018-12-06 16:03 **Data File** a cal 1-5ng.d
Sample Type Calibration **Sample Name** a cal 1-5ng.d
Dilution 1 **Acq Method** MD Quant Panel 1a 7-11-18.m
Position P1-H12 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.448	5327	22758	0.2341	5.4385
Hydromorphone	Hydromorphone-D6	2.169	20467	174946	0.1170	5.2229
Codeine	Codeine-D6	4.092	8951	85715	0.1044	5.1235
Oxycodone	Oxycodone-D6	4.450	83174	691128	0.1203	5.2056
Amphetamine	Amphetamine-D11	4.504	190454	554908	0.3432	4.7641
Hydrocodone	Hydrocodone-D6	4.735	32673	400142	0.0817	5.8156
Norhydrocodone	Norhydrocodone-D3	4.778	2555	121512	0.0210	13.1555
Methamphetamine	Methamphetamine-D11	4.841	164659	695746	0.2367	5.1694
6-MAM	6-MAM-D6	4.949	886	65011	0.0136	1.0103
Phentermine	Phentermine-D5	5.646	49488	1049461	0.0472	4.7341
Dextrorphan	Dextrorphan-D3	6.084	47192	890407	0.0530	5.1317
7-aminoclonazepam	7-Aminoclonazepam-D4	6.216	39143	352456	0.1111	5.4058
Tramadol	Tramadol-13C-D3	6.224	248252	26679	9.3050	4.8325
Metoprolol	Tramadol-13C-D3	6.322	27047	26679	1.0138	4.7531
Doxylamine	Doxylamine-D5	6.563	159818	2320996	0.0689	5.2498
Bupropion	Bupropion-D9	6.792	116009	789812	0.1469	5.2557
Meprobamate	Meprobamate-D7	6.914	11420	110850	0.1030	5.2647
Zolpidem	Zolpidem-D6	6.922	231039	2723700	0.0848	5.2828
Venlafaxine	Venlafaxine-D6	7.026	312937	2249257	0.1391	5.2844
Trazodone	Trazodone-D6	7.137	196839	1507450	0.1306	4.8002

D

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report a cal I

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.159	182620	1839327	0.0993	5.1300
Dextromethorphan	Dextromethorphan-D3	7.191	75247	697179	0.1079	5.0481
Diphenhydramine	Diphenhydramine-D3	7.214	356797	3636085	0.0981	5.1793
Promethazine	Promethazine-D3	7.409	379920	2645491	0.1436	5.1356
Clonazepam	Clonazepam-D4	7.465	22704	44180	0.5139	5.1811
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.541	7570	74696	0.1013	5.3388
Carisoprodol	Carisoprodol-D7	7.555	42032	447780	0.0939	5.0887
Lorazepam	Clonazepam-D4	7.584	9618	44180	0.2177	5.8003
Alprazolam	Alprazolam-D5	7.608	120088	859649	0.1397	5.1960

P

ISP FORENSICS - Pocatello Instrument # 59740

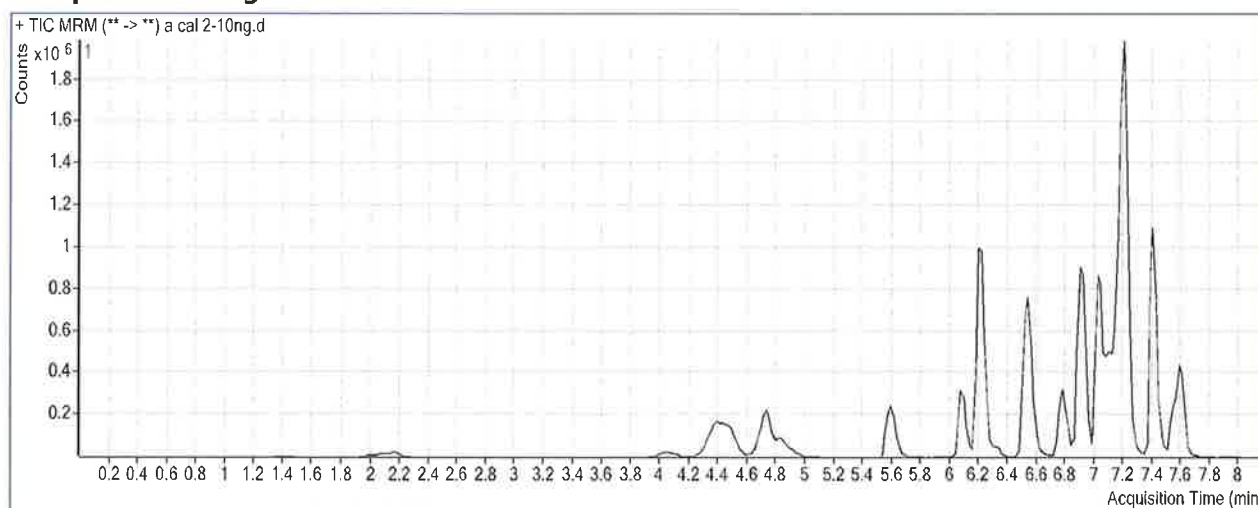
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\120618 MDQ P1 SP\QuantResults\P1a.batch.bin
Analysis Time 12/11/2018 3:55 PM **Analyst Name** ISPUser
Report Time 12/11/2018 4:01 PM **Reporter Name** ISPUser
Last Calib Update 12/11/2018 3:55 PM **Batch State** Processed

Analysis Info

Acq Time 2018-12-06 16:35 **Data File** a cal 2-10ng.d
Sample Type Calibration **Sample Name** a cal 2-10ng.d
Dilution 1 **Acq Method** MD Quant Panel 1a 7-11-18.m
Position P1-G12 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.448	10264	24153	0.4249	9.0020
Hydromorphone	Hydromorphone-D6	2.189	44185	179690	0.2459	9.6244
Codeine	Codeine-D6	4.092	19193	88088	0.2179	9.8578
Oxycodone	Oxycodone-D6	4.450	173066	690665	0.2506	9.4487
Amphetamine	Amphetamine-D11	4.504	381790	548282	0.6963	10.4897
Hydrocodone	Hydrocodone-D6	4.735	64184	426808	0.1504	9.4752
Norhydrocodone	Norhydrocodone-D3	4.798	5487	123460	0.0444	17.2681
Methamphetamine	Methamphetamine-D11	4.841	308515	700539	0.4404	9.7028
6-MAM	6-MAM-D6	4.949	2505	69877	0.0359	1.7118
Phentermine	Phentermine-D5	5.646	114605	1027744	0.1115	10.2301
Dextrophan	Dextrophan-D3	6.084	107678	930477	0.1157	9.8183
7-aminoclonazepam	7-Aminoclonazepam-D4	6.216	82877	360337	0.2300	9.7172
Tramadol	Tramadol-13C-D3	6.224	545535	24477	22.2879	10.8611
Metoprolol	Tramadol-13C-D3	6.322	58386	24477	2.3854	10.9592
Doxylamine	Doxylamine-D5	6.543	344629	2447065	0.1408	9.4392
Bupropion	Bupropion-D9	6.812	241666	811491	0.2978	9.4205
Meprobamate	Meprobamate-D7	6.914	24677	115799	0.2131	8.9689
Zolpidem	Zolpidem-D6	6.922	492254	2847413	0.1729	9.4641
Venlafaxine	Venlafaxine-D6	7.026	651713	2440098	0.2671	9.2570
Trazodone	Trazodone-D6	7.137	451839	1590910	0.2840	10.5498

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Multi-Drug Confirmatory Analysis Report a cal z

D

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.179	417409	1891905	0.2206	9.8418
Dextromethorphan	Dextromethorphan-D3	7.211	172336	734004	0.2348	10.0710
Diphenhydramine	Diphenhydramine-D3	7.214	759526	3766019	0.2017	9.6566
Promethazine	Promethazine-D3	7.409	812024	2697574	0.3010	9.8860
Clonazepam	Clonazepam-D4	7.465	49977	49212	1.0155	9.3915
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.521	16099	84819	0.1898	9.1270
Carisoprodol	Carisoprodol-D7	7.555	98920	467909	0.2114	9.7430
Lorazepam	Clonazepam-D4	7.584	18894	49212	0.3839	8.1537
Alprazolam	Alprazolam-D5	7.608	256624	875022	0.2933	9.7040

RS

ISP FORENSICS - Pocatello Instrument # 59740

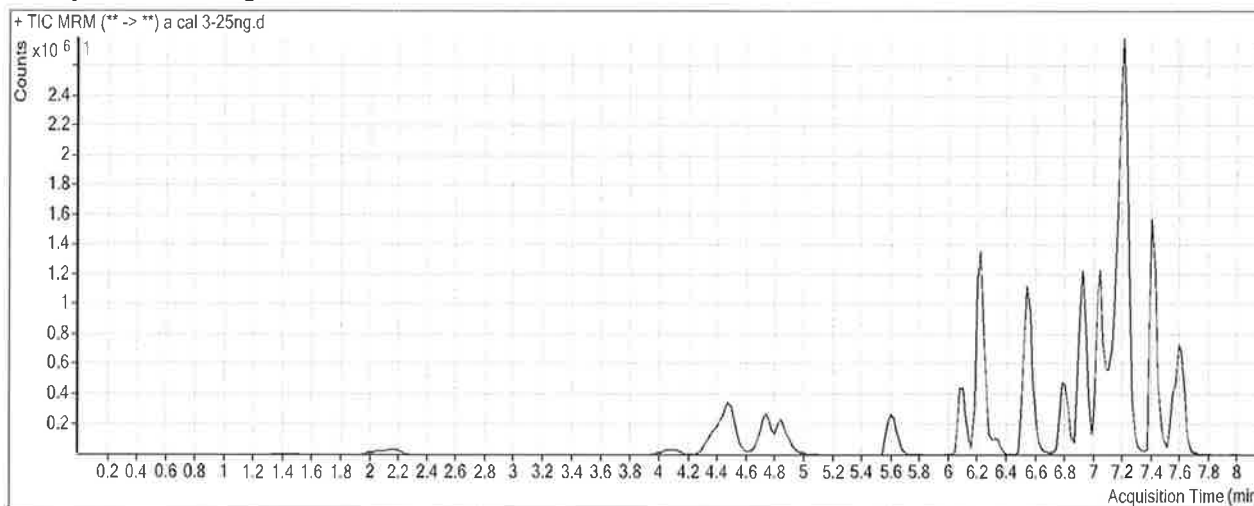
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\120618 MDQ P1 SP\QuantResults\P1a.batch.bin
Analysis Time 12/11/2018 3:55 PM **Analyst Name** ISPUser
Report Time 12/11/2018 4:01 PM **Reporter Name** ISPUser
Last Calib Update 12/11/2018 3:55 PM **Batch State** Processed

Analysis Info

Acq Time 2018-12-06 17:06 **Data File** a cal 3-25ng.d
Sample Type Calibration **Sample Name** a cal 3-25ng.d
Dilution 1 **Acq Method** MD Quant Panel 1a 7-11-18.m
Position P1-F12 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.468	27586	25584	1.0783	21.1976
Hydromorphone	Hydromorphone-D6	2.189	113072	184002	0.6145	22.2110
Codeine	Codeine-D6	4.113	49020	88925	0.5512	23.7693
Oxycodone	Oxycodone-D6	4.450	471573	720319	0.6547	22.6146
Amphetamine	Amphetamine-D11	4.504	967606	582488	1.6612	26.1336
Hydrocodone	Hydrocodone-D6	4.735	176481	434626	0.4061	23.0888
Norhydrocodone	Norhydrocodone-D3	4.778	11067	114551	0.0966	26.4331
Methamphetamine	Methamphetamine-D11	4.841	832479	829150	1.0040	22.2444
6-MAM	6-MAM-D6	4.929	4581	74867	0.0612	2.5115
Phentermine	Phentermine-D5	5.646	313621	1115774	0.2811	24.7112
Dextroprphan	Dextroprphan-D3	6.084	285248	986614	0.2891	22.7744
7-aminoclonazepam	7-Aminoclonazepam-D4	6.236	223670	376590	0.5939	22.9095
Tramadol	Tramadol-13C-D3	6.224	1435418	29334	48.9332	23.2337
Metoprolol	Tramadol-13C-D3	6.322	152445	29334	5.1968	23.6803
Doxylamine	Doxylamine-D5	6.563	935210	2509950	0.3726	22.9290
Bupropion	Bupropion-D9	6.812	620878	768655	0.8077	23.4926
Meprobamate	Meprobamate-D7	6.914	80977	117390	0.6898	25.0109
Zolpidem	Zolpidem-D6	6.922	1266362	2884625	0.4390	22.1012
Venlafaxine	Venlafaxine-D6	7.046	1687946	2378081	0.7098	23.0016
Trazodone	Trazodone-D6	7.137	1142985	1665454	0.6863	25.6240

P

ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report a cal 3

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.179	1077297	1911124	0.5637	23.1633
Dextromethorphan	Dextromethorphan-D3	7.211	431777	761354	0.5671	23.2293
Diphenhydramine	Diphenhydramine-D3	7.234	1913624	3758969	0.5091	22.9478
Promethazine	Promethazine-D3	7.409	2027557	2834450	0.7153	22.3893
Clonazepam	Clonazepam-D4	7.465	138697	52083	2.6630	23.2188
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.541	62512	123981	0.5042	22.5898
Carisoprodol	Carisoprodol-D7	7.575	293510	500098	0.5869	24.6118
Lorazepam	Clonazepam-D4	7.584	81321	52083	1.5614	24.8221
Alprazolam	Alprazolam-D5	7.608	732964	979284	0.7485	23.0649

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

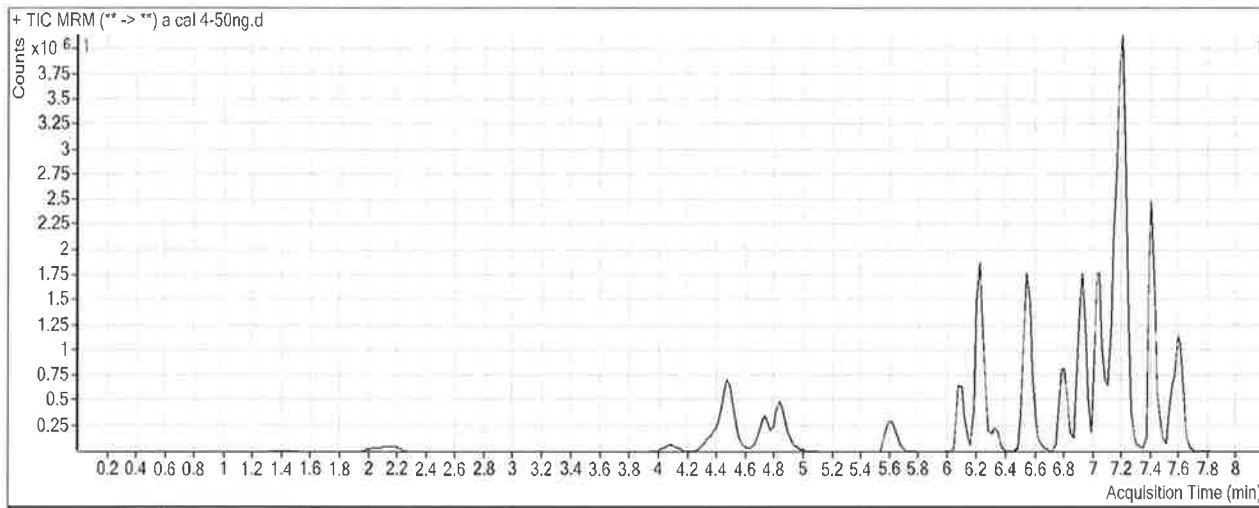
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Analysis Time 12/11/2018 3:55 PM **Analyst Name** ISPUser
Report Time 12/11/2018 4:01 PM **Reporter Name** ISPUser
Last Calib Update 12/11/2018 3:55 PM **Batch State** Processed

Analysis Info

Acq Time 2018-12-06 17:38 **Data File** a cal 4-50ng.d
Sample Type Calibration **Sample Name** a cal 4-50ng.d
Dilution 1 **Acq Method** MD Quant Panel 1a 7-11-18.m
Position P1-E12 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.468	57169	23510	2.4317	46.4628
Hydromorphone	Hydromorphone-D6	2.169	246865	180821	1.3652	47.8447
Codeine	Codeine-D6	4.092	103284	95789	1.0783	45.7616
Oxycodone	Oxycodone-D6	4.450	1066314	716340	1.4886	49.7837
Amphetamine	Amphetamine-D11	4.504	2025048	580842	3.4864	55.7285
Hydrocodone	Hydrocodone-D6	4.735	384598	438654	0.8768	48.1529
Norhydrocodone	Norhydrocodone-D3	4.778	29796	125349	0.2377	51.2186
Methamphetamine	Methamphetamine-D11	4.841	1809142	797001	2.2699	50.4136
6-MAM	6-MAM-D6	4.949	10335	71945	0.1437	5.1152
Phentermine	Phentermine-D5	5.646	652327	1103248	0.5913	51.2022
Dextrophan	Dextrophan-D3	6.102	626691	959432	0.6532	49.9778
7-aminoclonazepam	7-Aminoclonazepam-D4	6.216	498454	373686	1.3339	49.7317
Tramadol	Tramadol-13C-D3	6.224	2984483	27456	108.7013	50.9869
Metoprolol	Tramadol-13C-D3	6.322	332522	27456	12.1112	54.9661
Doxylamine	Doxylamine-D5	6.543	1960529	2441500	0.8030	47.9802
Bupropion	Bupropion-D9	6.812	1342897	802782	1.6728	47.3644
Meprobamate	Meprobamate-D7	6.914	164421	115021	1.4295	49.9018
Zolpidem	Zolpidem-D6	6.922	2748956	2884262	0.9531	46.5128
Venlafaxine	Venlafaxine-D6	7.046	3577167	2376550	1.5052	47.6961
Trazodone	Trazodone-D6	7.137	2375785	1701827	1.3960	52.2192

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Multi-Drug Confirmatory Analysis Report a cal 4

P

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.159	2267323	1857430	1.2207	48.6741
Dextromethorphan	Dextromethorphan-D3	7.191	926062	728135	1.2718	51.1318
Diphenhydramine	Diphenhydramine-D3	7.214	4121553	3789130	1.0877	47.9669
Promethazine	Promethazine-D3	7.409	4369852	2752027	1.5879	48.7214
Clonazepam	Clonazepam-D4	7.465	297133	47267	6.2863	53.6304
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.541	129606	120415	1.0763	47.0880
Carisoprodol	Carisoprodol-D7	7.555	585320	480977	1.2169	49.5597
Lorazepam	Clonazepam-D4	7.584	176117	47267	3.7260	55.4669
Alprazolam	Alprazolam-D5	7.608	1495414	965680	1.5486	46.5492

18

ISP FORENSICS - Pocatello Instrument # 59740

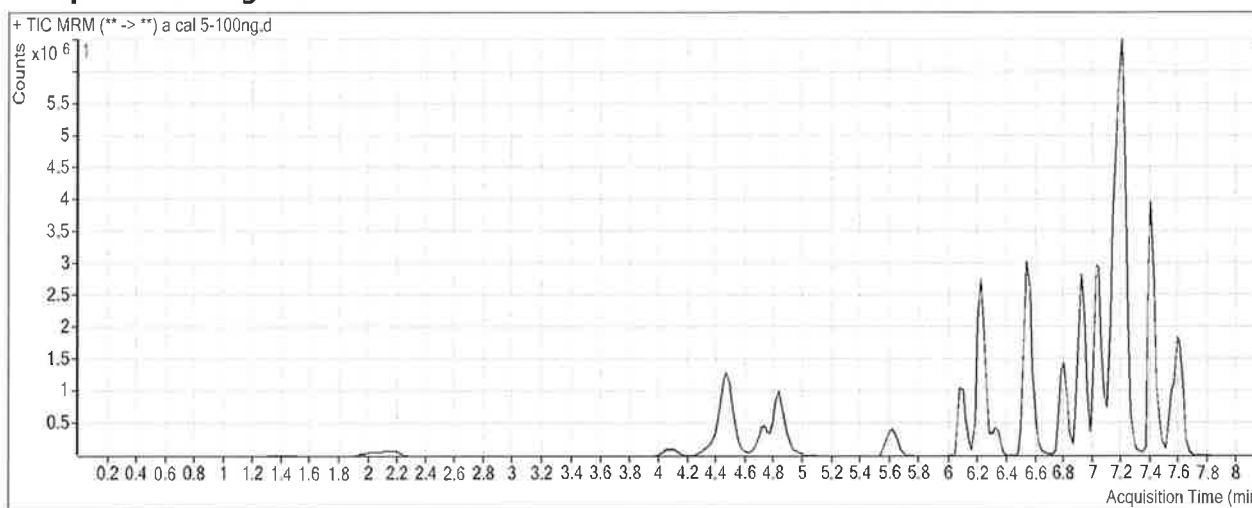
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\120618 MDQ P1 SP\QuantResults\P1a.batch.bin
Analysis Time 12/11/2018 3:55 PM **Analyst Name** ISPUser
Report Time 12/11/2018 4:01 PM **Reporter Name** ISPUser
Last Calib Update 12/11/2018 3:55 PM **Batch State** Processed

