

13

Worklist: 2251

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>	
M2017-5691	1	110098	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
M2018-0557	1	110097	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
M2018-0925	2	110099	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-0036	1	110101	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-0504	1	110100	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-0505	1	110102	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-0506	1	110103	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-0507	1	110104	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-0508	1	110105	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-0527	1	110106	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-0528	3	110107	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-0544	1	110108	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-0563	1	110109	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-0564	1	110110	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-0565	1	110111	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-0566	1	110112	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-0569	1	110113	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-0573	1	110114	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-0574	1	110115	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-0580	1	110116	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-0581	1	110117	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-0582	1	110118	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-0602	1	110119	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	

TS

Worklist: 2251

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>
P2018-0606	1	110121	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC



Multi-Drug Quantitation in Blood by LC-MS/M

TS

Extraction Date: 04/02/18
Plate lot#: 0507680

Analyst: Tamara Salazar
Plate Expiration: 06/05/2018

Mobile phase A: 5mM Amm Form + 0.01% FA
0.5M Ammonium Hydroxide
20% Methanol in Water

Mobile phase B: 0.01% Formic Acid in MeOH
Ethyl Acetate

Blank Blood Lot: Hemostat 361331-2
LCMS-QQQ ID: 59740

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

Pre-Analytic:

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

Analytic:

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

Post-Analytic

- 1. Create batch and process data.
Worklist path: *C:\MassHunter\Data\2018\MD Quant\040218 MDQ P1 TS worklist 2251*
Batch Name: *MDQ Panel 1a TS worklist 2251.batch.bin*
MDQ Panel 1b TS worklist 2251.batch.bin
- 2. Make necessary changes to integration limits
- 3. Integration linear and r^2 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%, S/N for primary >10 and secondary transitions >5.
- 5. Did all QCs pass for each analyte? Y / N _____
- 6. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

Multi-Drug Quantitation in Blood by LC-MS/M Cont.

TS

Extraction Date: 04/02/18

Analyst: Tamara Salazar

Comments

Not evaluated: Codeine, Norbuprenorphine

Curves limited: 6-MAM: 1-100

Lorazepam: 5-50

Morphine: 10-1000

Norhydrocodone: 10-500

Phentermine: 10-1000

Acetyl Fentanyl: 2.5-100

Buprenorphine: 5-100

Fentanyl: 2.5-100

Norfentanyl: 1-100



Idaho State Police Forensic Services

TS

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

Analyst: Tamara Salazar
Extraction Date: 04/02/18
Worklist Number: 2251

<i>Reagent</i>	<i>Lot Number</i>	<i>Expiration Date</i>	<i>Date in Service</i>	<i>Date Out of Service</i>	<i>Initials</i>
ToxBox Benzo/Opiate Quant Plate	0507680	06/05/18			
Negative Blood	361331-2		12/27/17		
Methanol External Control Solution	121217	06/12/18	12/12/17		
Blood External Control Solution	WS121217	06/12/18	12/12/17		
0.5M Ammonium Hydroxide	032918	09/29/18	03/29/18		
Formic Acid (LCMS Grade)	095180B		11/15/17		
Water (LCMS Grade)	102501		06/12/17		
Methanol (LCMS Grade)	172517		03/19/18		
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	Made Fresh				
5mM Ammonium Formate + 0.01% Formic Acid in Water (Mobile Phase A)	031918		031918		
0.01% Formic Acid in Methanol (Mobile Phase B)	031918		031918		
Needle Rinse--75% LCMS MeOH in LCMS Water	030618		030618		

Methanol External Control Solution (Lot: WS121217)
100 ul each 1 mg/mL stock solution in 9600 ul MeOH

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>	<i>Expiration Date</i>
Methanol (LCMS)	Fisher	172516	
Trazodone	Cerilliant	FN12151403	01/01/2020
Ketamine	Cerilliant	FE01131504	02/01/2020
Morphine	Cerilliant	FE08141515	11/01/2020
Quetiapine	Cerilliant	FN02021502	02/01/2020
Prepared:	12/12/17		
Prepared By:	Tamara Salazar		
Expires:	06/12/18		

Blood External Control Solution (Lot: 121217)*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	361331-2
Methanol External Control Solution		WS121217
Prepared:	12/12/17	
Prepared by:	Tamara Salazar	
Expires:	06/12/18	

0.5M Ammonium Hydroxide (Lot: 031918)

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
Ammonium Hydroxide (ACS grade or better)	Fisher	053200
DI Water		
Prepared:	03/19/18	
Prepared By:	Tamara Salazar	
Expires:	09/19/18	

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

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
MeOH (LCMS Grade)	Fisher	172517
Water (LCMS Grade)	Fisher	102501

5mM Ammonium Formate + 0.01% Formic Acid in Water (Lot: 031918)

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
Ammonium Formate	Fisher	A0287238
LCMS Water	Fisher	102501
Formic Acid	Fisher	095180B
Prepared:	03/19/18	
Prepared By:	Tamara Salazar	

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

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

Needle Rinse (75% LCMS MeOH in LCMS Water) (Lot: 030618)

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
MeOH (LCMS Grade)	Fisher	172516
Water (LCMS Grade)	Fisher	102501
Prepared:	03/06/18	
Prepared By:	Tamara Salazar	

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ISP FORENSICS - Pocatello Instrument # 59740

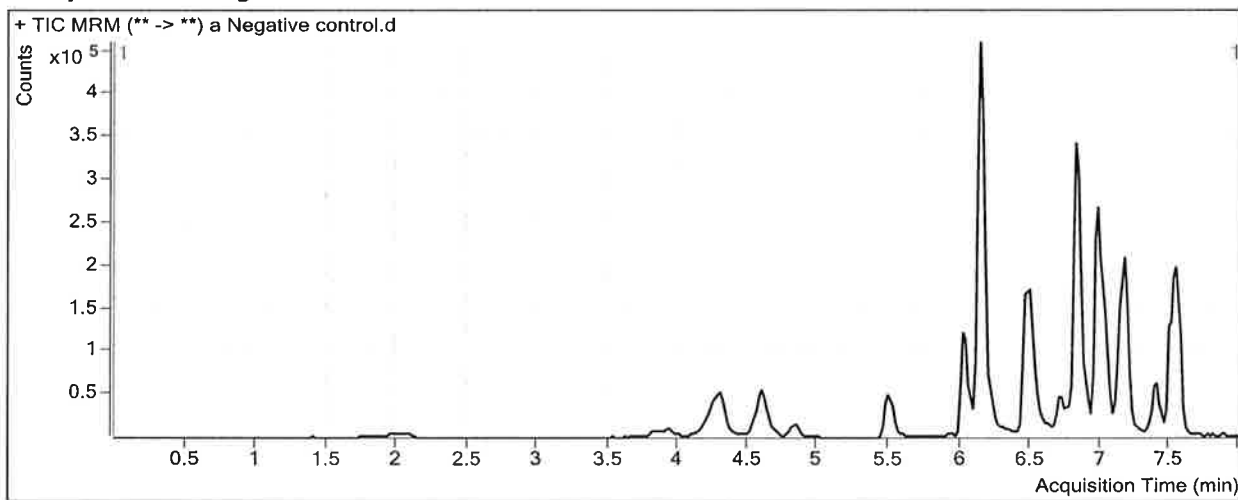
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist 2251\QuantResults\MDQ P
Analysis Time 4/4/2018 2:49 PM **Analyst Name** ISPUser
Report Time 4/4/2018 2:51 PM **Reporter Name** ISPUser
Last Calib Update 4/4/2018 2:49 PM **Batch State** Processed

Analysis Info

Acq Time 2018-04-02 17:13 **Data File** a Negative control.d
Sample Type Sample **Sample Name** a Negative control
Dilution 1 **Acq Method** MD Quant Panel 1a 1-19-2018.m
Position P1-D11 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist 2301 2251 - 13

Sample Chromatogram



TS

ISP FORENSICS - Pocatello Instrument # 59740

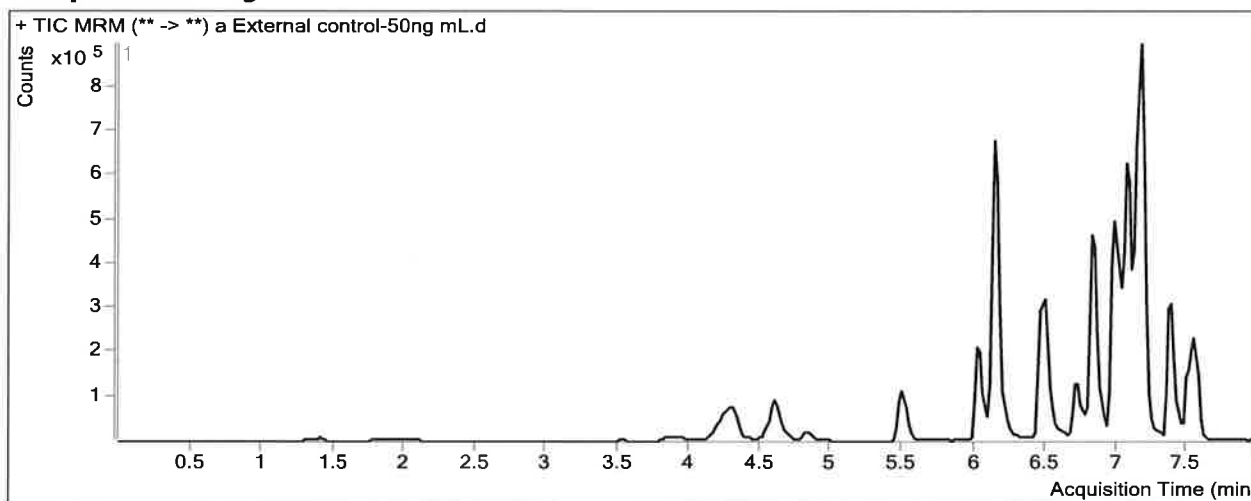
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist 2251\QuantResults\MDQ Panel 1a TS v
Analysis Time 4/4/2018 2:01 PM **Analyst Name** ISPUser
Report Time 4/4/2018 2:07 PM **Reporter Name** ISPUser
Last Calib Update 4/4/2018 2:01 PM **Batch State** Processed

Analysis Info

Acq Time 2018-04-02 17:44 **Data File** a External control-50ng mL.d
Sample Type Sample **Sample Name** a External control-50ng mL
Dilution 1 **Acq Method** MD Quant Panel 1a 1-19-2018.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
Morphine	Morphine-D6	1.408	12908	4905	2.6314	53.4416
Amphetamine	Amphetamine-D11	4.324	38099	205012	0.1858	0.2925 <5
Trazodone	Trazodone-D6	7.076	927743	795566	1.1661	39.9287

TS

ISP FORENSICS - Pocatello Instrument # 59740

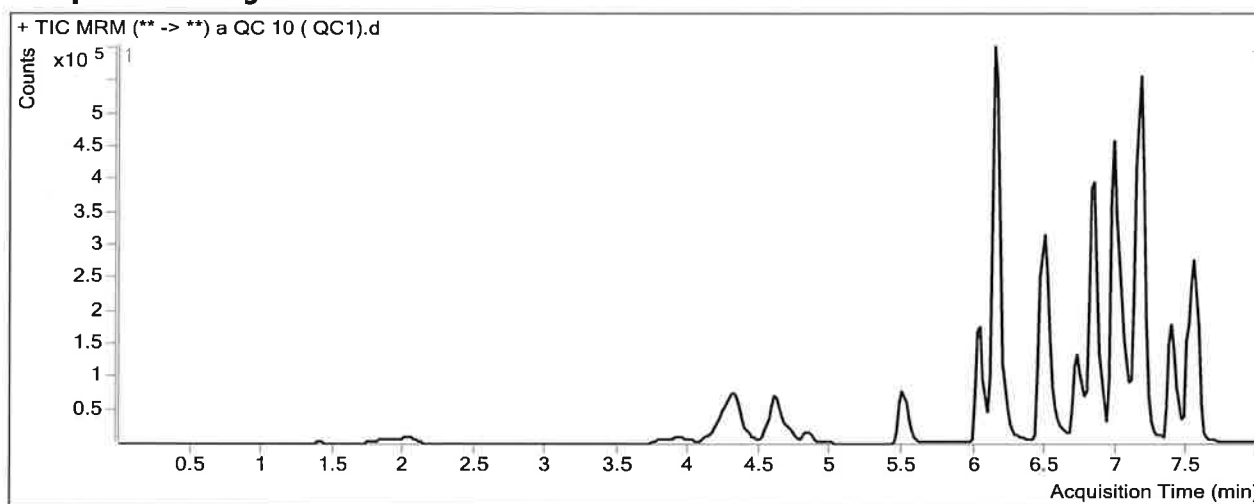
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist 2251\QuantResults\MDQ Panel 1a TS v
Analysis Time 4/5/2018 3:05 PM **Analyst Name** ISPUser
Report Time 4/5/2018 3:25 PM **Reporter Name** ISPUser
Last Calib Update 4/5/2018 3:05 PM **Batch State** Processed

Analysis Info

Acq Time 2018-04-02 18:47 **Data File** a QC 10 (QC1).d
Sample Type QC **Sample Name** a QC 10 (QC1)
Dilution 1 **Acq Method** MD Quant Panel 1a 1-19-2018.m
Position P1-H11 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist 2301- 2251 - TS

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.388	2359	4586	0.5143	9.6735
Hydromorphone	Hydromorphone-D6	2.029	8951	34304	0.2609	10.2631
Codeine	Codeine-D6	3.972	10437	45499	0.2294	10.5729 <i>Compound not evaluated. TS</i>
Oxycodone	Oxycodone-D6	4.330	91382	344998	0.2649	9.6835
Amphetamine	Amphetamine-D11	4.344	113102	142870	0.7916	8.4561
Hydrocodone	Hydrocodone-D6	4.635	28184	180121	0.1565	9.7165
Norhydrocodone	Norhydrocodone-D3	4.679	1470	37670	0.0390	14.7346 <i>Not evaluated. Poor quality. Peak Shape. - TS</i>
Methamphetamine	Methamphetamine-D11	4.724	52743	165418	0.3188	8.8947
6-MAM	6-MAM-D6	4.849	1280	59702	0.0214	0.9189
Phentermine	Phentermine-D5	5.546	35846	319755	0.1121	8.6727
Dextrorphan	Dextrorphan-D3	6.042	48914	542820	0.0901	9.3284
7-aminoclonazepam	7-Aminoclonazepam-D4	6.134	66698	298691	0.2233	9.3781
Tramadol	Tramadol-13C-D3	6.159	362862	1855482	0.1956	9.9220
Doxylamine	Doxylamine-D5	6.502	198601	1119981	0.1773	9.3869
Bupropion	Bupropion-D9	6.750	90945	367492	0.2475	9.0623
Meprobamate	Meprobamate-D7	6.813	26425	116248	0.2273	9.3788
Zolpidem	Zolpidem-D6	6.842	223614	1377196	0.1624	9.9550
Venlafaxine	Venlafaxine-D6	6.986	286720	1241800	0.2309	10.4985
Trazodone	Trazodone-D6	7.076	98918	382353	0.2587	9.5060
Citalopram	Citalopram-D6	7.118	107390	487290	0.2204	11.4260

TS

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report a QC 10 (QC1)

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Dextromethorphan	Dextromethorphan-D3	7.150	32680	148653	0.2198	10.0690
Diphenhydramine	Diphenhydramine-D3	7.173	179581	1186993	0.1513	9.3643
Promethazine	Promethazine-D3	7.388	93610	387275	0.2417	10.2546
Clonazepam	Clonazepam-D4	7.405	80343	77404	1.0380	9.6552
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.480	13933	74411	0.1872	9.7916
Carisoprodol	Carisoprodol-D7	7.514	68042	296891	0.2292	9.2096
Lorazepam	Alprazolam-D5	7.523	34215	487759	0.0701	9.0720
Alprazolam	Alprazolam-D5	7.547	150894	487759	0.3094	9.4856

TS

ISP FORENSICS - Pocatello Instrument # 59740

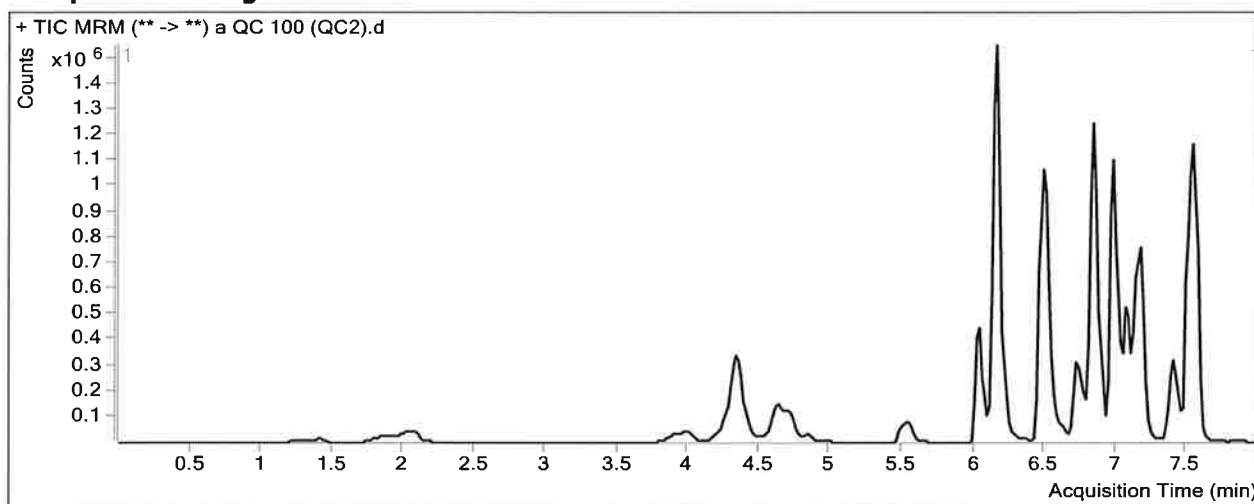
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist 2251\QuantResults\MDQ Panel 1a TS v
Analysis Time 4/5/2018 3:05 PM **Analyst Name** ISPUser
Report Time 4/5/2018 3:25 PM **Reporter Name** ISPUser
Last Calib Update 4/5/2018 3:05 PM **Batch State** Processed

Analysis Info

Acq Time 2018-04-02 21:25 **Data File** a QC 100 (QC2).d
Sample Type QC **Sample Name** a QC 100 (QC2)
Dilution 1 **Acq Method** MD Quant Panel 1a 1-19-2018.m
Position P1-G11 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist 2301 2251 -TS

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.388	27167	5240	5.1847	106.2285
Hydromorphone	Hydromorphone-D6	2.069	118915	40319	2.9494	87.1808
Codeine	Codeine-D6	3.992	103346	43769	2.3612	89.4782 <i>Compound not evaluated. TS</i>
Oxycodone	Oxycodone-D6	4.330	972385	322700	3.0133	99.5241
Amphetamine	Amphetamine-D11	4.364	667208	88478	7.5410	99.4075
Hydrocodone	Hydrocodone-D6	4.635	293738	166112	1.7683	100.9448
Norhydrocodone	Norhydrocodone-D3	4.659	14138	34245	0.4129	91.8673
Methamphetamine	Methamphetamine-D11	4.724	390694	122304	3.1945	85.9852
6-MAM	6-MAM-D6	4.849	12614	61241	0.2060	8.1872
Phentermine	Phentermine-D5	5.546	250145	206585	1.2109	103.5261
Dextrophan	Dextrophan-D3	6.042	472430	448290	1.0538	97.4423
7-aminoclonazepam	7-Aminoclonazepam-D4	6.134	668178	286644	2.3310	98.6433
Tramadol	Tramadol-13C-D3	6.159	3517035	1700538	2.0682	91.7425
Doxylamine	Doxylamine-D5	6.483	1704291	906229	1.8806	92.9603
Bupropion	Bupropion-D9	6.750	526377	199131	2.6434	88.2320
Meprobamate	Meprobamate-D7	6.833	322751	118667	2.7198	105.9133
Zolpidem	Zolpidem-D6	6.842	2415971	1409528	1.7140	89.3632
Venlafaxine	Venlafaxine-D6	6.986	2202508	958765	2.2972	87.8778
Trazodone	Trazodone-D6	7.055	810079	274441	2.9517	99.7928
Citalopram	Citalopram-D6	7.138	538275	262487	2.0507	90.9395

TS

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report a QC 100 (QC2)

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Dextromethorphan	Dextromethorphan-D3	7.170	139296	52210	2.6680	99.6977
Diphenhydramine	Diphenhydramine-D3	7.173	871487	534819	1.6295	92.6684
Promethazine	Promethazine-D3	7.368	265051	107312	2.4699	91.9391
Clonazepam	Clonazepam-D4	7.405	682565	62496	10.9217	96.1352
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.480	149686	71749	2.0862	87.7363
Carisoprodol	Carisoprodol-D7	7.514	775950	312378	2.4840	93.4302
Lorazepam	Alprazolam-D5	7.523	267747	490781	0.5456	68.7794
Alprazolam	Alprazolam-D5	7.547	1590093	490781	3.2399	91.2395

outside curve range. TS

TS

ISP FORENSICS - Pocatello Instrument # 59740

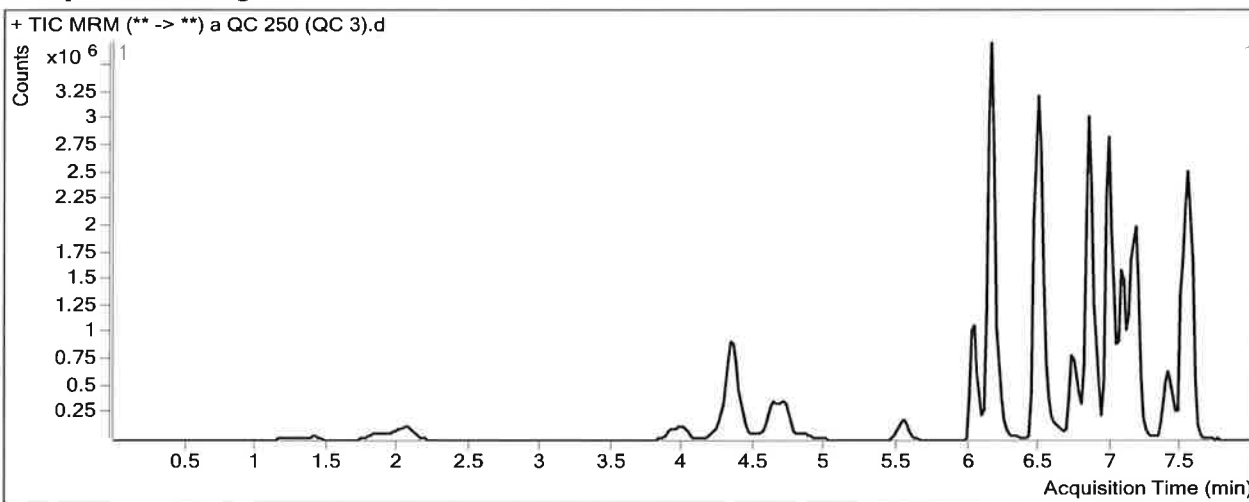
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist 2251\QuantResults\MDQ Panel 1a TS v
Analysis Time 4/5/2018 3:05 PM **Analyst Name** ISPUser
Report Time 4/5/2018 3:25 PM **Reporter Name** ISPUser
Last Calib Update 4/5/2018 3:05 PM **Batch State** Processed

Analysis Info

Acq Time 2018-04-03 00:02 **Data File** a QC 250 (QC 3).d
Sample Type QC **Sample Name** a QC 250 (QC 3)
Dilution 1 **Acq Method** MD Quant Panel 1a 1-19-2018.m
Position P1-F11 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist 2301-2251 - TS

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.388	61044	5692	10.7247	220.7607
Hydromorphone	Hydromorphone-D6	2.069	332116	44100	7.5310	218.2641
Codeine	Codeine-D6	3.992	296298	49301	6.0100	224.5354
Oxycodone	Oxycodone-D6	4.350	2839603	362137	7.8412	257.3421
Amphetamine	Amphetamine-D11	4.344	1892689	102278	18.5054	247.1596
Hydrocodone	Hydrocodone-D6	4.635	828817	188833	4.3891	249.2798
Norhydrocodone	Norhydrocodone-D3	4.679	44909	36065	1.2452	263.6183
Methamphetamine	Methamphetamine-D11	4.724	1191612	130584	9.1252	244.9797
6-MAM	6-MAM-D6	4.849	37059	66043	0.5611	22.1763
Phentermine	Phentermine-D5	5.546	691301	238437	2.8993	249.2867
Dextrophan	Dextrophan-D3	6.042	1406372	520138	2.7038	248.3001
7-aminoclonazepam	7-Aminoclonazepam-D4	6.134	1730800	293423	5.8987	249.7359
Tramadol	Tramadol-13C-D3	6.159	10228501	1932526	5.2928	232.6358
Doxylamine	Doxylamine-D5	6.483	5531719	1157788	4.7778	235.1116
Bupropion	Bupropion-D9	6.730	1428701	195182	7.3198	242.7615
Meprobamate	Meprobamate-D7	6.833	814390	115366	7.0592	273.9783
Zolpidem	Zolpidem-D6	6.842	6574808	1548830	4.2450	218.8897
Venlafaxine	Venlafaxine-D6	6.986	6815177	1077844	6.3230	238.6316
Trazodone	Trazodone-D6	7.076	2516542	339946	7.4028	249.0180
Citalopram	Citalopram-D6	7.138	1535943	304734	5.0403	220.8173

Compound not
 evaluated. TS

TS

ISP FORENSICS - Pocatello Instrument # 59740

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

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Dextromethorphan	Dextromethorphan-D3	7.150	464236	65905	7.0440	259.9048
Diphenhydramine	Diphenhydramine-D3	7.173	2846008	654719	4.3469	245.8079
Promethazine	Promethazine-D3	7.368	738419	113725	6.4930	239.4242
Clonazepam	Clonazepam-D4	7.405	1441251	53820	26.7791	234.8827
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.480	352949	64646	5.4597	226.2014
Carisoprodol	Carisoprodol-D7	7.514	1924115	283345	6.7907	254.2906
Lorazepam	Alprazolam-D5	7.523	426365	468376	0.9103	114.5897
Alprazolam	Alprazolam-D5	7.547	3908619	468376	8.3451	233.6575

outside conc range. TS

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

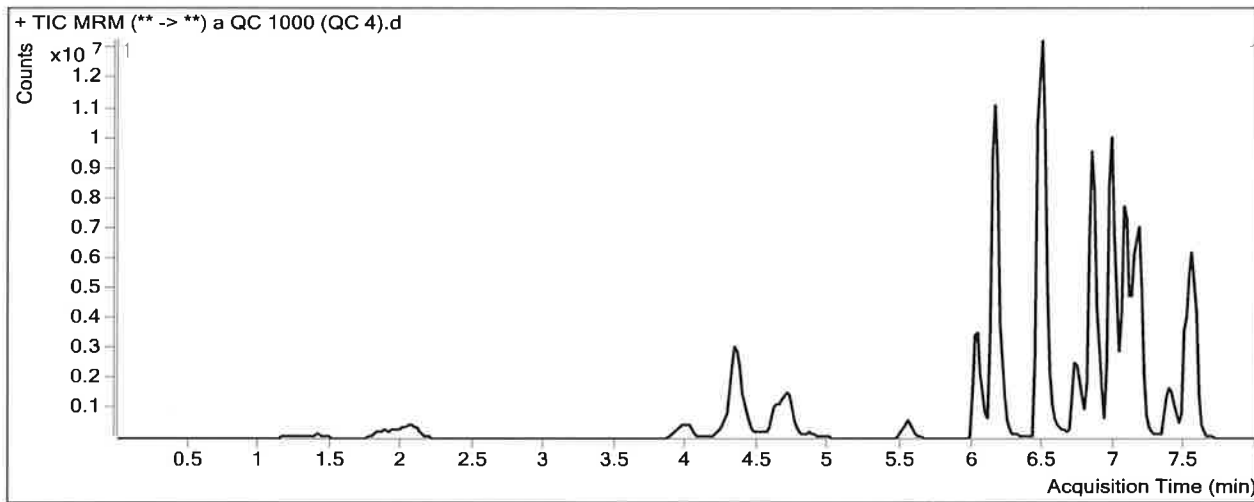
TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist 2251\QuantResults\MDQ Panel 1a TS w
Analysis Time 4/5/2018 3:05 PM **Analyst Name** ISPUser
Report Time 4/5/2018 3:25 PM **Reporter Name** ISPUser
Last Calib Update 4/5/2018 3:05 PM **Batch State** Processed

Analysis Info

Acq Time 2018-04-03 03:26 **Data File** a QC 1000 (QC 4).d
Sample Type QC **Sample Name** a QC 1000 (QC 4)
Dilution 1 **Acq Method** MD Quant Panel 1a 1-19-2018.m
Position P1-E11 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist: 2301 2251 - TS