Analysis Info

Acq Time 2018-12-06 18:09 **Data File** a cal 5-100ng.d
Sample Type Calibration **Sample Name** a cal 5-100ng.d
Dilution 1 **Acq Method** MD Quant Panel 1a 7-11-18.m
Position P1-D12 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.448	105605	20754	5.0884	96.0558
Hydromorphone	Hydromorphone-D6	2.169	496015	173145	2.8647	99.0452
Codeine	Codeine-D6	4.092	207813	87124	2.3853	100.3041
Oxycodone	Oxycodone-D6	4.450	2145635	709421	3.0245	99.8263
Amphetamine	Amphetamine-D11	4.484	3867519	576153	6.7127	108.0398
Hydrocodone	Hydrocodone-D6	4.735	793966	420404	1.8886	102.0285
Norhydrocodone	Norhydrocodone-D3	4.778	57091	112523	0.5074	98.5914
Methamphetamine	Methamphetamine-D11	4.841	3671166	790301	4.6453	103.2694
6-MAM	6-MAM-D6	4.949	19231	68777	0.2796	9.4077
Phentermine	Phentermine-D5	5.646	1271980	1092449	1.1643	100.1415
Dextrophan	Dextrophan-D3	6.084	1245187	937919	1.3276	100.3701
7-aminoclonazepam	7-Aminoclonazepam-D4	6.216	927260	338934	2.7358	100.5501
Tramadol	Tramadol-13C-D3	6.224	5930210	26691	222.1763	103.6788
Metoprolol	Tramadol-13C-D3	6.322	634063	26691	23.7553	107.6527
Doxylamine	Doxylamine-D5	6.543	3864773	2432922	1.5885	93.7015
Bupropion	Bupropion-D9	6.812	2379618	767168	3.1018	86.7988
Meprobamate	Meprobamate-D7	6.914	317358	114139	2.7805	95.3632
Zolpidem	Zolpidem-D6	6.922	5582988	2802533	1.9921	95.8519
Venlafaxine	Venlafaxine-D6	7.026	7284341	2357251	3.0902	96.9048
Trazodone	Trazodone-D6	7.137	4657566	1625403	2.8655	107.2832

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report a cal 5

P

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.159	4266296	1741510	2.4498	96.4003
Dextromethorphan	Dextromethorphan-D3	7.191	1791285	739740	2.4215	96.6525
Diphenhydramine	Diphenhydramine-D3	7.214	8037592	3509026	2.2905	99.9731
Promethazine	Promethazine-D3	7.409	8496310	2575680	3.2987	100.3511
Clonazepam	Clonazepam-D4	7.465	591123	49617	11.9137	100.8629
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.541	248033	108772	2.2803	98.6428
Carisoprodol	Carisoprodol-D7	7.555	1018783	417875	2.4380	97.9113
Lorazepam	Clonazepam-D4	7.584	327574	49617	6.6021	96.1819
Alprazolam	Alprazolam-D5	7.608	2827220	905551	3.1221	92.7358

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

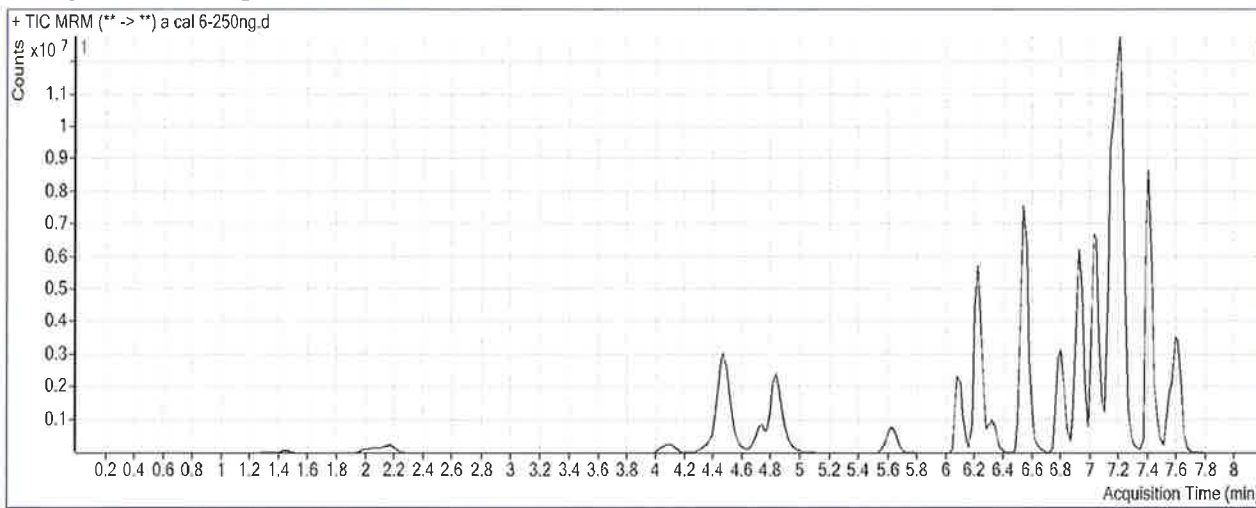
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Report Time 12/11/2018 4:02 PM **Reporter Name** ISPUser
Last Calib Update 12/11/2018 3:55 PM **Batch State** Processed

Analysis Info

Acq Time 2018-12-06 18:41 **Data File** a cal 6-250ng.d
Sample Type Calibration **Sample Name** a cal 6-250ng.d
Dilution 1 **Acq Method** MD Quant Panel 1a 7-11-18.m
Position P1-C12 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.448	298214	22738	13.1149	245.8909
Hydromorphone	Hydromorphone-D6	2.169	1312702	174479	7.5235	258.1214
Codeine	Codeine-D6	4.092	513665	87129	5.8954	246.7849
Oxycodone	Oxycodone-D6	4.450	5397999	695914	7.7567	254.0080
Amphetamine	Amphetamine-D11	4.484	8813420	578527	15.2342	246.2106
Hydrocodone	Hydrocodone-D6	4.735	1899804	411846	4.6129	247.0892
Norhydrocodone	Norhydrocodone-D3	4.778	117494	94425	1.2443	228.0495
Methamphetamine	Methamphetamine-D11	4.841	9212762	810071	11.3728	252.9693
6-MAM	6-MAM-D6	4.929	50203	65912	0.7617	24.6269
Phentermine	Phentermine-D5	5.646	3038022	1046343	2.9035	248.6630
Dextrophan	Dextrophan-D3	6.084	3055584	924966	3.3035	248.0055
7-aminoclonazepam	7-Aminoclonazepam-D4	6.216	2125210	299670	7.0918	258.4505
Tramadol	Tramadol-13C-D3	6.224	15177292	26577	571.0783	265.6906
Metoprolol	Tramadol-13C-D3	6.322	1455464	26577	54.7650	247.9638
Doxylamine	Doxylamine-D5	6.543	10463732	2382522	4.3919	256.8681
Bupropion	Bupropion-D9	6.812	5859450	660403	8.8725	246.0451
Meprobamate	Meprobamate-D7	6.914	783829	103515	7.5721	256.6087
Zolpidem	Zolpidem-D6	6.922	14728422	2664127	5.5284	263.7752
Venlafaxine	Venlafaxine-D6	7.026	18929649	2217673	8.5358	265.9734
Trazodone	Trazodone-D6	7.137	11155524	1632385	6.8339	255.9879

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

a cal b

F

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.159	9687125	1481994	6.5365	255.0918
Dextromethorphan	Dextromethorphan-D3	7.191	4154937	665495	6.2434	247.9766
Diphenhydramine	Diphenhydramine-D3	7.214	19380062	3188850	6.0774	263.7075
Promethazine	Promethazine-D3	7.409	21422803	2416311	8.8659	268.3632
Clonazepam	Clonazepam-D4	7.465	1235533	39873	30.9867	260.9466
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.541	512537	85030	6.0277	259.1100
Carisoprodol	Carisoprodol-D7	7.555	2052983	334027	6.1462	244.7453
Lorazepam	Clonazepam-D4	7.584	677865	39873	17.0006	243.3905
Alprazolam	Alprazolam-D5	7.608	6270722	733664	8.5471	251.9717

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

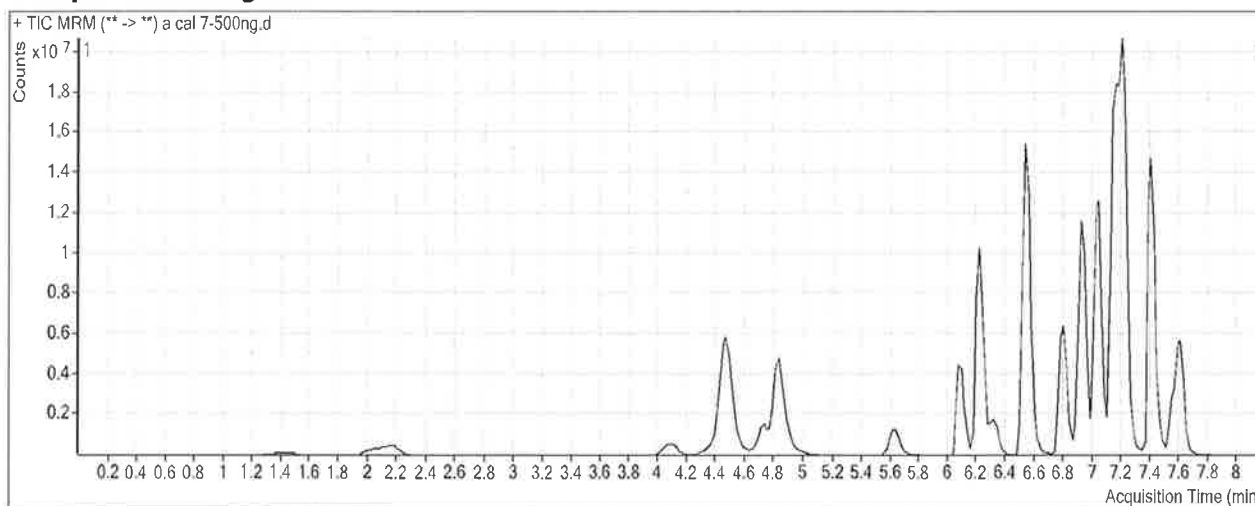
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Report Time 12/11/2018 4:02 PM **Reporter Name** ISPUser
Last Calib Update 12/11/2018 3:55 PM **Batch State** Processed

Analysis Info

Acq Time 2018-12-06 19:12 **Data File** a cal 7-500ng.d
Sample Type Calibration **Sample Name** a cal 7-500ng.d
Dilution 1 **Acq Method** MD Quant Panel 1a 7-11-18.m
Position P1-B12 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.448	651628	22003	29.6151	553.9052
Hydromorphone	Hydromorphone-D6	2.169	2717319	184738	14.7091	503.4731
Codeine	Codeine-D6	4.092	1014781	82088	12.3621	516.6422
Oxycodone	Oxycodone-D6	4.450	11422876	705155	16.1991	529.0725
Amphetamine	Amphetamine-D11	4.484	15968712	564006	28.3130	458.2734
Hydrocodone	Hydrocodone-D6	4.735	3861814	421123	9.1703	489.7550
Norhydrocodone	Norhydrocodone-D3	4.778	228795	82021	2.7895	499.4863
Methamphetamine	Methamphetamine-D11	4.841	18070854	793204	22.7821	506.8489
6-MAM	6-MAM-D6	4.949	107481	71555	1.5021	48.0027
Phentermine	Phentermine-D5	5.646	5759421	944822	6.0958	521.2859
Dextroprphan	Dextroprphan-D3	6.084	6256781	911454	6.8646	514.0951
7-aminoclonazepam	7-Aminoclonazepam-D4	6.216	3750785	270739	13.8539	503.5669
Tramadol	Tramadol-13C-D3	6.224	30482395	28245	1079.2225	501.6461
Metoprolol	Tramadol-13C-D3	6.322	2616187	28245	92.6255	419.2735
Doxylamine	Doxylamine-D5	6.543	23092402	2467647	9.3581	545.9223
Bupropion	Bupropion-D9	6.812	12267530	591337	20.7454	573.6833
Meprobamate	Meprobamate-D7	6.914	1452052	95235	15.2470	514.8783
Zolpidem	Zolpidem-D6	6.922	30164722	2599491	11.6041	552.2815
Venlafaxine	Venlafaxine-D6	7.046	37939211	2114583	17.9417	557.9945
Trazodone	Trazodone-D6	7.137	20881712	1621175	12.8806	482.5721

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Multi-Drug Confirmatory Analysis Report a cal 7

P

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.159	15538133	1182693	13.1379	511.4261
Dextromethorphan	Dextromethorphan-D3	7.191	7547088	575712	13.1091	519.8219
Diphenhydramine	Diphenhydramine-D3	7.234	35103102	2828101	12.4122	537.6057
Promethazine	Promethazine-D3	7.409	40342089	2350992	17.1596	518.6558
Clonazepam	Clonazepam-D4	7.465	2004418	33487	59.8566	503.2591
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.541	812131	67172	12.0903	518.7142
Carisoprodol	Carisoprodol-D7	7.575	3302681	252277	13.0915	519.7642
Lorazepam	Clonazepam-D4	7.584	1130829	33487	33.7692	480.7786
Alprazolam	Alprazolam-D5	7.608	10849947	586814	18.4896	543.8031

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ISP FORENSICS - Pocatello Instrument # 59740

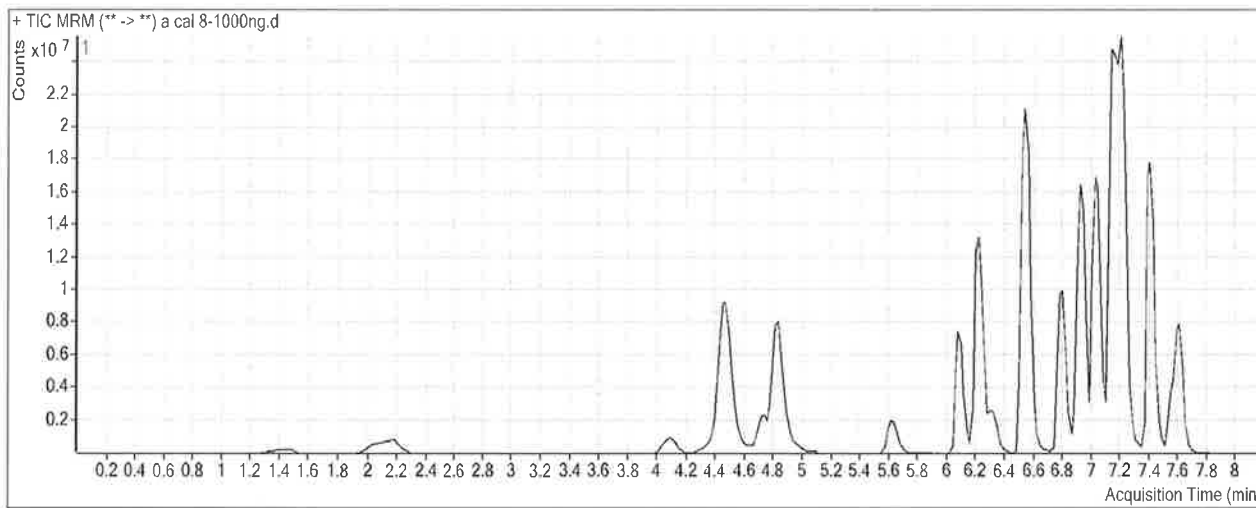
Multi-Drug Confirmatory Analysis Report

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Report Time 12/11/2018 4:02 PM **Reporter Name** ISPUser
Last Calib Update 12/11/2018 3:55 PM **Batch State** Processed

Analysis Info

Acq Time 2018-12-06 19:44 **Data File** a cal 8-1000ng.d
Sample Type Calibration **Sample Name** a cal 8-1000ng.d
Dilution 1 **Acq Method** MD Quant Panel 1a 7-11-18.m
Position P1-A12 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.448	1146908	18114	63.3156	1183.0051
Hydromorphone	Hydromorphone-D6	2.169	4783575	146288	32.6998	1117.7708
Codeine	Codeine-D6	4.092	1643503	62390	26.3423	1100.0444
Oxycodone	Oxycodone-D6	4.450	21083201	623009	33.8409	1103.8658
Amphetamine	Amphetamine-D11	4.484	25924617	490313	52.8736	856.5049
Hydrocodone	Hydrocodone-D6	4.735	6627290	348309	19.0270	1014.5947
Norhydrocodone	Norhydrocodone-D3	4.778	371603	64521	5.7594	1021.2212
Methamphetamine	Methamphetamine-D11	4.841	32375826	692961	46.7210	1039.5350
6-MAM	6-MAM-D6	4.929	198494	57991	3.4228	108.6445
Phentermine	Phentermine-D5	5.626	9420062	822296	11.4558	979.0320
Dextrophan	Dextrophan-D3	6.084	10549548	746309	14.1356	1057.3846
7-aminoclonazepam	7-Aminoclonazepam-D4	6.216	5127649	188074	27.2640	989.6683
Tramadol	Tramadol-13C-D3	6.224	46089954	23914	1927.3340	895.4647
Metoprolol	Tramadol-13C-D3	6.322	3814955	23914	159.5292	721.9957
Doxylamine	Doxylamine-D5	6.543	38489161	2090207	18.4140	1073.0199
Bupropion	Bupropion-D9	6.812	20549989	506749	40.5526	1120.2732
Meprobamate	Meprobamate-D7	6.914	2241839	72534	30.9074	1041.8690
Zolpidem	Zolpidem-D6	6.922	47790167	2134270	22.3918	1064.5424
Venlafaxine	Venlafaxine-D6	7.026	55658524	1739255	32.0014	994.4996
Trazodone	Trazodone-D6	7.137	30227661	1326649	22.7850	853.7106

D

a cal 8

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

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.159	21799065	782824	27.8467	1082.5740
Dextromethorphan	Dextromethorphan-D3	7.191	10622554	407306	26.0800	1033.3940
Diphenhydramine	Diphenhydramine-D3	7.234	47420074	2069927	22.9091	991.4569
Promethazine	Promethazine-D3	7.409	50539677	1728276	29.2428	883.3116
Clonazepam	Clonazepam-D4	7.465	2637808	22979	114.7905	964.3332
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.541	1128317	43414	25.9897	1113.8900
Carisoprodol	Carisoprodol-D7	7.575	4199884	160945	26.0951	1034.6775
Lorazepam	Clonazepam-D4	7.584	1660039	22979	72.2406	1025.4060
Alprazolam	Alprazolam-D5	7.608	15900883	419391	37.9142	1113.9575

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

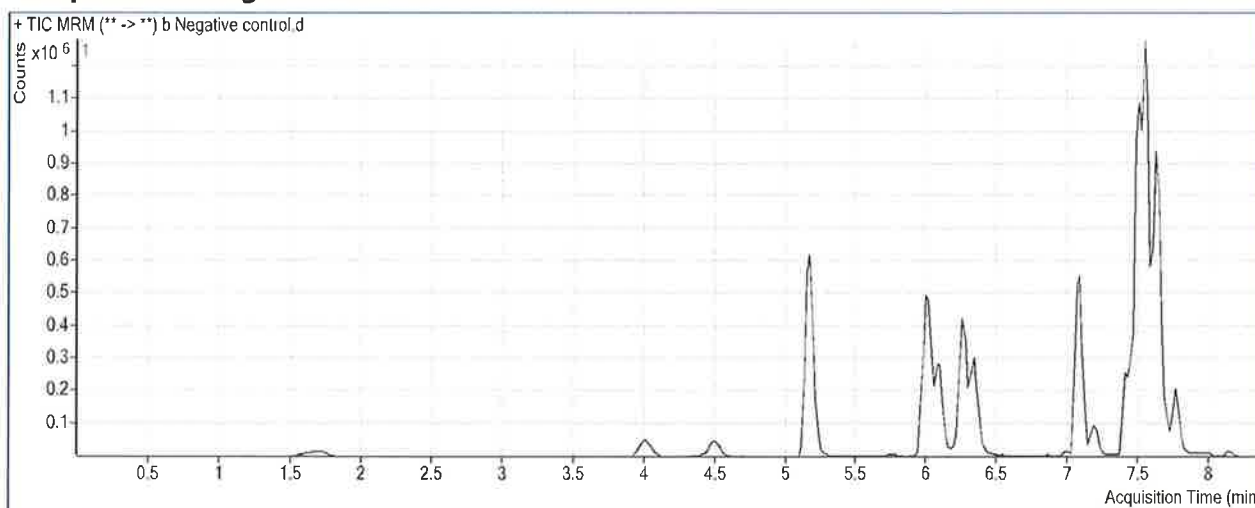
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Report Time 12/11/2018 4:08 PM **Reporter Name** ISPUser
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Analysis Info