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.388	219030	4653	47.0736	972.2315
Hydromorphone	Hydromorphone-D6	2.069	1267593	34098	37.1746	1066.3898
Codeine	Codeine-D6	3.992	930861	37374	24.9065	923.9704
Oxycodone	Oxycodone-D6	4.330	9354863	308055	30.3675	993.6896
Amphetamine	Amphetamine-D11	4.344	5615960	86931	64.6023	868.3442
Hydrocodone	Hydrocodone-D6	4.635	2875908	161388	17.8198	1009.4355
Norhydrocodone	Norhydrocodone-D3	4.679	148479	24193	6.1372	1272.9931
Methamphetamine	Methamphetamine-D11	4.724	5182645	133072	38.9462	1044.4318
6-MAM	6-MAM-D6	4.849	139787	57317	2.4388	96.1330
Phentermine	Phentermine-D5	5.546	2715380	216932	12.5172	1079.5858
Dextrophan	Dextrophan-D3	6.022	5345580	452728	11.8075	1080.6395
7-aminoclonazepam	7-Aminoclonazepam-D4	6.134	4854928	217874	22.2832	943.6407
Tramadol	Tramadol-13C-D3	6.159	38443751	1754252	21.9146	958.8906
Doxylamine	Doxylamine-D5	6.483	23986187	1146684	20.9179	1027.0248
Bupropion	Bupropion-D9	6.730	4837960	155453	31.1217	1029.2701
Meprobamate	Meprobamate-D7	6.813	2245066	87329	25.7080	996.2485
Zolpidem	Zolpidem-D6	6.842	24652232	1340397	18.3917	942.8665
Venlafaxine	Venlafaxine-D6	6.986	28985551	1065620	27.2006	1020.4473
Trazodone	Trazodone-D6	7.055	12228113	378829	32.2787	1083.0092
Citalopram	Citalopram-D6	7.118	5958761	278724	21.3787	930.6110

Compound not evaluated. TS

outside curve range. TS

TS

ISP FORENSICS - Pocatello Instrument # 59740

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

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Dextromethorphan	Dextromethorphan-D3	7.150	1784469	63316	28.1837	1033.8405
Diphenhydramine	Diphenhydramine-D3	7.173	11832509	639013	18.5168	1044.3512
Promethazine	Promethazine-D3	7.368	3520884	132258	26.6213	977.3131
Clonazepam	Clonazepam-D4	7.405	3005493	24469	122.8277	1075.2791
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.480	992058	42350	23.4251	963.5897
Carisoprodol	Carisoprodol-D7	7.514	4619621	175910	26.2612	981.5375
Lorazepam	Alprazolam-D5	7.523	1197284	286072	4.1853	525.8980
Alprazolam	Alprazolam-D5	7.547	10707697	286072	37.4301	1045.0429

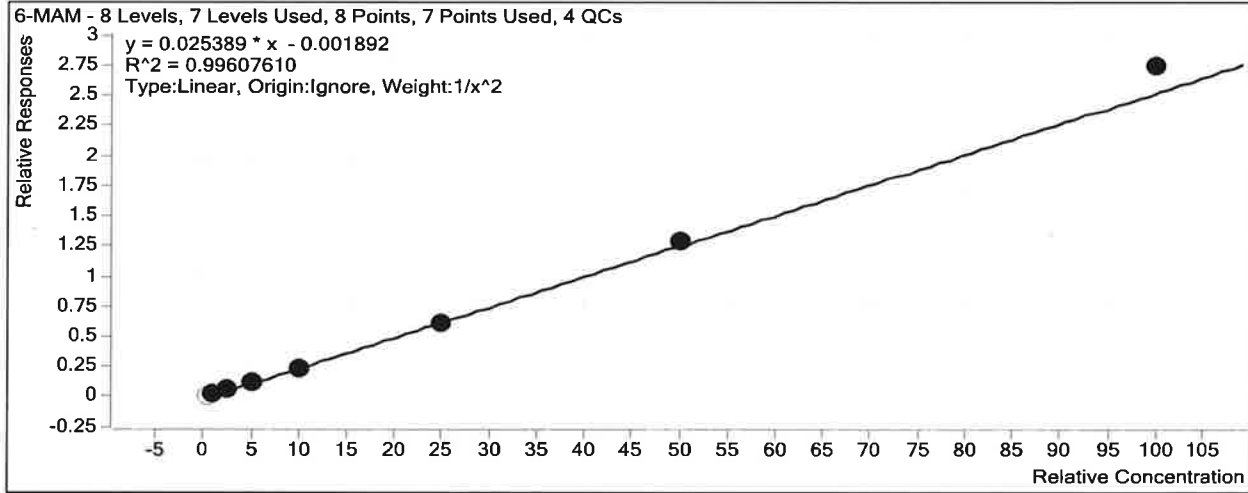
outside curve range. TS

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist
2251\QuantResults\MDQ Panel 1a TS worklist 2251.batch.bin
Last Calib Update 4/4/2018 2:01 PM **Analyst Name** ISP TOX

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



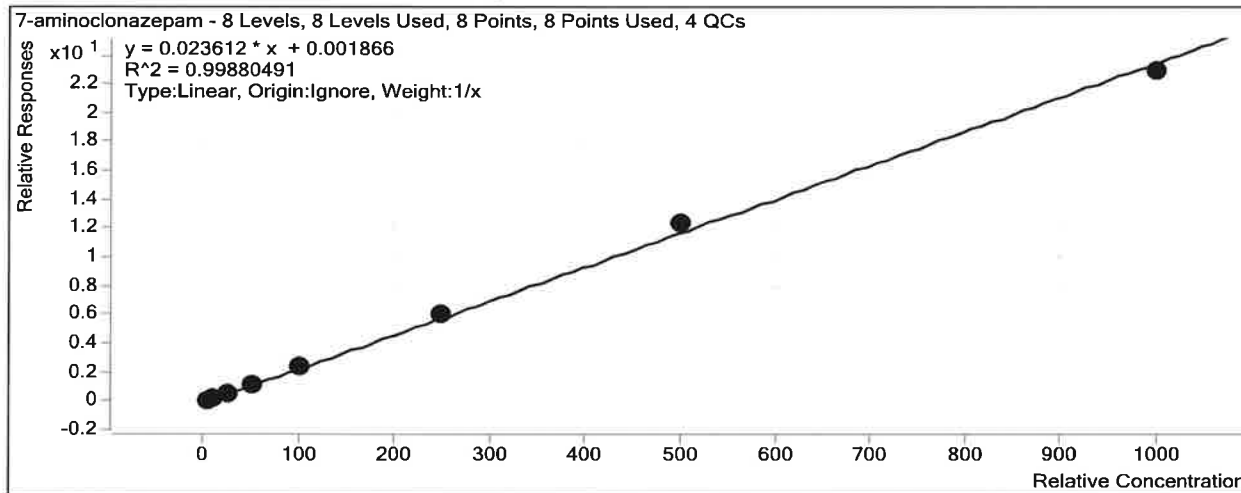
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a cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.0	99.8
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	1	0.9	91.9
a cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.6	103.3
a cal 4-50ng	4	<input checked="" type="checkbox"/>	5	5.0	99.1
a cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.1	90.6
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	10	8.2	81.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	25	24.4	97.5
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	25	22.2	88.7
a cal 7-500ng	7	<input checked="" type="checkbox"/>	50	50.8	101.7
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	108.0	108.0
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	100	96.1	96.1

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist
 2251\QuantResults\MDQ Panel 1a TS worklist 2251.batch.bin
Last Calib Update 4/4/2018 2:01 PM **Analyst Name** ISP TOX

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



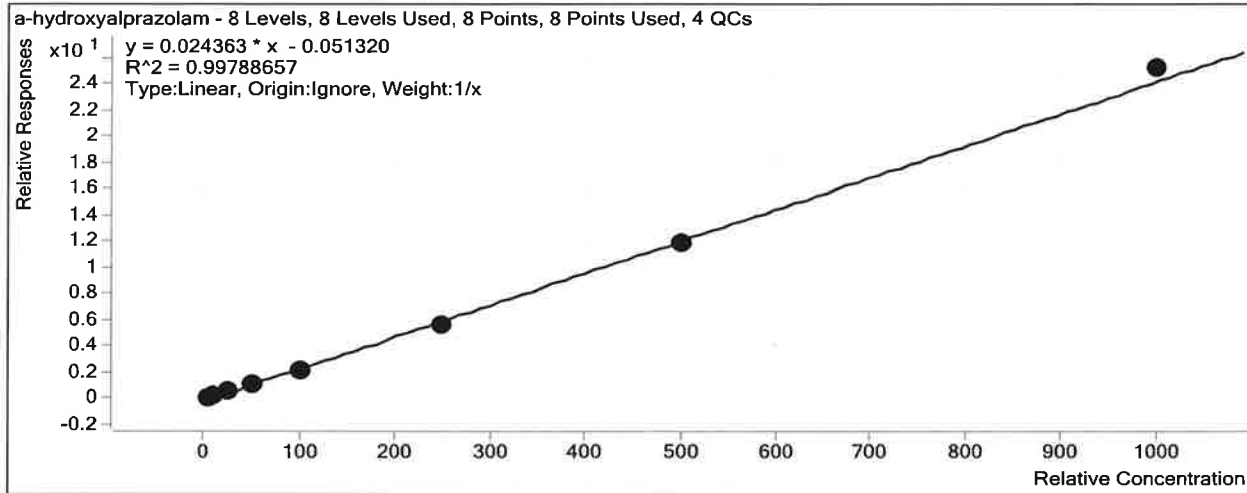
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a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.4	93.8
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.6	98.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.5	101.1
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	105.0	105.0
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	98.6	98.6
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	254.1	101.7
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	249.7	99.9
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	520.9	104.2
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	970.2	97.0
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	943.6	94.4

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist
2251\QuantResults\MDQ Panel 1a TS worklist 2251.batch.bin
Last Calib Update 4/4/2018 2:01 PM **Analyst Name** ISP TOX

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



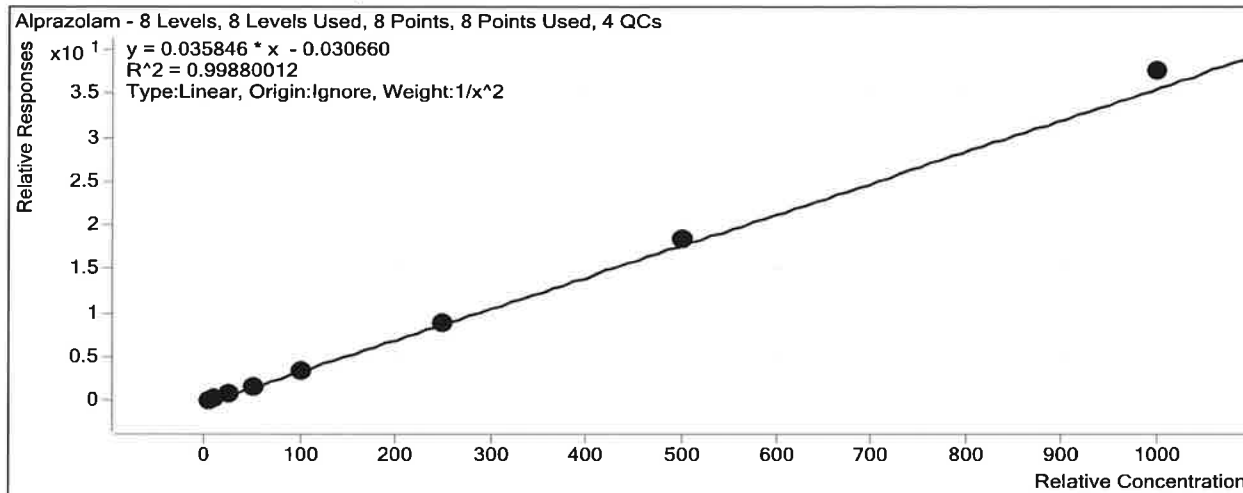
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a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.8	116.9
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.9	108.7
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.8	97.9
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.6	94.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.1	92.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	92.2	92.2
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	87.7	87.7
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	233.7	93.5
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	226.2	90.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	491.1	98.2
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1036.5	103.6
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	963.6	96.4

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist
2251\QuantResults\MDQ Panel 1a TS worklist 2251.batch.bin
Last Calib Update 4/4/2018 2:01 PM **Analyst Name** ISP TOX

Target Compound Alprazolam
Internal Standard Alprazolam-D5



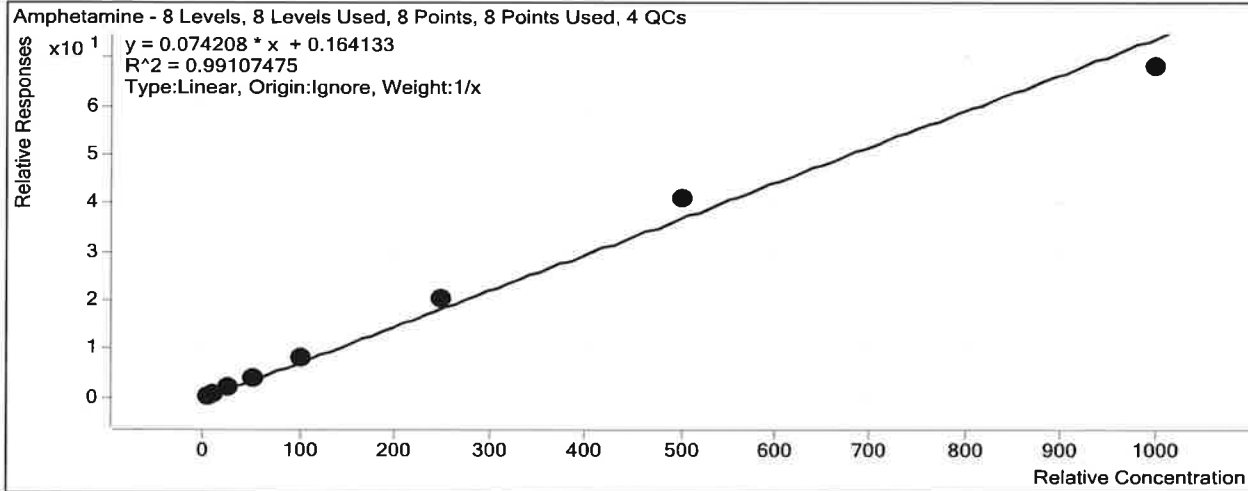
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
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a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	99.7
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.5	94.9
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.6	98.2
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.7	95.5
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.9	97.9
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	91.2	91.2
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	249.2	99.7
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	233.7	93.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	515.8	103.2
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1048.8	104.9
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1045.0	104.5

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist
2251\QuantResults\MDQ Panel 1a TS worklist 2251.batch.bin
Last Calib Update 4/4/2018 2:01 PM **Analyst Name** ISP TOX

Target Compound Amphetamine
Internal Standard Amphetamine-D11



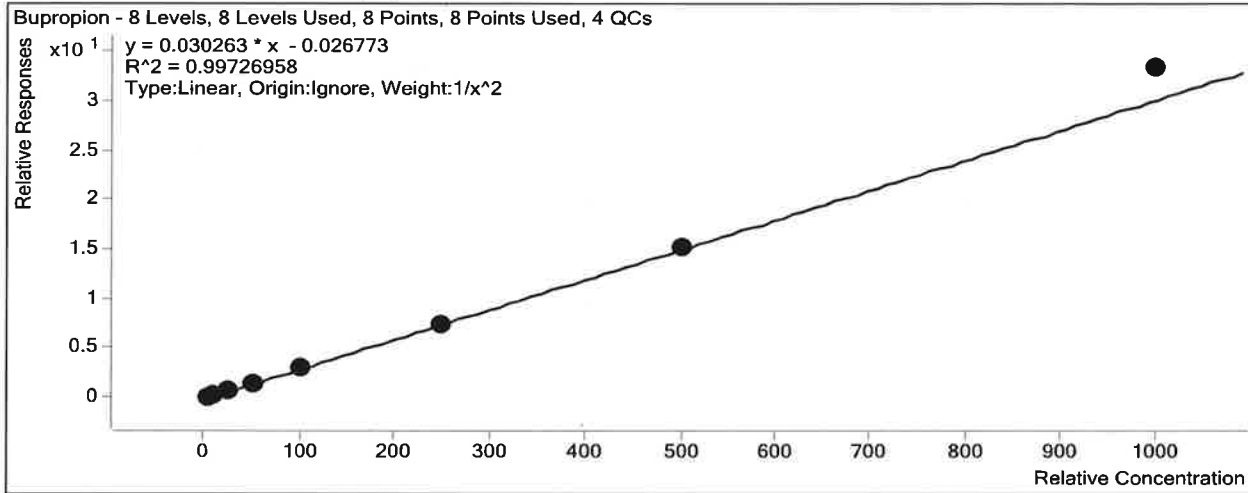
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
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a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.4	93.9
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	8.5	84.6
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.6	106.4
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	53.5	106.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	110.0	110.0
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	99.4	99.4
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	270.9	108.4
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	247.2	98.9
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	551.0	110.2
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	915.0	91.5
a QC 1000 (QC 4)	8	<input type="checkbox"/>	1000	868.3	86.8

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist
2251\QuantResults\MDQ Panel 1a TS worklist 2251.batch.bin
Last Calib Update 4/4/2018 2:01 PM **Analyst Name** ISP TOX

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



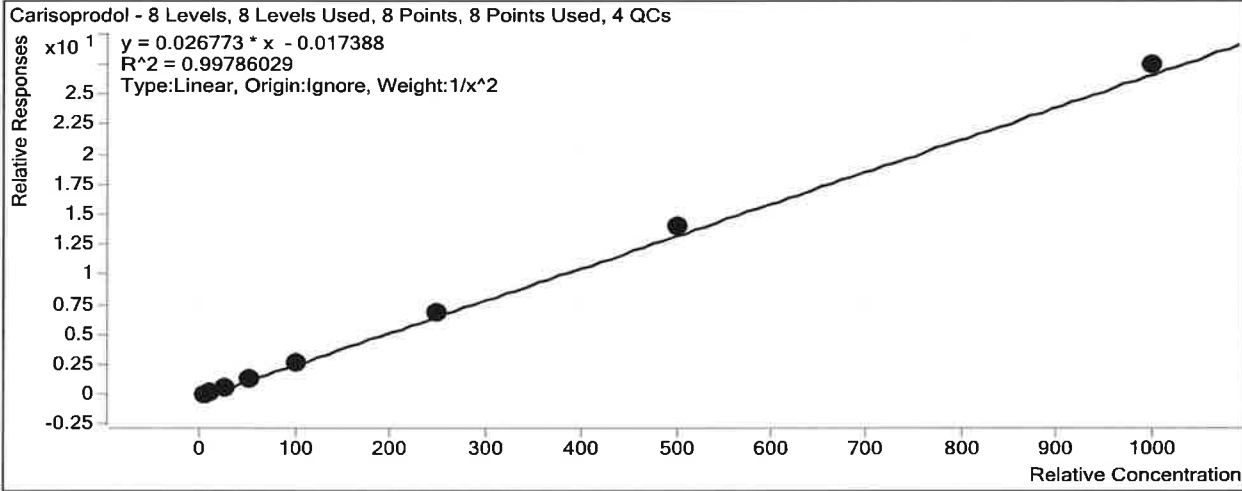
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.5
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	96.6
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.1	90.6
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.3	97.4
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.1	98.2
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.3	97.3
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	88.2	88.2
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	243.6	97.5
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	242.8	97.1
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	501.4	100.3
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1101.6	110.2
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1029.3	102.9

TS

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist
 2251\QuantResults\MDQ Panel 1a TS worklist 2251.batch.bin
Last Calib Update 4/4/2018 2:01 PM **Analyst Name** ISP TOX

Target Compound Carisoprodol
Internal Standard Carisoprodol-D7



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	103.6
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.5	95.3
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.2	92.1
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.4	93.5
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.4	100.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.9	97.9
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	93.4	93.4
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	254.2	101.7
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	254.3	101.7
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	523.9	104.8
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1024.1	102.4
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	981.5	98.2

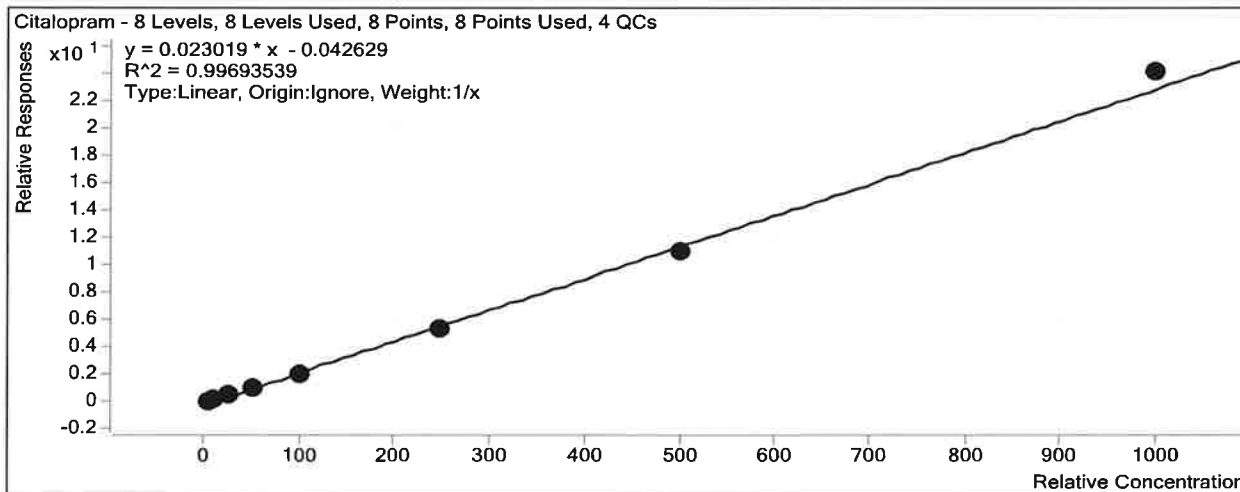
ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist
2251\QuantResults\MDQ Panel 1a TS worklist 2251.batch.bin

Last Calib Update 4/4/2018 2:01 PM **Analyst Name** ISP TOX

Target Compound Citalopram
Internal Standard Citalopram-D6



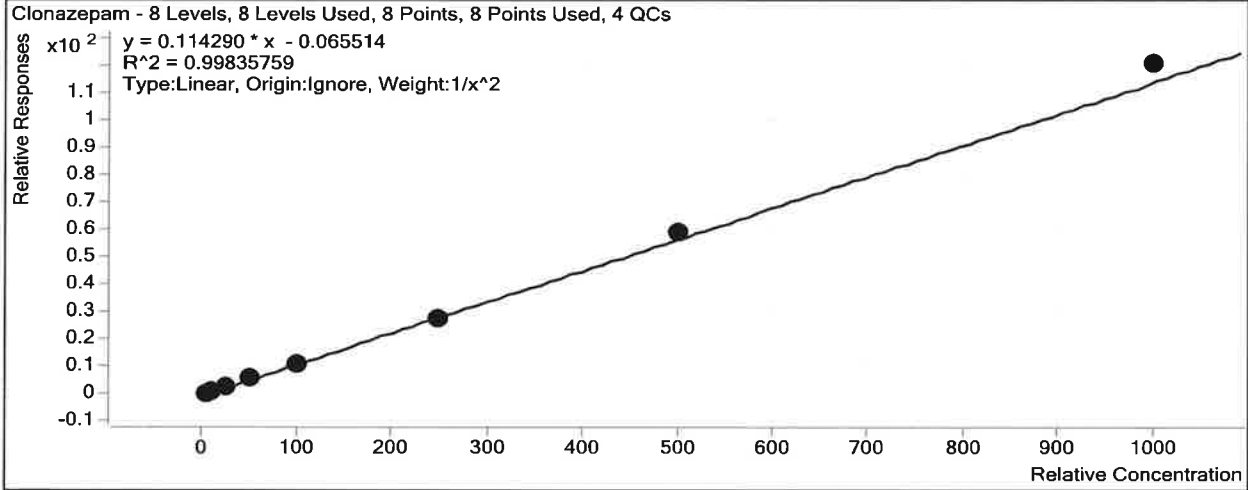
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a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.5	105.5
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	11.4	114.3
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.3	93.0
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.7	95.5
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	92.3	92.3
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	90.9	90.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	232.9	93.1
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	220.8	88.3
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	478.9	95.8
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1048.3	104.8
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	930.6	93.1

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist
2251\QuantResults\MDQ Panel 1a TS worklist 2251.batch.bin
Last Calib Update 4/4/2018 2:01 PM **Analyst Name** ISP TOX

Target Compound Clonazepam
Internal Standard Clonazepam-D4



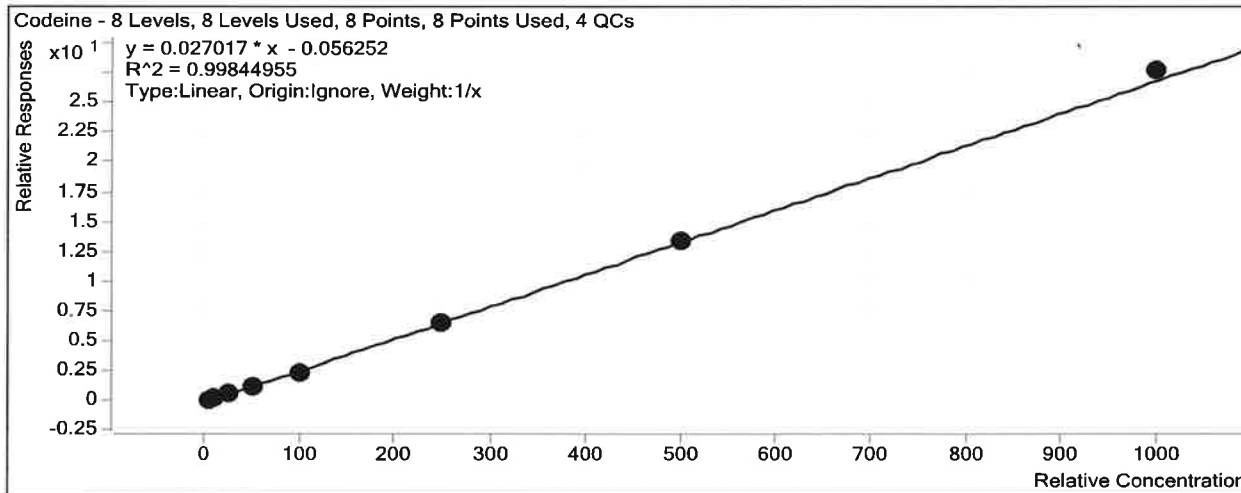
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a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.9
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	100.7
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.7	96.6
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.6	94.3
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.8	99.7
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.1	98.1
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	96.1	96.1
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	242.9	97.2
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	234.9	94.0
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	519.2	103.8
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1052.0	105.2
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ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist
2251\QuantResults\MDQ Panel 1a TS worklist 2251.batch.bin
Last Calib Update 4/4/2018 2:01 PM **Analyst Name** ISP TOX

Target Compound Codeine
Internal Standard Codeine-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.8	116.7
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.6	105.8
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.6	105.7
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.4	97.7
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.4	92.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	88.1	88.1
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	89.5	89.5
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	242.3	96.9
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	224.5	89.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	497.1	99.4
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1025.3	102.5
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	924.0	92.4

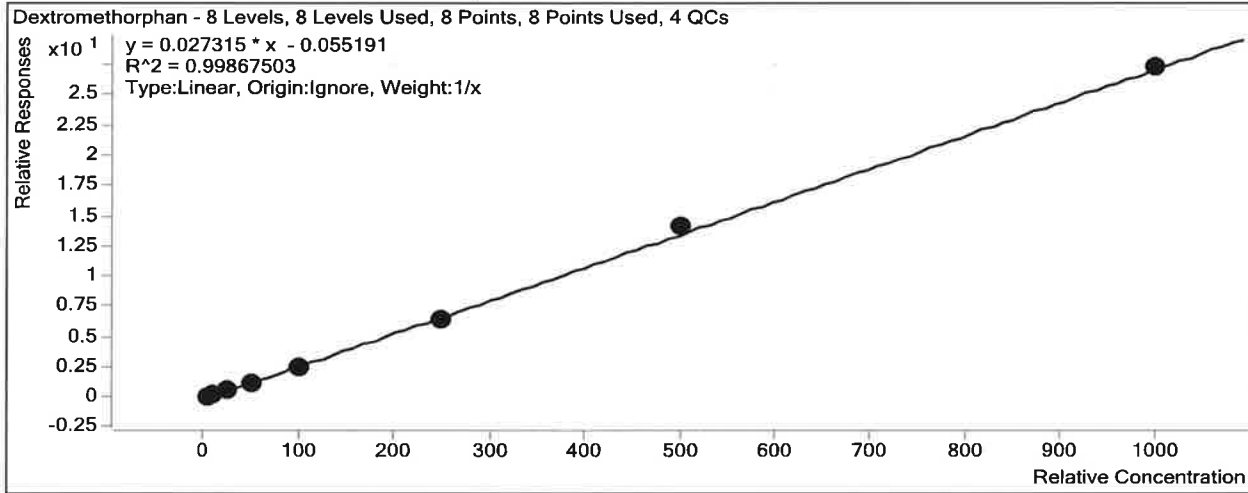
* Compound not evaluated due to poor peak shapes. TS