Acq Time 2018-12-06 21:03 **Data File** b Negative control.d
Sample Type Sample **Sample Name** b Negative control.d
Dilution 1 **Acq Method** MD Quant Panel 1b 7-11-18.m
Position P1-D11 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

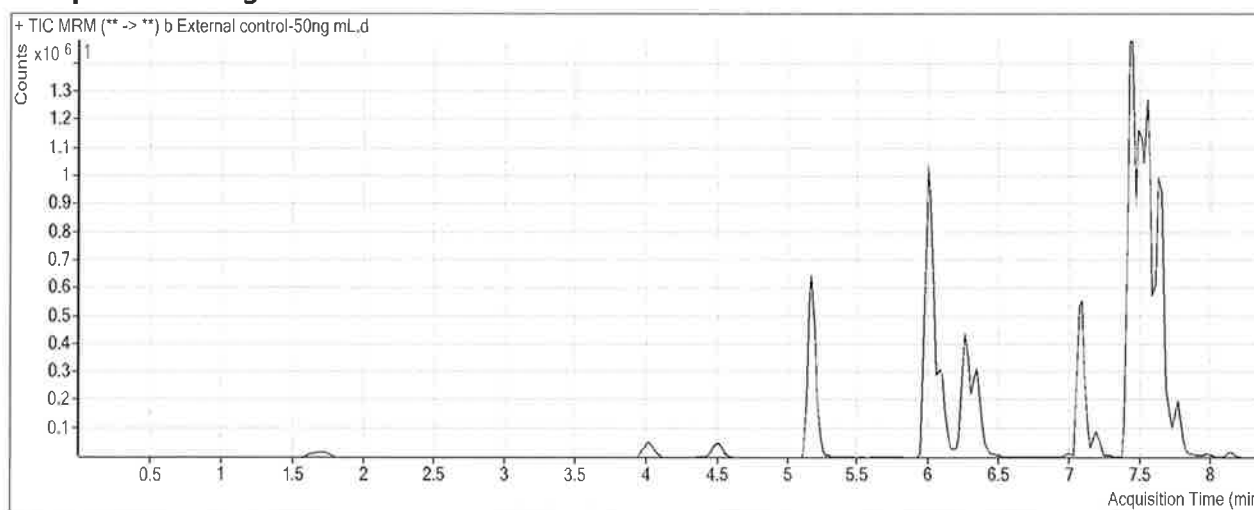
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Report Time 12/11/2018 4:08 PM **Reporter Name** ISPUser
Last Calib Update 12/11/2018 3:52 PM **Batch State** Processed

Analysis Info

Acq Time 2018-12-06 21:34 **Data File** b External control-50ng mL.d
Sample Type Sample **Sample Name** b External control-50ng mL.d
Dilution 1 **Acq Method** MD Quant Panel 1b 7-11-18.m
Position P1-C11 **Sample Info**
Inj Vol -1 **Comment** AM 28; WS121217 50 ng trazodone, ketamine, morphine, quetiapine

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Ketamine	Ketamine-D4	6.002	1746200	1150484	1.5178	58.2424
Quetiapine	Quetiapine-D8	7.418	3038033	891949	3.4061	41.7769

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

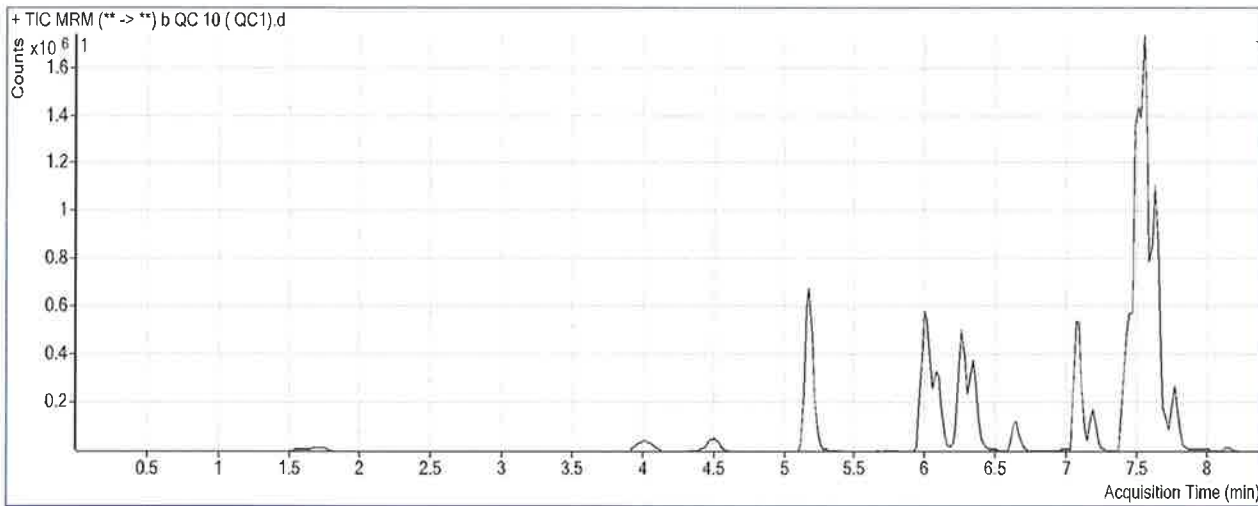
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Report Time 12/11/2018 4:08 PM **Reporter Name** ISUser
Last Calib Update 12/11/2018 3:52 PM **Batch State** Processed

Analysis Info

Acq Time 2018-12-06 22:37 **Data File** b QC 10 (QC1).d
Sample Type QC **Sample Name** b QC 10 (QC1).d
Dilution 1 **Acq Method** MD Quant Panel 1b 7-11-18.m
Position P1-H11 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.728	43704	186213	0.2347	9.0781
Dihydrocodeine	Dihydrocodeine-D6	4.051	50323	281722	0.1786	10.3138
Noroxycodone	Noroxycodone-D3	4.533	71820	276851	0.2594	9.4023
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.181	487579	2378821	0.2050	10.0108
Benzoylcegonine	Benzoylcegonine-d8	5.791	3410	22600	0.1509	11.7986 DNE
Ketamine	Ketamine-D4	6.002	260526	1073287	0.2427	10.1715
Norfentanyl	Norfentanyl-D5	6.041	25003	1347818	0.0186	1.5540 outside curve range
Cocaine	Cocaine-d3	6.252	128383	1521510	0.0844	10.2087
alpha-PVP	alpha-PVP-d8	6.348	188484	1063006	0.1773	9.6896
Mirtazapine	alpha-PVP-d8	6.644	275454	1063006	0.2591	10.2091
Norbuprenorphine	Norbuprenorphine-D3	7.015	491	39409	0.0125	0.3152 outside curve range
Fentanyl	Fentanyl-D5	7.079	30257	2043649	0.0148	0.9184
Mitragynine	EDDP-D3	7.176	141874	298013	0.4761	9.1998
EDDP	EDDP-D3	7.188	51902	298013	0.1742	10.2903
Quetiapine	Quetiapine-D8	7.418	658444	826610	0.7966	10.3438
Cyclobenzaprine	Cyclobenzaprine-D3	7.472	258847	984743	0.2629	11.3251
Methadone	Methadone-D9	7.502	934209	2996013	0.3118	10.3661
Fluoxetine	Fluoxetine-D6	7.542	956746	3792390	0.2523	10.6988
Oxazepam	Oxazepam-D5	7.588	18578	104561	0.1777	10.1362

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report *bQC10*

P

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Sertraline	Sertraline-D3	7.604	319902	1614552	0.1981	9.8704
Temazepam	Temazepam-D5	7.647	170386	892056	0.1910	9.8786
Buprenorphine	Buprenorphine-D4	7.697	21611	578944	0.0373	1.6761
Nordiazepam	Nordiazepam-D5	7.715	54180	146700	0.3693	10.6354
Diazepam	Diazepam-D5	7.771	118708	541519	0.2192	10.3334

outside curve range

P

ISP FORENSICS - Pocatello Instrument # 59740

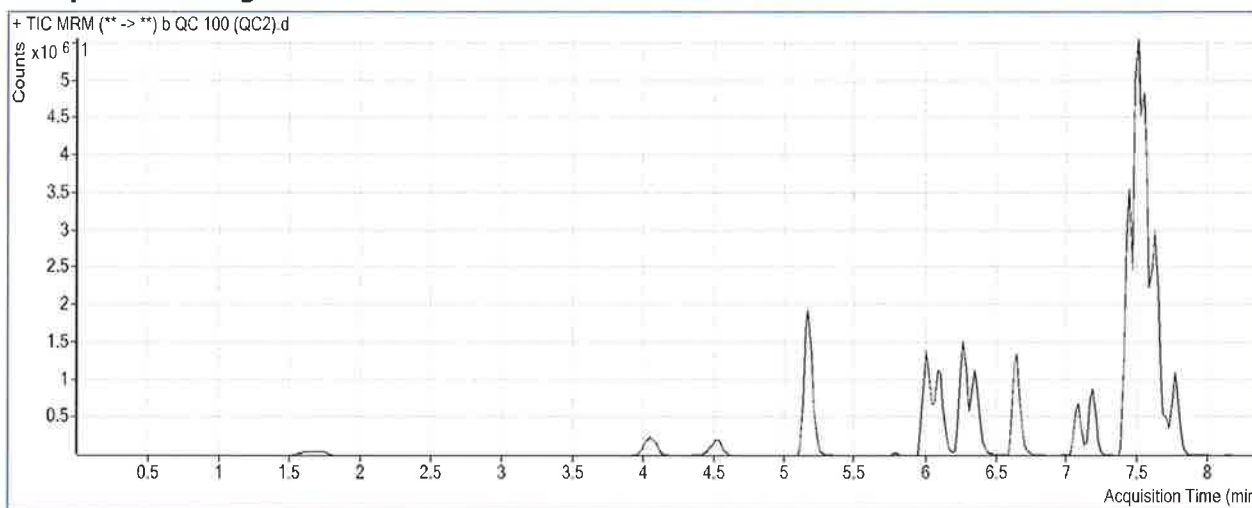
Multi-Drug Confirmatory Analysis Report

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Report Time 12/11/2018 4:08 PM **Reporter Name** ISPUser
Last Calib Update 12/11/2018 3:52 PM **Batch State** Processed

Analysis Info

Acq Time 2018-12-07 00:59 **Data File** b QC 100 (QC2).d
Sample Type QC **Sample Name** b QC 100 (QC2).d
Dilution 1 **Acq Method** MD Quant Panel 1b 7-11-18.m
Position P1-G11 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.728	526010	186950	2.8136	96.8457
Dihydrocodeine	Dihydrocodeine-D6	4.051	587099	292793	2.0052	101.7631
Noroxycodone	Noroxycodone-D3	4.533	804986	271464	2.9653	94.8925
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.181	5458362	2442891	2.2344	98.9253
Benzoylcegonine	Benzoylcegonine-d8	5.771	40896	21437	1.9077	99.8689 DNE
Ketamine	Ketamine-D4	6.002	2892416	1105185	2.6171	99.6885
Norfentanyl	Norfentanyl-D5	6.044	260781	1261608	0.2067	9.2650
Cocaine	Cocaine-d3	6.252	1290836	1545715	0.8351	91.7444
alpha-PVP	alpha-PVP-d8	6.348	1859101	1029094	1.8065	96.6065
Mirtazapine	alpha-PVP-d8	6.644	3044186	1029094	2.9581	101.1470
Norbuprenorphine	Norbuprenorphine-D3	6.994	6752	40250	0.1677	8.1253
Fentanyl	Fentanyl-D5	7.079	342457	1970112	0.1738	9.1743
Mitragynine	EDDP-D3	7.176	1479579	281889	5.2488	100.4644
EDDP	EDDP-D3	7.188	602446	281889	2.1372	88.8670
Quetiapine	Quetiapine-D8	7.438	6757434	793308	8.5180	103.3540
Cyclobenzaprine	Cyclobenzaprine-D3	7.472	2576217	931334	2.7662	101.6522
Methadone	Methadone-D9	7.502	9800928	2926358	3.3492	104.0265
Fluoxetine	Fluoxetine-D6	7.542	8368143	3156498	2.6511	107.4712
Oxazepam	Oxazepam-D5	7.588	190482	100139	1.9022	94.1187

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report bQC 100

P

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Sertraline	Sertraline-D3	7.625	2619076	1335548	1.9611	88.2062
Temazepam	Temazepam-D5	7.647	1809514	899192	2.0124	91.9185
Buprenorphine	Buprenorphine-D4	7.697	231845	528419	0.4388	9.1753
Nordiazepam	Nordiazepam-D5	7.715	618196	145012	4.2631	105.3869
Diazepam	Diazepam-D5	7.771	1254913	506780	2.4762	94.8180

R

ISP FORENSICS - Pocatello Instrument # 59740

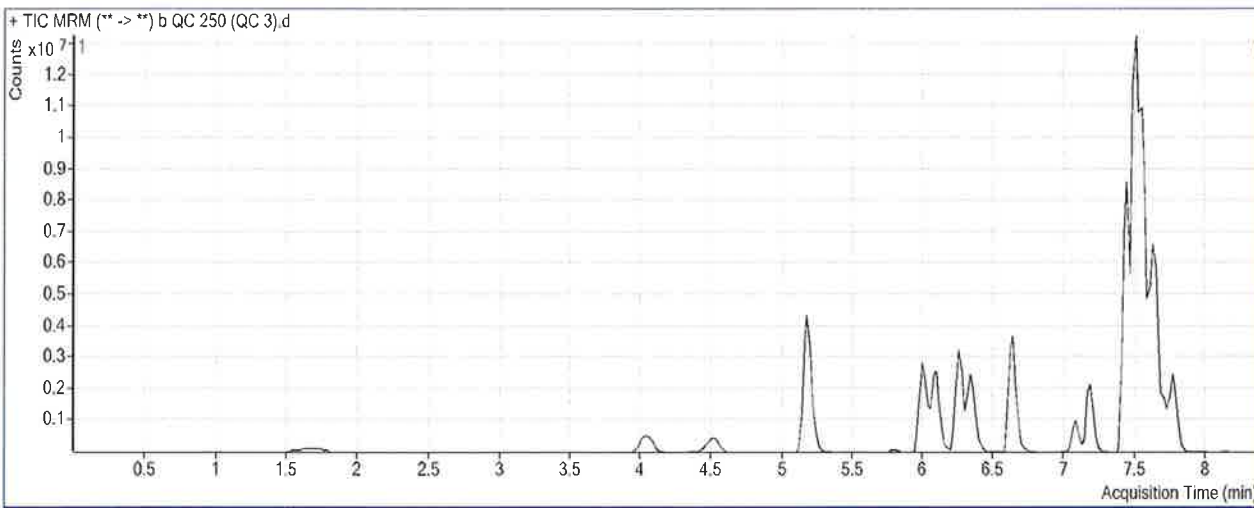
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\120618 MDQ P1 SP\QuantResults\P1b.batch.bin
Analysis Time 12/11/2018 3:52 PM **Analyst Name** ISPUser
Report Time 12/11/2018 4:08 PM **Reporter Name** ISPUser
Last Calib Update 12/11/2018 3:52 PM **Batch State** Processed

Analysis Info

Acq Time 2018-12-07 04:57 **Data File** b QC 250 (QC 3).d
Sample Type QC **Sample Name** b QC 250 (QC 3).d
Dilution 1 **Acq Method** MD Quant Panel 1b 7-11-18.m
Position P1-F11 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.728	1418258	189153	7.4980	256.2639
Dihydrocodeine	Dihydrocodeine-D6	4.051	1555510	296832	5.2404	263.7402
Noroxycodone	Noroxycodone-D3	4.533	2088456	268411	7.7808	247.0306
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.181	14841507	2486343	5.9692	262.5585
Benzoylcegonine	Benzoylcegonine-d8	5.791	140150	22769	6.1552	312.7944 DNE
Ketamine	Ketamine-D4	6.002	7412477	1125023	6.5887	249.4217
Norfentanyl	Norfentanyl-D5	6.044	707765	1261928	0.5609	23.7792
Cocaine	Cocaine-d3	6.252	3254857	1522636	2.1376	233.2119
alpha-PVP	alpha-PVP-d8	6.348	4924130	1070843	4.5984	245.5462
Mirtazapine	alpha-PVP-d8	6.644	8385253	1070843	7.8305	265.3136
Norbuprenorphine	Norbuprenorphine-D3	6.994	14252	33392	0.4268	21.1559
Fentanyl	Fentanyl-D5	7.079	958680	2078183	0.4613	24.0994
Mitragynine	EDDP-D3	7.176	3830599	294468	13.0085	248.8469
EDDP	EDDP-D3	7.188	1718006	294468	5.8343	236.8568
Quetiapine	Quetiapine-D8	7.438	16896124	766109	22.0545	266.4089
Cyclobenzaprine	Cyclobenzaprine-D3	7.472	6547564	923315	7.0914	257.7196
Methadone	Methadone-D9	7.502	26933905	2968434	9.0734	280.5396
Fluoxetine	Fluoxetine-D6	7.542	21799498	3063880	7.1150	287.5539
Oxazepam	Oxazepam-D5	7.588	857701	161902	5.2976	259.4759

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report *bQC 250*

F

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Sertraline	Sertraline-D3	7.625	6326679	1264795	5.0021	223.3382
Temazepam	Temazepam-D5	7.647	7295566	1332830	5.4737	247.8283
Buprenorphine	Buprenorphine-D4	7.697	632228	545559	1.1589	22.6281
Nordiazepam	Nordiazepam-D5	7.715	2865796	265863	10.7792	263.9532
Diazepam	Diazepam-D5	7.771	3125842	503397	6.2095	234.5595

D

ISP FORENSICS - Pocatello Instrument # 59740

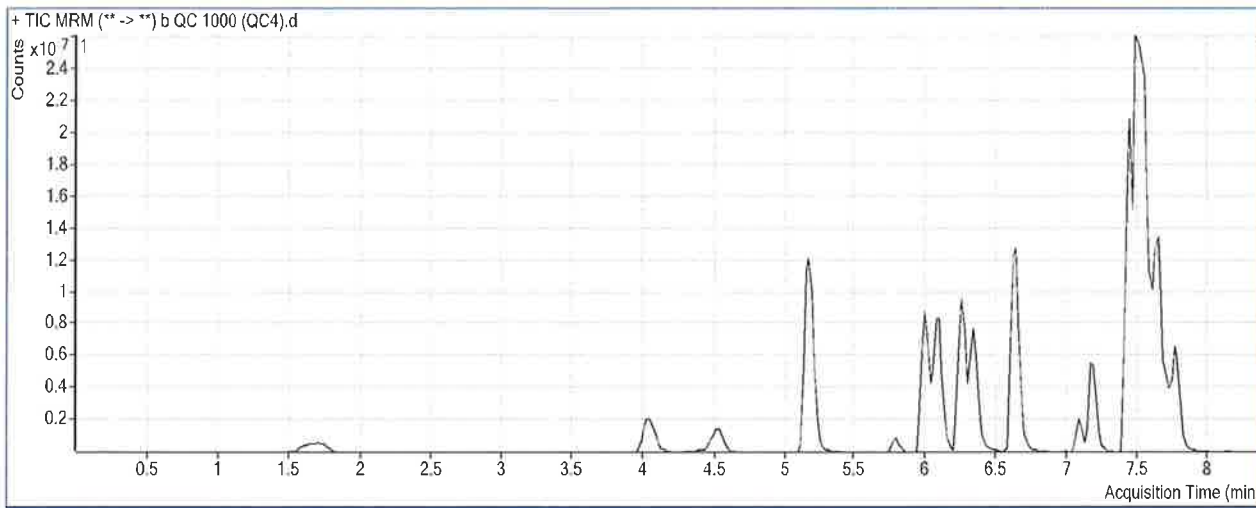
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\120618 MDQ P1 SP\QuantResults\P1b.batch.bin
Analysis Time 12/11/2018 3:52 PM **Analyst Name** ISPUser
Report Time 12/11/2018 4:08 PM **Reporter Name** ISPUser
Last Calib Update 12/11/2018 3:52 PM **Batch State** Processed

Analysis Info

Acq Time 2018-12-07 07:49 **Data File** b QC 1000 (QC4).d
Sample Type QC **Sample Name** b QC 1000 (QC4).d
Dilution 1 **Acq Method** MD Quant Panel 1b 7-11-18.m
Position P1-E11 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.708	5351908	187870	28.4873	970.5826
Dihydrocodeine	Dihydrocodeine-D6	4.051	5535426	285702	19.3748	971.4109
Noroxycodone	Noroxycodone-D3	4.533	6831782	203193	33.6221	1063.4506
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.181	52799924	2195036	24.0542	1054.9144
Benzoylcegonine	Benzoylcegonine-d8	5.791	1081781	24270	44.5726	2238.6582 DVE
Ketamine	Ketamine-D4	6.002	28711596	1002215	28.6481	1081.0825
Norfentanyl	Norfentanyl-D5	6.044	2479392	1042574	2.3781	98.2559
Cocaine	Cocaine-d3	6.252	10643522	1208797	8.8051	957.3515
alpha-PVP	alpha-PVP-d8	6.348	17059168	885136	19.2729	1028.4122
Mirtazapine	alpha-PVP-d8	6.644	31051910	885136	35.0815	1183.4877
Norbuprenorphine	Norbuprenorphine-D3	6.994	54270	24205	2.2421	112.4615
Fentanyl	Fentanyl-D5	7.079	3372715	1546117	2.1814	113.4022
Mitragynine	EDDP-D3	7.156	10063230	231325	43.5026	831.9566
EDDP	EDDP-D3	7.188	5800632	231325	25.0757	1007.0649
Quetiapine	Quetiapine-D8	7.438	39317112	499034	78.7864	949.7809
Cyclobenzaprine	Cyclobenzaprine-D3	7.472	17340184	596323	29.0785	1051.0861
Methadone	Methadone-D9	7.502	57234818	2274459	25.1641	776.7127 outside curve range
Fluoxetine	Fluoxetine-D6	7.562	43244165	1822683	23.7256	957.6553
Oxazepam	Oxazepam-D5	7.588	2198804	104428	21.0557	1026.8872

ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report bQC 1000

P

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Sertraline	Sertraline-D3	7.625	14185903	651686	21.7680	968.3366
Temazepam	Temazepam-D5	7.647	20816824	845191	24.6297	1110.6690
Buprenorphine	Buprenorphine-D4	7.697	2037569	349133	5.8361	110.0063
Nordiazepam	Nordiazepam-D5	7.735	7044835	170061	41.4253	1009.7058
Diazepam	Diazepam-D5	7.771	9195977	340835	26.9807	1012.0623

ISP Forensics Calibration Curve Report

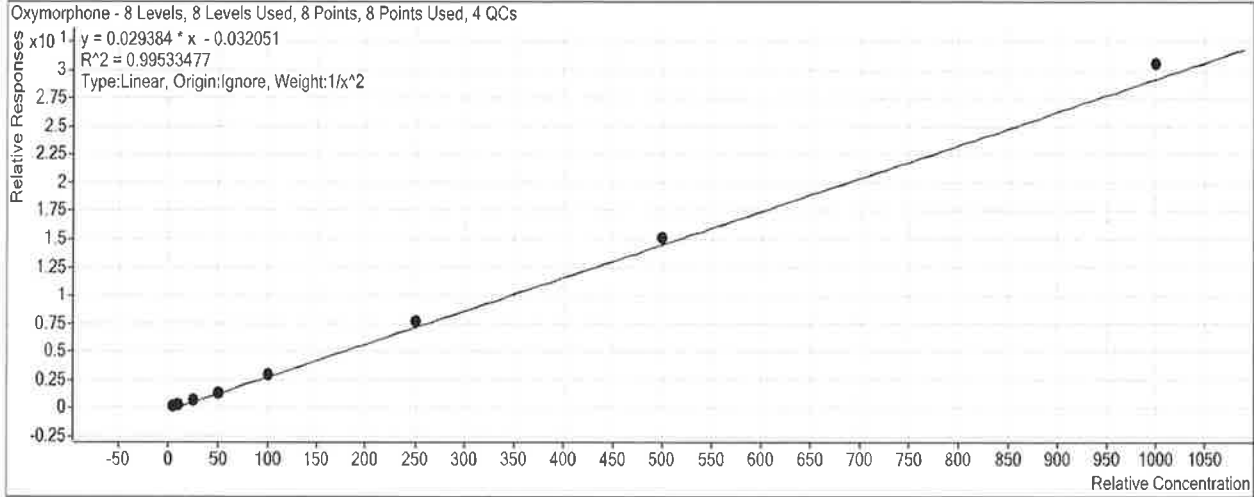
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Batch Data Path C:\MassHunter\Data\2018\MD Quant\120618 MDQ P1 SP\QuantResults\P1b.batch.bin

Last Calib Update 12/11/2018 3:52 PM

Analyst Name ISP TOX

Target Compound Oxymorphone
Internal Standard Oxymorphone-D3



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.3	105.2
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.4	93.8
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.1	90.8
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	22.7	90.7
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	47.3	94.5
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	102.6	102.6
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	96.8	96.8
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	262.9	105.2
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	256.3	102.5
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	517.8	103.6
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1044.1	104.4
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	970.6	97.1

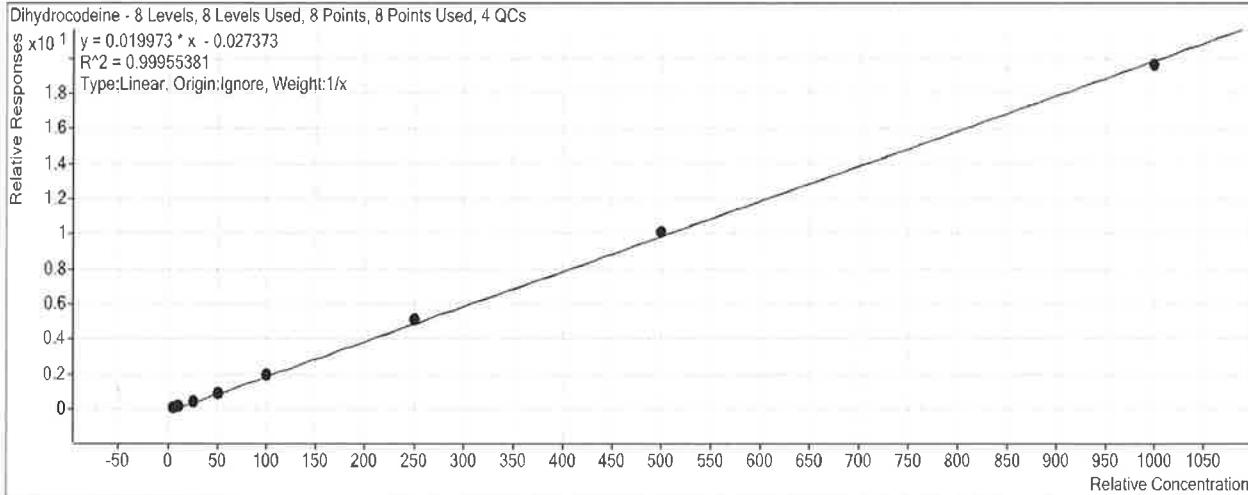
ISP Forensics Calibration Curve Report

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Batch Data Path C:\MassHunter\Data\2018\MD Quant\120618 MDQ P1 SP\QuantResults\P1b.batch.bin

Last Calib Update 12/11/2018 3:52 PM **Analyst Name** ISP TOX

Target Compound Dihydrocodeine
Internal Standard Dihydrocodeine-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.5	109.2
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.6	95.9
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.3	103.1
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.3	93.2
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	48.7	97.4
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	101.0	101.0
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	101.8	101.8
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	257.7	103.1
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	263.7	105.5
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	508.2	101.6
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	986.0	98.6
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	971.4	97.1

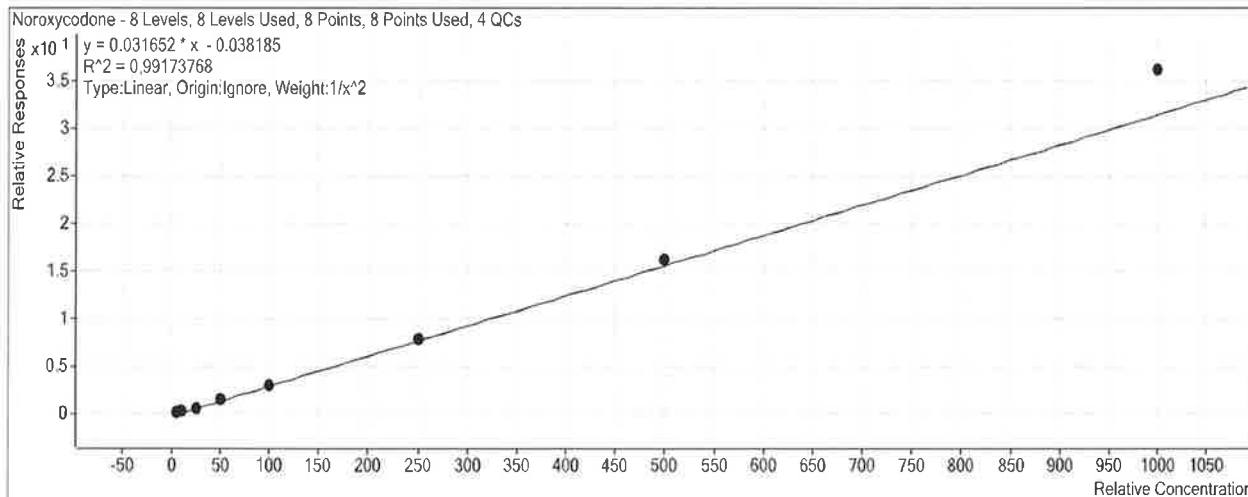
ISP Forensics Calibration Curve Report

D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\120618 MDQ P1 SP\QuantResults\P1b.batch.bin

Last Calib Update 12/11/2018 3:52 PM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.3	105.4
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.5	94.7
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.4	94.0
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	22.1	88.5
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	47.6	95.2
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	98.0	98.0
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	94.9	94.9
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	251.7	100.7
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	247.0	98.8
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	514.6	102.9
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1146.4	114.6
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	1063.5	106.3

ISP Forensics Calibration Curve Report

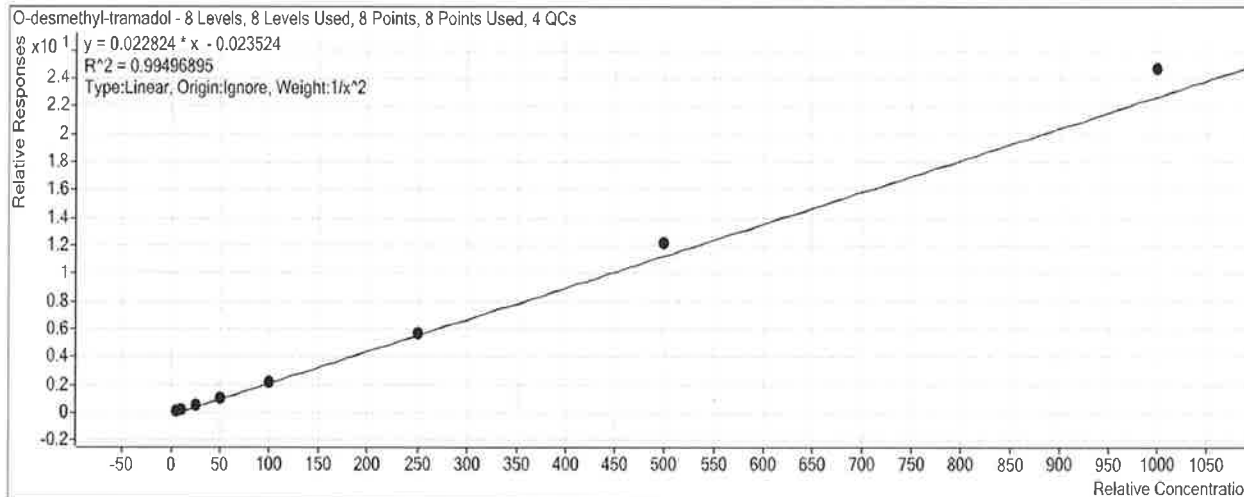
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Batch Data Path C:\MassHunter\Data\2018\MD Quant\120618 MDQ P1 SP\QuantResults\P1b.batch.bin

Last Calib Update 12/11/2018 3:52 PM

Analyst Name ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.2	104.0
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.6	96.3
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.0	100.1
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.1	92.2
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	47.6	95.2
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	95.3	95.3
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	98.9	98.9
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	252.3	100.9
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	262.6	105.0
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	537.8	107.6
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1085.5	108.5
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	1054.9	105.5

ISP Forensics Calibration Curve Report

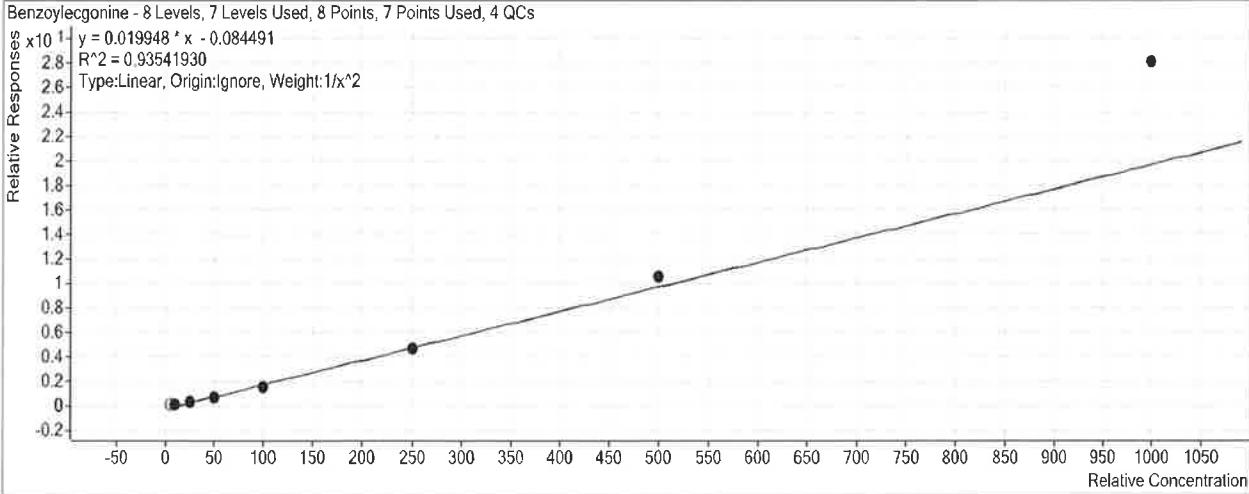
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Batch Data Path C:\MassHunter\Data\2018\MD Quant\120618 MDQ P1 SP\QuantResults\P1b.batch.bin

Last Calib Update 12/11/2018 3:52 PM

Analyst Name ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input type="checkbox"/>	5	8.5	170.4
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	11.2	111.6
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	11.8	118.0
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	21.8	87.3
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	37.1	74.2
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	82.9	82.9
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	99.9	99.9
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	239.3	95.7
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	312.8	125.1
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	533.6	106.7
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1416.1	141.6
b QC 1000 (QC4).d	8	<input type="checkbox"/>	1000	2238.7	223.9

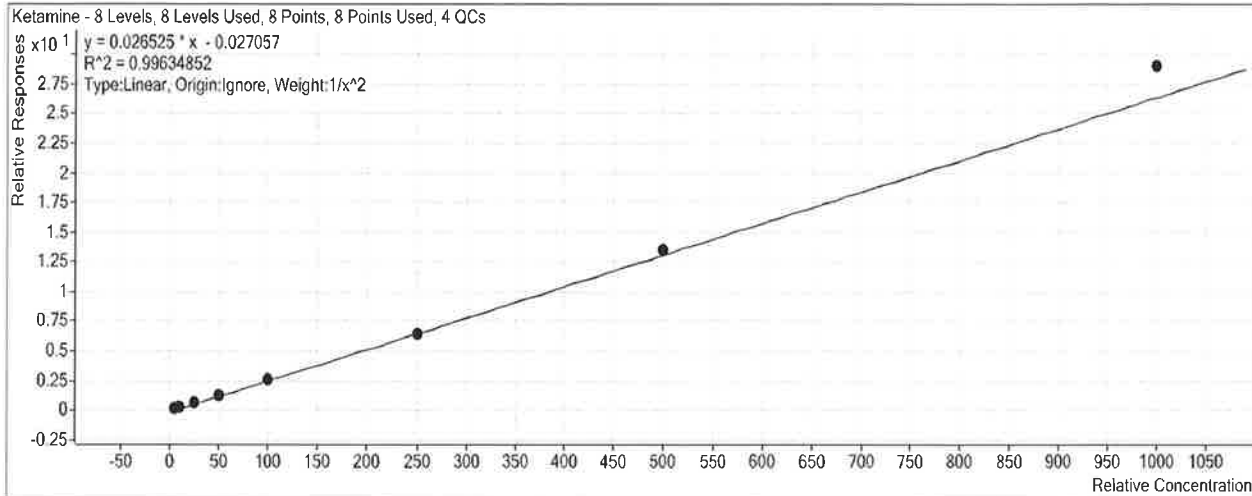
Did not evaluate. P

ISP Forensics Calibration Curve Report

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Batch Data Path C:\MassHunter\Data\2018\MD Quant\120618 MDQ P1 SP\QuantResults\P1b.batch.bin
Last Calib Update 12/11/2018 3:52 PM **Analyst Name** ISP TOX

Target Compound Ketamine
Internal Standard Ketamine-D4



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.1	102.9
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.8	98.1
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.2	101.7
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	22.9	91.5
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	49.0	98.0
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	99.2	99.2
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	99.7	99.7
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	245.3	98.1
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	249.4	99.8
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	512.2	102.4
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1097.6	109.8
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	1081.1	108.1

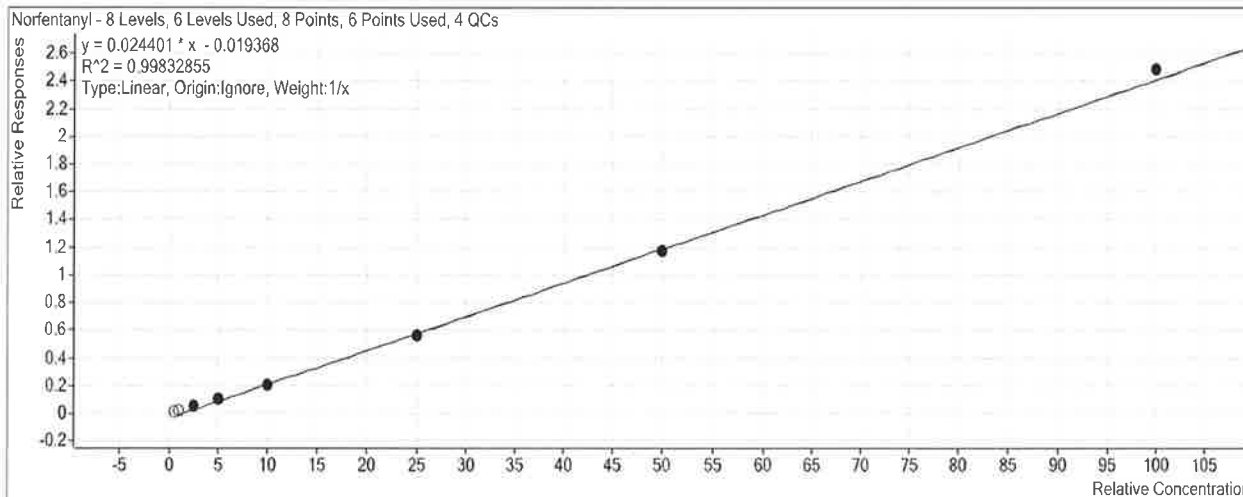
ISP Forensics Calibration Curve Report

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Batch Data Path C:\MassHunter\Data\2018\MD Quant\120618 MDQ P1 SP\QuantResults\P1b.batch.bin