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist
2251\QuantResults\MDQ Panel 1a TS worklist 2251.batch.bin
Last Calib Update 4/4/2018 2:01 PM **Analyst Name** ISP TOX

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



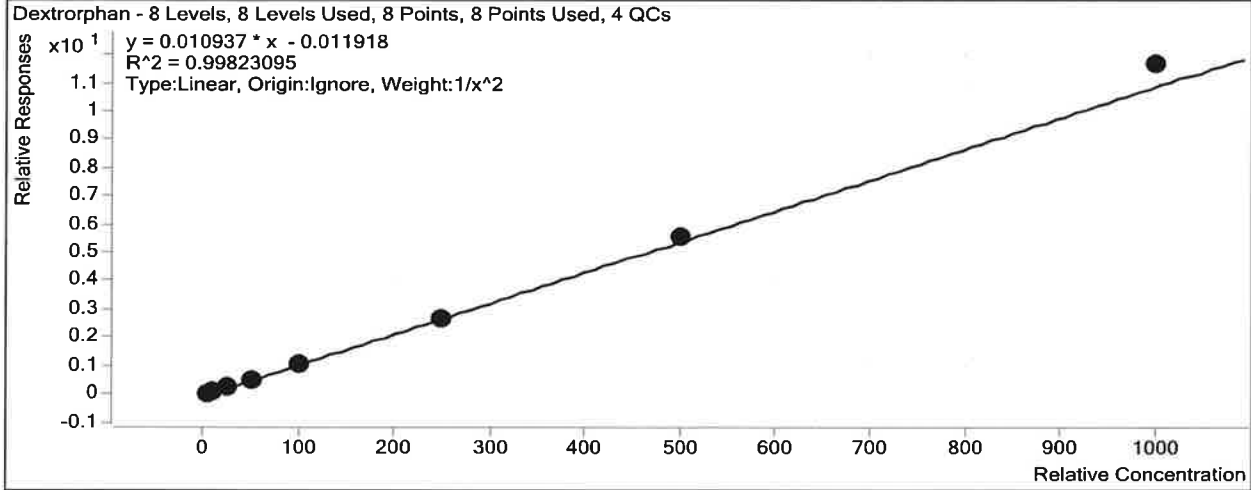
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.7	114.5
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.8	107.9
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.1	100.7
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.8	91.2
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	45.8	91.6
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	95.2	95.2
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	99.7	99.7
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	238.6	95.4
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	259.9	104.0
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	520.9	104.2
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1000.2	100.0
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1033.8	103.4

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist
 2251\QuantResults\MDQ Panel 1a TS worklist 2251.batch.bin
Last Calib Update 4/4/2018 2:01 PM **Analyst Name** ISP TOX

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



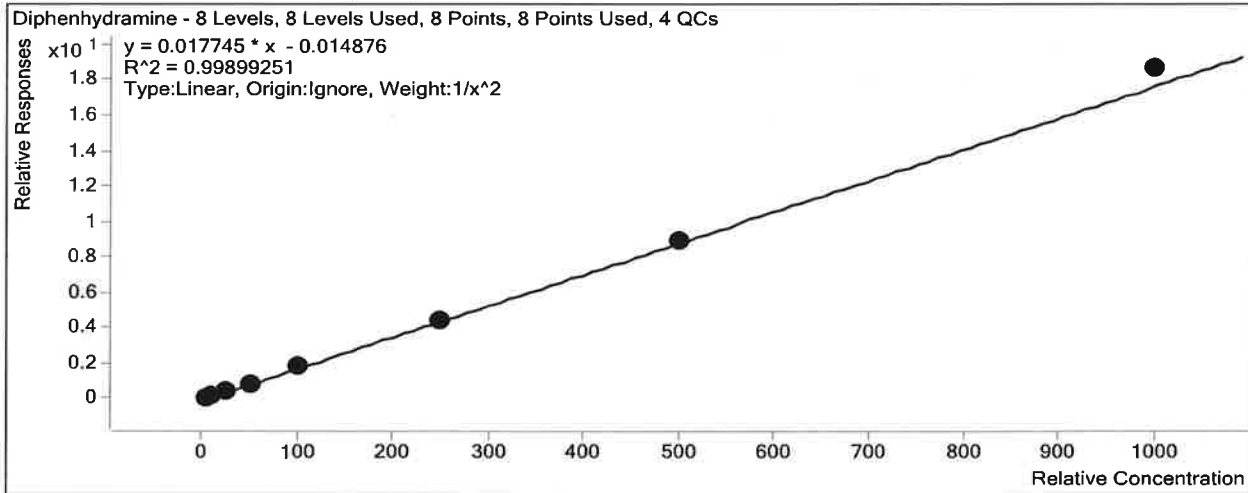
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.5
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	96.9
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.3	93.3
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.9	95.8
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.3	98.6
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.3	100.3
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	97.4	97.4
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	243.0	97.2
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	248.3	99.3
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	510.1	102.0
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1067.3	106.7
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1080.6	108.1

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist
2251\QuantResults\MDQ Panel 1a TS worklist 2251.batch.bin
Last Calib Update 4/4/2018 2:01 PM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	101.5
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	98.2
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.4	93.6
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.8	99.0
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.8	95.6
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.6	100.6
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	92.7	92.7
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	249.3	99.7
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	245.8	98.3
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	501.2	100.2
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1051.9	105.2
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1044.4	104.4

ISP Forensics Calibration Curve Report

TS

Batch Data Path

C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist
2251\QuantResults\MDQ Panel 1a TS worklist 2251.batch.bin

Last Calib Update

4/4/2018 2:01 PM

Analyst Name

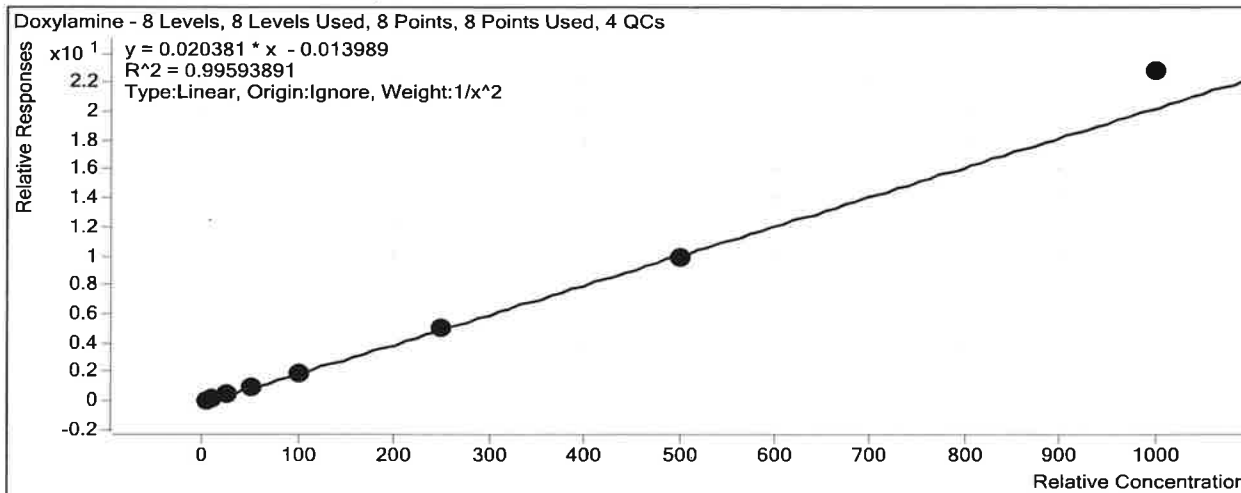
ISP TOX

Target Compound

Doxylamine

Internal Standard

Doxylamine-D5



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.4
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	96.7
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.4	93.9
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.5	97.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.5	99.1
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	92.8	92.8
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	93.0	93.0
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	252.4	101.0
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	235.1	94.0
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	491.6	98.3
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1117.4	111.7
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1027.0	102.7

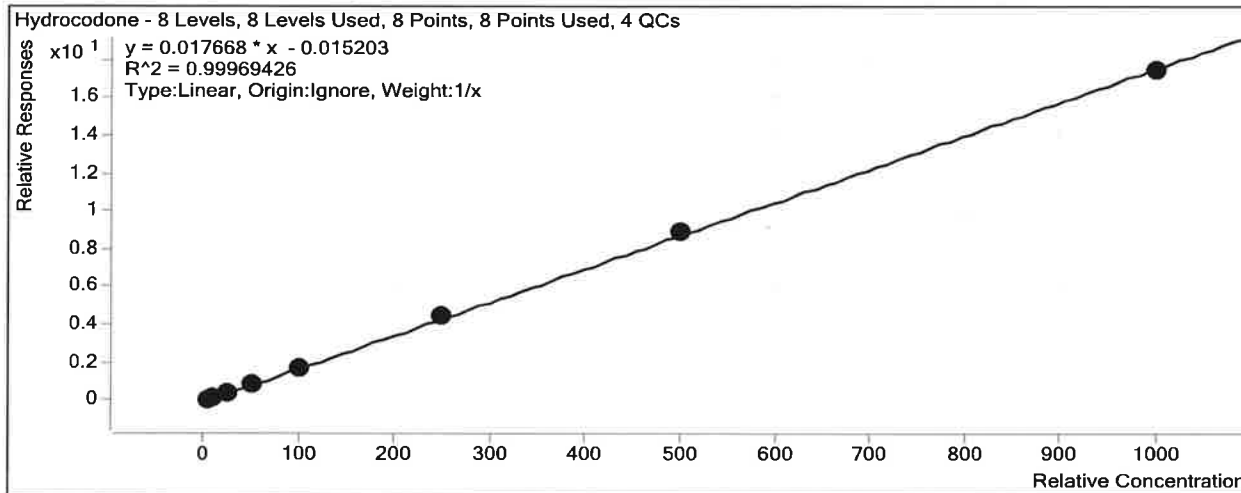
ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist
2251\QuantResults\MDQ Panel 1a TS worklist 2251.batch.bin

Last Calib Update 4/4/2018 2:01 PM **Analyst Name** ISP TOX

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



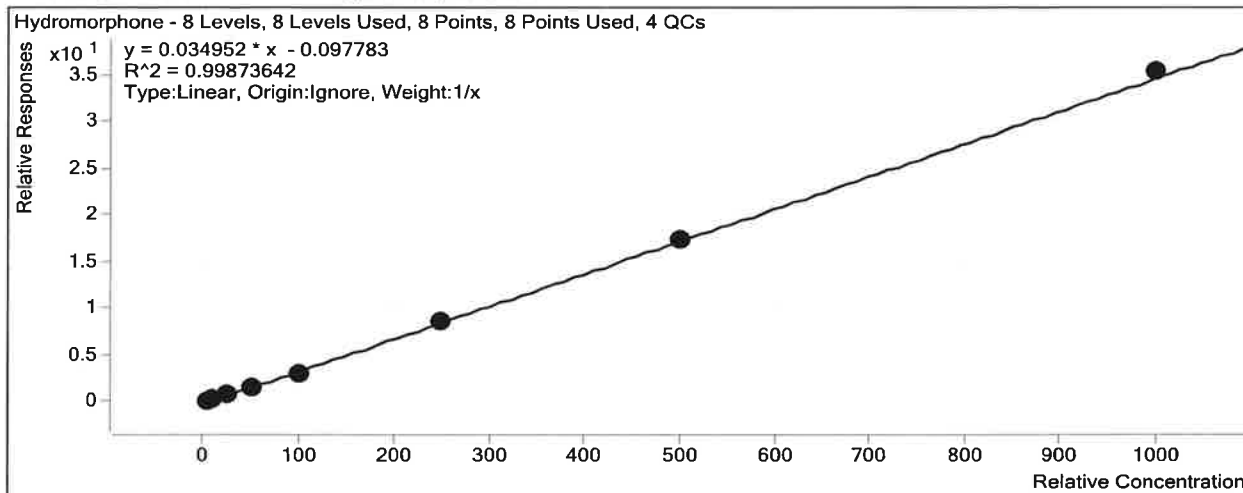
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.5	110.6
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.2	92.2
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.7	97.2
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.6	94.4
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.8	99.6
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.0	101.0
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	100.9	100.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	255.0	102.0
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	249.3	99.7
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	507.3	101.5
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	988.6	98.9
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1009.4	100.9

ISP Forensics Calibration Curve Report

15

Batch Data Path C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist
2251\QuantResults\MDQ Panel 1a TS worklist 2251.batch.bin
Last Calib Update 4/4/2018 2:01 PM **Analyst Name** ISP TOX

Target Compound Hydromorphone
Internal Standard Hydromorphone-D6



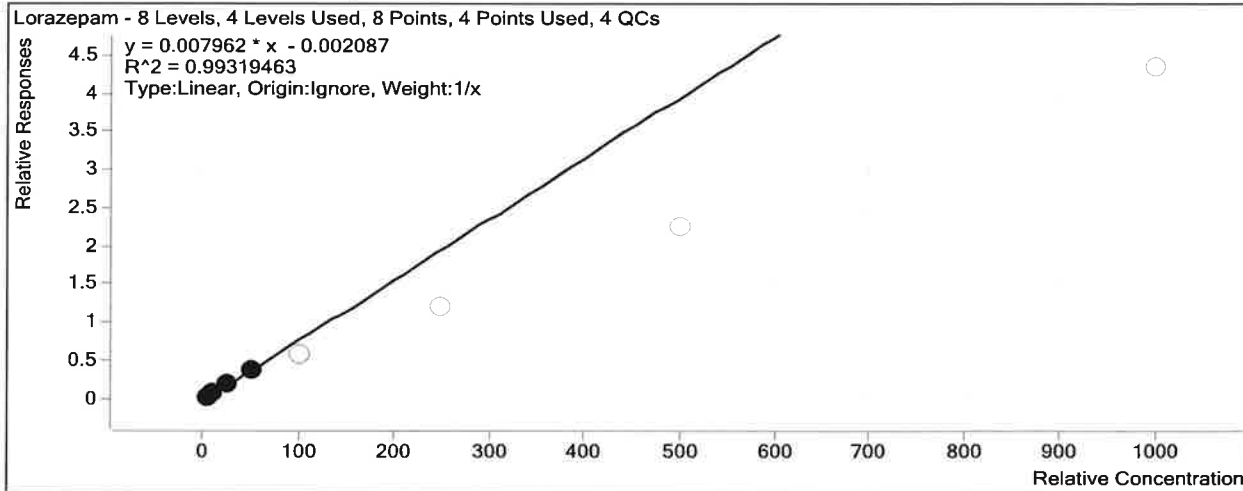
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	6.3	126.9
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.2	101.7
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.3	102.6
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	21.3	85.4
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.5	94.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	90.3	90.3
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	87.2	87.2
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	247.5	99.0
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	218.3	87.3
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	501.6	100.3
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1015.3	101.5
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1066.4	106.6

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist
2251\QuantResults\MDQ Panel 1a TS worklist 2251.batch.bin
Last Calib Update 4/5/2018 3:05 PM **Analyst Name** ISP TOX

Target Compound Lorazepam
Internal Standard Alprazolam-D5



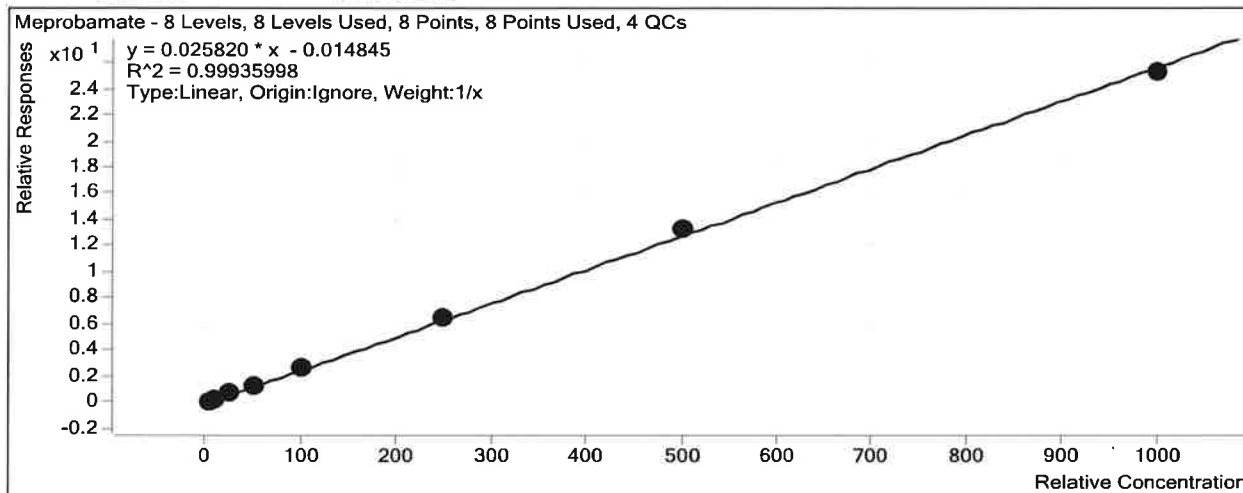
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.5	90.2
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.6	106.3
a QC 10 (QC1)	2	<input type="checkbox"/>	10	9.1	90.7
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.9	107.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.0	95.9
a cal 5-100ng	5	<input type="checkbox"/>	100	72.7	72.7
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	68.8	68.8
a cal 6-250ng	6	<input type="checkbox"/>	250	153.0	61.2
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	114.6	45.8
a cal 7-500ng	7	<input type="checkbox"/>	500	285.6	57.1
a cal 8-1000ng	8	<input type="checkbox"/>	1000	544.3	54.4
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	525.9	52.6

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist
2251\QuantResults\MDQ Panel 1a TS worklist 2251.batch.bin
Last Calib Update 4/4/2018 2:01 PM **Analyst Name** ISP TOX

Target Compound Meprobamate
Internal Standard Meprobamate-D7



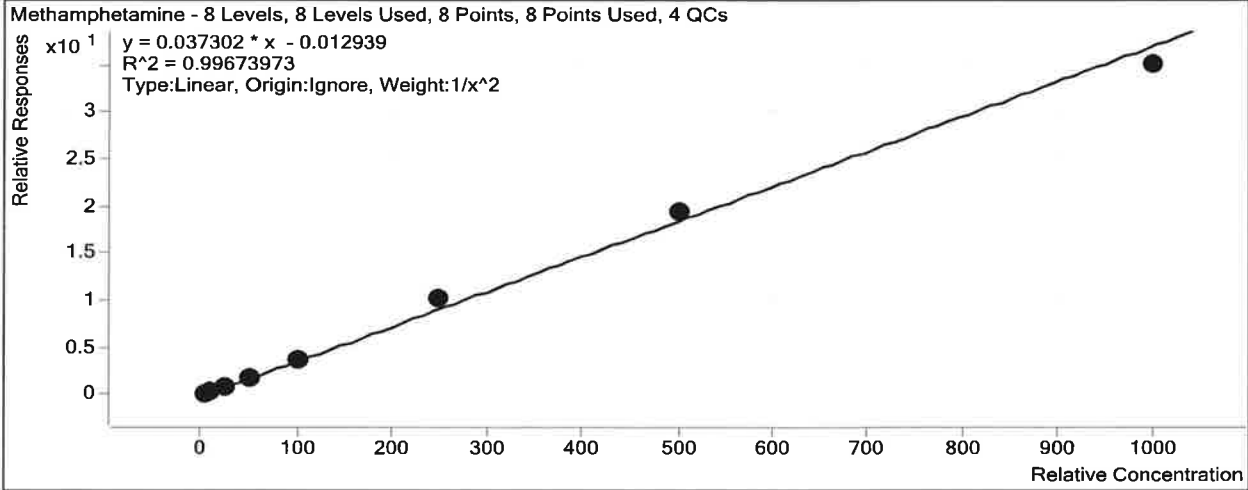
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.7	94.5
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	97.9
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.4	93.8
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.0	103.8
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.4	98.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.1	103.1
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	105.9	105.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	252.0	100.8
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	274.0	109.6
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	516.1	103.2
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	979.0	97.9
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	996.2	99.6

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist
2251\QuantResults\MDQ Panel 1a TS worklist 2251.batch.bin
Last Calib Update 4/4/2018 2:01 PM **Analyst Name** ISP TOX

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



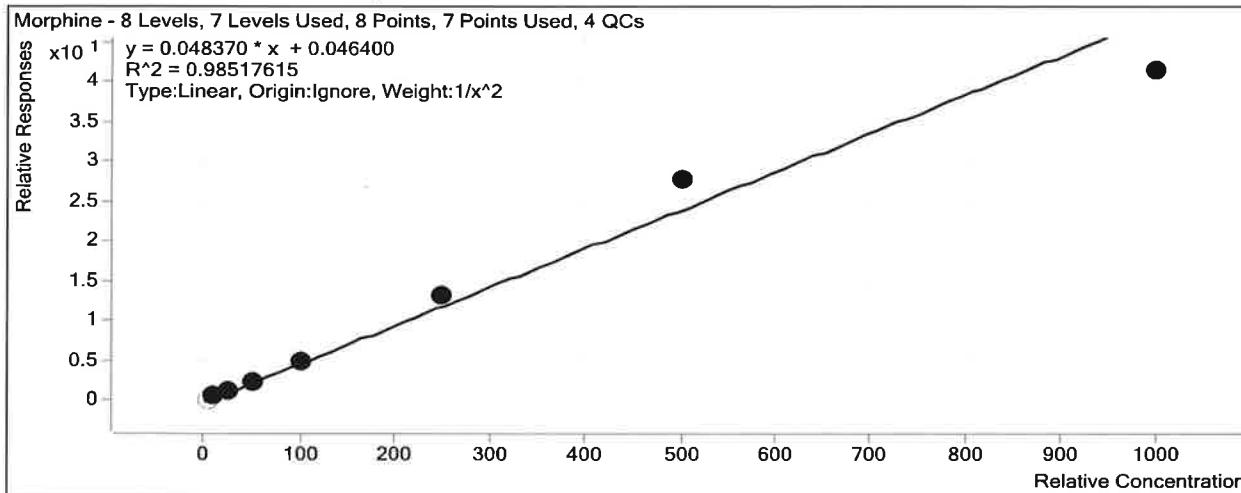
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	101.9
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	98.0
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	8.9	88.9
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.9	95.7
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.0	98.1
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.4	98.4
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	86.0	86.0
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	273.2	109.3
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	245.0	98.0
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	522.3	104.5
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	941.0	94.1
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1044.4	104.4

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist
2251\QuantResults\MDQ Panel 1a TS worklist 2251.batch.bin
Last Calib Update 4/4/2018 2:01 PM **Analyst Name** ISP TOX

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



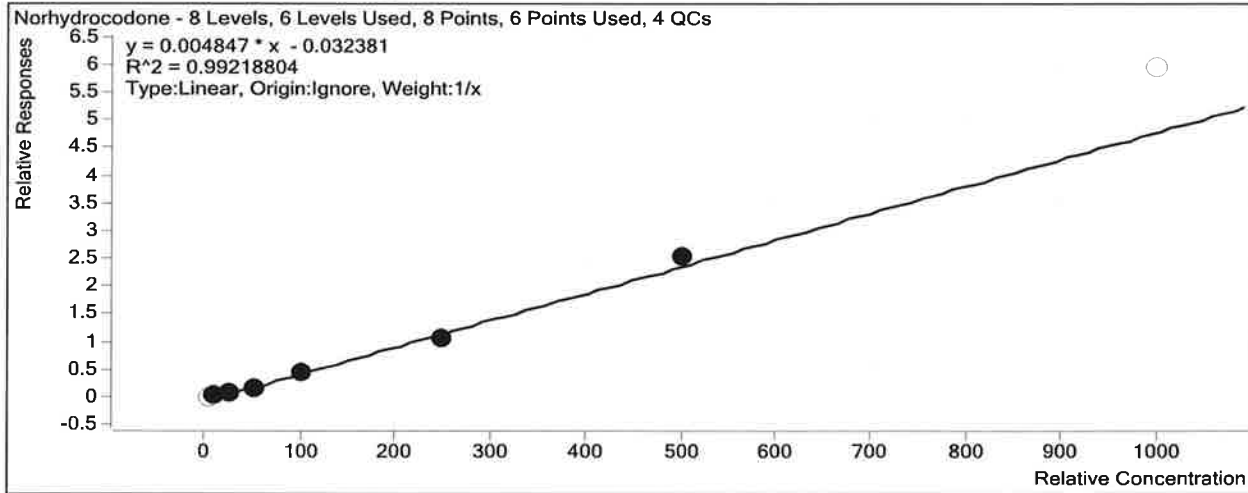
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input type="checkbox"/>	5	3.8	76.4
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.4	103.9
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.7	96.7
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.1	92.4
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.1	92.1
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.5	101.5
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	106.2	106.2
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	272.6	109.0
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	220.8	88.3
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	577.0	115.4
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	855.8	85.6
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	972.2	97.2

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist
2251\QuantResults\MDQ Panel 1a TS worklist 2251.batch.bin
Last Calib Update 4/4/2018 2:01 PM **Analyst Name** ISP TOX

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



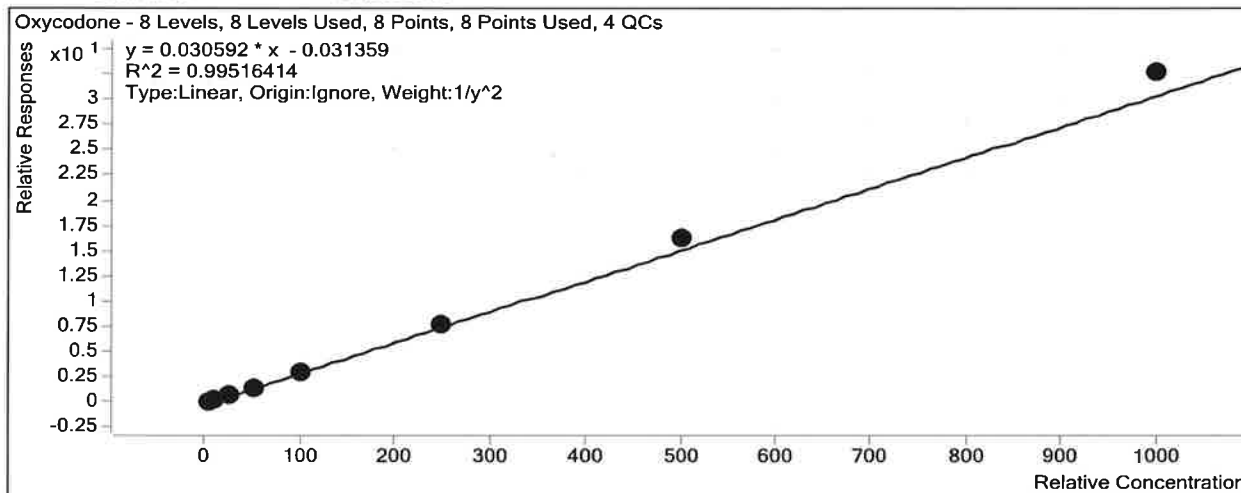
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input type="checkbox"/>	5	9.9	198.4
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	12.5	124.8
a QC 10 (QC1)	2	<input type="checkbox"/>	10	14.7	147.3
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.8	91.1
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	44.5	89.0
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.7	98.7
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	91.9	91.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	225.6	90.2
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	263.6	105.4
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	531.0	106.2
a cal 8-1000ng	8	<input type="checkbox"/>	1000	1232.5	123.3
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1273.0	127.3

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist
2251\QuantResults\MDQ Panel 1a TS worklist 2251.batch.bin
Last Calib Update 4/4/2018 2:01 PM **Analyst Name** ISP TOX

Target Compound Oxycodone
Internal Standard Oxycodone-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.3	105.3
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.2	91.7
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.7	96.8
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.0	96.1
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.0	98.1
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.8	97.8
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	99.5	99.5
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	254.7	101.9
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	257.3	102.9
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	535.8	107.2
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1068.9	106.9
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	993.7	99.4

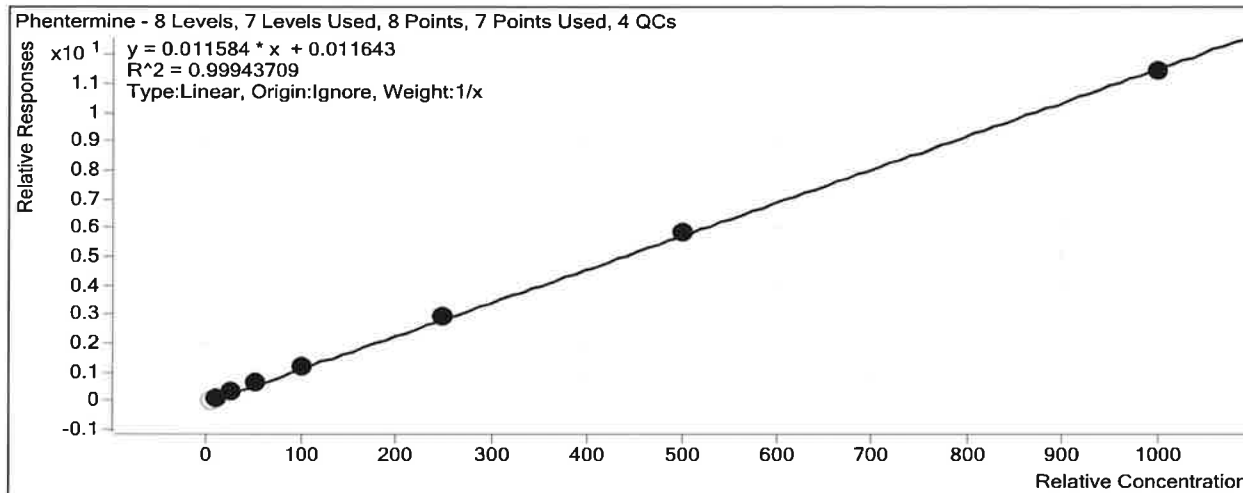
ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist
2251\QuantResults\MDQ Panel 1a TS worklist 2251.batch.bin