Last Calib Update 12/11/2018 3:52 PM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input type="checkbox"/>	0.5	1.1	224.2
b cal 2-10ng.d	2	<input type="checkbox"/>	1	1.6	157.1
b QC 10 (QC1).d	2	<input type="checkbox"/>	1	1.6	155.4
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	2.5	2.8	112.9
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	5	4.8	96.9
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	10	9.5	94.7
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	10	9.3	92.7
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	25	23.8	95.0
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	25	23.8	95.1
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	50	48.8	97.6
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	100	102.8	102.8
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	100	98.3	98.3

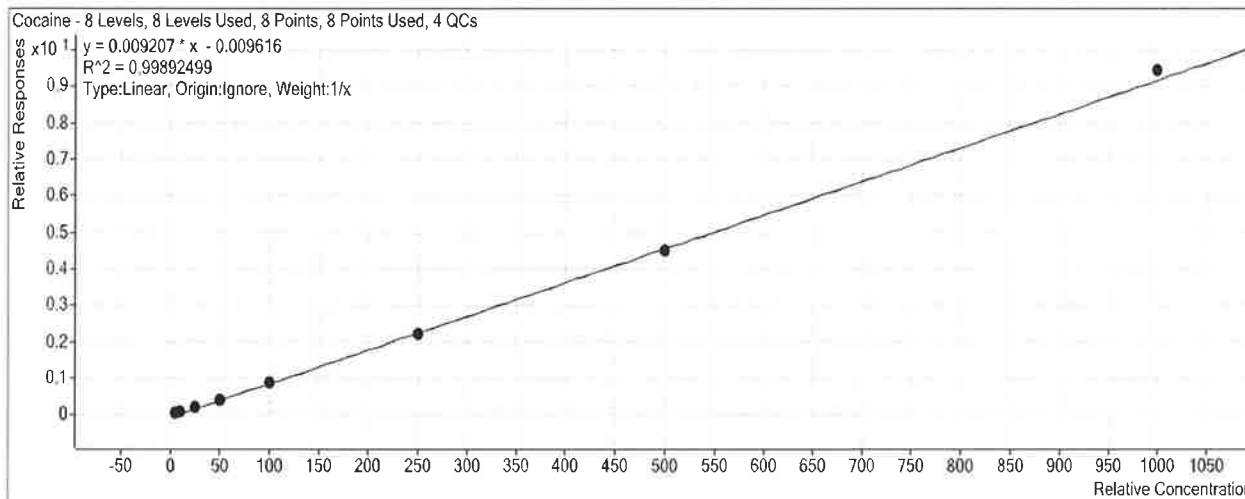
ISP Forensics Calibration Curve Report

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Batch Data Path C:\MassHunter\Data\2018\MD Quant\120618 MDQ P1 SP\QuantResults\P1b.batch.bin

Last Calib Update 12/11/2018 3:52 PM **Analyst Name** ISP TOX

Target Compound Cocaine
Internal Standard Cocaine-d3



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.9	118.4
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	10.1	101.1
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.2	102.1
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.6	94.3
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	46.7	93.4
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	95.7	95.7
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	91.7	91.7
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	241.1	96.4
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	233.2	93.3
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	489.9	98.0
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1027.0	102.7
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	957.4	95.7

ISP Forensics Calibration Curve Report

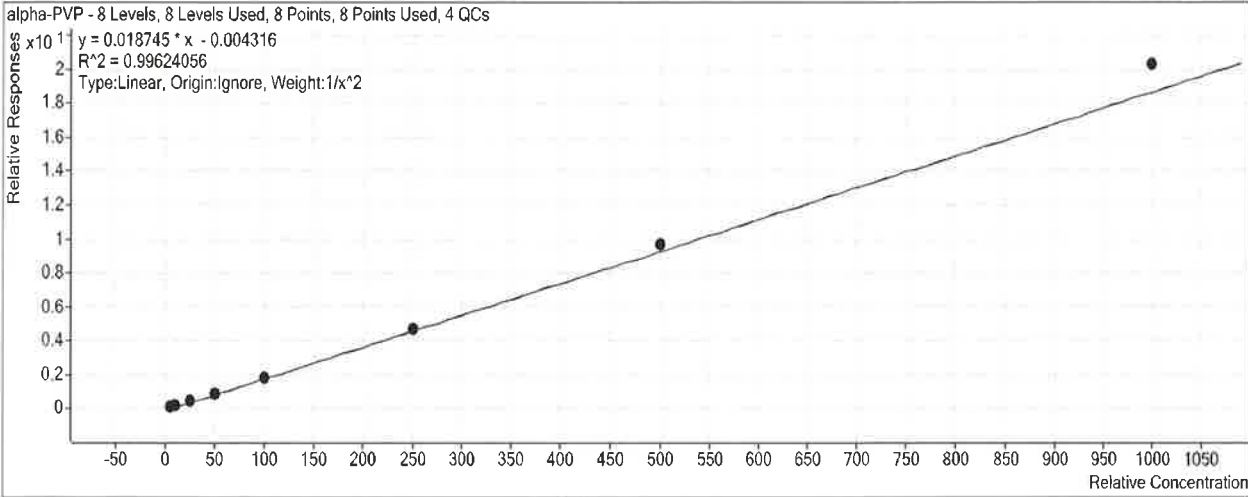
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Batch Data Path C:\MassHunter\Data\2018\MD Quant\120618 MDQ P1 SP\QuantResults\P1b.batch.bin

Last Calib Update 12/11/2018 3:52 PM

Analyst Name ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.2	104.0
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.6	96.0
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.7	96.9
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	22.9	91.7
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	48.6	97.1
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	98.3	98.3
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	96.6	96.6
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	252.0	100.8
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	245.5	98.2
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	518.1	103.6
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1085.5	108.6
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	1028.4	102.8

ISP Forensics Calibration Curve Report

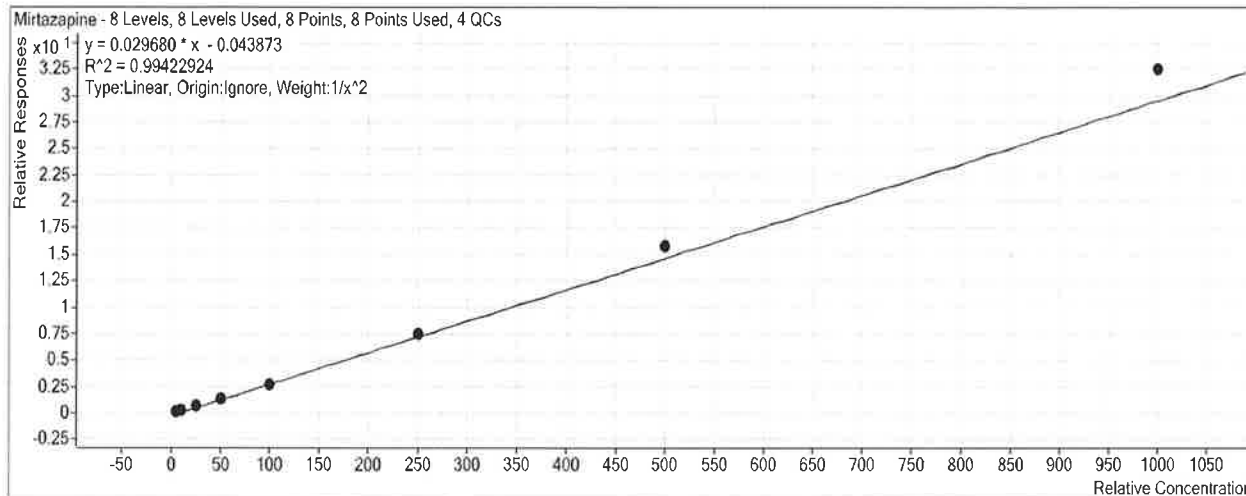
P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\120618 MDQ P1 SP\QuantResults\P1b.batch.bin

Last Calib Update 12/11/2018 3:52 PM

Analyst Name ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.2	104.1
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.6	96.3
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.2	102.1
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.0	92.1
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	47.1	94.1
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	94.5	94.5
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	101.1	101.1
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	255.6	102.2
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	265.3	106.1
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	534.0	106.8
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1098.2	109.8
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	1183.5	118.3

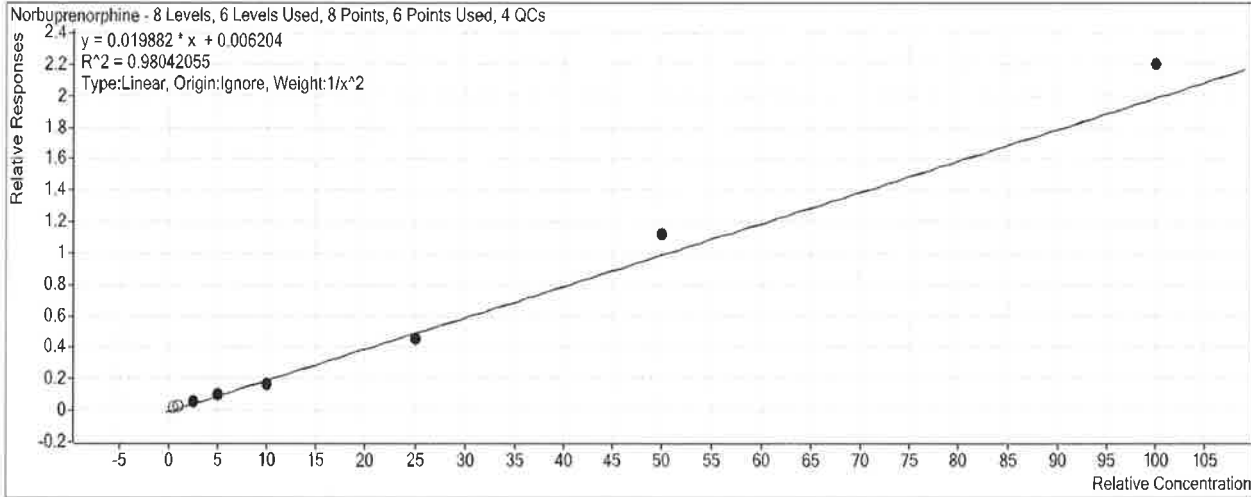
ISP Forensics Calibration Curve Report

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Batch Data Path C:\MassHunter\Data\2018\MD Quant\120618 MDQ P1 SP\QuantResults\P1b.batch.bin

Last Calib Update 12/11/2018 3:52 PM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input type="checkbox"/>	0.5	0.6	120.7
b cal 2-10ng.d	2	<input type="checkbox"/>	1	1.1	109.7
b QC 10 (QC1).d	2	<input type="checkbox"/>	1	0.3	31.5
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	2.5	2.6	104.7
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	5	5.0	99.3
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	10	8.3	82.6
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	10	8.1	81.3
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	25	22.9	91.5
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	25	21.2	84.6
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	50	55.8	111.5
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	100	110.4	110.4
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	100	112.5	112.5

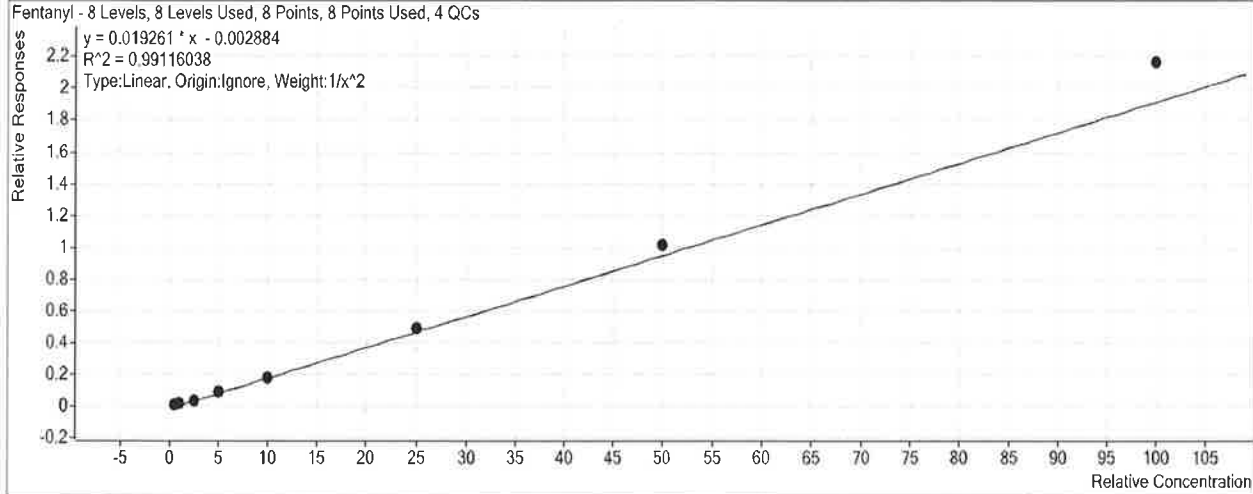
ISP Forensics Calibration Curve Report

P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\120618 MDQ P1 SP\QuantResults\P1b.batch.bin

Last Calib Update 12/11/2018 3:52 PM **Analyst Name** ISP TOX

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



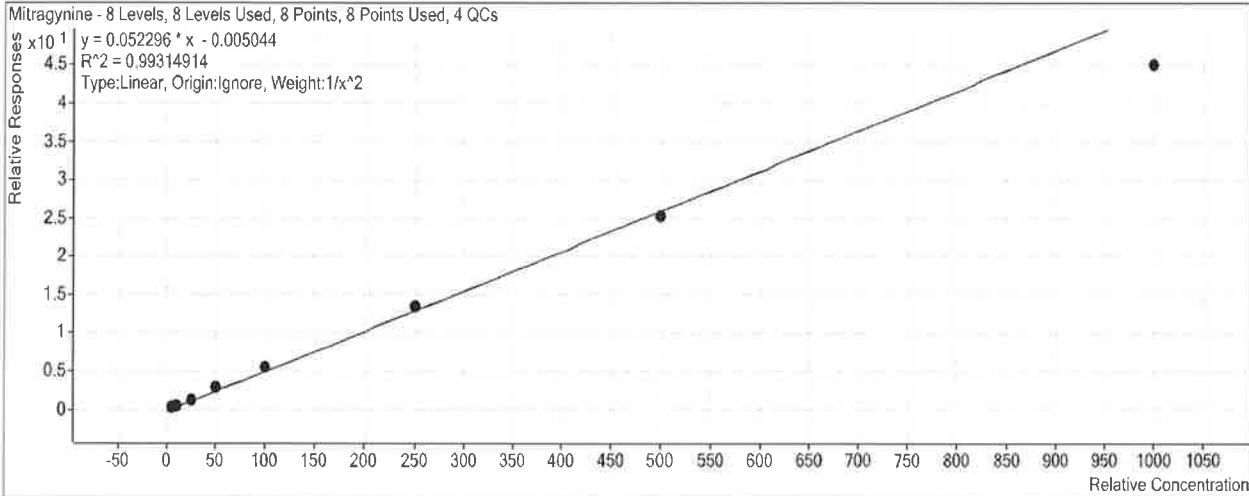
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input checked="" type="checkbox"/>	0.5	0.5	105.1
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	1	1.0	96.4
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	1	0.9	91.8
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	2.5	2.2	86.6
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	5	4.7	93.3
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	10	9.8	97.5
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	10	9.2	91.7
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	25	25.7	102.8
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	25	24.1	96.4
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	50	52.8	105.5
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	100	112.7	112.7
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	100	113.4	113.4

ISP Forensics Calibration Curve Report

P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\120618 MDQ P1 SP\QuantResults\P1b.batch.bin
Last Calib Update 12/11/2018 3:52 PM **Analyst Name** ISP TOX

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



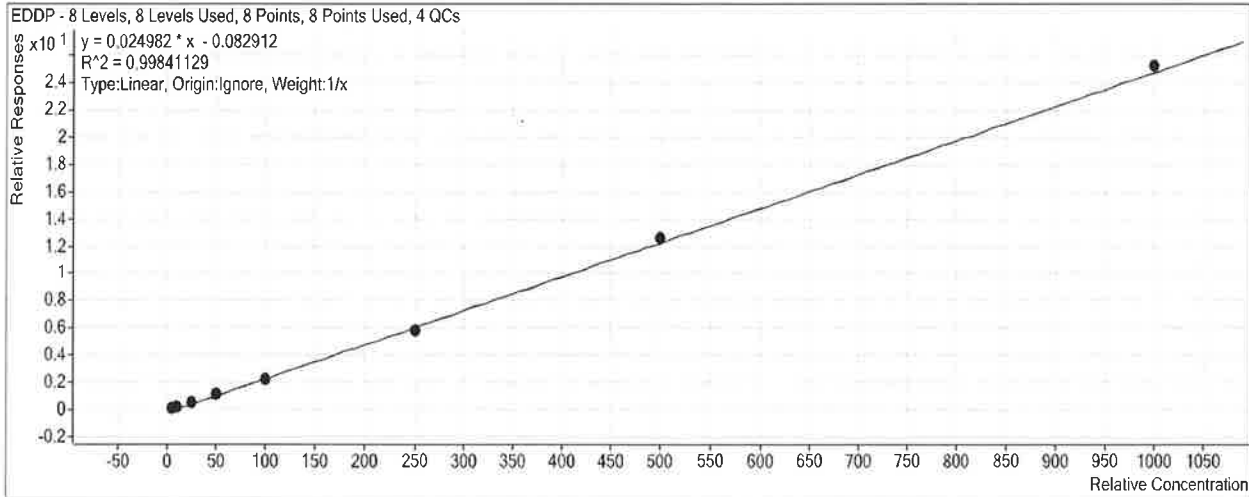
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.0	100.0
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.8	98.2
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.2	92.0
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	24.5	97.9
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	55.1	110.1
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	106.6	106.6
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	100.5	100.5
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	259.2	103.7
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	248.8	99.5
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	485.8	97.2
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	862.8	86.3
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	832.0	83.2

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\120618 MDQ P1 SP\QuantResults\P1b.batch.bin

Last Calib Update 12/11/2018 3:52 PM **Analyst Name** ISP TOX

Target Compound EDDP
Internal Standard EDDP-D3



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	6.2	123.5
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	10.3	103.2
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.3	102.9
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	22.5	89.9
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	47.5	94.9
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	90.0	90.0
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	88.9	88.9
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	237.0	94.8
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	236.9	94.7
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	509.4	101.9
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1017.1	101.7
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	1007.1	100.7

ISP Forensics Calibration Curve Report

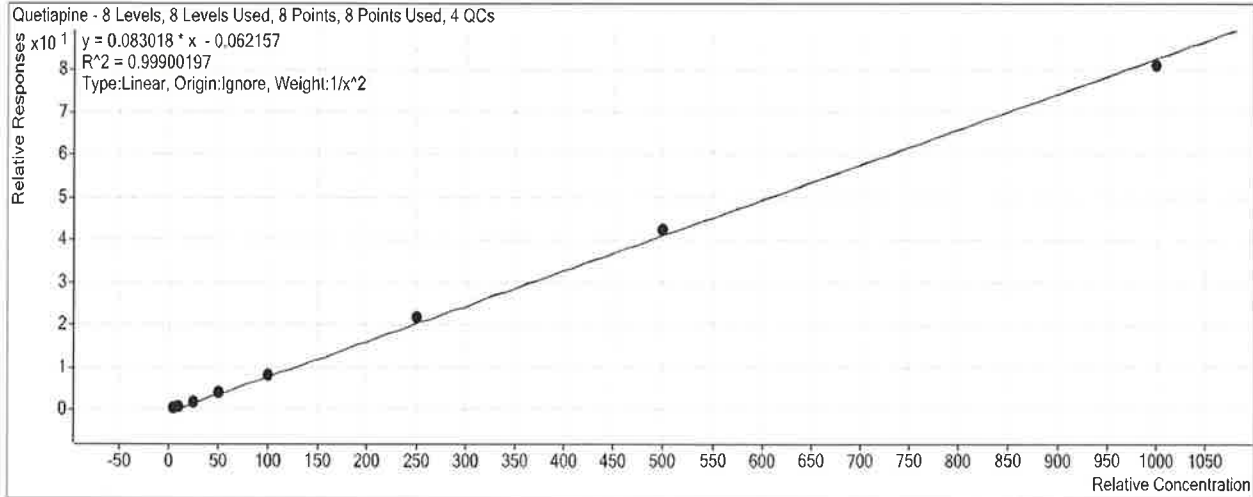
T

Batch Data Path C:\MassHunter\Data\2018\MD Quant\120618 MDQ P1 SP\QuantResults\P1b.batch.bin