Last Calib Update 4/4/2018 2:01 PM **Analyst Name** ISP TOX

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



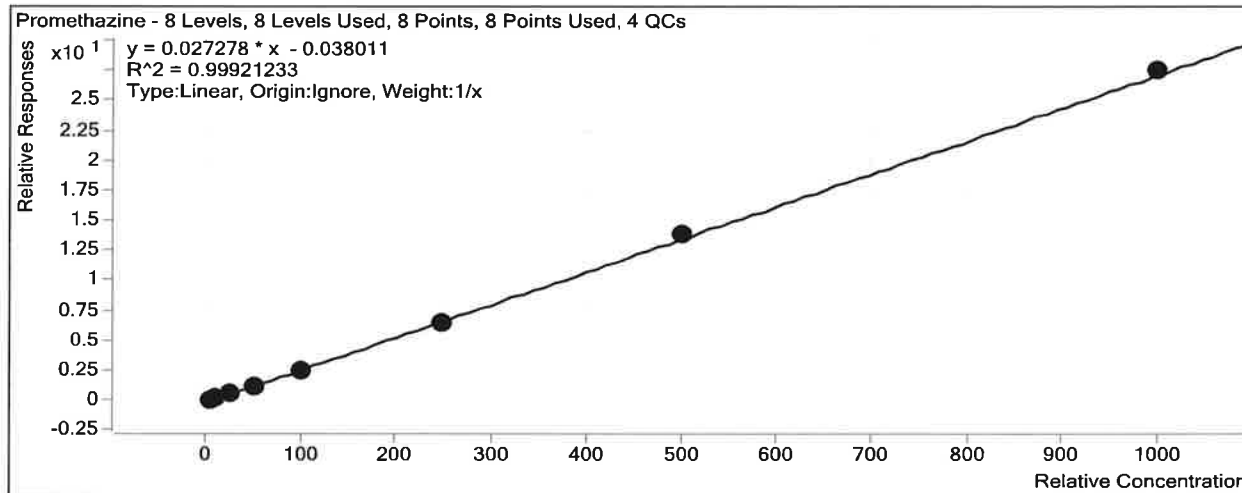
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input type="checkbox"/>	5	3.3	66.7
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	8.6	85.5
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	8.7	86.7
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.7	102.8
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	53.3	106.5
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	105.2	105.2
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	103.5	103.5
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	250.9	100.4
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	249.3	99.7
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	504.6	100.9
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	986.8	98.7
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1079.6	108.0

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist
2251\QuantResults\MDQ Panel 1a TS worklist 2251.batch.bin
Last Calib Update 4/4/2018 2:01 PM **Analyst Name** ISP TOX

Target Compound Promethazine
Internal Standard Promethazine-D3



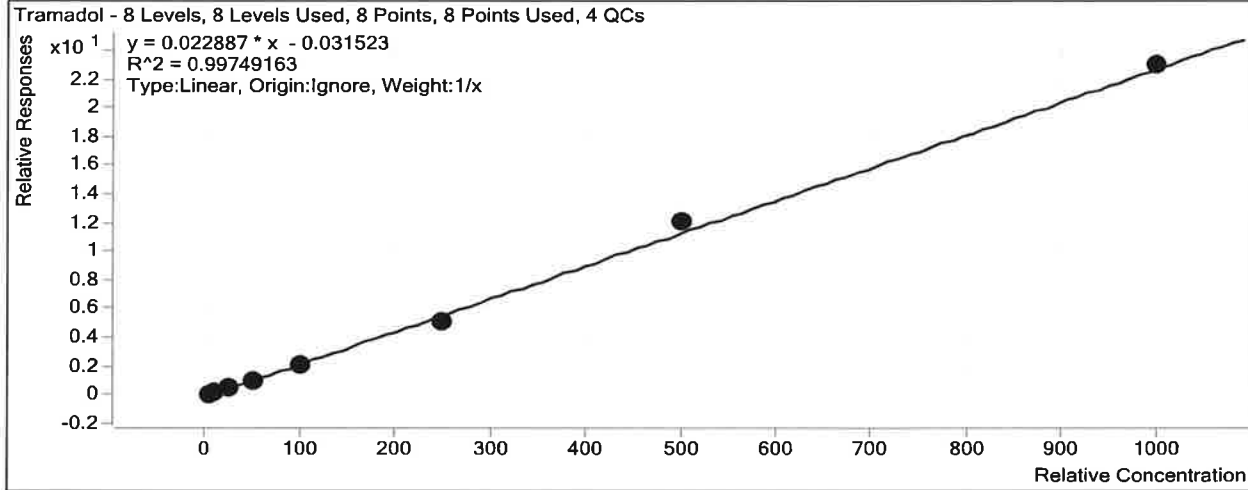
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.8	115.1
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	100.8
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.3	102.5
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.7	98.8
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.3	92.5
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	93.3	93.3
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	91.9	91.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	241.6	96.6
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	239.4	95.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	510.1	102.0
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1008.2	100.8
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	977.3	97.7

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist
 2251\QuantResults\MDQ Panel 1a TS worklist 2251.batch.bin
Last Calib Update 4/4/2018 2:01 PM **Analyst Name** ISP TOX

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



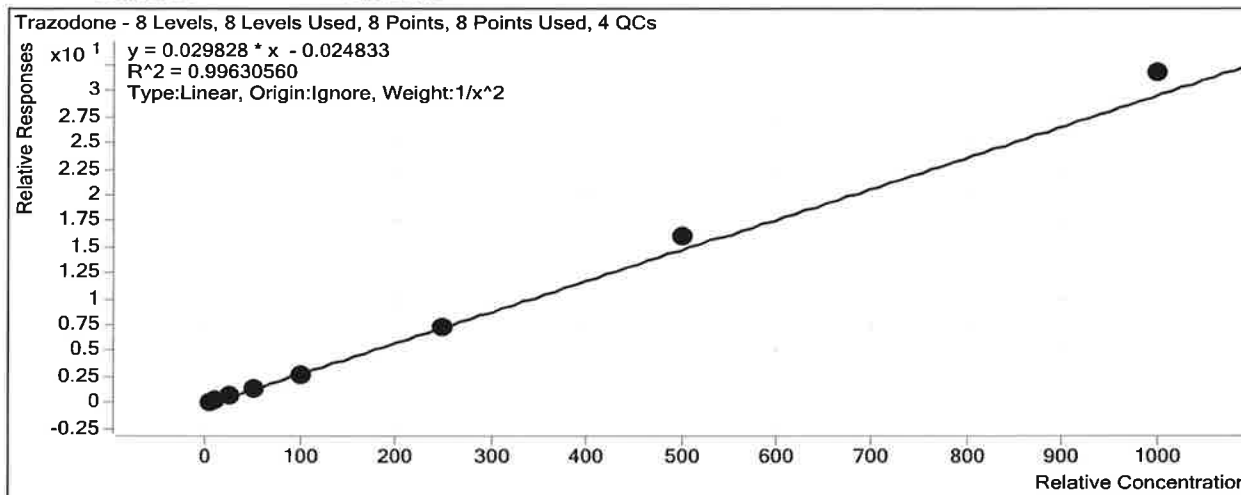
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	6.0	119.4
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	99.8
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.9	99.2
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.2	96.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.1	94.2
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	93.3	93.3
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	91.7	91.7
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	226.8	90.7
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	232.6	93.1
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	526.8	105.4
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1005.9	100.6
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	958.9	95.9

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist
2251\QuantResults\MDQ Panel 1a TS worklist 2251.batch.bin
Last Calib Update 4/4/2018 2:01 PM **Analyst Name** ISP TOX

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



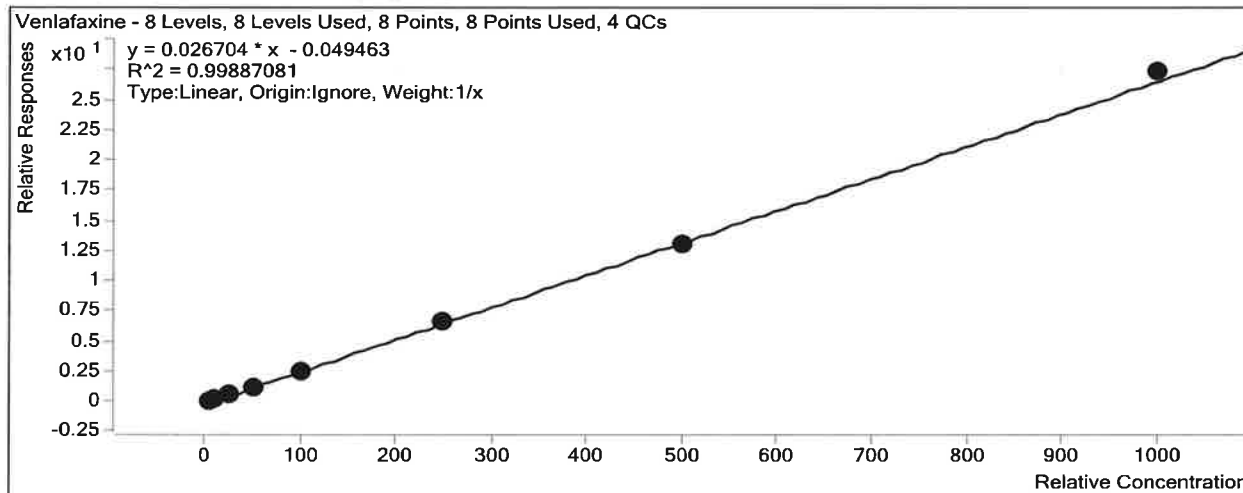
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	101.8
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	99.3
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.5	95.1
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.7	94.7
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.6	99.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	92.0	92.0
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	99.8	99.8
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	247.3	98.9
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	249.0	99.6
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	537.0	107.4
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1065.9	106.6
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1083.0	108.3

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist
2251\QuantResults\MDQ Panel 1a TS worklist 2251.batch.bin
Last Calib Update 4/4/2018 2:01 PM **Analyst Name** ISP TOX

Target Compound Venlafaxine
Internal Standard Venlafaxine-D6



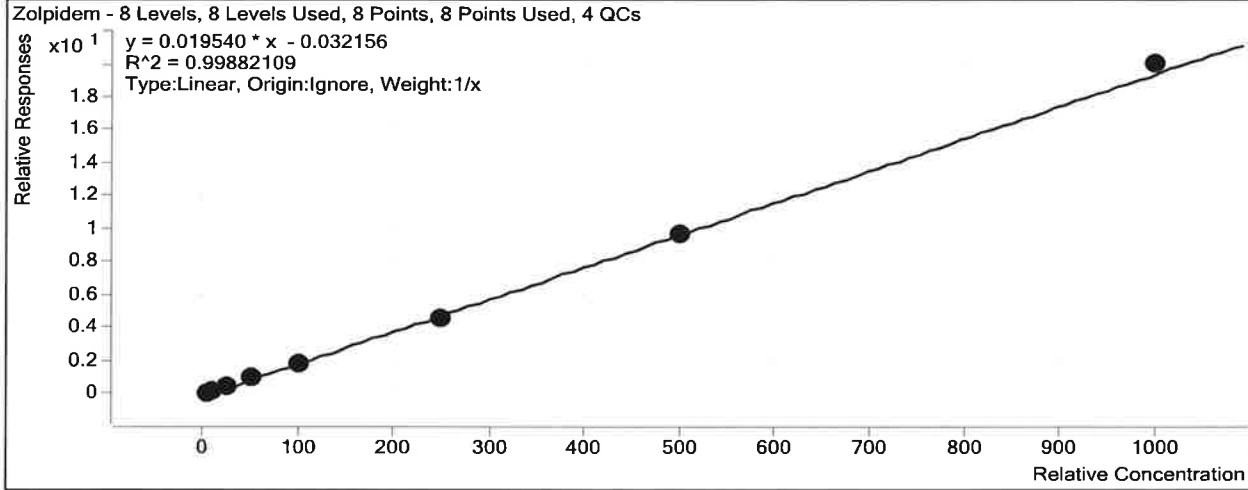
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a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	6.0	119.2
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.2	101.5
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.5	105.0
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.6	94.4
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.9	93.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	91.6	91.6
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	87.9	87.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	247.4	99.0
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	238.6	95.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	489.6	97.9
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1024.7	102.5
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1020.4	102.0

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist
2251\QuantResults\MDQ Panel 1a TS worklist 2251.batch.bin
Last Calib Update 4/4/2018 2:01 PM **Analyst Name** ISP TOX

Target Compound Zolpidem
Internal Standard Zolpidem-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.7	114.2
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	99.5
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.0	99.6
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.6	98.3
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.7	99.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	92.3	92.3
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	89.4	89.4
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	237.1	94.9
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	218.9	87.6
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	494.7	98.9
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1026.0	102.6
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	942.9	94.3

TS

ISP FORENSICS - Pocatello Instrument # 59740

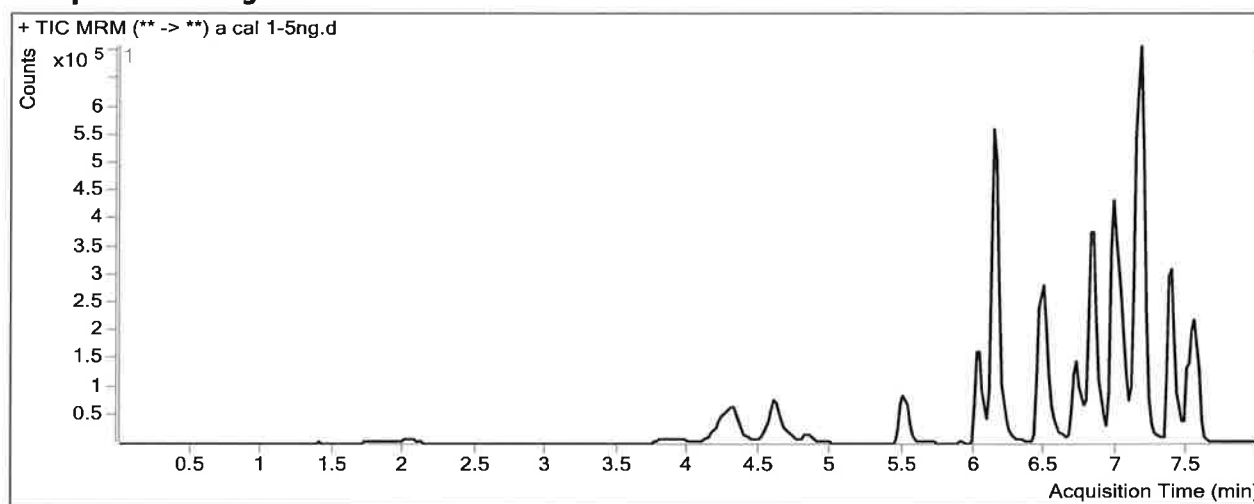
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist 2251\QuantResults\MDQ Panel 1a TS v		
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Report Time	4/5/2018 3:24 PM	Reporter Name	ISPUser
Last Calib Update	4/5/2018 3:05 PM	Batch State	Processed

Analysis Info

Acq Time	2018-04-02 12:45	Data File	a cal 1-5ng.d
Sample Type	Calibration	Sample Name	a cal 1-5ng
Dilution	1	Acq Method	MD Quant Panel 1a 1-19-2018.m
Position	P1-H12	Sample Info	
Inj Vol	-1	Comment	AM 28 worklist-2301 2251 - TS

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.388	1075	4650	0.2311	3.8181
Hydromorphone	Hydromorphone-D6	2.049	4410	35554	0.1240	6.3461
Codeine	Codeine-D6	3.892	4948	48775	0.1014	5.8367
Oxycodone	Oxycodone-D6	4.330	46679	359947	0.1297	5.2642
Amphetamine	Amphetamine-D11	4.344	66544	153394	0.4338	3.6341
Hydrocodone	Hydrocodone-D6	4.635	15306	185612	0.0825	5.5278
Norhydrocodone	Norhydrocodone-D3	4.659	633	40301	0.0157	9.9200
Methamphetamine	Methamphetamine-D11	4.724	36498	206071	0.1771	5.0950
6-MAM	6-MAM-D6	4.869	923	60217	0.0153	0.6782
Phentermine	Phentermine-D5	5.546	19170	381217	0.0503	3.3360
Dextrophan	Dextrophan-D3	6.042	25836	585132	0.0442	5.1266
7-aminoclonazepam	7-Aminoclonazepam-D4	6.134	34888	311966	0.1118	4.6572
Tramadol	Tramadol-13C-D3	6.159	194462	1849447	0.1051	5.9715
Doxylamine	Doxylamine-D5	6.502	97688	1080511	0.0904	5.1223
Bupropion	Bupropion-D9	6.730	59884	466593	0.1283	5.1257
Meprobamate	Meprobamate-D7	6.833	12944	120794	0.1072	4.7250
Zolpidem	Zolpidem-D6	6.862	109887	1384359	0.0794	5.7078
Venlafaxine	Venlafaxine-D6	6.986	140084	1277515	0.1097	5.9585
Trazodone	Trazodone-D6	7.076	68722	541278	0.1270	5.0891
Citalopram	Citalopram-D6	7.138	68963	722862	0.0954	5.9965

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ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

a cal 1-5ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Dextromethorphan	Dextromethorphan-D3	7.150	24652	243501	0.1012	5.7269
Diphenhydramine	Diphenhydramine-D3	7.173	125055	1664089	0.0751	5.0734
Promethazine	Promethazine-D3	7.368	107731	905656	0.1190	5.7542
Clonazepam	Clonazepam-D4	7.424	38350	75056	0.5109	5.0439
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.480	6830	75001	0.0911	5.8443
Carisoprodol	Carisoprodol-D7	7.514	34493	284493	0.1212	5.1780
Lorazepam	Alprazolam-D5	7.543	15818	467505	0.0338	4.5114
Alprazolam	Alprazolam-D5	7.547	70304	467505	0.1504	5.0505

TS

ISP FORENSICS - Pocatello Instrument # 59740

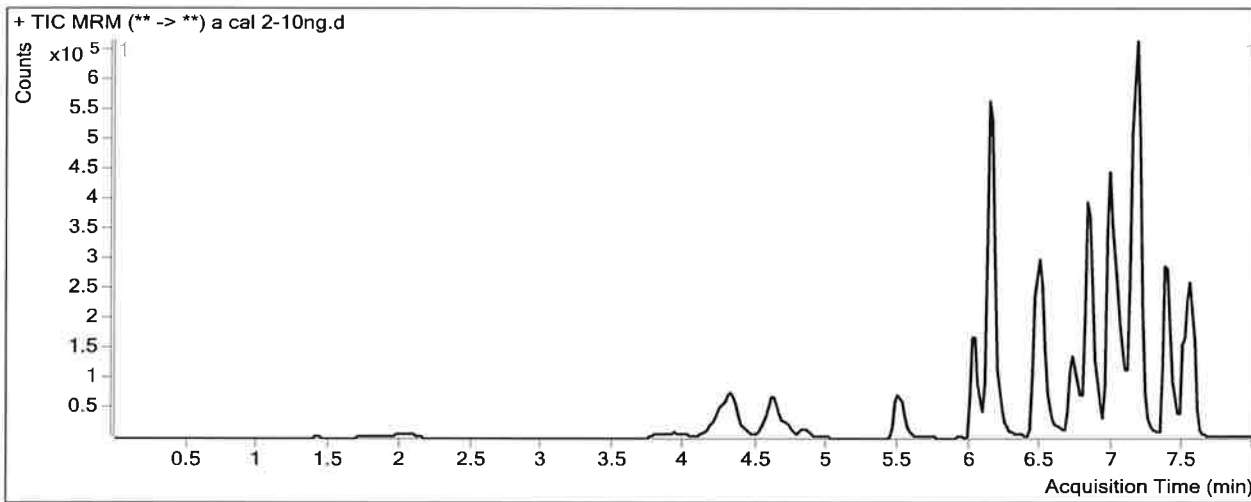
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist 2251\QuantResults\MDQ Panel 1a TS w		
Analysis Time	4/5/2018 3:05 PM	Analyst Name	ISPUser
Report Time	4/5/2018 3:24 PM	Reporter Name	ISPUser
Last Calib Update	4/5/2018 3:05 PM	Batch State	Processed

Analysis Info

Acq Time	2018-04-02 13:16	Data File	a cal 2-10ng.d
Sample Type	Calibration	Sample Name	a cal 2-10ng
Dilution	1	Acq Method	MD Quant Panel 1a 1-19-2018.m
Position	P1-G12	Sample Info	
Inj Vol	-1	Comment	AM 28 worklist 2301 2251 - TS

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.388	2411	4391	0.5491	10.3932
Hydromorphone	Hydromorphone-D6	2.069	9142	35498	0.2575	10.1663
Codeine	Codeine-D6	3.992	9937	43299	0.2295	10.5767
Oxycodone	Oxycodone-D6	4.330	84505	339044	0.2492	9.1725
Amphetamine	Amphetamine-D11	4.344	115301	133886	0.8612	9.3932
Hydrocodone	Hydrocodone-D6	4.615	25741	174215	0.1478	9.2231
Norhydrocodone	Norhydrocodone-D3	4.679	1131	40224	0.0281	12.4811
Methamphetamine	Methamphetamine-D11	4.724	64037	181510	0.3528	9.8050
6-MAM	6-MAM-D6	4.829	1313	56014	0.0234	0.9978
Phentermine	Phentermine-D5	5.546	33281	300582	0.1107	8.5534
Dextrorphan	Dextrorphan-D3	6.042	50182	533541	0.0941	9.6889
7-aminoclonazepam	7-Aminoclonazepam-D4	6.134	66885	282873	0.2364	9.9349
Tramadol	Tramadol-13C-D3	6.159	339681	1725788	0.1968	9.9773
Doxylamine	Doxylamine-D5	6.502	190851	1041833	0.1832	9.6745
Bupropion	Bupropion-D9	6.750	97842	368298	0.2657	9.6632
Meprobamate	Meprobamate-D7	6.833	25979	109209	0.2379	9.7881
Zolpidem	Zolpidem-D6	6.842	216479	1334725	0.1622	9.9459
Venlafaxine	Venlafaxine-D6	6.986	263932	1190956	0.2216	10.1511
Trazodone	Trazodone-D6	7.076	134146	494270	0.2714	9.9316
Citalopram	Citalopram-D6	7.138	119216	595575	0.2002	10.5480

TS

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report *a cal 2-10ng*

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Dextromethorphan	Dextromethorphan-D3	7.150	45695	190783	0.2395	10.7894
Diphenhydramine	Diphenhydramine-D3	7.173	219786	1378394	0.1595	9.8241
Promethazine	Promethazine-D3	7.368	175748	741899	0.2369	10.0777
Clonazepam	Clonazepam-D4	7.405	78873	72636	1.0859	10.0742
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.480	14806	69341	0.2135	10.8706
Carisoprodol	Carisoprodol-D7	7.514	66420	279250	0.2379	9.5335
Lorazepam	Alprazolam-D5	7.523	36563	443041	0.0825	10.6270
Alprazolam	Alprazolam-D5	7.547	144781	443041	0.3268	9.9718

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ISP FORENSICS - Pocatello Instrument # 59740

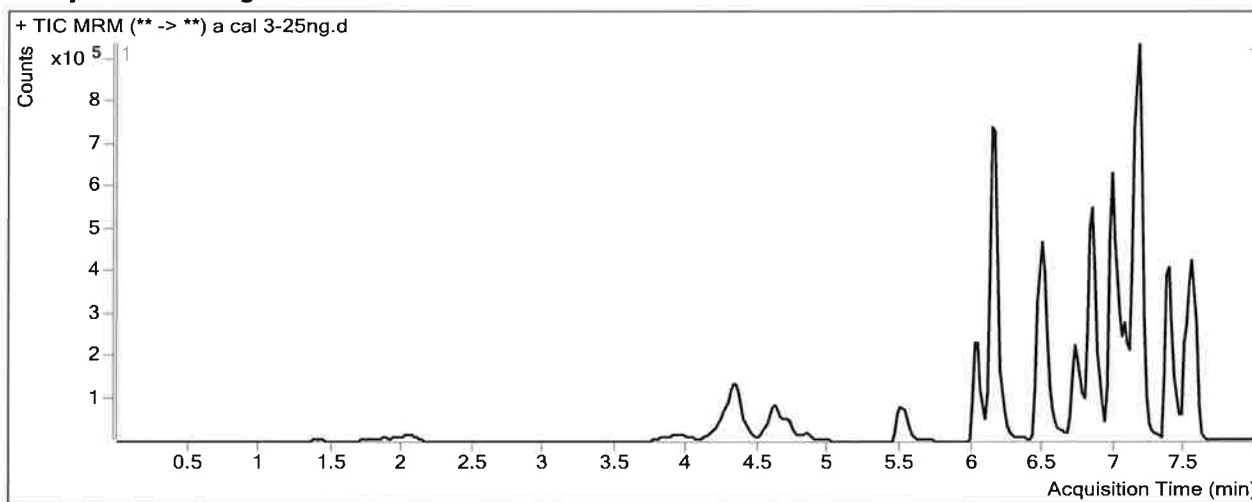
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist 2251\QuantResults\MDQ Panel 1a TS w
Analysis Time 4/5/2018 3:05 PM **Analyst Name** ISPUser
Report Time 4/5/2018 3:24 PM **Reporter Name** ISPUser
Last Calib Update 4/5/2018 3:05 PM **Batch State** Processed

Analysis Info

Acq Time 2018-04-02 13:48 **Data File** a cal 3-25ng.d
Sample Type Calibration **Sample Name** a cal 3-25ng
Dilution 1 **Acq Method** MD Quant Panel 1a 1-19-2018.m
Position P1-F12 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist ~~2304~~ 2251- TS

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.388	5732	4925	1.1640	23.1048
Hydromorphone	Hydromorphone-D6	2.069	23811	36742	0.6481	21.3396
Codeine	Codeine-D6	3.992	28342	46945	0.6037	24.4283
Oxycodone	Oxycodone-D6	4.330	247445	351672	0.7036	24.0254
Amphetamine	Amphetamine-D11	4.344	301754	141176	2.1374	26.5914
Hydrocodone	Hydrocodone-D6	4.635	73042	181874	0.4016	23.5910
Norhydrocodone	Norhydrocodone-D3	4.659	3139	40230	0.0780	22.7784
Methamphetamine	Methamphetamine-D11	4.724	166435	189169	0.8798	23.9335
6-MAM	6-MAM-D6	4.849	3790	59509	0.0637	2.5831
Phentermine	Phentermine-D5	5.546	96646	312553	0.3092	25.6889
Dextrophan	Dextrophan-D3	6.022	135422	541886	0.2499	23.9386
7-aminoclonazepam	7-Aminoclonazepam-D4	6.134	174274	298591	0.5837	24.6395
Tramadol	Tramadol-13C-D3	6.159	942364	1807992	0.5212	24.1510
Doxylamine	Doxylamine-D5	6.502	523987	1081220	0.4846	24.4646
Bupropion	Bupropion-D9	6.730	255968	360499	0.7100	24.3472
Meprobamate	Meprobamate-D7	6.813	72283	110324	0.6552	25.9504
Zolpidem	Zolpidem-D6	6.842	617181	1377148	0.4482	24.5807
Venlafaxine	Venlafaxine-D6	6.986	711854	1225263	0.5810	23.6085
Trazodone	Trazodone-D6	7.055	348412	511103	0.6817	23.6868
Citalopram	Citalopram-D6	7.118	309635	628376	0.4928	23.2587

TS

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

a cal 3-25ng
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Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Dextromethorphan	Dextromethorphan-D3	7.150	123560	217701	0.5676	22.7995
Diphenhydramine	Diphenhydramine-D3	7.173	622059	1465696	0.4244	24.7560
Promethazine	Promethazine-D3	7.368	480699	755929	0.6359	24.7053
Clonazepam	Clonazepam-D4	7.405	180485	68628	2.6299	23.5842
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.480	38907	74153	0.5247	23.6422
Carisoprodol	Carisoprodol-D7	7.514	172246	283080	0.6085	23.3766
Lorazepam	Alprazolam-D5	7.523	96998	457505	0.2120	26.8896
Alprazolam	Alprazolam-D5	7.547	388623	457505	0.8494	24.5522

TS

ISP FORENSICS - Pocatello Instrument # 59740

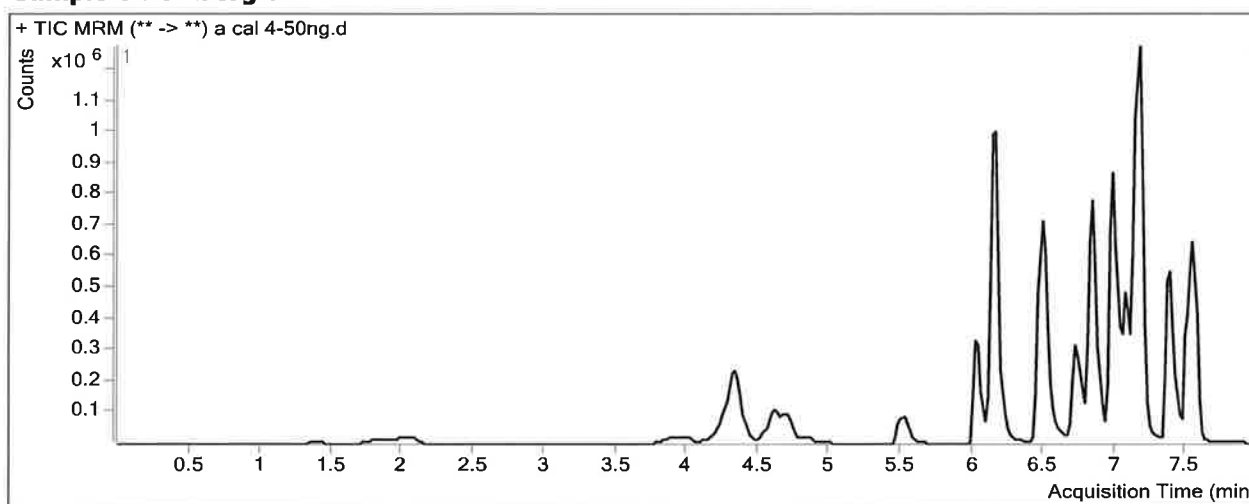
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist 2251\QuantResults\MDQ Panel 1a TS v
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Report Time 4/5/2018 3:25 PM **Reporter Name** ISPUser
Last Calib Update 4/5/2018 3:05 PM **Batch State** Processed

Analysis Info

Acq Time 2018-04-02 14:19 **Data File** a cal 4-50ng.d
Sample Type Calibration **Sample Name** a cal 4-50ng
Dilution 1 **Acq Method** MD Quant Panel 1a 1-19-2018.m
Position P1-E12 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist ~~2301~~ 2251 - TS

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.388	10798	4748	2.2742	46.0563
Hydromorphone	Hydromorphone-D6	2.049	54405	34848	1.5612	47.4653
Codeine	Codeine-D6	3.972	54674	45660	1.1974	46.4027
Oxycodone	Oxycodone-D6	4.330	508155	346013	1.4686	49.0312
Amphetamine	Amphetamine-D11	4.344	578290	139945	4.1323	53.4730
Hydrocodone	Hydrocodone-D6	4.635	154146	178329	0.8644	49.7836
Norhydrocodone	Norhydrocodone-D3	4.659	6735	36760	0.1832	44.4855
Methamphetamine	Methamphetamine-D11	4.702	304913	167843	1.8167	49.0484
6-MAM	6-MAM-D6	4.849	7124	57498	0.1239	4.9549
Phentermine	Phentermine-D5	5.546	186055	295950	0.6287	53.2671
Dextrophan	Dextrophan-D3	6.042	282520	535705	0.5274	49.3076
7-aminoclonazepam	7-Aminoclonazepam-D4	6.134	350421	293141	1.1954	50.5476
Tramadol	Tramadol-13C-D3	6.159	1758407	1680009	1.0467	47.1092
Doxylamine	Doxylamine-D5	6.483	944959	949178	0.9956	49.5334
Bupropion	Bupropion-D9	6.730	503559	344981	1.4597	49.1181
Meprobamate	Meprobamate-D7	6.813	137755	109275	1.2606	49.3991
Zolpidem	Zolpidem-D6	6.842	1234577	1315601	0.9384	49.6701
Venlafaxine	Venlafaxine-D6	6.986	1387643	1152497	1.2040	46.9402
Trazodone	Trazodone-D6	7.076	704716	484155	1.4556	49.6316
Citalopram	Citalopram-D6	7.138	638759	604755	1.0562	47.7378

TS

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report *a cal 4-50ng*

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Dextromethorphan	Dextromethorphan-D3	7.150	243312	203556	1.1953	45.7815
Diphenhydramine	Diphenhydramine-D3	7.173	1171672	1406428	0.8331	47.7866
Promethazine	Promethazine-D3	7.368	864496	706455	1.2237	46.2539
Clonazepam	Clonazepam-D4	7.424	365725	64943	5.6315	49.8469
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.480	75364	70235	1.0730	46.1488
Carisoprodol	Carisoprodol-D7	7.514	349621	262441	1.3322	50.4083
Lorazepam	Alprazolam-D5	7.523	166974	439545	0.3799	47.9720
Alprazolam	Alprazolam-D5	7.547	738505	439545	1.6802	47.7268

TS

ISP FORENSICS - Pocatello Instrument # 59740

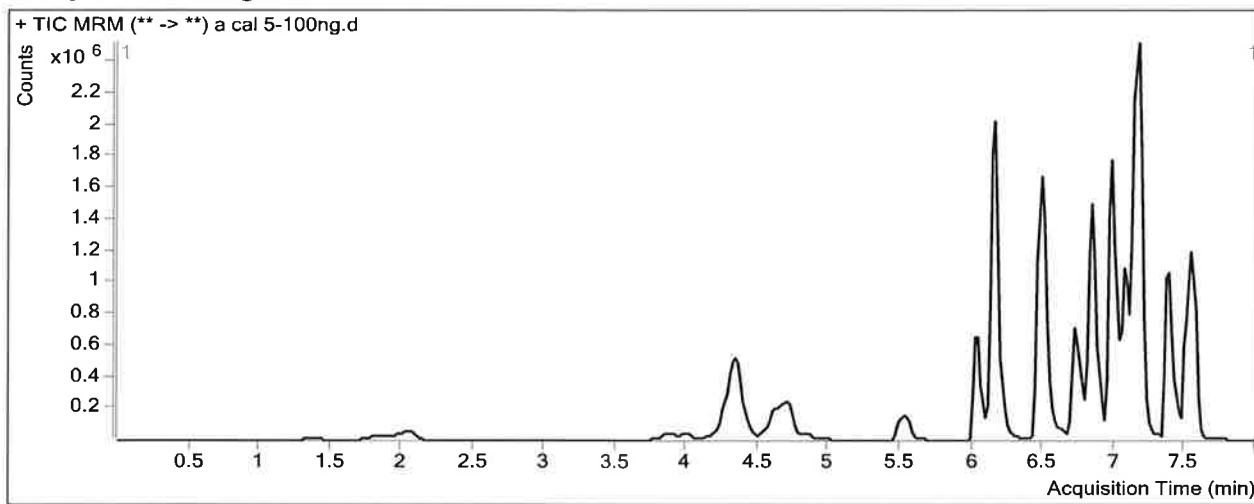
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist 2251\QuantResults\MDQ Panel 1a TS w		
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Report Time	4/5/2018 3:25 PM	Reporter Name	ISPUser
Last Calib Update	4/5/2018 3:05 PM	Batch State	Processed

Analysis Info

Acq Time	2018-04-02 14:51	Data File	a cal 5-100ng.d
Sample Type	Calibration	Sample Name	a cal 5-100ng
Dilution	1	Acq Method	MD Quant Panel 1a 1-19-2018.m
Position	P1-D12	Sample Info	
Inj Vol	-1	Comment	AM 28 worklist 2301 2251 - TS

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.388	26497	5345	4.9570	101.5218
Hydromorphone	Hydromorphone-D6	2.049	131189	42908	3.0574	90.2732
Codeine	Codeine-D6	3.992	122872	52860	2.3245	88.1205
Oxycodone	Oxycodone-D6	4.330	1277595	431344	2.9619	97.8445
Amphetamine	Amphetamine-D11	4.344	1485238	178342	8.3280	110.0134
Hydrocodone	Hydrocodone-D6	4.635	379906	214809	1.7686	100.9591
Norhydrocodone	Norhydrocodone-D3	4.679	19105	42850	0.4459	98.6753
Methamphetamine	Methamphetamine-D11	4.724	891466	243785	3.6568	98.3791
6-MAM	6-MAM-D6	4.849	16427	72006	0.2281	9.0602
Phentermine	Phentermine-D5	5.546	492813	400479	1.2306	105.2271
Dextrophan	Dextrophan-D3	6.042	722337	665907	1.0847	100.2668
7-aminoclonazepam	7-Aminoclonazepam-D4	6.134	805801	324768	2.4812	105.0009
Tramadol	Tramadol-13C-D3	6.159	4733905	2249946	2.1040	93.3076
Doxylamine	Doxylamine-D5	6.483	2496025	1329040	1.8781	92.8340
Bupropion	Bupropion-D9	6.730	1267884	434359	2.9190	97.3393
Meprobamate	Meprobamate-D7	6.833	325708	123023	2.6475	103.1141
Zolpidem	Zolpidem-D6	6.842	2924001	1649937	1.7722	92.3396
Venlafaxine	Venlafaxine-D6	6.986	3612183	1506484	2.3978	91.6422
Trazodone	Trazodone-D6	7.076	1673605	615636	2.7185	91.9730
Citalopram	Citalopram-D6	7.138	1488978	715088	2.0822	92.3105

TS

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

a cal 5-100ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Dextromethorphan	Dextromethorphan-D3	7.150	644007	253149	2.5440	95.1571
Diphenhydramine	Diphenhydramine-D3	7.173	3086646	1744478	1.7694	100.5514
Promethazine	Promethazine-D3	7.368	2125775	847525	2.5082	93.3430
Clonazepam	Clonazepam-D4	7.405	705714	63283	11.1516	98.1468
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.480	155415	70820	2.1945	92.1806
Carisoprodol	Carisoprodol-D7	7.514	742315	285055	2.6041	97.9160
Lorazepam	Alprazolam-D5	7.523	268922	465996	0.5771	72.7403
Alprazolam	Alprazolam-D5	7.547	1620679	465996	3.4779	97.8778

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ISP FORENSICS - Pocatello Instrument # 59740

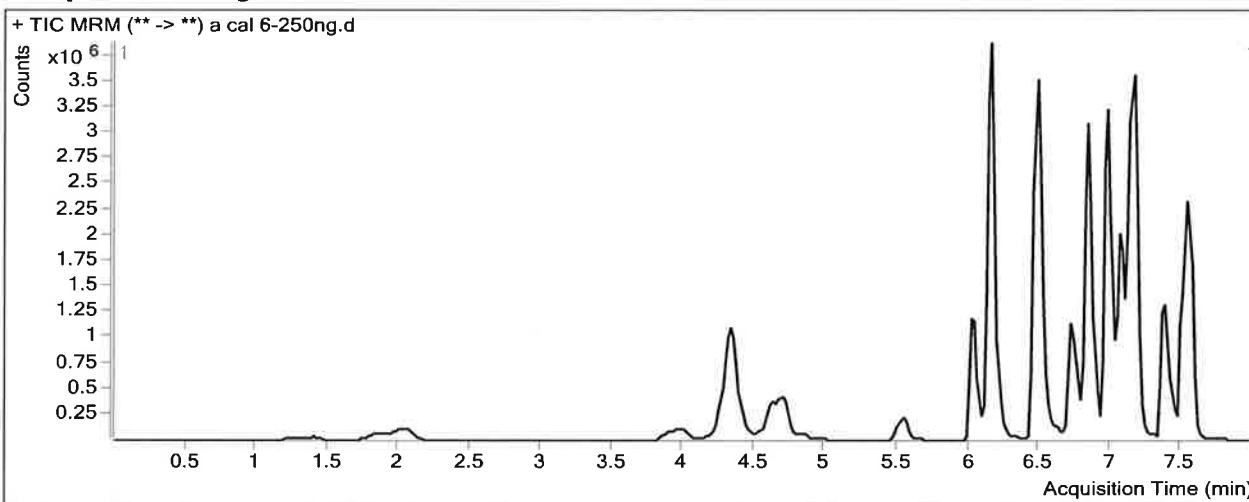
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist 2251\QuantResults\MDQ Panel 1a TS v
Analysis Time 4/5/2018 3:05 PM **Analyst Name** ISPUser
Report Time 4/5/2018 3:25 PM **Reporter Name** ISPUser
Last Calib Update 4/5/2018 3:05 PM **Batch State** Processed

Analysis Info

Acq Time 2018-04-02 15:22 **Data File** a cal 6-250ng.d
Sample Type Calibration **Sample Name** a cal 6-250ng
Dilution 1 **Acq Method** MD Quant Panel 1a 1-19-2018.m
Position P1-C12 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist ~~2301~~ 2251 - TS

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.388	62242	4704	13.2318	272.5920
Hydromorphone	Hydromorphone-D6	2.049	316342	36987	8.5527	247.4966
Codeine	Codeine-D6	3.992	294381	45363	6.4895	242.2842
Oxycodone	Oxycodone-D6	4.330	2968052	382496	7.7597	254.6769
Amphetamine	Amphetamine-D11	4.344	2696064	133031	20.2664	270.8910
Hydrocodone	Hydrocodone-D6	4.635	860941	191733	4.4903	255.0060
Norhydrocodone	Norhydrocodone-D3	4.679	41474	39096	1.0608	225.5639
Methamphetamine	Methamphetamine-D11	4.702	1530863	150427	10.1768	273.1694
6-MAM	6-MAM-D6	4.849	39269	63659	0.6169	24.3713
Phentermine	Phentermine-D5	5.546	893950	306378	2.9178	250.8838
Dextrophan	Dextrophan-D3	6.022	1542665	583144	2.6454	242.9591
7-aminoclonazepam	7-Aminoclonazepam-D4	6.134	1734106	288895	6.0025	254.1359
Tramadol	Tramadol-13C-D3	6.159	10242630	1985208	5.1595	226.8098
Doxylamine	Doxylamine-D5	6.483	5944883	1158597	5.1311	252.4449
Bupropion	Bupropion-D9	6.730	2002028	272531	7.3460	243.6275
Meprobamate	Meprobamate-D7	6.813	668699	103011	6.4915	251.9911
Zolpidem	Zolpidem-D6	6.842	7010295	1523515	4.6014	237.1279
Venlafaxine	Venlafaxine-D6	6.986	8028650	1224199	6.5583	247.4436
Trazodone	Trazodone-D6	7.055	3304934	449517	7.3522	247.3223
Citalopram	Citalopram-D6	7.118	2608022	490450	5.3176	232.8657

TS

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report *a cal 6-250ng*

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Dextromethorphan	Dextromethorphan-D3	7.150	974764	150843	6.4621	238.6027
Diphenhydramine	Diphenhydramine-D3	7.173	5248403	1190485	4.4086	249.2855
Promethazine	Promethazine-D3	7.368	2984846	455577	6.5518	241.5782
Clonazepam	Clonazepam-D4	7.405	1306638	47178	27.6961	242.9062
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.480	326512	57858	5.6433	233.7371
Carisoprodol	Carisoprodol-D7	7.514	1592613	234617	6.7881	254.1944
Lorazepam	Alprazolam-D5	7.523	492260	404766	1.2162	153.0025
Alprazolam	Alprazolam-D5	7.547	3603958	404766	8.9038	249.2453

TS

ISP FORENSICS - Pocatello Instrument # 59740

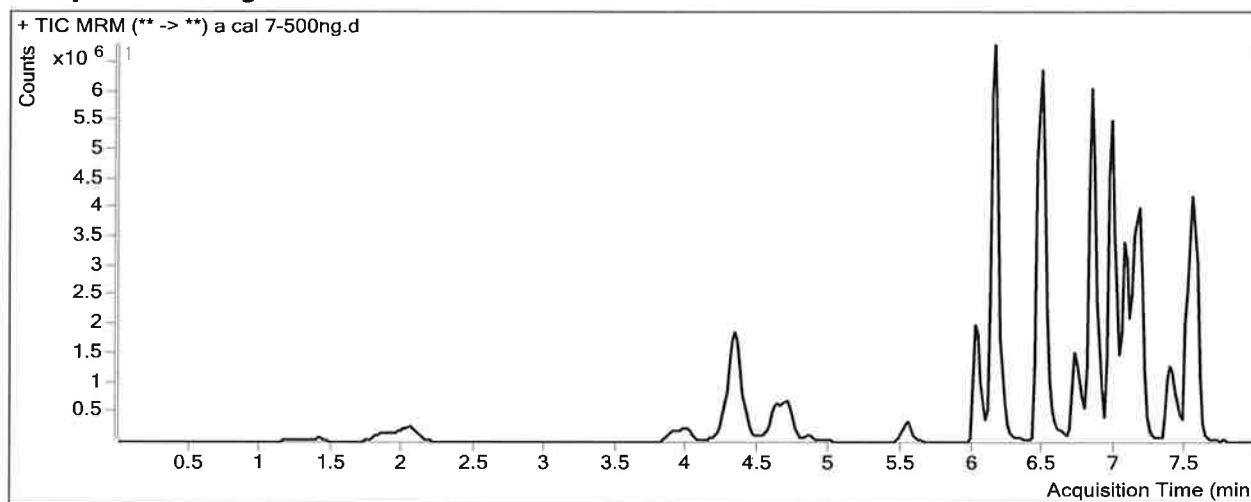
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist 2251\QuantResults\MDQ Panel 1a TS v		
Analysis Time	4/5/2018 3:05 PM	Analyst Name	ISPUser
Report Time	4/5/2018 3:25 PM	Reporter Name	ISPUser
Last Calib Update	4/5/2018 3:05 PM	Batch State	Processed

Analysis Info

Acq Time	2018-04-02 15:54	Data File	a cal 7-500ng.d
Sample Type	Calibration	Sample Name	a cal 7-500ng
Dilution	1	Acq Method	MD Quant Panel 1a 1-19-2018.m
Position	P1-B12	Sample Info	
Inj Vol	-1	Comment	AM 28 worklist 2304 2251 - TS

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.388	151519	5420	27.9564	577.0058
Hydromorphone	Hydromorphone-D6	2.049	738070	42332	17.4351	501.6296
Codeine	Codeine-D6'	3.992	598433	44747	13.3738	497.1006
Oxycodone	Oxycodone-D6	4.330	6062596	370564	16.3604	535.8209
Amphetamine	Amphetamine-D11	4.344	4018006	97867	41.0558	551.0397
Hydrocodone	Hydrocodone-D6	4.615	1683081	188103	8.9477	507.2848
Norhydrocodone	Norhydrocodone-D3	4.679	80866	31822	2.5412	531.0157
Methamphetamine	Methamphetamine-D11	4.702	2285395	117372	19.4714	522.3451
6-MAM	6-MAM-D6	4.849	84333	65431	1.2889	50.8398
Phentermine	Phentermine-D5	5.546	1419935	242457	5.8564	504.5720
Dextropropran	Dextropropran-D3	6.022	2741557	492405	5.5677	510.1393
7-aminoclonazepam	7-Aminoclonazepam-D4	6.134	3096352	251701	12.3017	520.9131
Tramadol	Tramadol-13C-D3	6.159	21171461	1760682	12.0246	526.7663
Doxylamine	Doxylamine-D5	6.483	10249624	1024314	10.0063	491.6488
Bupropion	Bupropion-D9	6.730	2803012	185046	15.1476	501.4234
Meprobamate	Meprobamate-D7	6.813	1284530	96511	13.3097	516.0591
Zolpidem	Zolpidem-D6	6.842	14472788	1502265	9.6340	494.6767
Venlafaxine	Venlafaxine-D6	6.986	14503837	1113590	13.0244	489.5828
Trazodone	Trazodone-D6	7.055	5356320	334938	15.9920	536.9804
Citalopram	Citalopram-D6	7.118	3274443	298166	10.9819	478.9411

TS

a cal 7-500ng

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

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Dextromethorphan	Dextromethorphan-D3	7.150	1077610	76027	14.1740	520.9388
Diphenhydramine	Diphenhydramine-D3	7.173	6152955	693007	8.8786	501.1918
Promethazine	Promethazine-D3	7.368	2714298	195619	13.8755	510.0592
Clonazepam	Clonazepam-D4	7.405	2198289	37085	59.2766	519.2254
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.480	628187	52731	11.9131	491.0802
Carisoprodol	Carisoprodol-D7	7.514	2983327	212963	14.0087	523.8903
Lorazepam	Alprazolam-D5	7.523	852878	375433	2.2717	285.5722
Alprazolam	Alprazolam-D5	7.547	6929415	375433	18.4571	515.7537

TS

ISP FORENSICS - Pocatello Instrument # 59740

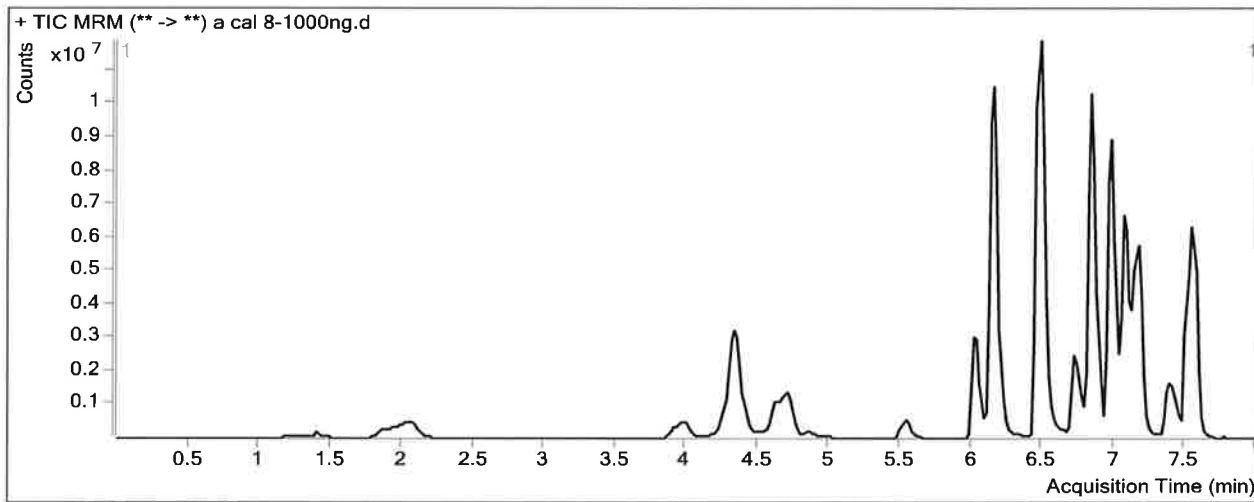
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist 2251\QuantResults\MDQ Panel 1a TS w
Analysis Time 4/5/2018 3:05 PM **Analyst Name** ISPUser
Report Time 4/5/2018 3:25 PM **Reporter Name** ISPUser
Last Calib Update 4/5/2018 3:05 PM **Batch State** Processed

Analysis Info

Acq Time 2018-04-02 16:26 **Data File** a cal 8-1000ng.d
Sample Type Calibration **Sample Name** a cal 8-1000ng
Dilution 1 **Acq Method** MD Quant Panel 1a 1-19-2018.m
Position P1-A12 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist ~~2301~~ 2251 - TS

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.388	165397	3991	41.4399	855.7623
Hydromorphone	Hydromorphone-D6	2.049	1561104	44114	35.3883	1015.2833
Codeine	Codeine-D6	3.972	1019507	36881	27.6428	1025.2502
Oxycodone	Oxycodone-D6	4.330	10833957	331628	32.6690	1068.9203
Amphetamine	Amphetamine-D11	4.344	5901606	86709	68.0619	914.9641
Hydrocodone	Hydrocodone-D6	4.615	2867220	164291	17.4521	988.6246
Norhydrocodone	Norhydrocodone-D3	4.679	131231	22088	5.9412	1232.5496
Methamphetamine	Methamphetamine-D11	4.702	4319679	123104	35.0896	941.0425
6-MAM	6-MAM-D6	4.849	151787	55377	2.7410	108.0340
Phentermine	Phentermine-D5	5.546	2397101	209491	11.4425	986.8076
Dextrorphan	Dextrorphan-D3	6.022	4524973	388021	11.6617	1067.3078
7-aminoclonazepam	7-Aminoclonazepam-D4	6.134	4640681	202565	22.9096	970.1711
Tramadol	Tramadol-13C-D3	6.159	36104909	1570414	22.9907	1005.9074
Doxylamine	Doxylamine-D5	6.483	21133080	928507	22.7603	1117.4238
Bupropion	Bupropion-D9	6.730	4901300	147146	33.3091	1101.5502
Meprobamate	Meprobamate-D7	6.813	1978107	78304	25.2620	978.9731
Zolpidem	Zolpidem-D6	6.842	26894145	1343683	20.0152	1025.9511
Venlafaxine	Venlafaxine-D6	6.986	25258775	924773	27.3135	1024.6730
Trazodone	Trazodone-D6	7.055	10587268	333254	31.7694	1065.9336
Citalopram	Citalopram-D6	7.118	5226787	216980	24.0887	1048.3417

TS

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

a cal 8-1000ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Dextromethorphan	Dextromethorphan-D3	7.150	1529977	56115	27.2649	1000.2040
Diphenhydramine	Diphenhydramine-D3	7.173	9700520	520110	18.6509	1051.9061
Promethazine	Promethazine-D3	7.368	3487720	126990	27.4646	1008.2284
Clonazepam	Clonazepam-D4	7.424	3139019	26123	120.1621	1051.9557
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.480	1028946	40829	25.2013	1036.4961
Carisoprodol	Carisoprodol-D7	7.514	4580358	167162	27.4008	1024.0999
Lorazepam	Alprazolam-D5	7.523	1280665	295647	4.3317	544.2957
Alprazolam	Alprazolam-D5	7.547	11106239	295647	37.5659	1048.8317

TS

ISP FORENSICS - Pocatello Instrument # 59740

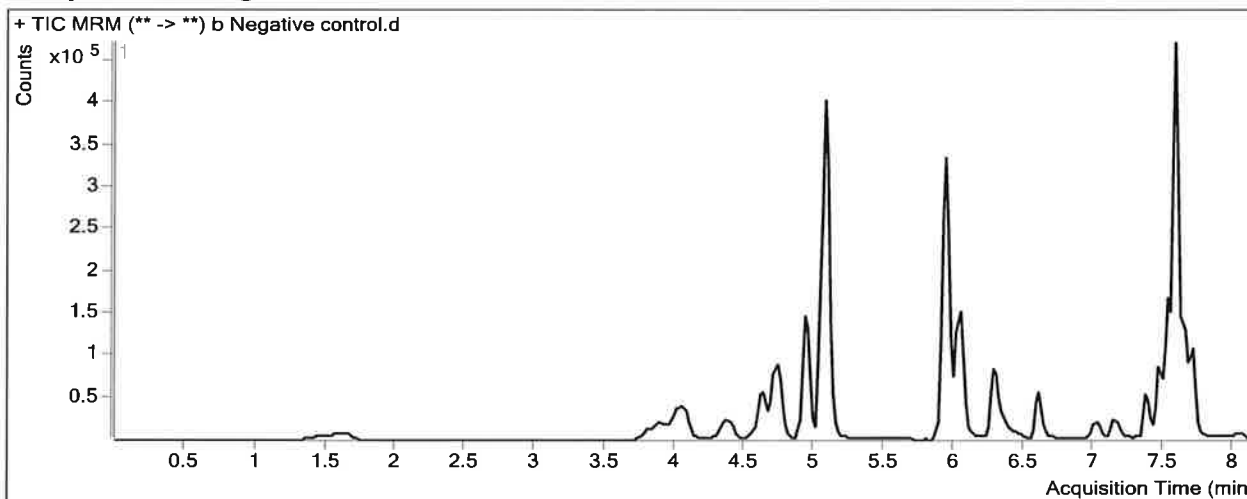
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist 2251\QuantResults\MDQ P
Analysis Time 4/4/2018 2:13 PM **Analyst Name** ISPUser
Report Time 4/4/2018 2:18 PM **Reporter Name** ISPUser
Last Calib Update 4/4/2018 2:13 PM **Batch State** Processed

Analysis Info

Acq Time 2018-04-02 17:28 **Data File** b Negative control.d
Sample Type Sample **Sample Name** b Negative control
Dilution 1 **Acq Method** MD Quant Panel 1b 12-12-17.m
Position P1-D11 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist ~~2301~~ 2251 - TS