Last Calib Update 12/11/2018 3:52 PM

Analyst Name ISP TOX

Target Compound Quetiapine
Internal Standard Quetiapine-D8



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.1	101.2
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.9	99.3
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.3	103.4
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.9	95.6
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	49.3	98.7
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	100.8	100.8
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	103.4	103.4
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	261.2	104.5
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	266.4	106.6
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	510.6	102.1
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	978.3	97.8
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	949.8	95.0

ISP Forensics Calibration Curve Report

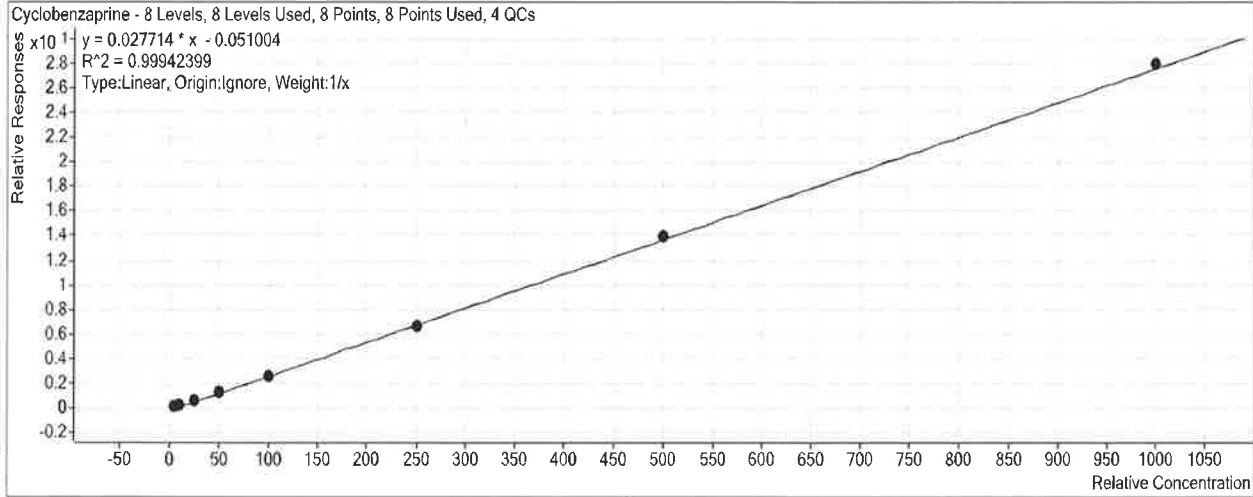
P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\120618 MDQ P1 SP\QuantResults\P1b.batch.bin

Last Calib Update 12/11/2018 3:52 PM

Analyst Name ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.8	115.3
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	10.4	103.8
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	11.3	113.3
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.0	91.9
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	47.3	94.5
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	95.4	95.4
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	101.7	101.7
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	242.9	97.2
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	257.7	103.1
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	503.5	100.7
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1011.8	101.2
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	1051.1	105.1

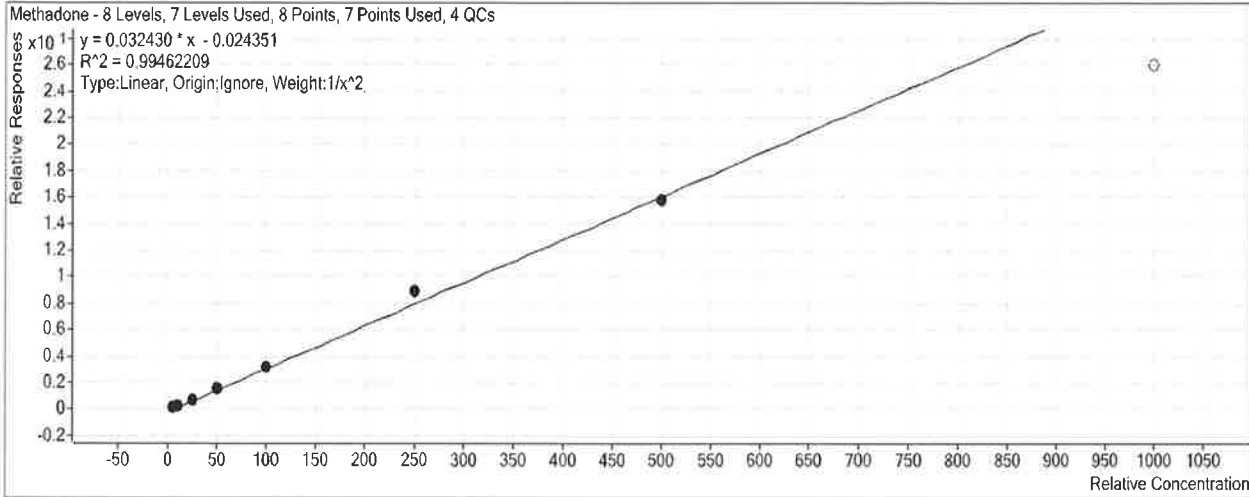
ISP Forensics Calibration Curve Report

P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\120618 MDQ P1 SP\QuantResults\P1b.batch.bin

Last Calib Update 12/11/2018 3:52 PM **Analyst Name** ISP TOX

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



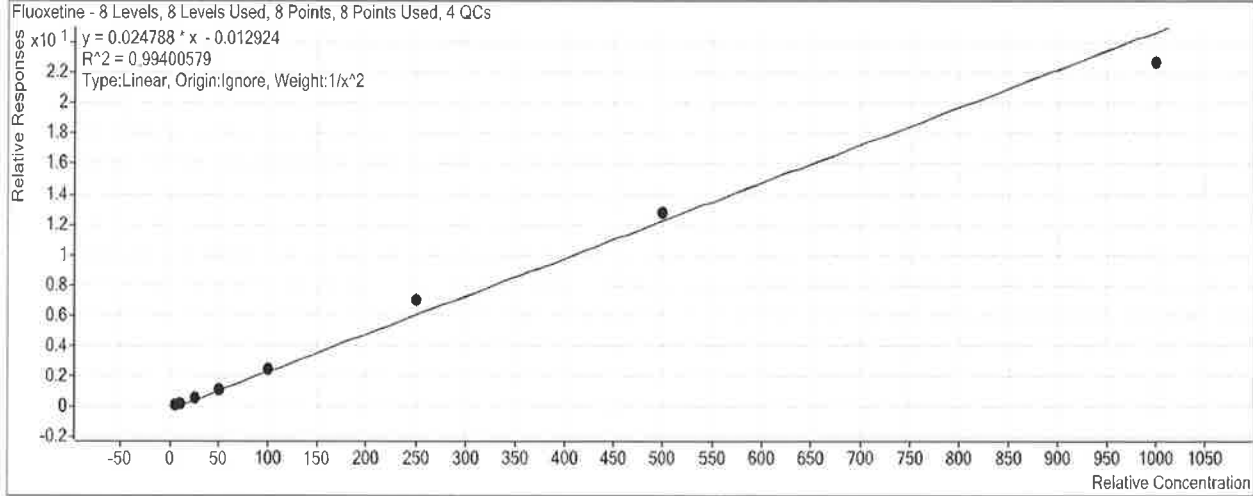
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.1	102.1
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	10.0	99.5
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.4	103.7
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	22.7	90.7
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	48.7	97.5
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	101.0	101.0
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	104.0	104.0
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	278.4	111.3
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	280.5	112.2
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	489.2	97.8
b cal 8-1000ng.d	8	<input type="checkbox"/>	1000	803.7	80.4
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	776.7	77.7

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\120618 MDQ P1 SP\QuantResults\P1b.batch.bin

Last Calib Update 12/11/2018 3:52 PM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.1	102.2
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.8	98.2
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.7	107.0
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.4	93.4
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	48.4	96.9
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	101.0	101.0
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	107.5	107.5
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	282.9	113.2
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	287.6	115.0
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	517.6	103.5
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	916.1	91.6
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	957.7	95.8

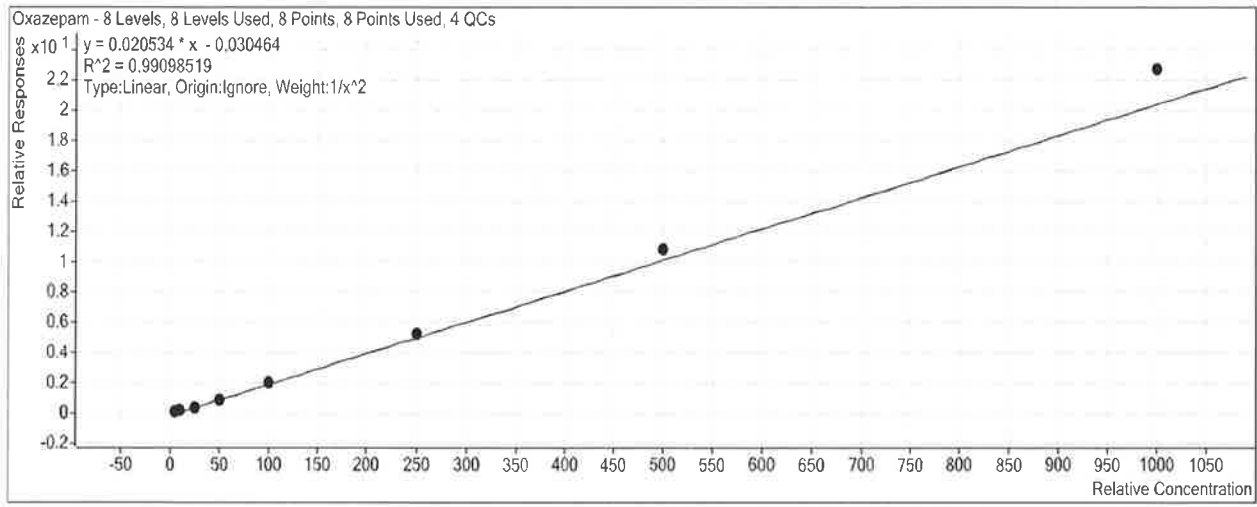
ISP Forensics Calibration Curve Report

S

Batch Data Path C:\MassHunter\Data\2018\MD Quant\120618 MDQ P1 SP\QuantResults\P1b.batch.bin

Last Calib Update 12/11/2018 3:52 PM **Analyst Name** ISP TOX

Target Compound Oxazepam
Internal Standard Oxazepam-D5



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.2	104.2
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.8	98.3
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.1	101.4
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	22.0	87.8
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	44.1	88.2
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	100.9	100.9
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	94.1	94.1
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	258.4	103.4
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	259.5	103.8
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	530.8	106.2
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1110.2	111.0
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	1026.9	102.7

ISP Forensics Calibration Curve Report

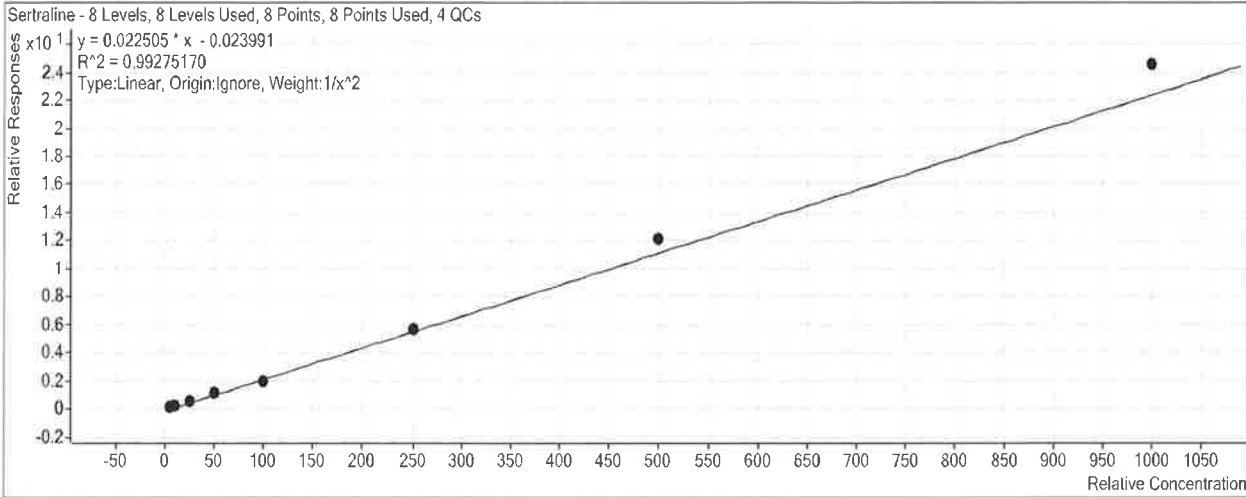
D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\120618 MDQ P1 SP\QuantResults\P1b.batch.bin

Last Calib Update 12/11/2018 3:52 PM

Analyst Name ISP TOX

Target Compound Sertraline
Internal Standard Sertraline-D3



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.2	104.6
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.5	95.2
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.9	98.7
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	22.6	90.5
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	50.2	100.4
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	90.3	90.3
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	88.2	88.2
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	253.9	101.6
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	223.3	89.3
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	540.2	108.0
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1094.3	109.4
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	968.3	96.8

ISP Forensics Calibration Curve Report

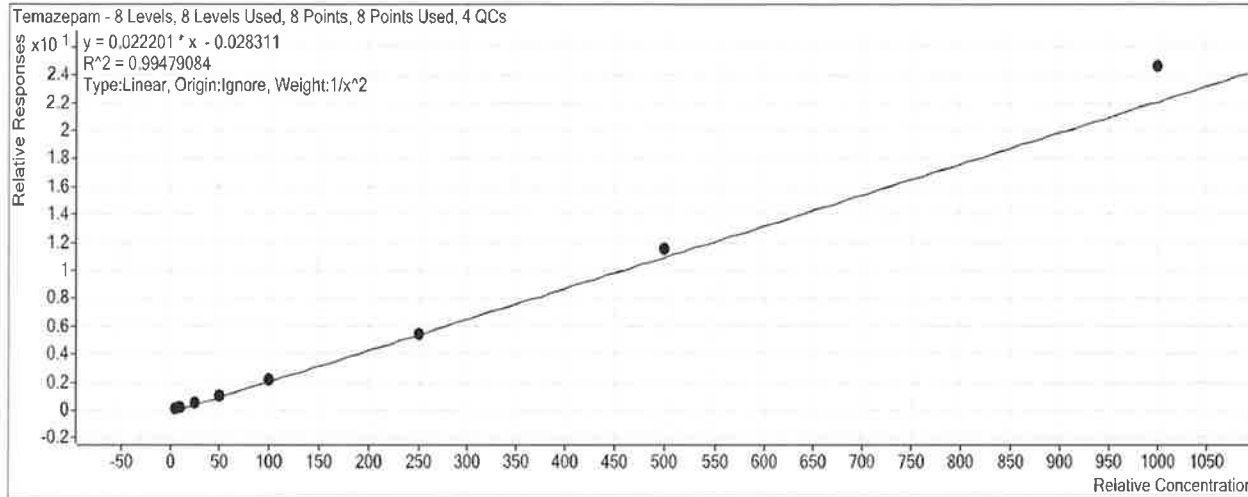
D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\120618 MDQ P1 SP\QuantResults\P1b.batch.bin

Last Calib Update 12/11/2018 3:52 PM

Analyst Name ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.2	103.7
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.7	97.2
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.9	98.8
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	22.7	90.8
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	48.1	96.1
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	96.9	96.9
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	91.9	91.9
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	249.1	99.6
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	247.8	99.1
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	522.8	104.6
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1111.5	111.1
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	1110.7	111.1

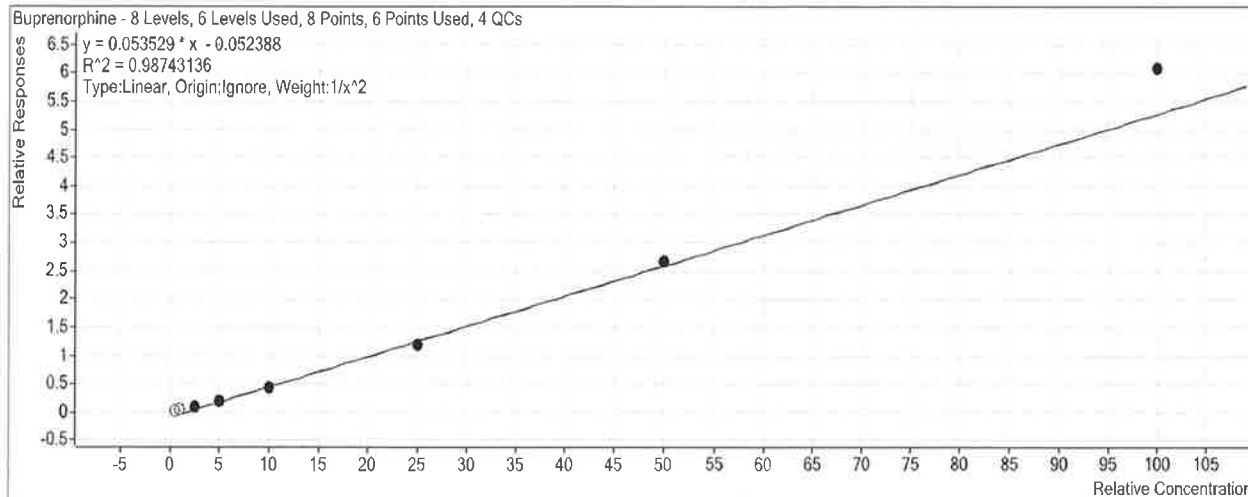
ISP Forensics Calibration Curve Report

P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\120618 MDQ P1 SP\QuantResults\P1b.batch.bin

Last Calib Update 12/11/2018 3:52 PM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input type="checkbox"/>	0.5	1.3	257.0
b cal 2-10ng.d	2	<input type="checkbox"/>	1	1.7	167.1
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	1	1.7	167.6
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	2.5	2.6	105.0
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	5	4.8	95.2
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	10	9.1	90.6
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	10	9.2	91.8
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	25	23.2	92.7
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	25	22.6	90.5
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	50	50.8	101.6
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	100	114.7	114.7
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	100	110.0	110.0

ISP Forensics Calibration Curve Report

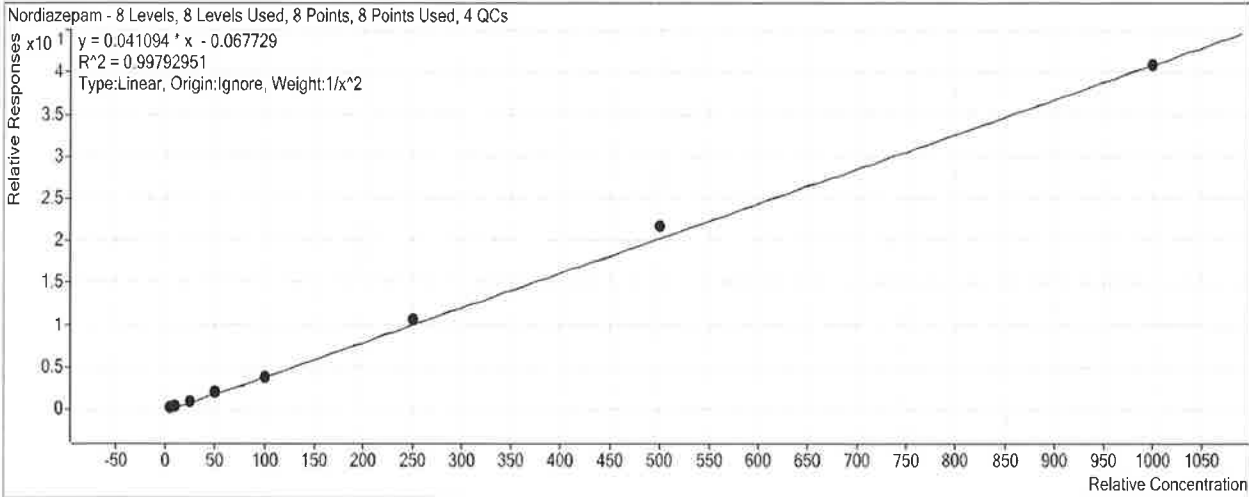
D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\120618 MDQ P1 SP\QuantResults\P1b.batch.bin