Sample Chromatogram



TS

ISP FORENSICS - Pocatello Instrument # 59740

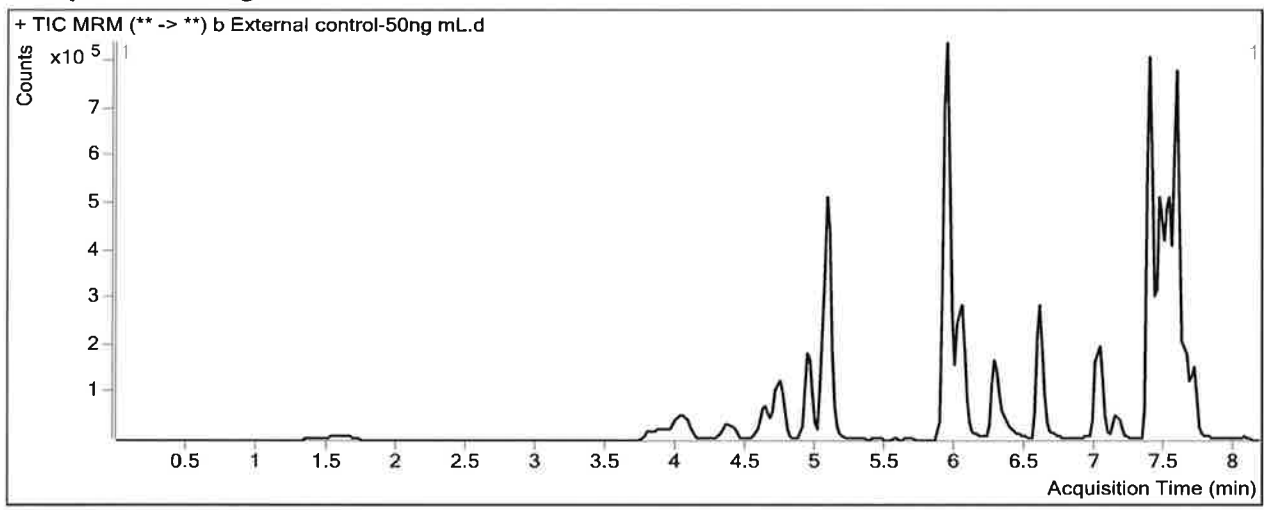
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist 2251\QuantResults\MDQ Panel 1b TS v
Analysis Time 4/4/2018 2:13 PM **Analyst Name** ISPUser
Report Time 4/4/2018 2:18 PM **Reporter Name** ISPUser
Last Calib Update 4/4/2018 2:13 PM **Batch State** Processed

Analysis Info

Acq Time 2018-04-02 18:00 **Data File** b External control-50ng mL.d
Sample Type Sample **Sample Name** b External control-50ng mL
Dilution 1 **Acq Method** MD Quant Panel 1b 12-12-17.m
Position P1-C11 **Sample Info**
Inj Vol -1 **Comment** AM 28; WS121217 50 ng trazodone, ketamine, morphine, quetiapine

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Ketamine	Ketamine-D4	5.941	1233441	985881	1.2511	54.2728
Quetiapine	Quetiapine-D8	7.380	1419407	325543	4.3601	39.7643

TS

ISP FORENSICS - Pocatello Instrument # 59740

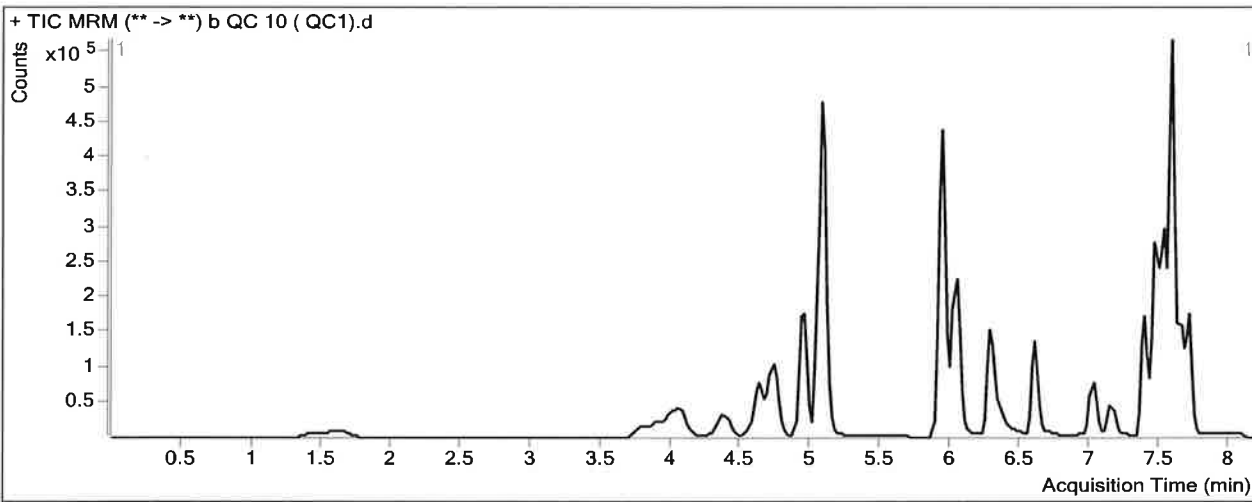
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist 2251\QuantResults\MDQ Panel 1b TS v
Analysis Time 4/4/2018 2:13 PM **Analyst Name** ISPUser
Report Time 4/4/2018 2:18 PM **Reporter Name** ISPUser
Last Calib Update 4/4/2018 2:13 PM **Batch State** Processed

Analysis Info

Acq Time 2018-04-02 19:03 **Data File** b QC 10 (QC1).d
Sample Type QC **Sample Name** b QC 10 (QC1)
Dilution 1 **Acq Method** MD Quant Panel 1b 12-12-17.m
Position P1-H11 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist 2301 22 51 - TS

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.648	34446	132318	0.2603	9.9201
Dihydrocodeine	Dihydrocodeine-D6	3.877	25204	152211	0.1656	9.4693
Naloxone	Naloxone-D5	4.112	48260	332076	0.1453	9.1667
Noroxycodone	Noroxycodone-D3	4.417	45958	165612	0.2775	9.8091
Naltrexone	Naltrexone-D3	4.651	57105	293402	0.1946	9.5188
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.784	11626	474875	0.0245	0.8993
Naltrexol	Naltrexol-D3	4.950	131024	589223	0.2224	9.5946
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.096	333723	1662190	0.2008	10.1041
Ketamine	Ketamine-D4	5.941	149641	739302	0.2024	9.1701
Norfentanyl	Norfentanyl-D5	5.964	13862	892224	0.0155	1.1802
alpha-PVP	alpha-PVP-d8	6.288	102959	610461	0.1687	9.0115
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.621	6736	480847	0.0140	1.3970
Norbuprenorphine	Norbuprenorphine-D3	6.975	220	12361	0.0178	2.0223
Fentanyl	Fentanyl-D5	7.019	3478	270832	0.0128	1.2529
EDDP	EDDP-D3	7.150	23617	124674	0.1894	11.1044
Sufentanil	Sufentanil-D5	7.399	3198	143705	0.0223	0.9867
Quetiapine	Quetiapine-D8	7.380	189435	190691	0.9934	9.5400
Cyclobenzaprine	Cyclobenzaprine-D3	7.433	25531	109048	0.2341	9.5931
Methadone	Methadone-D9	7.463	143086	641082	0.2232	9.3782

outside
curve
range

outside curve
range - TS
compound not
evaluated - TS

TS

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

b QC 10 (QC1)

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.523	64976	322407	0.2015	9.6110
Oxazepam	Oxazepam-D5	7.549	48786	354598	0.1376	10.2963
Sertraline	Sertraline-D3	7.585	25234	140170	0.1800	9.5079
Temazepam	Temazepam-D5	7.587	158306	1115145	0.1420	9.8878
Buprenorphine	Buprenorphine-D4	7.597	4878	150190	0.0325	3.2053
Nordiazepam	Nordiazepam-D5	7.655	92240	307876	0.2996	9.2898
Diazepam	Diazepam-D5	7.712	66164	294544	0.2246	10.1146

TS

ISP FORENSICS - Pocatello Instrument # 59740

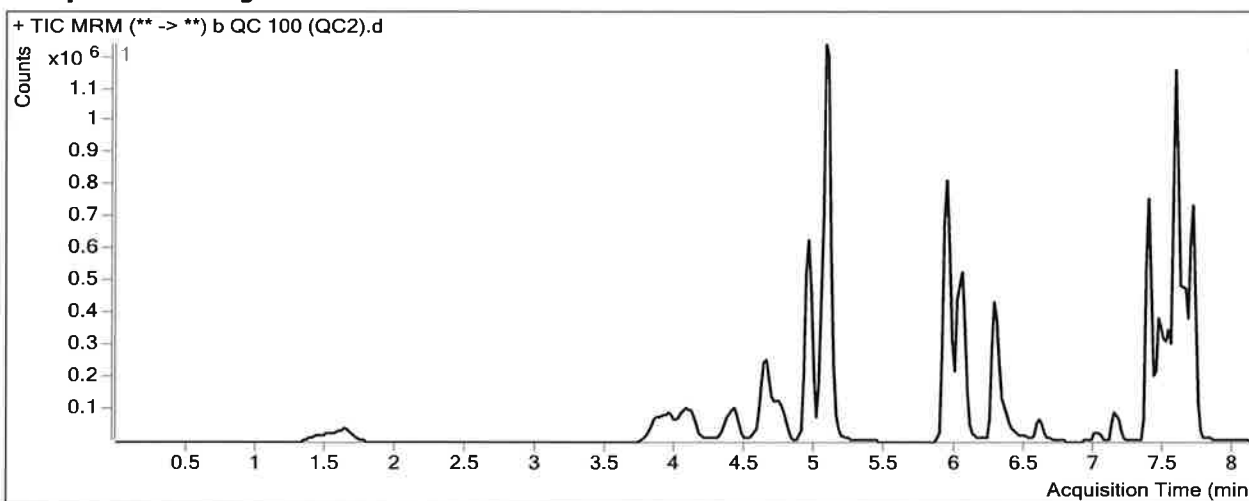
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist 2251\QuantResults\MDQ Panel 1b TS v
Analysis Time 4/4/2018 2:13 PM **Analyst Name** ISPUser
Report Time 4/4/2018 2:18 PM **Reporter Name** ISPUser
Last Calib Update 4/4/2018 2:13 PM **Batch State** Processed

Analysis Info

Acq Time 2018-04-02 21:40 **Data File** b QC 100 (QC2).d
Sample Type QC **Sample Name** b QC 100 (QC2)
Dilution 1 **Acq Method** MD Quant Panel 1b 12-12-17.m
Position P1-G11 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist 2201 22 E1 - TS

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.648	373662	125044	2.9883	92.3040
Dihydrocodeine	Dihydrocodeine-D6	3.935	282334	156990	1.7984	90.5373
Naloxone	Naloxone-D5	4.112	528753	301505	1.7537	97.0671
Noroxycodone	Noroxycodone-D3	4.417	451038	147141	3.0653	90.6569
Naltrexone	Naltrexone-D3	4.651	569437	265062	2.1483	98.0943
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.804	124815	481644	0.2591	8.5270
Naltrexol	Naltrexol-D3	4.950	1420516	600706	2.3647	94.3589
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.096	3516040	1691111	2.0791	91.9558
Ketamine	Ketamine-D4	5.941	1597842	709321	2.2526	97.3468
Norfentanyl	Norfentanyl-D5	5.984	151504	821627	0.1844	9.0534
alpha-PVP	alpha-PVP-d8	6.288	986558	499270	1.9760	97.2059
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.601	27588	213145	0.1294	8.7728
Norbuprenorphine	Norbuprenorphine-D3	6.935	769	5792	0.1328	7.6277
Fentanyl	Fentanyl-D5	7.039	14006	81670	0.1715	9.8075
EDDP	EDDP-D3	7.150	158538	81313	1.9497	92.5738
Sufentanil	Sufentanil-D5	7.379	7682	39859	0.1927	9.4883
Quetiapine	Quetiapine-D8	7.380	1636306	147539	11.0907	100.1874
Cyclobenzaprine	Cyclobenzaprine-D3	7.433	79793	29173	2.7352	93.6951
Methadone	Methadone-D9	7.463	630059	255947	2.4617	98.9956

Compound not evaluated - D

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ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report b QC 100 (QC2)

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.523	164502	75729	2.1722	98.1435
Oxazepam	Oxazepam-D5	7.529	343039	222544	1.5414	93.6340
Sertraline	Sertraline-D3	7.585	65019	29770	2.1841	105.0457
Temazepam	Temazepam-D5	7.587	1710206	1022699	1.6722	91.3490
Buprenorphine	Buprenorphine-D4	7.597	19965	63899	0.3124	8.4381
Nordiazepam	Nordiazepam-D5	7.655	890862	271439	3.2820	93.9622
Diazepam	Diazepam-D5	7.712	732954	287117	2.5528	98.3532

TS

ISP FORENSICS - Pocatello Instrument # 59740

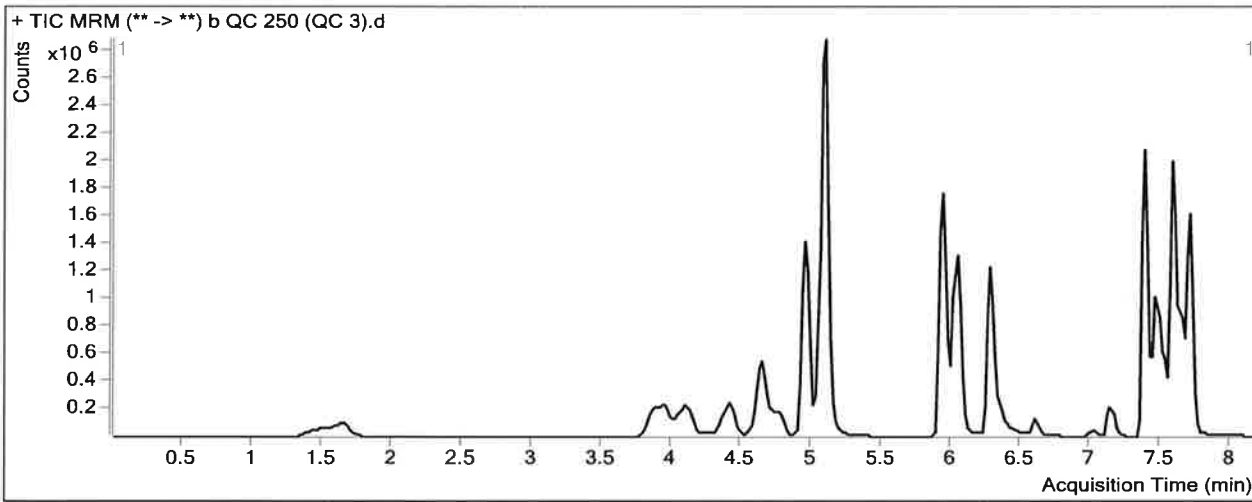
Multi-Drug Confirmatory Analysis Report *b QC 250 (QC3)*

Batch Data Path C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist 2251\QuantResults\MDQ Panel 1b TS v
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Report Time 4/4/2018 2:19 PM **Reporter Name** ISPUser
Last Calib Update 4/4/2018 2:13 PM **Batch State** Processed

Analysis Info

Acq Time 2018-04-03 00:17 **Data File** b QC 250 (QC 3).d
Sample Type QC **Sample Name** b QC 250 (QC 3)
Dilution 1 **Acq Method** MD Quant Panel 1b 12-12-17.m
Position P1-F11 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist-2251 2251

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.648	1109209	144483	7.6771	233.9085
Dihydrocodeine	Dihydrocodeine-D6	3.935	839394	172271	4.8725	243.1623
Naloxone	Naloxone-D5	4.112	1355344	287979	4.7064	258.4347
Noroxycodone	Noroxycodone-D3	4.417	1218979	153614	7.9353	231.8880
Naltrexone	Naltrexone-D3	4.651	1374002	253297	5.4245	246.6277
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.804	371449	530820	0.6998	22.8492
Naltrexol	Naltrexol-D3	4.950	3776840	628272	6.0115	238.6435
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.096	10133483	1892774	5.3538	234.6522
Ketamine	Ketamine-D4	5.941	4651055	806186	5.7692	248.5885
Norfentanyl	Norfentanyl-D5	5.984	474313	959209	0.4945	23.5117
alpha-PVP	alpha-PVP-d8	6.288	2927908	602503	4.8596	237.9179
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.621	98241	287204	0.3421	22.3600
Norbuprenorphine	Norbuprenorphine-D3	6.935	2644	6835	0.3868	20.0058 <i>compound not evaluated - TS</i>
Fentanyl	Fentanyl-D5	7.019	42306	104177	0.4061	22.4574
EDDP	EDDP-D3	7.150	457261	84814	5.3913	251.8566
Sufentanil	Sufentanil-D5	7.379	24699	47481	0.5202	25.8197
Quetiapine	Quetiapine-D8	7.380	4684125	167900	27.8983	251.0773
Cyclobenzaprine	Cyclobenzaprine-D3	7.453	219063	33349	6.5689	222.6059
Methadone	Methadone-D9	7.463	1766820	304018	5.8116	233.1080

TS

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

b QC 250 (QC3)

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.523	401766	74414	5.3991	243.1046
Oxazepam	Oxazepam-D5	7.529	479680	125896	3.8101	228.3111
Sertraline	Sertraline-D3	7.585	140142	25750	5.4424	260.3773
Temazepam	Temazepam-D5	7.587	3380941	854554	3.9564	212.9392
Buprenorphine	Buprenorphine-D4	7.597	59090	63721	0.9273	19.9310
Nordiazepam	Nordiazepam-D5	7.655	1641736	218878	7.5007	213.7333
Diazepam	Diazepam-D5	7.712	1830995	272157	6.7277	256.5840

TS

ISP FORENSICS - Pocatello Instrument # 59740

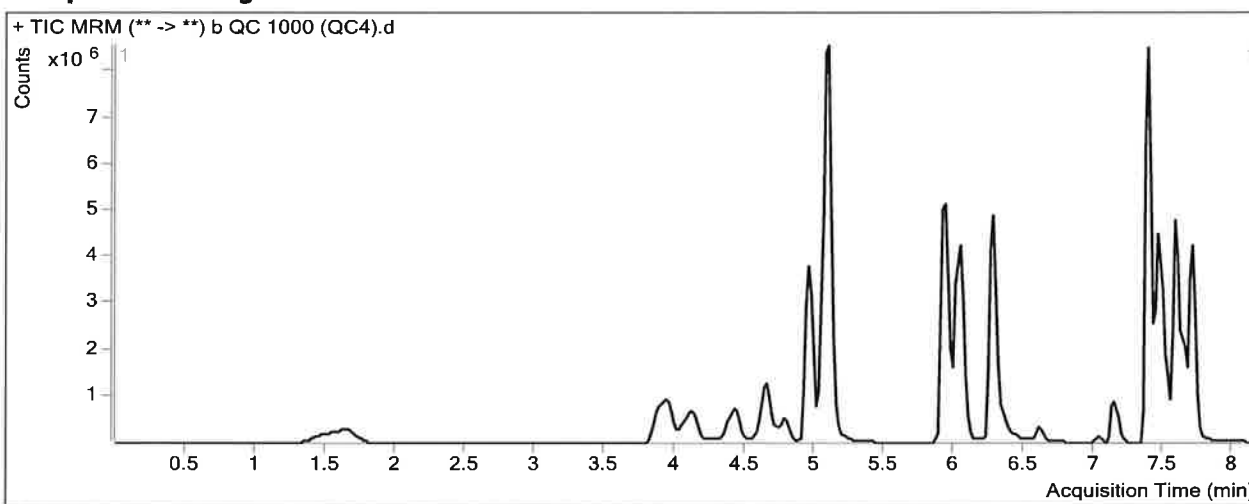
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist 2251\QuantResults\MDQ Panel 1b TS v
Analysis Time 4/4/2018 2:13 PM **Analyst Name** ISPUser
Report Time 4/4/2018 2:19 PM **Reporter Name** ISPUser
Last Calib Update 4/4/2018 2:13 PM **Batch State** Processed

Analysis Info

Acq Time 2018-04-03 03:42 **Data File** b QC 1000 (QC4).d
Sample Type QC **Sample Name** b QC 1000 (QC4)
Dilution 1 **Acq Method** MD Quant Panel 1b 12-12-17.m
Position P1-E11 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist-2201 2251 - TS

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.648	3826790	121318	31.5436	954.6804
Dihydrocodeine	Dihydrocodeine-D6	3.935	2984800	157044	19.0061	944.8724
Naloxone	Naloxone-D5	4.112	4132208	181459	22.7721	1245.7505
Noroxycodone	Noroxycodone-D3	4.417	3756077	107859	34.8240	1011.6633
Naltrexone	Naltrexone-D3	4.651	3548284	159572	22.2363	1008.8352
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.804	1535411	460262	3.3359	108.5377
Naltrexol	Naltrexol-D3	4.950	11742638	478052	24.5635	972.6651
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.096	36075064	1602543	22.5111	982.3049
Ketamine	Ketamine-D4	5.921	18175919	752255	24.1619	1039.6267
Norfentanyl	Norfentanyl-D5	5.984	1801792	791503	2.2764	106.5965
alpha-PVP	alpha-PVP-d8	6.288	11902426	585833	20.3171	992.2121
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.601	528351	339755	1.5551	99.8748
Norbuprenorphine	Norbuprenorphine-D3	6.935	11634	5539	2.1002	103.5121
Fentanyl	Fentanyl-D5	7.019	212132	104081	2.0382	110.4592
EDDP	EDDP-D3	7.150	2146500	93272	23.0134	1067.4387
Sufentanil	Sufentanil-D5	7.379	123505	53634	2.3028	114.7223
Quetiapine	Quetiapine-D8	7.380	19626254	186468	105.2525	945.5209
Cyclobenzaprine	Cyclobenzaprine-D3	7.433	1093353	40800	26.7980	902.8300
Methadone	Methadone-D9	7.463	8485931	328827	25.8067	1033.6089

compound not evaluated.
TS

TS

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

b QC 1000 (QC4)

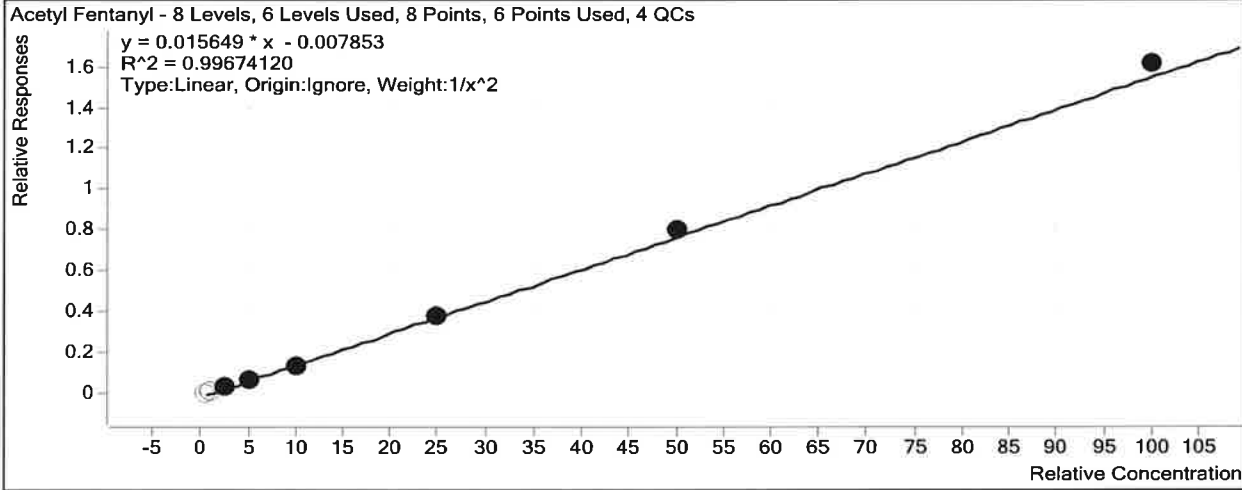
Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.504	1358282	62367	21.7788	978.9513
Oxazepam	Oxazepam-D5	7.529	1052110	60660	17.3445	1031.7545
Sertraline	Sertraline-D3	7.585	555301	23598	23.5314	1122.7263
Temazepam	Temazepam-D5	7.587	9943940	508104	19.5707	1044.1289
Buprenorphine	Buprenorphine-D4	7.597	221461	40798	5.4282	104.0577
Nordiazepam	Nordiazepam-D5	7.655	3795281	120201	31.5745	897.2054
Diazepam	Diazepam-D5	7.712	5446819	197672	27.5549	1045.9419

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist
2251\QuantResults\MDQ Panel 1b TS worklist 2251.batch.bin
Last Calib Update 4/4/2018 2:13 PM **Analyst Name** ISP TOX

Target Compound Acetyl Fentanyl
Internal Standard Acetyl Fentanyl-D5



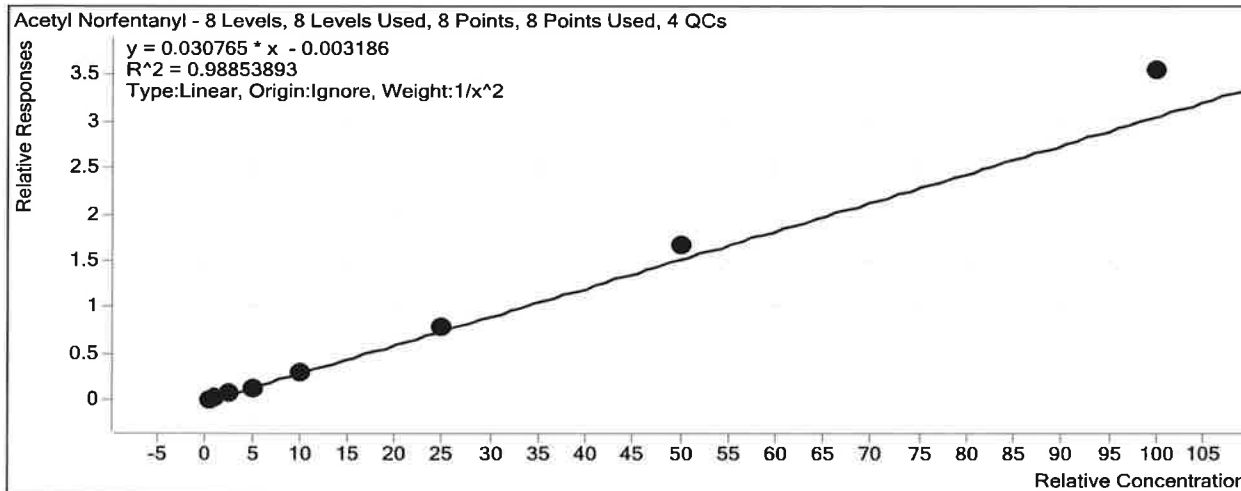
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b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	1	1.4	139.7
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.6	102.9
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.9	97.7
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.2	92.1
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	10	8.8	87.7
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	25.0	99.8
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	25	22.4	89.4
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	52.0	104.0
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	103.6	103.6
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	100	99.9	99.9

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist
2251\QuantResults\MDQ Panel 1b TS worklist 2251.batch.bin
Last Calib Update 4/4/2018 2:13 PM **Analyst Name** ISP TOX

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



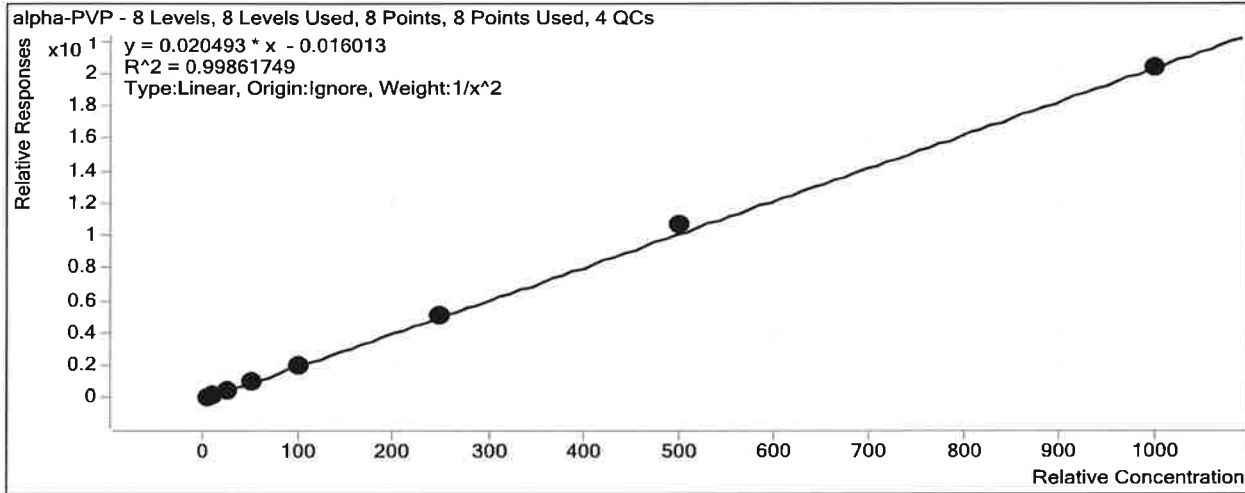
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b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.0	95.4
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	1	0.9	89.9
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.2	88.3
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.6	91.2
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.4	94.0
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	10	8.5	85.3
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	25.5	101.9
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	25	22.8	91.4
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	54.1	108.1
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	115.5	115.5
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	100	108.5	108.5

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist
2251\QuantResults\MDQ Panel 1b TS worklist 2251.batch.bin
Last Calib Update 4/4/2018 2:13 PM **Analyst Name** ISP TOX

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



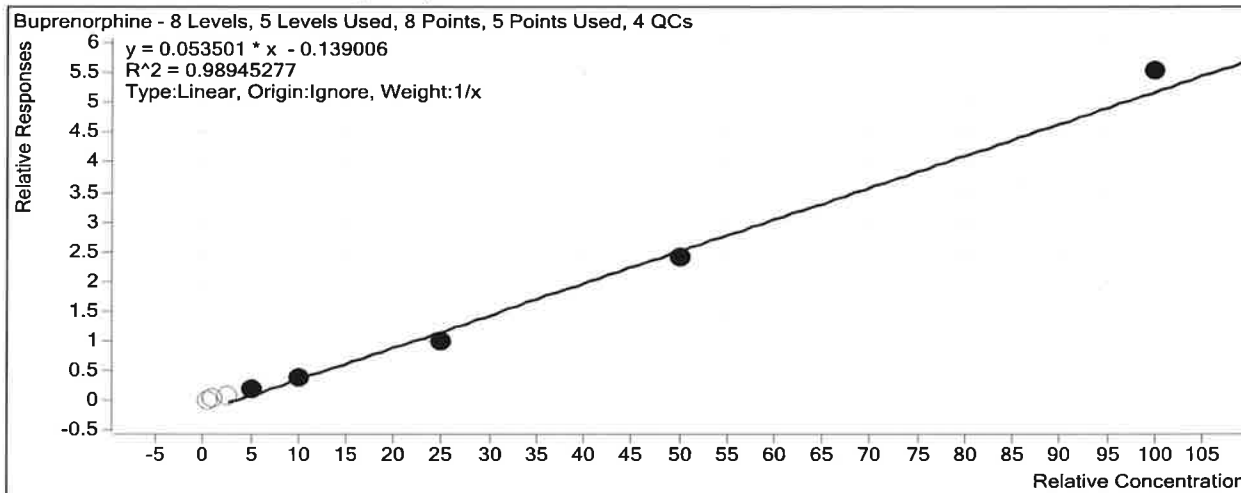
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.7
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	95.7
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.0	90.1
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.0	95.9
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.4	102.9
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.2	98.2
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	97.2	97.2
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	252.2	100.9
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	237.9	95.2
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	521.3	104.3
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	994.8	99.5
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	992.2	99.2

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist
2251\QuantResults\MDQ Panel 1b TS worklist 2251.batch.bin
Last Calib Update 4/4/2018 2:13 PM **Analyst Name** ISP TOX

Target Compound Buprenorphine
Internal Standard Buprenorphine-D4



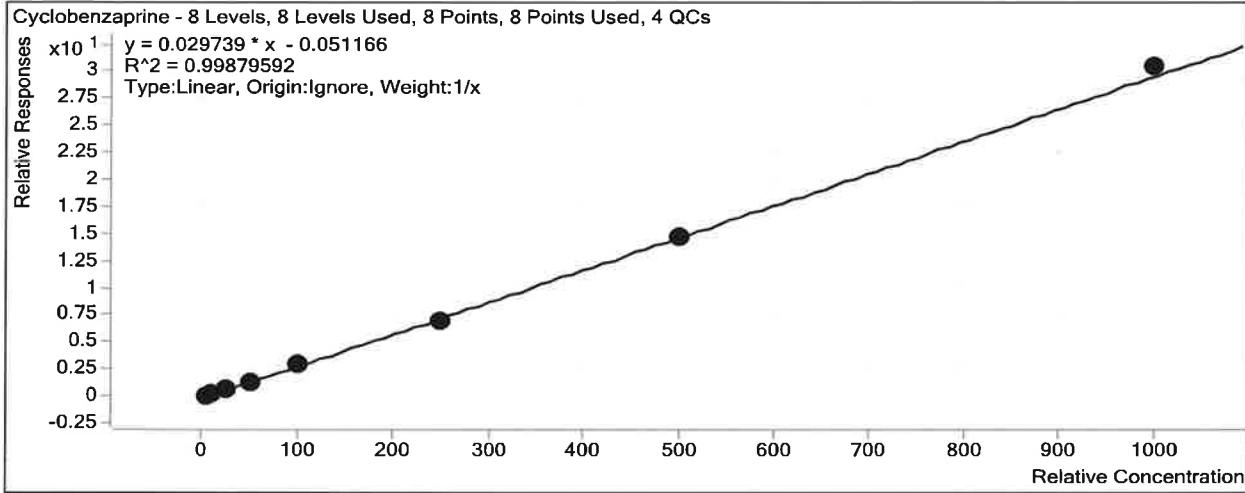
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b cal 1-5ng	1	<input type="checkbox"/>	0.5	2.9	587.2
b cal 2-10ng	2	<input type="checkbox"/>	1	3.2	320.1
b QC 10 (QC1)	2	<input type="checkbox"/>	1	3.2	320.5
b cal 3-25ng	3	<input type="checkbox"/>	2.5	4.3	170.3
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	5.9	118.6
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.6	96.5
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	10	8.4	84.4
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	21.0	84.1
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	25	19.9	79.7
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	47.4	94.9
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	106.0	106.0
b QC 1000 (QC4)	8	<input type="checkbox"/>	100	104.1	104.1

ISP Forensics Calibration Curve Report

15

Batch Data Path C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist
2251\QuantResults\MDQ Panel 1b TS worklist 2251.batch.bin
Last Calib Update 4/4/2018 2:13 PM **Analyst Name** ISP TOX

Target Compound Cyclobenzaprine
Internal Standard Cyclobenzaprine-D3



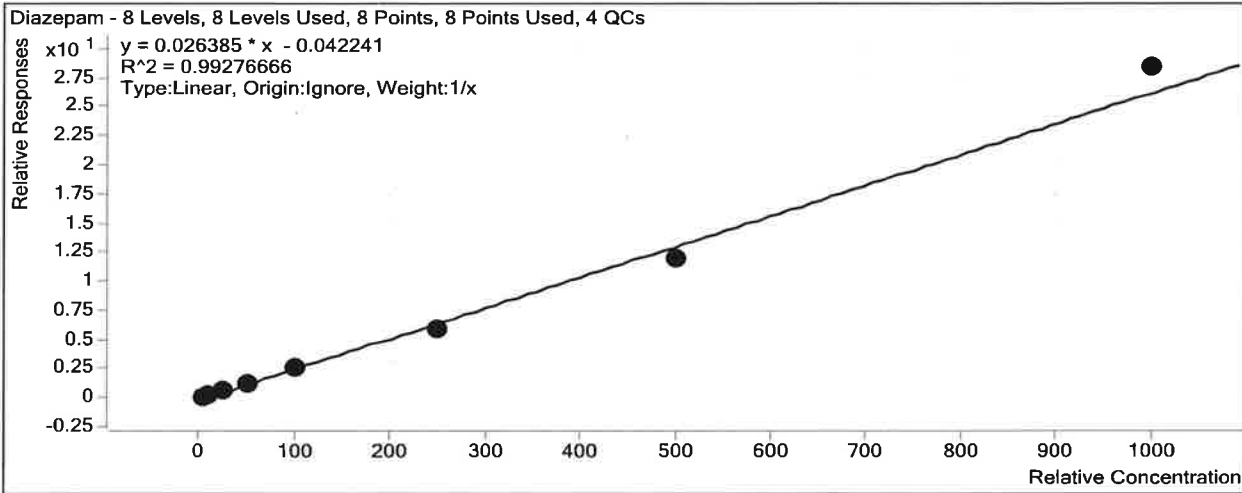
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
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b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	99.6
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.6	95.9
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.3	101.2
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.5	93.0
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.6	98.6
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	93.7	93.7
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	233.2	93.3
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	222.6	89.0
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	496.0	99.2
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1024.9	102.5
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	902.8	90.3

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist
 2251\QuantResults\MDQ Panel 1b TS worklist 2251.batch.bin
Last Calib Update 4/4/2018 2:13 PM **Analyst Name** ISP TOX

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



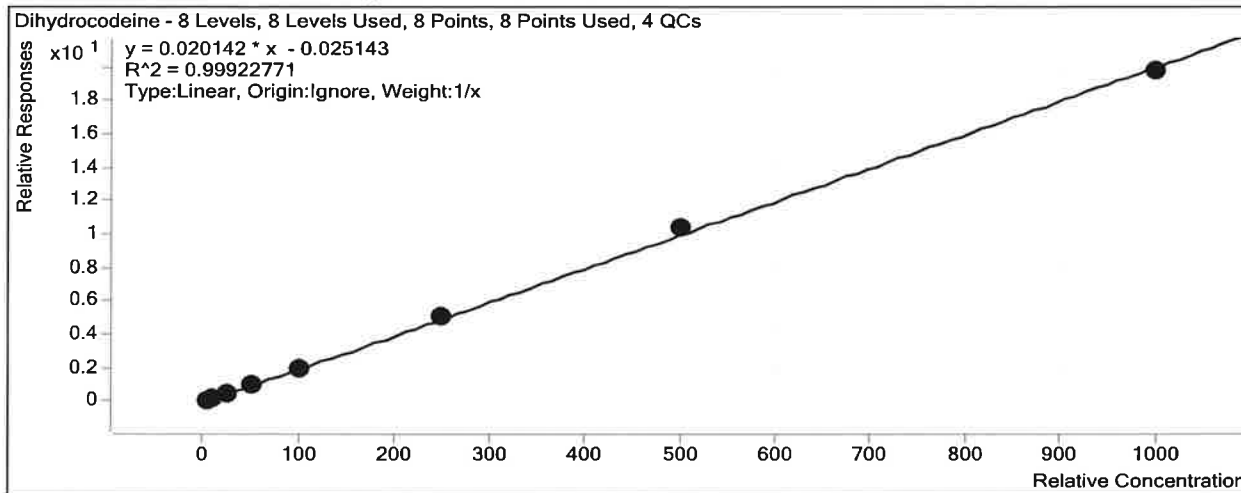
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
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b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.4	104.0
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.1	101.1
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.0	99.9
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.1	98.2
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	96.5	96.5
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	98.4	98.4
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	225.5	90.2
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	256.6	102.6
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	452.3	90.5
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1075.5	107.6
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1045.9	104.6

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist
2251\QuantResults\MDQ Panel 1b TS worklist 2251.batch.bin
Last Calib Update 4/4/2018 2:13 PM **Analyst Name** ISP TOX

Target Compound Dihydrocodeine
Internal Standard Dihydrocodeine-D6



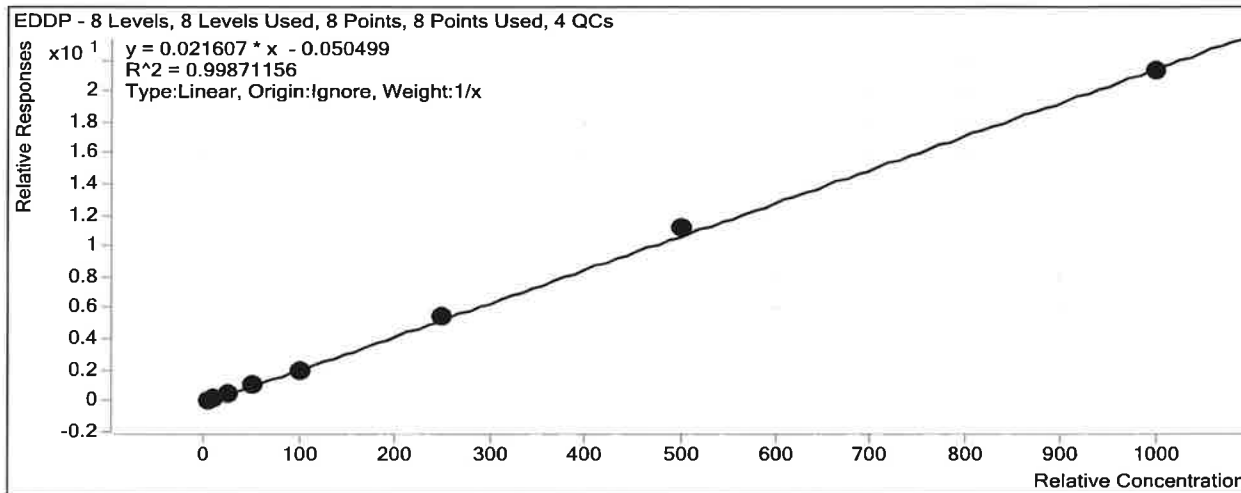
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
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b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	100.5
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.5	94.7
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.2	92.7
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.9	93.8
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.7	100.7
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	90.5	90.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	253.1	101.2
b QC 250 (QC3)	6	<input checked="" type="checkbox"/>	250	243.2	97.3
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	518.1	103.6
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	982.6	98.3
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	944.9	94.5

ISP Forensics Calibration Curve Report

15

Batch Data Path C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist
2251\QuantResults\MDQ Panel 1b TS worklist 2251.batch.bin
Last Calib Update 4/4/2018 2:13 PM **Analyst Name** ISP TOX

Target Compound EDDP
Internal Standard EDDP-D3



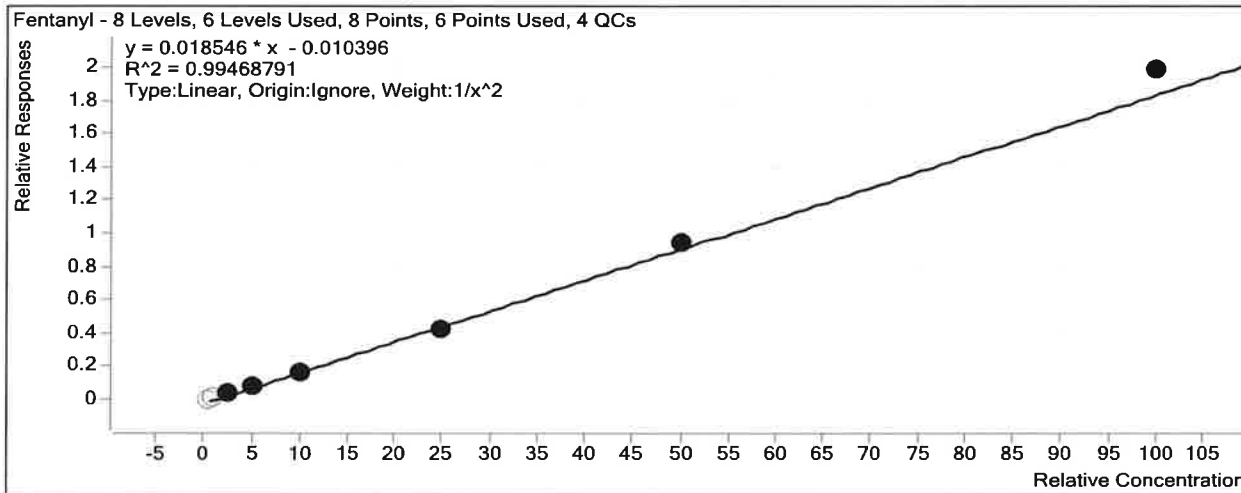
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b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	99.2
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	11.1	111.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.3	93.2
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.4	94.7
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	91.3	91.3
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	92.6	92.6
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	253.7	101.5
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	251.9	100.7
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	521.2	104.2
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	987.3	98.7
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1067.4	106.7

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist
2251\QuantResults\MDQ Panel 1b TS worklist 2251.batch.bin
Last Calib Update 4/4/2018 2:13 PM **Analyst Name** ISP TOX

Target Compound Fentanyl
Internal Standard Fentanyl-D5



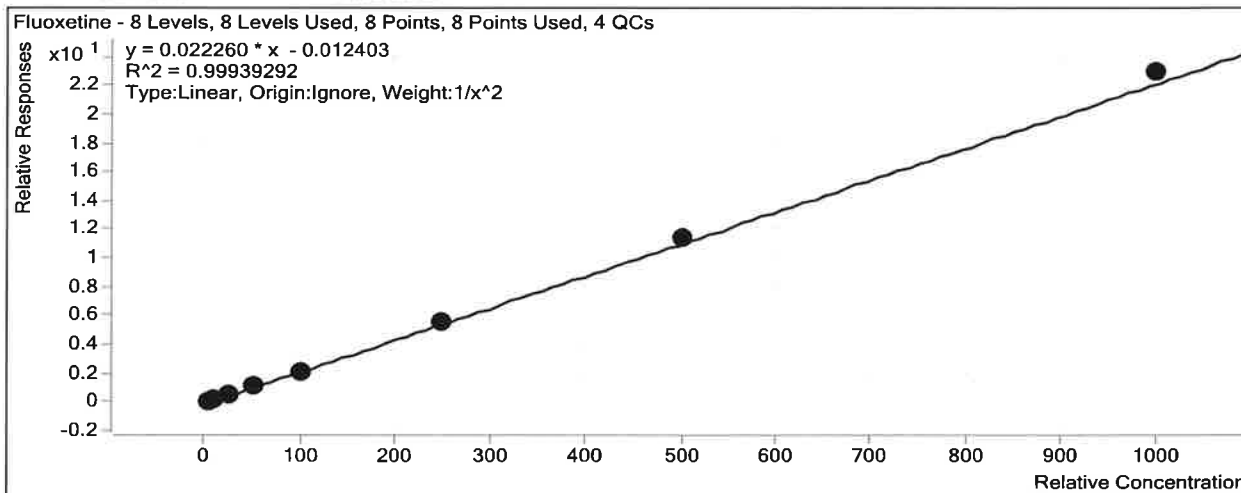
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b cal 2-10ng	2	<input type="checkbox"/>	1	1.3	131.0
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	1	1.3	125.3
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.6	104.0
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.7	93.8
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.7	97.1
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	10	9.8	98.1
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	23.4	93.8
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	25	22.5	89.8
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	51.9	103.8
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	107.4	107.4
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	100	110.5	110.5

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist
2251\QuantResults\MDQ Panel 1b TS worklist 2251.batch.bin
Last Calib Update 4/4/2018 2:13 PM **Analyst Name** ISP TOX

Target Compound Fluoxetine
Internal Standard Fluoxetine-D6



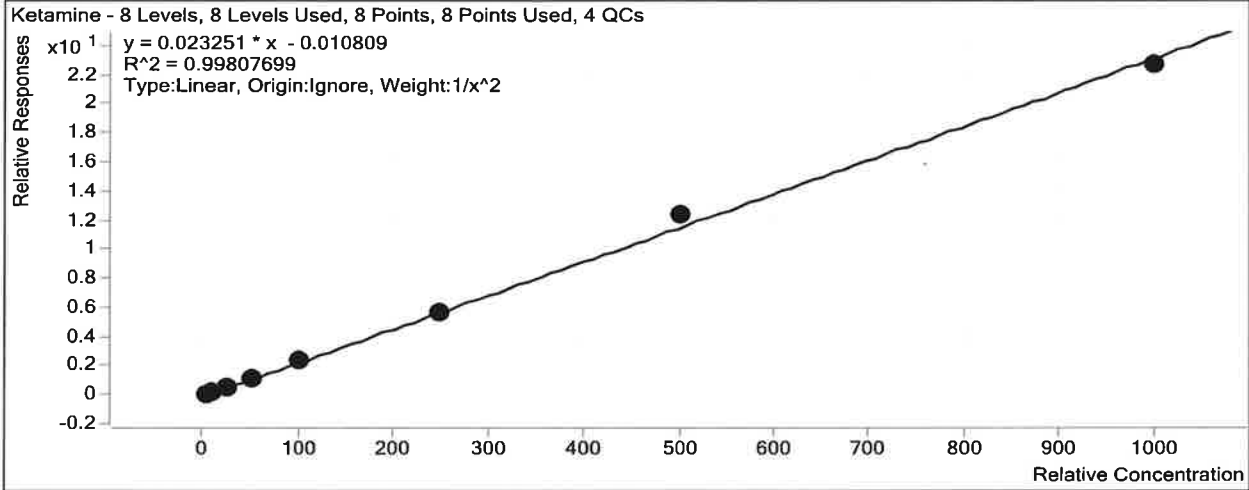
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b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	97.9
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.6	96.1
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.7	98.8
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.4	98.7
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.3	97.3
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	98.1	98.1
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	251.0	100.4
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	243.1	97.2
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	511.4	102.3
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1031.2	103.1
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	979.0	97.9

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist
2251\QuantResults\MDQ Panel 1b TS worklist 2251.batch.bin
Last Calib Update 4/4/2018 2:13 PM **Analyst Name** ISP TOX

Target Compound Ketamine
Internal Standard Ketamine-D4



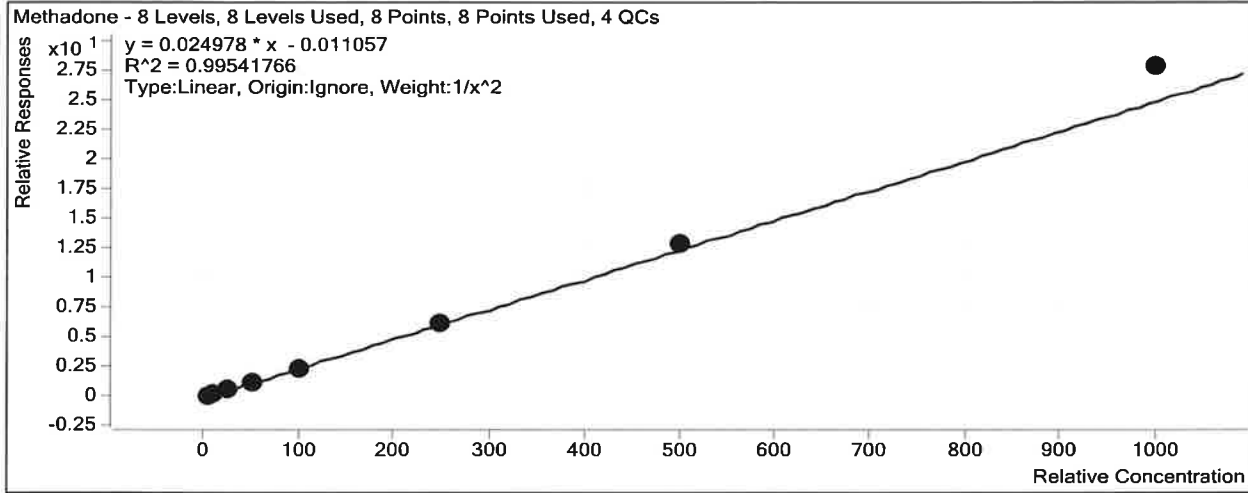
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.3
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.2	101.6
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.2	91.7
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.5	93.8
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.4	100.8
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.3	100.3
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	97.3	97.3
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	246.3	98.5
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	248.6	99.4
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	535.9	107.2
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	974.7	97.5
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1039.6	104.0

TS

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist
2251\QuantResults\MDQ Panel 1b TS worklist 2251.batch.bin
Last Calib Update 4/4/2018 2:13 PM **Analyst Name** ISP TOX

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



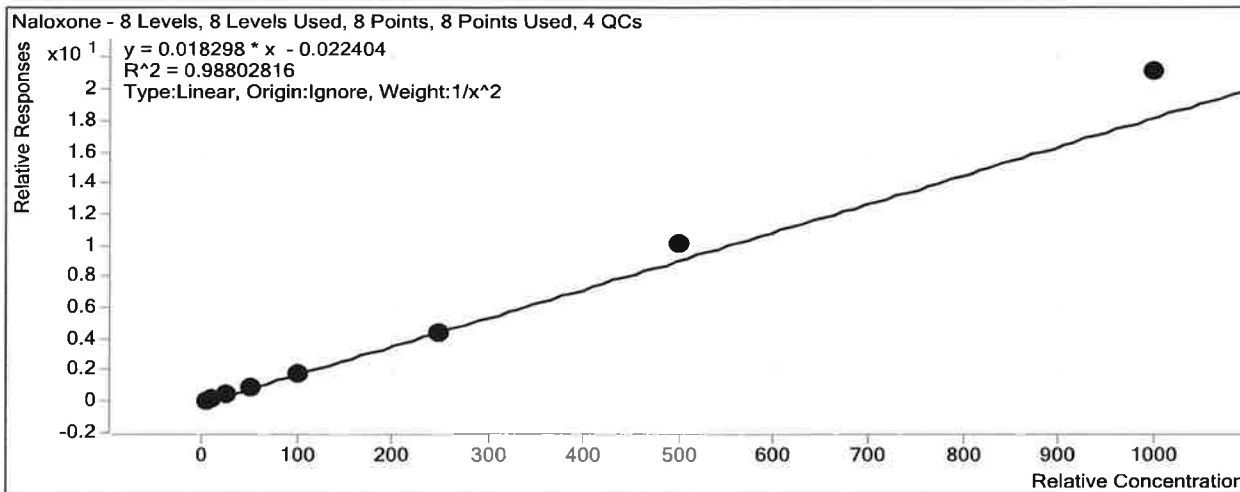
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.7
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	96.9
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.4	93.8
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.7	98.8
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	45.6	91.3
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.8	97.8
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	99.0	99.0
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	244.3	97.7
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	233.1	93.2
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	518.4	103.7
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1111.4	111.1
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1033.6	103.4

ISP Forensics Calibration Curve Report

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Batch Data Path C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist
2251\QuantResults\MDQ Panel 1b TS worklist 2251.batch.bin
Last Calib Update 4/4/2018 2:13 PM **Analyst Name** ISP TOX

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



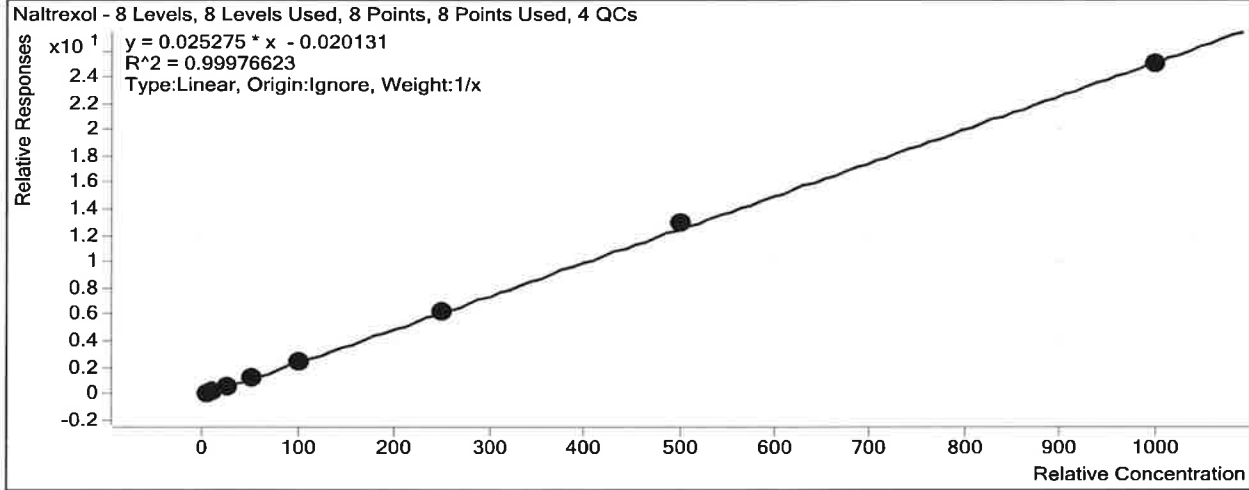
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.3	106.8
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.2	91.8
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.2	91.7
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.6	90.4
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.7	93.5
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	93.9	93.9
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	97.1	97.1
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	244.7	97.9
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	258.4	103.4
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	551.1	110.2
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1155.7	115.6
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1245.8	124.6

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist
2251\QuantResults\MDQ Panel 1b TS worklist 2251.batch.bin
Last Calib Update 4/4/2018 2:13 PM **Analyst Name** ISP TOX

Target Compound Naltrexol
Internal Standard Naltrexol-D3



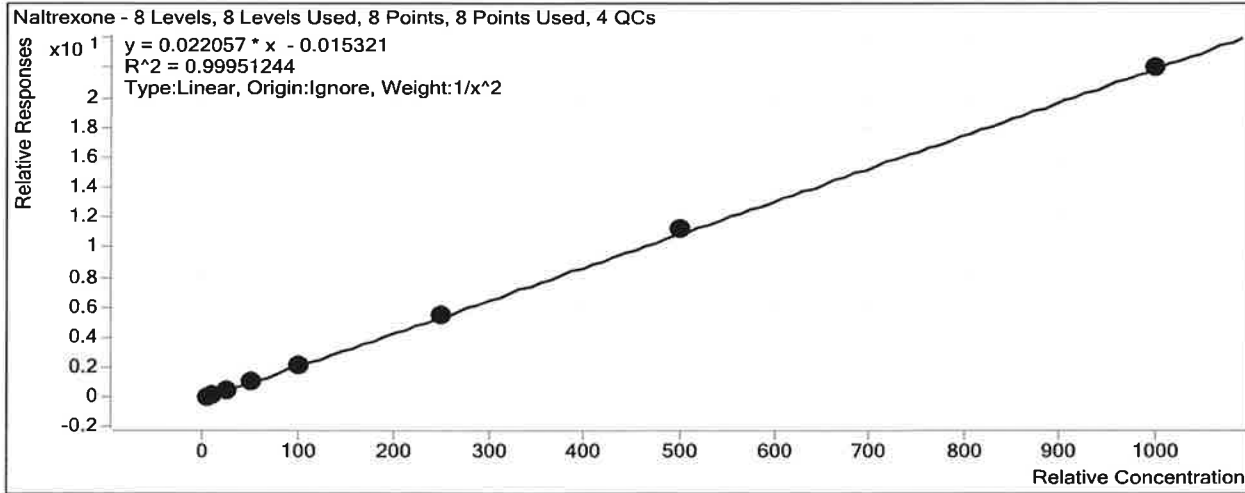
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	101.1
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	101.2
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.6	95.9
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.5	97.8
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.2	98.5
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.1	100.1
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	94.4	94.4
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	250.2	100.1
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	238.6	95.5
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	511.6	102.3
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	989.2	98.9
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	972.7	97.3