Last Calib Update 12/11/2018 3:52 PM

Analyst Name ISP TOX

Target Compound Nordiazepam
Internal Standard Nordiazepam-D5



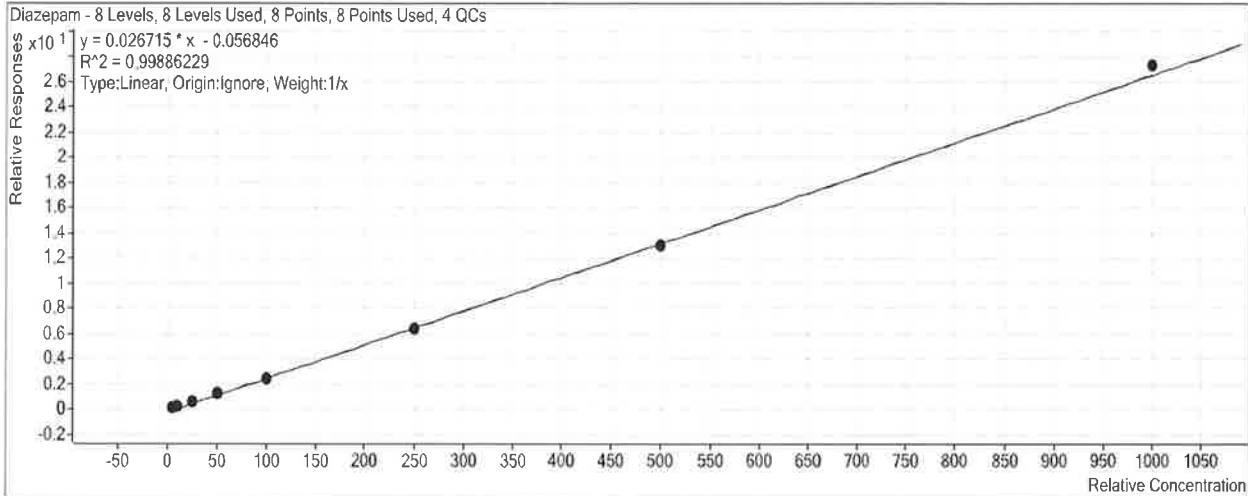
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.1	102.4
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.6	96.2
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.6	106.4
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	24.5	98.1
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	50.3	100.7
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	93.7	93.7
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	105.4	105.4
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	258.0	103.2
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	264.0	105.6
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	529.7	105.9
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	997.9	99.8
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	1009.7	101.0

ISP Forensics Calibration Curve Report

P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\120618 MDQ P1 SP\QuantResults\P1b.batch.bin
Last Calib Update 12/11/2018 3:52 PM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	6.0	120.7
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	10.0	100.5
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.3	103.3
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	22.3	89.2
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	48.8	97.6
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	94.5	94.5
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	94.8	94.8
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	242.7	97.1
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	234.6	93.8
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	488.9	97.8
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1026.7	102.7
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	1012.1	101.2

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

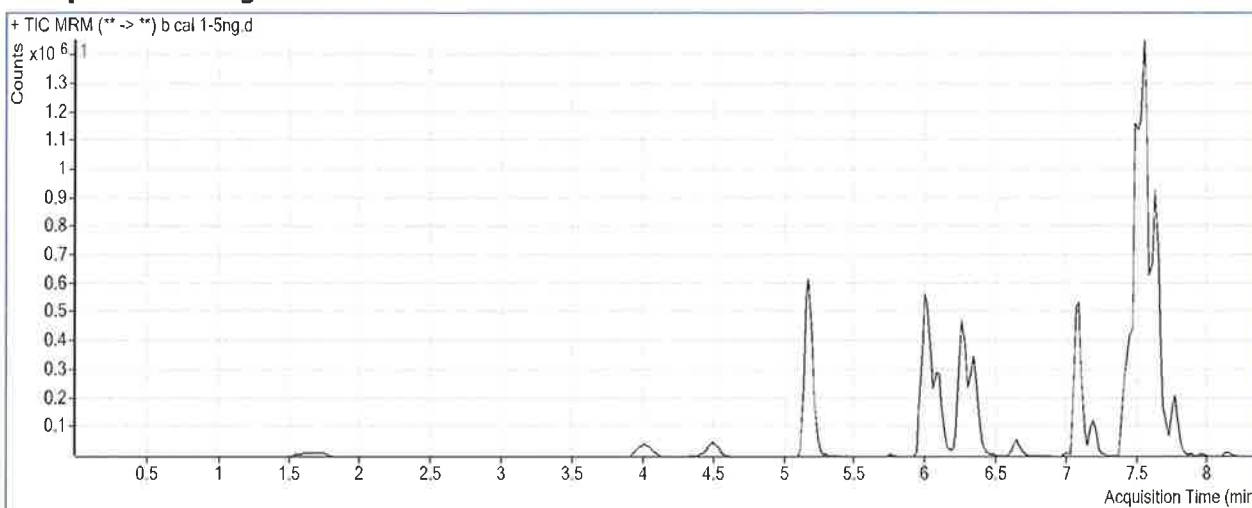
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Report Time	12/11/2018 4:07 PM	Reporter Name	ISPUser
Last Calib Update	12/11/2018 3:52 PM	Batch State	Processed

Analysis Info

Acq Time	2018-12-06 16:19	Data File	b cal 1-5ng.d
Sample Type	Calibration	Sample Name	b cal 1-5ng.d
Dilution	1	Acq Method	MD Quant Panel 1b 7-11-18.m
Position	P1-H12	Sample Info	
Inj Vol	-1	Comment	AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.728	23764	193990	0.1225	5.2599
Dihydrocodeine	Dihydrocodeine-D6	4.051	23229	284508	0.0816	5.4583
Noroxycodone	Noroxycodone-D3	4.533	34737	270067	0.1286	5.2701
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.181	226358	2378901	0.0952	5.1995
Benzoylcegonine	Benzoylcegonine-d8	5.791	1930	22579	0.0855	8.5207
Ketamine	Ketamine-D4	6.002	127103	1162249	0.1094	5.1430
Norfentanyl	Norfentanyl-D5	6.044	10978	1375830	0.0080	1.1208
Cocaine	Cocaine-d3	6.252	73380	1635357	0.0449	5.9178
alpha-PVP	alpha-PVP-d8	6.368	101728	1092557	0.0931	5.1975
Mirtazapine	alpha-PVP-d8	6.644	120895	1092557	0.1107	5.2065
Norbuprenorphine	Norbuprenorphine-D3	6.994	694	38140	0.0182	0.6033
Fentanyl	Fentanyl-D5	7.079	14426	1993316	0.0072	0.5254
Mitragynine	EDDP-D3	7.176	72577	283076	0.2564	4.9991
EDDP	EDDP-D3	7.188	20211	283076	0.0714	6.1768
Quetiapine	Quetiapine-D8	7.418	286184	799371	0.3580	5.0612
Cyclobenzaprine	Cyclobenzaprine-D3	7.472	107471	987565	0.1088	5.7671
Methadone	Methadone-D9	7.502	409760	2902231	0.1412	5.1045
Fluoxetine	Fluoxetine-D6	7.542	408074	3587333	0.1138	5.1104
Oxazepam	Oxazepam-D5	7.588	8432	110140	0.0766	5.2118

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report *b cal I*

P

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Sertraline	Sertraline-D3	7.604	141149	1506177	0.0937	5.2303
Temazepam	Temazepam-D5	7.647	82150	946360	0.0868	5.1852
Buprenorphine	Buprenorphine-D4	7.697	9100	555299	0.0164	1.2849
Nordiazepam	Nordiazepam-D5	7.715	23521	164846	0.1427	5.1202
Diazepam	Diazepam-D5	7.771	54167	518860	0.1044	6.0356

SP

ISP FORENSICS - Pocatello Instrument # 59740

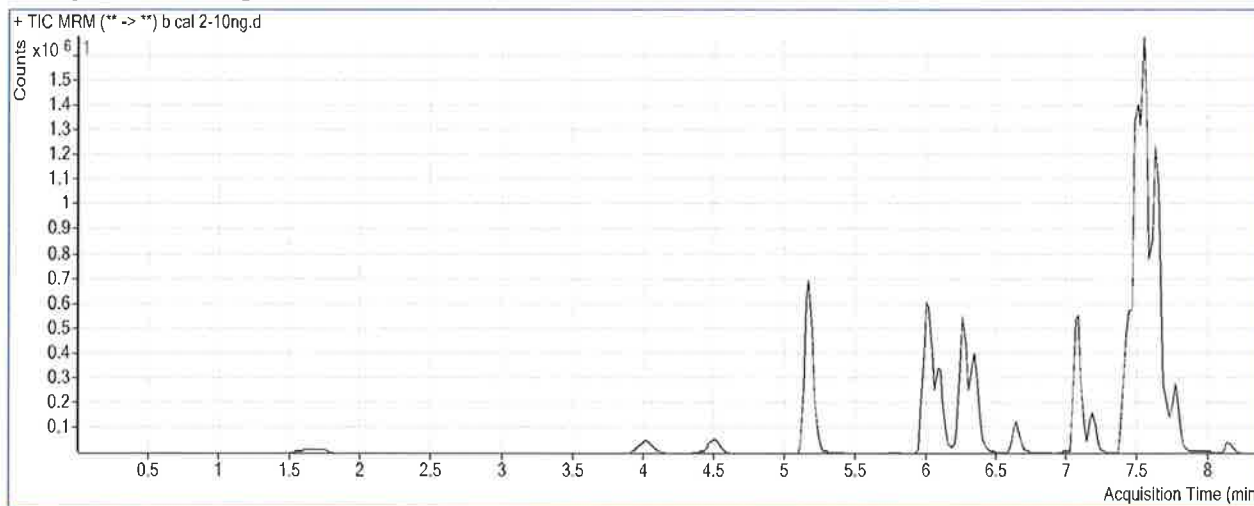
Multi-Drug Confirmatory Analysis Report

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Report Time 12/11/2018 4:07 PM **Reporter Name** ISUser
Last Calib Update 12/11/2018 3:52 PM **Batch State** Processed

Analysis Info

Acq Time 2018-12-06 16:50 **Data File** b cal 2-10ng.d
Sample Type Calibration **Sample Name** b cal 2-10ng.d
Dilution 1 **Acq Method** MD Quant Panel 1b 7-11-18.m
Position P1-G12 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.728	50248	206208	0.2437	9.3836
Dihydrocodeine	Dihydrocodeine-D6	4.051	48049	292795	0.1641	9.5867
Noroxycodone	Noroxycodone-D3	4.533	74154	283436	0.2616	9.4722
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.181	482446	2458297	0.1963	9.6290
Benzoylcegonine	Benzoylcegonine-d8	5.791	3208	23231	0.1381	11.1570
Ketamine	Ketamine-D4	6.002	270389	1160000	0.2331	9.8079
Norfentanyl	Norfentanyl-D5	6.044	26686	1407851	0.0190	1.5706
Cocaine	Cocaine-d3	6.252	136015	1629989	0.0834	10.1073
alpha-PVP	alpha-PVP-d8	6.348	198087	1128049	0.1756	9.5983
Mirtazapine	alpha-PVP-d8	6.644	272977	1128049	0.2420	9.6317
Norbuprenorphine	Norbuprenorphine-D3	7.015	1142	40784	0.0280	1.0969
Fentanyl	Fentanyl-D5	7.079	32349	2061783	0.0157	0.9643
Mitragynine	EDDP-D3	7.176	143071	281249	0.5087	9.8238
EDDP	EDDP-D3	7.188	49210	281249	0.1750	10.3227
Quetiapine	Quetiapine-D8	7.418	636891	835667	0.7621	9.9291
Cyclobenzaprine	Cyclobenzaprine-D3	7.472	239654	1012497	0.2367	10.3811
Methadone	Methadone-D9	7.502	891923	2988755	0.2984	9.9532
Fluoxetine	Fluoxetine-D6	7.562	846081	3669483	0.2306	9.8231
Oxazepam	Oxazepam-D5	7.588	31673	184811	0.1714	9.8297

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report *bcalz*

P

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Sertraline	Sertraline-D3	7.604	290322	1526766	0.1902	9.5157
Temazepam	Temazepam-D5	7.647	289428	1544296	0.1874	9.7170
Buprenorphine	Buprenorphine-D4	7.697	21223	572545	0.0371	1.6712
Nordiazepam	Nordiazepam-D5	7.735	93622	285789	0.3276	9.6198
Diazepam	Diazepam-D5	7.771	116638	551342	0.2116	10.0466

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

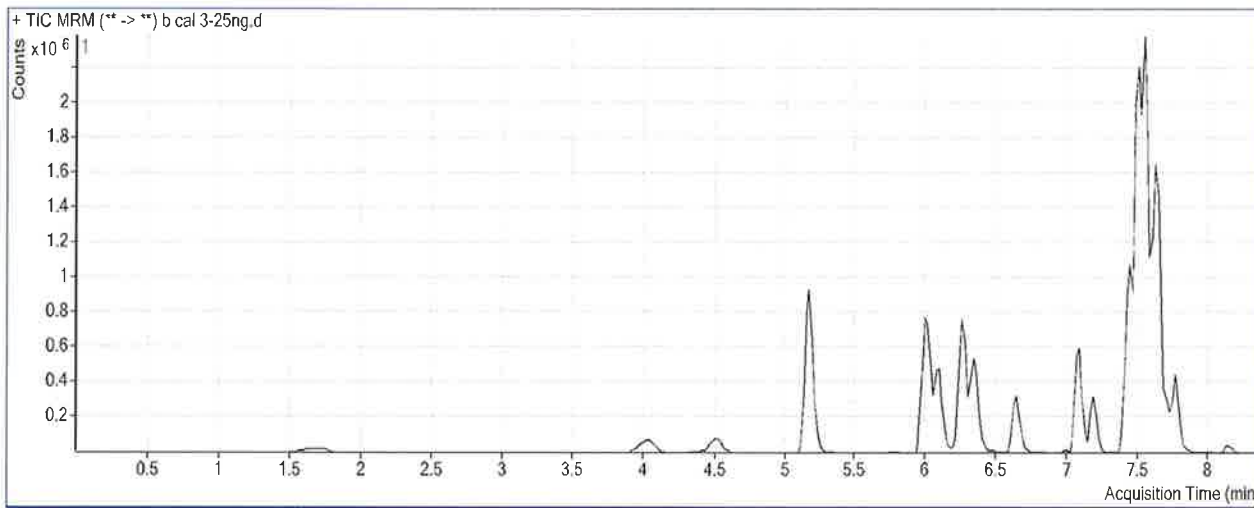
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Report Time 12/11/2018 4:07 PM **Reporter Name** ISPUser
Last Calib Update 12/11/2018 3:52 PM **Batch State** Processed

Analysis Info

Acq Time 2018-12-06 17:22 **Data File** b cal 3-25ng.d
Sample Type Calibration **Sample Name** b cal 3-25ng.d
Dilution 1 **Acq Method** MD Quant Panel 1b 7-11-18.m
Position P1-F12 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.728	126719	199767	0.6343	22.6786
Dihydrocodeine	Dihydrocodeine-D6	4.051	132896	303306	0.4382	23.3077
Noroxycodone	Noroxycodone-D3	4.533	195780	295570	0.6624	22.1335
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.181	1267875	2521692	0.5028	23.0592
Benzoylcegonine	Benzoylcegonine-d8	5.791	8405	23950	0.3509	21.8275
Ketamine	Ketamine-D4	6.002	711447	1227234	0.5797	22.8759
Norfentanyl	Norfentanyl-D5	6.044	74331	1500878	0.0495	2.8234
Cocaine	Cocaine-d3	6.252	362275	1745714	0.2075	23.5832
alpha-PVP	alpha-PVP-d8	6.348	485941	1142454	0.4253	22.9219
Mirtazapine	alpha-PVP-d8	6.644	730265	1142454	0.6392	23.0152
Norbuprenorphine	Norbuprenorphine-D3	6.994	2187	37534	0.0583	2.6185
Fentanyl	Fentanyl-D5	7.079	81952	2111496	0.0388	2.1647
Mitragynine	EDDP-D3	7.176	398350	312479	1.2748	24.4734
EDDP	EDDP-D3	7.188	149557	312479	0.4786	22.4772
Quetiapine	Quetiapine-D8	7.438	1629572	847647	1.9225	23.9060
Cyclobenzaprine	Cyclobenzaprine-D3	7.472	632895	1081161	0.5854	22.9629
Methadone	Methadone-D9	7.502	2329891	3276806	0.7110	22.6760
Fluoxetine	Fluoxetine-D6	7.542	2214621	3912855	0.5660	23.3543
Oxazepam	Oxazepam-D5	7.588	79682	189497	0.4205	21.9613

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Multi-Drug Confirmatory Analysis Report *bc13*

S

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Sertraline	Sertraline-D3	7.604	763995	1574461	0.4852	22.6280
Temazepam	Temazepam-D5	7.647	748212	1572851	0.4757	22.7023
Buprenorphine	Buprenorphine-D4	7.697	55080	625024	0.0881	2.6250
Nordiazepam	Nordiazepam-D5	7.715	270030	287193	0.9402	24.5282
Diazepam	Diazepam-D5	7.771	317504	589223	0.5389	22.2980

ISP FORENSICS - Pocatello Instrument # 59740

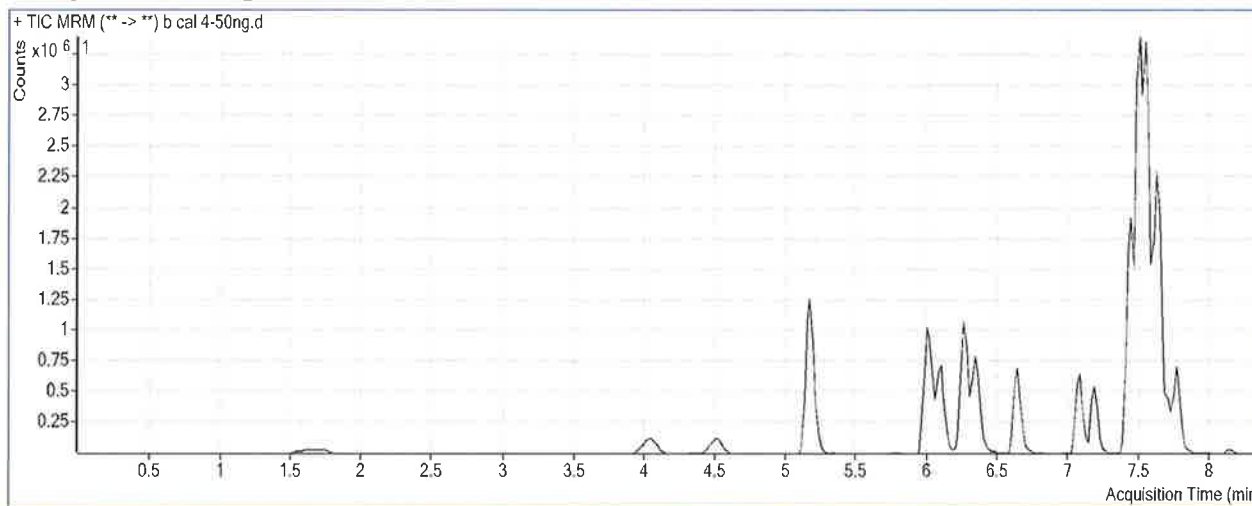
Multi-Drug Confirmatory Analysis Report

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Analysis Info

Acq Time	2018-12-06 17:53	Data File	b cal 4-50ng.d
Sample Type	Calibration	Sample Name	b cal 4-50ng.d
Dilution	1	Acq Method	MD Quant Panel 1b 7-11-18.m
Position	P1-E12	Sample Info	
Inj Vol	-1	Comment	AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.728	269732	198867	1.3563	47.2502
Dihydrocodeine	Dihydrocodeine-D6	4.051	279319	295604	0.9449	48.6794
Noroxycodone	Noroxycodone-D3	4.533	424621	289281	1.4678	47.5811
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.181	2670364	2513549	1.0624	47.5768
Benzoylcegonine	Benzoylcegonine-d8	5.791	16554	25257	0.6554	37.0910
Ketamine	Ketamine-D4	6.002	1525104	1197938	1.2731	49.0174
Norfentanyl	Norfentanyl-D5	6.044	149806	1515385	0.0989	4.8451
Cocaine	Cocaine-d3	6.252	722244	1717737	0.4205	46.7104
alpha-PVP	alpha-PVP-d8	6.348	1040008	1148085	0.9059	48.5567
Mirtazapine	alpha-PVP-d8	6.644	1553199	1148085	1.3529	47.0605
Norbuprenorphine	Norbuprenorphine-D3	6.994	4152	39586	0.1049	4.9632
Fentanyl	Fentanyl-D5	7.079	184067	2116783	0.0870	4.6642
Mitragynine	EDDP-D3	7.176	871728	303277	2.8744	55.0602
EDDP	EDDP-D3	7.188	334475	303277	1.1029	47.4652
Quetiapine	Quetiapine-D8	7.418	3433750	851342	4.0333	49.3329
Cyclobenzaprine	Cyclobenzaprine-D3	7.472	1303318	1035334	1.2588	47.2633
Methadone	Methadone-D9	7.502	4899389	3148828	1.5559	48.7299
Fluoxetine	Fluoxetine-D6	7.542	4503557	3791696	1.1877	48.4371
Oxazepam	Oxazepam-D5	7.588	147844	168984	0.8749	44.0908

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report *b cal 4*

S

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Sertraline	Sertraline-D3	7.625	1622818	1467601	1.1058	50.2011
Temazepam	Temazepam-D5	7.647	1470028	1415355	1.0386	48.0580
Buprenorphine	Buprenorphine-D4	7.697	122188	603471	0.2025	4.7613
Nordiazepam	Nordiazepam-D5	7.715	543704	271777	2.0005	50.3302
Diazepam	Diazepam-D5	7.771	689982	553166	1.2473	48.8175

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

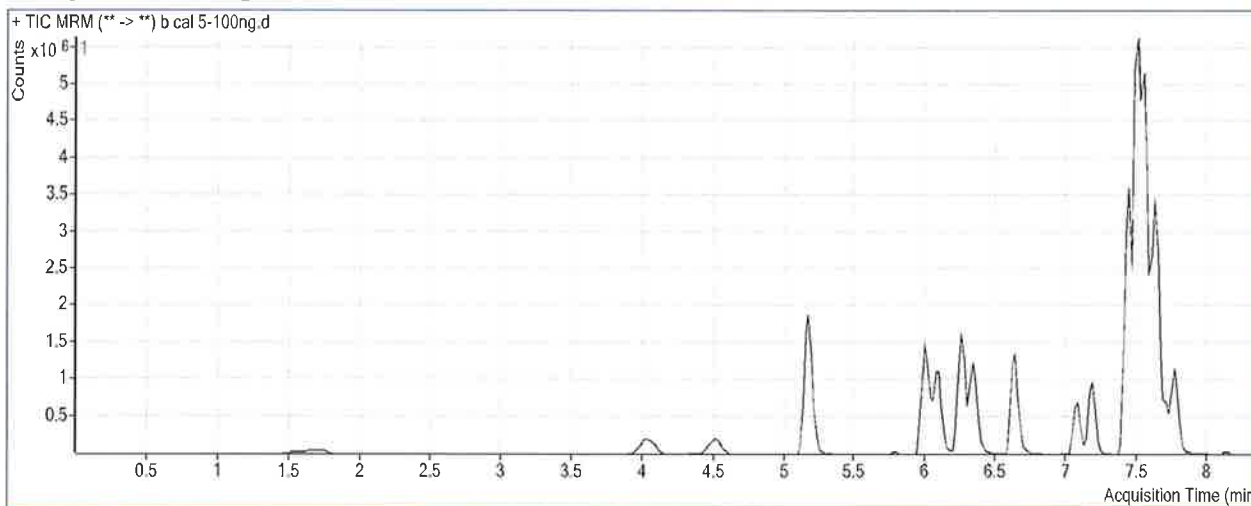
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Report Time 12/11/2018 4:07 PM **Reporter Name** ISPUser
Last Calib Update 12/11/2018 3:52 PM **Batch State** Processed

Analysis Info

Acq Time 2018-12-06 18:25 **Data File** b cal 5-100ng.d
Sample Type Calibration **Sample Name** b cal 5-100ng.d
Dilution 1 **Acq Method** MD Quant Panel 1b 7-11-18.m
Position P1-D12 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.728	552315	185155	2.9830	102.6091
Dihydrocodeine	Dihydrocodeine-D6	4.051	577218	289930	1.9909	101.0484
Noroxycodone	Noroxycodone-D3	4.533	864367	282276	3.0621	97.9502
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.181	5280668	2454384	2.1515	95.2950
Benzoylcegonine	Benzoylcegonine-d8	5.791	34978	22288	1.5694	82.9098
Ketamine	Ketamine-D4	6.002	2998640	1151465	2.6042	99.2007
Norfentanyl	Norfentanyl-D5	6.044	309018	1458957	0.2118	9.4741
Cocaine	Cocaine-d3	6.252	1390231	1594912	0.8717	95.7151
alpha-PVP	alpha-PVP-d8	6.348	2039317	1109495	1.8381	98.2879
Mirtazapine	alpha-PVP-d8	6.644	3063664	1109495	2.7613	94.5158
Norbuprenorphine	Norbuprenorphine-D3	6.994	7114	41759	0.1704	8.2563
Fentanyl	Fentanyl-D5	7.079	371692	2009262	0.1850	9.7538
Mitragynine	EDDP-D3	7.176	1679520	301430	5.5718	106.6415
EDDP	EDDP-D3	7.188	652697	301430	2.1653	89.9941
Quetiapine	Quetiapine-D8	7.418	6795593	818215	8.3054	100.7923
Cyclobenzaprine	Cyclobenzaprine-D3	7.472	2577236	993759	2.5934	95.4193
Methadone	Methadone-D9	7.502	9820963	3020212	3.2517	101.0218
Fluoxetine	Fluoxetine-D6	7.542	8823755	3543513	2.4901	100.9773
Oxazepam	Oxazepam-D5	7.588	307381	150554	2.0417	100.9117

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report *bcq15*

P

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Sertraline	Sertraline-D3	7.604	2862748	1425691	2.0080	90.2912
Temazepam	Temazepam-D5	7.647	2761067	1300835	2.1225	96.8803
Buprenorphine	Buprenorphine-D4	7.697	246821	570226	0.4328	9.0650
Nordiazepam	Nordiazepam-D5	7.715	947111	250364	3.7829	93.7033
Diazepam	Diazepam-D5	7.771	1315281	533170	2.4669	94.4683

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

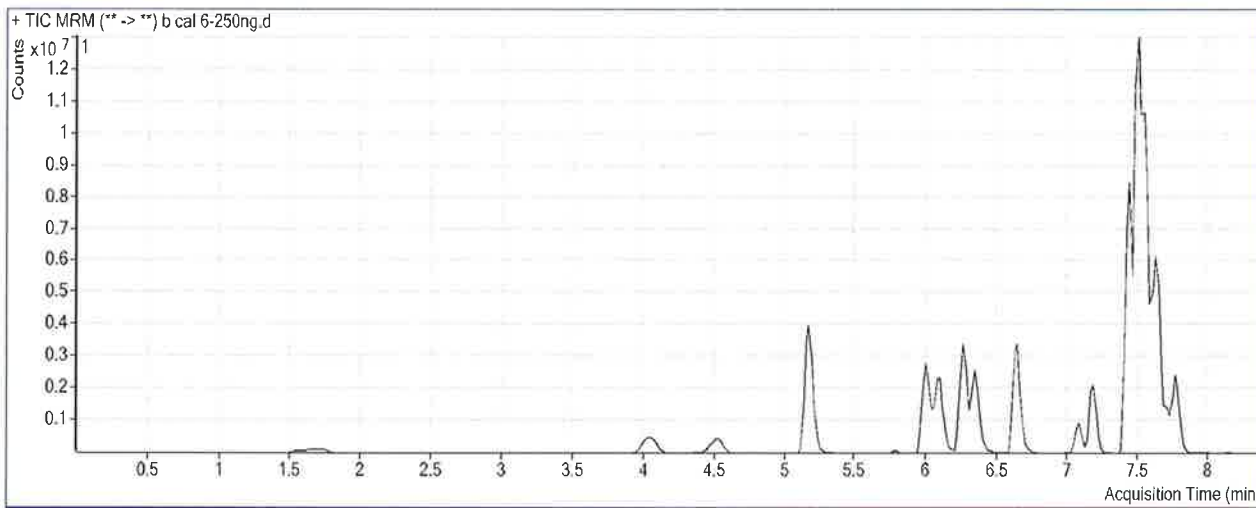
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Report Time 12/11/2018 4:07 PM **Reporter Name** ISPUser
Last Calib Update 12/11/2018 3:52 PM **Batch State** Processed

Analysis Info

Acq Time 2018-12-06 18:57 **Data File** b cal 6-250ng.d
Sample Type Calibration **Sample Name** b cal 6-250ng.d
Dilution 1 **Acq Method** MD Quant Panel 1b 7-11-18.m
Position P1-C12 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.728	1406476	182801	7.6940	262.9365
Dihydrocodeine	Dihydrocodeine-D6	4.051	1475839	288258	5.1199	257.7064
Noroxycodone	Noroxycodone-D3	4.533	2074350	261628	7.9286	251.7007
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.181	13808383	2407516	5.7355	252.3203
Benzoylcegonine	Benzoylcegonine-d8	5.791	100761	21491	4.6885	239.2703
Ketamine	Ketamine-D4	6.002	7293422	1125559	6.4798	245.3156
Norfentanyl	Norfentanyl-D5	6.044	766506	1368046	0.5603	23.7559
Cocaine	Cocaine-d3	6.252	3430163	1552197	2.2099	241.0567
alpha-PVP	alpha-PVP-d8	6.348	4927716	1044066	4.7197	252.0210
Mirtazapine	alpha-PVP-d8	6.644	7873537	1044066	7.5412	255.5664
Norbuprenorphine	Norbuprenorphine-D3	6.994	16149	35026	0.4611	22.8783
Fentanyl	Fentanyl-D5	7.079	947621	1925237	0.4922	25.7038
Mitragynine	EDDP-D3	7.176	3942867	290996	13.5496	259.1922
EDDP	EDDP-D3	7.188	1698906	290996	5.8382	237.0158
Quetiapine	Quetiapine-D8	7.438	16585153	767161	21.6189	261.1619
Cyclobenzaprine	Cyclobenzaprine-D3	7.472	6322808	946265	6.6819	242.9431
Methadone	Methadone-D9	7.502	26001172	2888129	9.0028	278.3605
Fluoxetine	Fluoxetine-D6	7.542	22060429	3151765	6.9994	282.8900
Oxazepam	Oxazepam-D5	7.588	679492	128807	5.2753	258.3872

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report *b cal b*

P

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Sertraline	Sertraline-D3	7.625	6541796	1149600	5.6905	253.9259
Temazepam	Temazepam-D5	7.647	6152790	1118482	5.5010	249.0569
Buprenorphine	Buprenorphine-D4	7.697	593071	498883	1.1888	23.1874
Nordiazepam	Nordiazepam-D5	7.715	2217934	210556	10.5337	257.9789
Diazepam	Diazepam-D5	7.771	3080624	479390	6.4261	242.6687

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

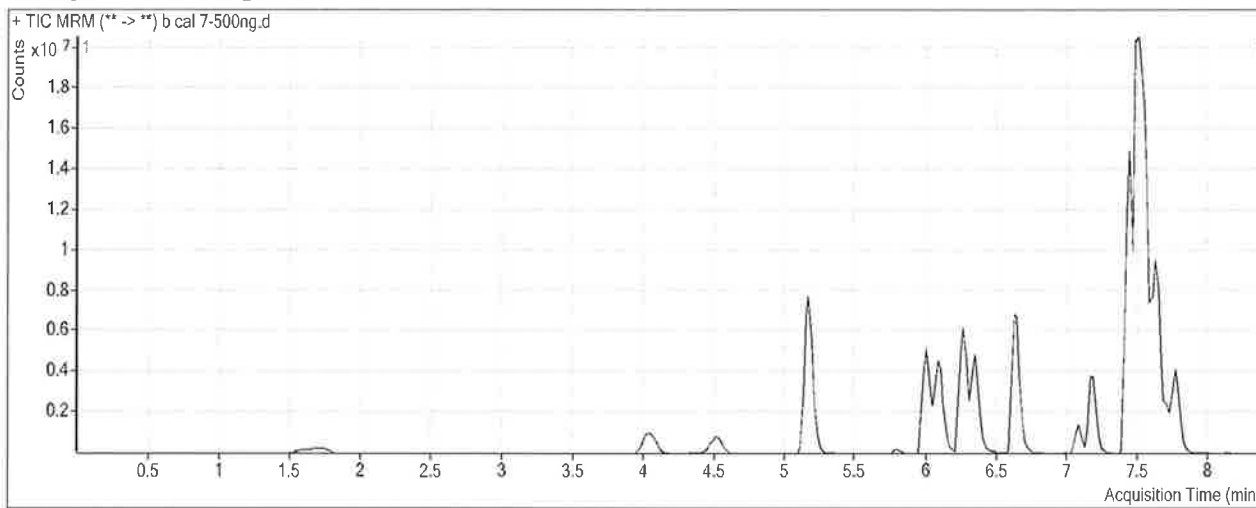
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Report Time 12/11/2018 4:07 PM **Reporter Name** ISPUser
Last Calib Update 12/11/2018 3:52 PM **Batch State** Processed

Analysis Info

Acq Time 2018-12-06 19:28 **Data File** b cal 7-500ng.d
Sample Type Calibration **Sample Name** b cal 7-500ng.d
Dilution 1 **Acq Method** MD Quant Panel 1b 7-11-18.m
Position P1-B12 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.728	2852494	187872	15.1831	517.8092
Dihydrocodeine	Dihydrocodeine-D6	4.051	2939993	290398	10.1240	508.2498
Noroxycodone	Noroxycodone-D3	4.513	3858553	237469	16.2486	514.5602
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.181	29060574	2372013	12.2514	537.8004
Benzoylcegonine	Benzoylcegonine-d8	5.791	256053	24250	10.5590	533.5574
Ketamine	Ketamine-D4	6.002	15605417	1150999	13.5582	512.1755
Norfentanyl	Norfentanyl-D5	6.044	1462660	1248790	1.1713	48.7949
Cocaine	Cocaine-d3	6.252	6722527	1493596	4.5009	489.8823
alpha-PVP	alpha-PVP-d8	6.348	10071274	1037539	9.7069	518.0782
Mirtazapine	alpha-PVP-d8	6.624	16399429	1037539	15.8061	534.0364
Norbuprenorphine	Norbuprenorphine-D3	6.994	34013	30511	1.1148	55.7582
Fentanyl	Fentanyl-D5	7.079	1953225	1927530	1.0133	52.7589
Mitragynine	EDDP-D3	7.156	7121322	280356	25.4010	485.8157
EDDP	EDDP-D3	7.188	3544769	280356	12.6438	509.4327
Quetiapine	Quetiapine-D8	7.438	28775199	679888	42.3234	510.5615
Cyclobenzaprine	Cyclobenzaprine-D3	7.472	11579211	832930	13.9018	503.4614
Methadone	Methadone-D9	7.502	44057238	2781138	15.8414	489.2378
Fluoxetine	Fluoxetine-D6	7.542	34371833	2681482	12.8182	517.6329
Oxazepam	Oxazepam-D5	7.588	1103520	101536	10.8683	530.7637

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

b cal 7

P

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Sertraline	Sertraline-D3	7.625	11157338	919632	12.1324	540.1741
Temazepam	Temazepam-D5	7.647	10664565	921153	11.5774	522.7553
Buprenorphine	Buprenorphine-D4	7.697	1199003	449461	2.6676	50.8147
Nordiazepam	Nordiazepam-D5	7.715	3790915	174696	21.7000	529.7038
Diazepam	Diazepam-D5	7.771	5770848	443745	13.0049	488.9223

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

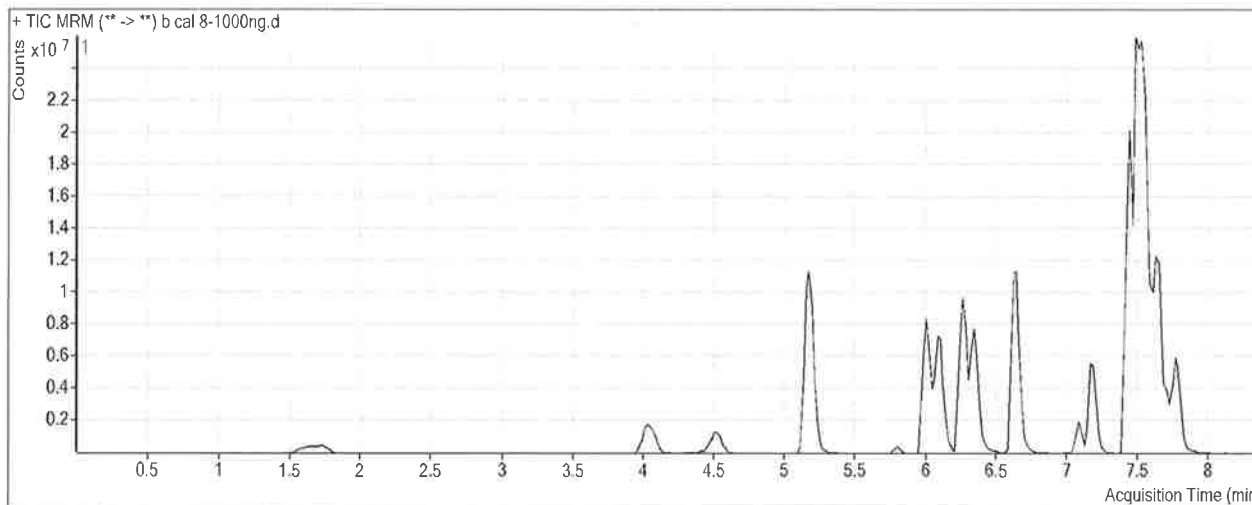
D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\120618 MDQ P1 SP\QuantResults\P1b.batch.bin
Analysis Time 12/11/2018 3:52 PM **Analyst Name** ISPUser
Report Time 12/11/2018 4:08 PM **Reporter Name** ISPUser
Last Calib Update 12/11/2018 3:52 PM **Batch State** Processed

Analysis Info

Acq Time 2018-12-06 20:00 **Data File** b cal 8-1000ng.d
Sample Type Calibration **Sample Name** b cal 8-1000ng.d
Dilution 1 **Acq Method** MD Quant Panel 1b 7-11-18.m
Position P1-A12 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.728	4971872	162234	30.6464	1044.0595
Dihydrocodeine	Dihydrocodeine-D6	4.051	4958744	252155	19.6655	985.9633
Noroxycodone	Noroxycodone-D3	4.513	6272400	173048	36.2466	1146.3693
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.181	48162366	1945843	24.7514	1085.4592
Benzoylcegonine	Benzoylcegonine-d8	5.791	584363	20749	28.1638	1416.0873
Ketamine	Ketamine-D4	6.002	27558108	947464	29.0862	1097.5967
Norfentanyl	Norfentanyl-D5	6.044	2395472	962352	2.4892	102.8066
Cocaine	Cocaine-d3	6.252	11016239	1166162	9.4466	1027.0271
alpha-PVP	alpha-PVP-d8	6.348	17217641	846337	20.3437	1085.5372
Mirtazapine	alpha-PVP-d8	6.644	27548960	846337	32.5508	1098.2207
Norbuprenorphine	Norbuprenorphine-D3	6.994	54402	24714	2.2012	110.4042
Fentanyl	Fentanyl-D5	7.079	3284744	1514664	2.1686	112.7387
Mitragynine	EDDP-D3	7.156	10160390	225195	45.1181	862.8483
EDDP	EDDP-D3	7.188	5703477	225195	25.3268	1017.1154
Quetiapine	Quetiapine-D8	7.438	37450438	461494	81.1505	978.2577
Cyclobenzaprine	Cyclobenzaprine-D3	7.472	16705868	596856	27.9898	1011.8018
Methadone	Methadone-D9	7.502	55038994	2113755	26.0385	803.6740
Fluoxetine	Fluoxetine-D6	7.542	42417844	1869015	22.6953	916.0927
Oxazepam	Oxazepam-D5	7.588	1648556	72410	22.7669	1110.2211

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report *b cal 8*

S

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Sertraline	Sertraline-D3	7.625	14528941	590558	24.6021	1094.2695
Temazepam	Temazepam-D5	7.647	16381552	664634	24.6475	1111.4684
Buprenorphine	Buprenorphine-D4	7.697	1893308	310897	6.0898	114.7464
Nordiazepam	Nordiazepam-D5	7.715	5155496	125930	40.9393	997.8796
Diazepam	Diazepam-D5	7.771	8832283	322665	27.3729	1026.7429