ISP Forensics Calibration Curve Report

B

Batch Data Path C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist
2251\QuantResults\MDQ Panel 1b TS worklist 2251.batch.bin
Last Calib Update 4/4/2018 2:13 PM **Analyst Name** ISP TOX

Target Compound Naltrexone
Internal Standard Naltrexone-D3



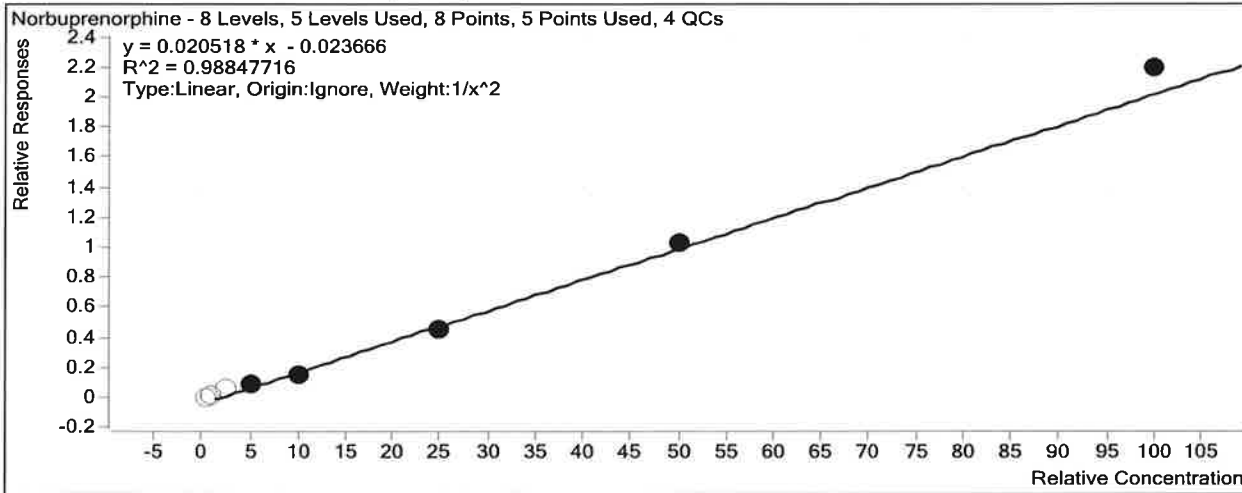
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.9
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	99.7
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.5	95.2
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.0	95.9
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.8	99.6
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.7	100.7
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	98.1	98.1
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	252.3	100.9
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	246.6	98.7
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	512.3	102.5
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	997.8	99.8
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1008.8	100.9

ISP Forensics Calibration Curve Report

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Batch Data Path C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist
2251\QuantResults\MDQ Panel 1b TS worklist 2251.batch.bin
Last Calib Update 4/4/2018 2:13 PM **Analyst Name** ISP TOX

Target Compound Norbuprenorphine
Internal Standard Norbuprenorphine-D3



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input type="checkbox"/>	0.5	1.4	288.5
b cal 2-10ng	2	<input type="checkbox"/>	1	2.0	199.8
b QC 10 (QC1)	2	<input type="checkbox"/>	1	2.0	202.2
b cal 3-25ng	3	<input type="checkbox"/>	2.5	4.1	164.0
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	5.3	106.2
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	8.9	88.6
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	10	7.6	76.3
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	23.5	94.1
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	25	20.0	80.0
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	51.7	103.3
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	107.9	107.9
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	100	103.5	103.5

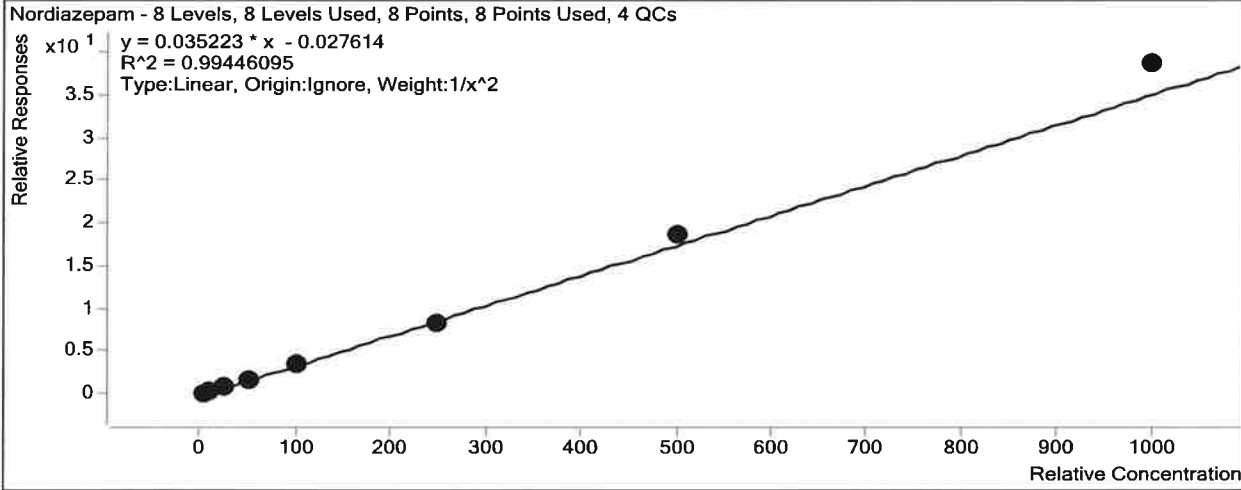
* Compound not evaluated. - TS

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist
2251\QuantResults\MDQ Panel 1b TS worklist 2251.batch.bin
Last Calib Update 4/4/2018 2:13 PM **Analyst Name** ISP TOX

Target Compound Nordiazepam
Internal Standard Nordiazepam-D5



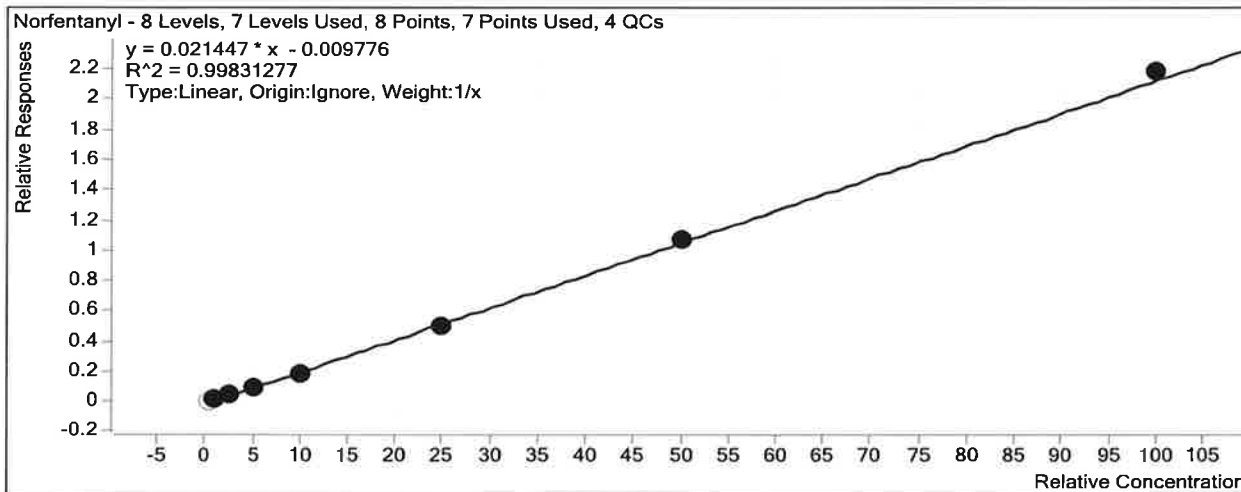
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	103.2
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	97.8
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.3	92.9
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.5	90.0
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.8	99.7
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.1	99.1
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	94.0	94.0
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	234.5	93.8
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	213.7	85.5
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	534.7	106.9
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1095.2	109.5
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	897.2	89.7

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist
2251\QuantResults\MDQ Panel 1b TS worklist 2251.batch.bin
Last Calib Update 4/4/2018 2:13 PM **Analyst Name** ISP TOX

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



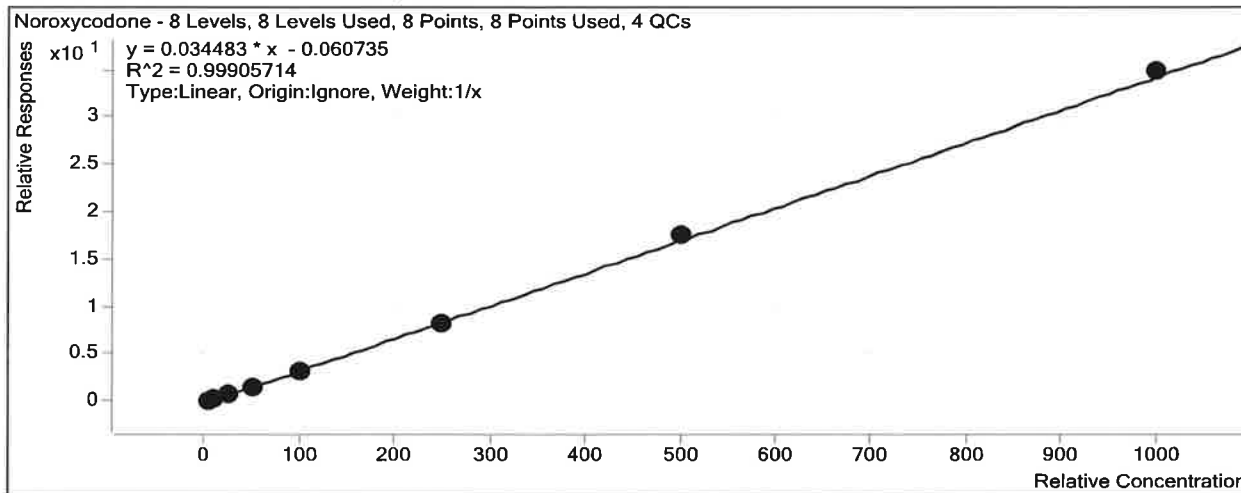
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input type="checkbox"/>	0.5	0.8	166.1
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.2	120.6
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	1	1.2	118.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.5	98.2
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.7	93.3
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.1	90.6
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	10	9.1	90.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	23.6	94.5
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	25	23.5	94.0
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	50.3	100.7
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	102.2	102.2
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	100	106.6	106.6

ISP Forensics Calibration Curve Report

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Batch Data Path C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist
2251\QuantResults\MDQ Panel 1b TS worklist 2251.batch.bin
Last Calib Update 4/4/2018 2:13 PM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	6.0	119.7
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	100.0
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.8	98.1
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.2	92.8
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.6	93.2
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	96.4	96.4
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	90.7	90.7
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	237.0	94.8
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	231.9	92.8
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	509.4	101.9
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1011.4	101.1
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1011.7	101.2

ISP Forensics Calibration Curve Report

TS

Batch Data Path

C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist
2251\QuantResults\MDQ Panel 1b TS worklist 2251.batch.bin

Last Calib Update

4/4/2018 2:13 PM

Analyst Name

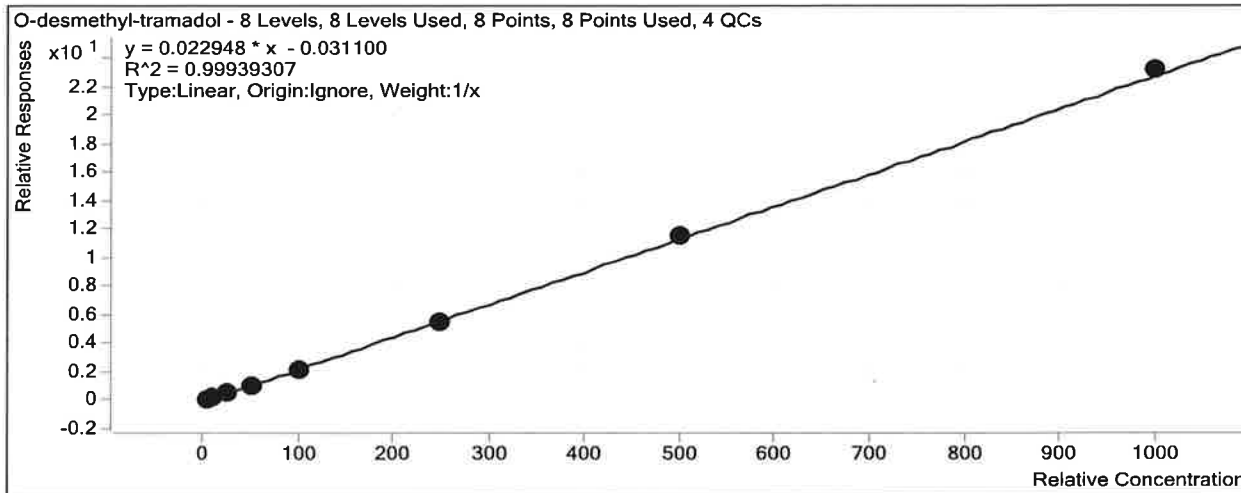
ISP TOX

Target Compound

O-desmethyl-tramadol

Internal Standard

O-desmethyl-tramadol-D6



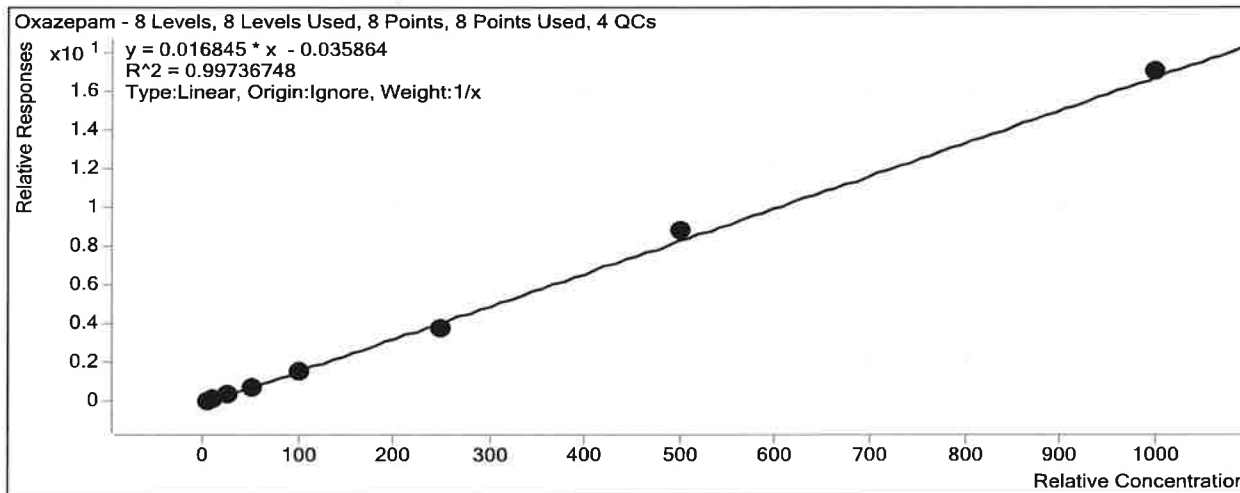
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.6	112.1
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.3	103.2
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.1	101.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.2	96.9
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.4	94.8
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	94.4	94.4
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	92.0	92.0
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	241.0	96.4
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	234.7	93.9
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	504.6	100.9
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1012.5	101.2
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	982.3	98.2

TS

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist
2251\QuantResults\MDQ Panel 1b TS worklist 2251.batch.bin
Last Calib Update 4/4/2018 2:13 PM **Analyst Name** ISP TOX

Target Compound Oxazepam
Internal Standard Oxazepam-D5



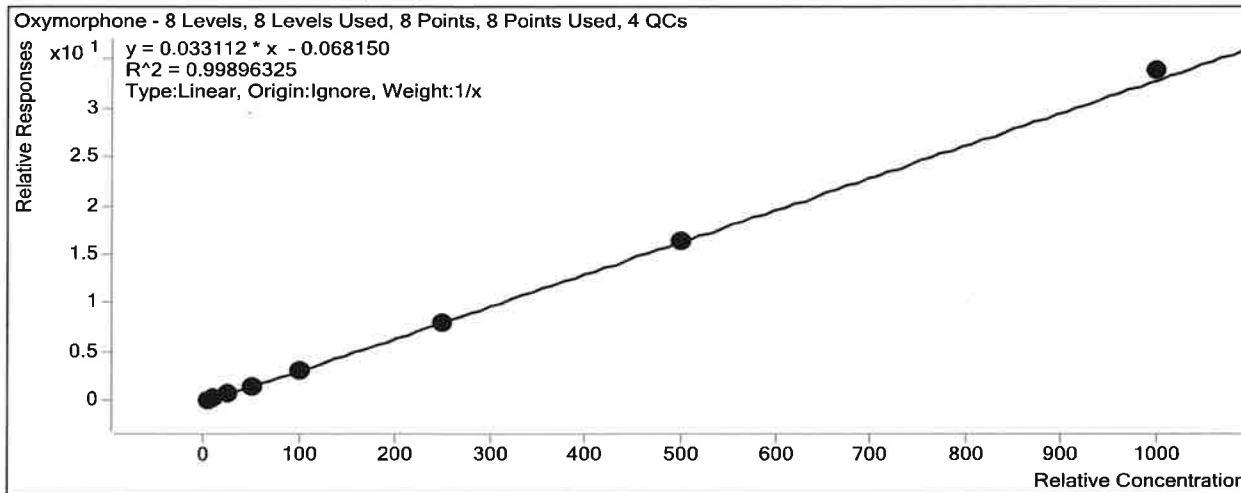
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	6.1	121.5
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	100.9
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.3	103.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.3	97.1
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.1	92.2
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	91.9	91.9
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	93.6	93.6
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	226.4	90.6
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	228.3	91.3
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	523.3	104.7
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1011.9	101.2
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1031.8	103.2

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist
2251\QuantResults\MDQ Panel 1b TS worklist 2251.batch.bin
Last Calib Update 4/4/2018 2:13 PM **Analyst Name** ISP TOX

Target Compound Oxymorphone
Internal Standard Oxymorphone-D3



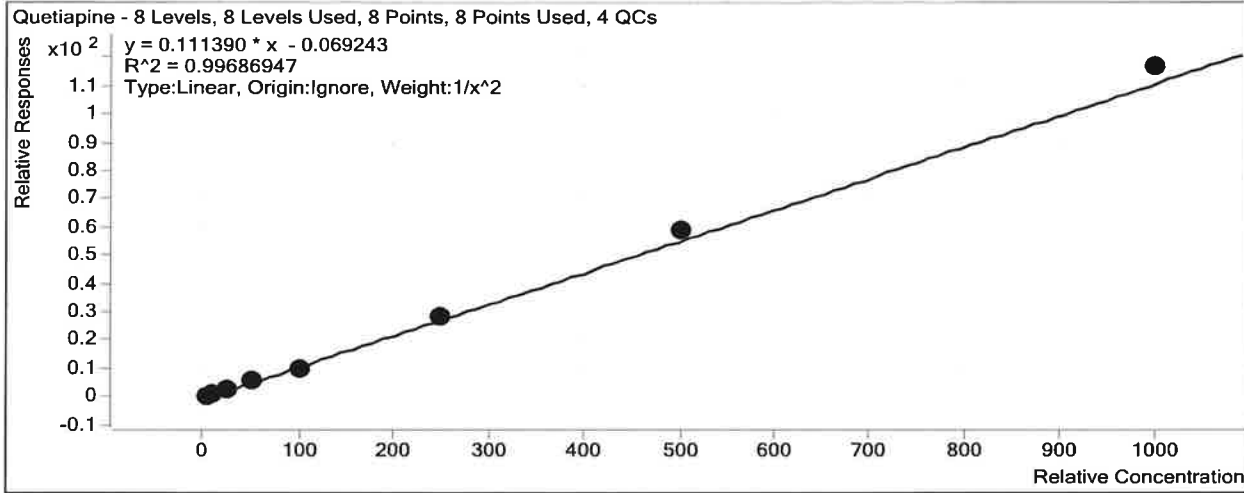
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.9	117.8
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.4	104.0
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.9	99.2
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.7	94.6
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	45.8	91.6
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	93.6	93.6
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	92.3	92.3
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	243.0	97.2
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	233.9	93.6
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	493.9	98.8
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1023.7	102.4
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	954.7	95.5

ISP Forensics Calibration Curve Report

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Batch Data Path C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist
2251\QuantResults\MDQ Panel 1b TS worklist 2251.batch.bin
Last Calib Update 4/4/2018 2:13 PM **Analyst Name** ISP TOX

Target Compound Quetiapine
Internal Standard Quetiapine-D8



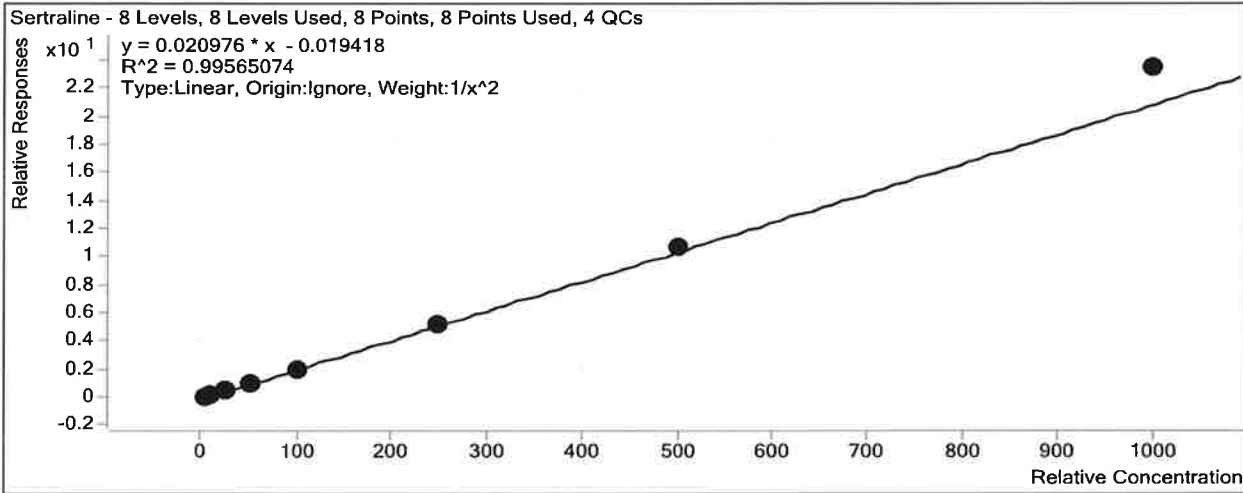
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.7
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	100.5
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.5	95.4
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.3	97.1
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.0	99.9
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	90.0	90.0
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	100.2	100.2
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	253.7	101.5
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	251.1	100.4
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	527.4	105.5
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1048.2	104.8
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	945.5	94.6

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist
2251\QuantResults\MDQ Panel 1b TS worklist 2251.batch.bin
Last Calib Update 4/4/2018 2:13 PM **Analyst Name** ISP TOX

Target Compound Sertraline
Internal Standard Sertraline-D3



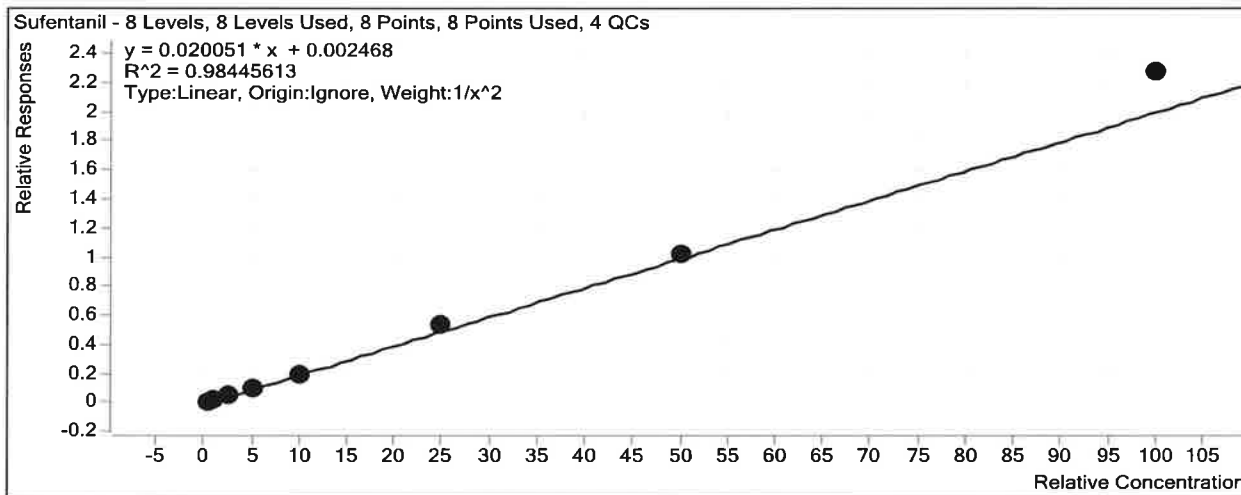
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.2
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	98.8
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.5	95.1
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.6	94.2
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.3	98.5
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	93.6	93.6
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	105.0	105.0
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	246.5	98.6
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	260.4	104.2
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	511.0	102.2
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1118.7	111.9
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1122.7	112.3

TS

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist
2251\QuantResults\MDQ Panel 1b TS worklist 2251.batch.bin
Last Calib Update 4/4/2018 2:13 PM **Analyst Name** ISP TOX

Target Compound *Sufentanil*
Internal Standard *Sufentanil-D5*



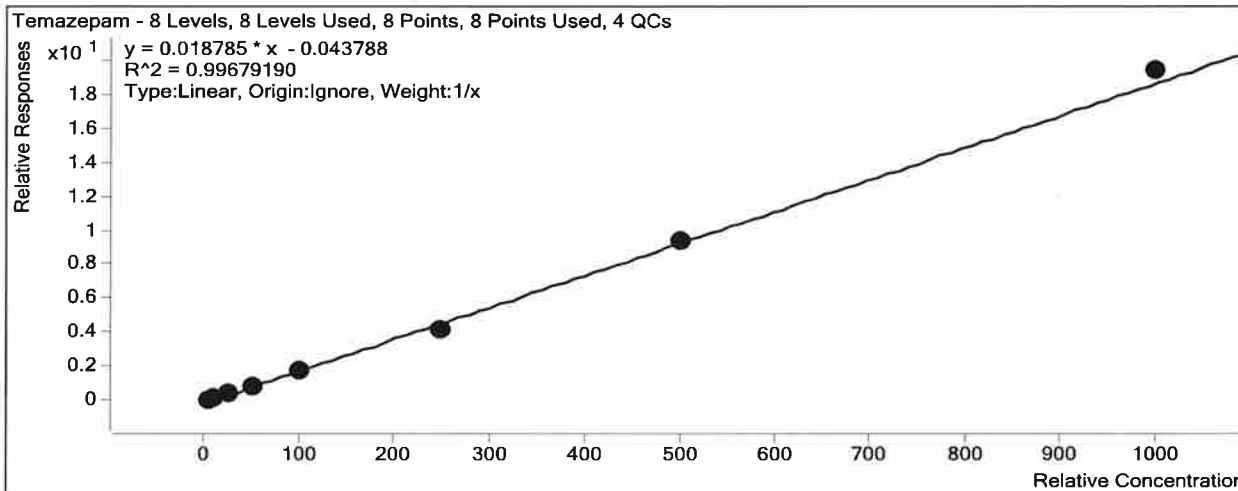
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	0.5	0.6	111.2
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	0.8	81.4
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	1	1.0	98.7
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.3	93.8
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.6	91.4
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.9	98.7
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	10	9.5	94.9
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	27.1	108.6
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	25	25.8	103.3
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	51.0	101.9
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	113.0	113.0
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	100	114.7	114.7

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ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist
2251\QuantResults\MDQ Panel 1b TS worklist 2251.batch.bin
Last Calib Update 4/4/2018 2:13 PM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	6.3	126.6
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.2	101.9
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.9	98.9
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.3	97.2
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	42.9	85.9
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	95.0	95.0
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	91.3	91.3
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	223.3	89.3
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	212.9	85.2
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	503.3	100.7
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1034.6	103.5
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1044.1	104.4

TS

ISP FORENSICS - Pocatello Instrument # 59740

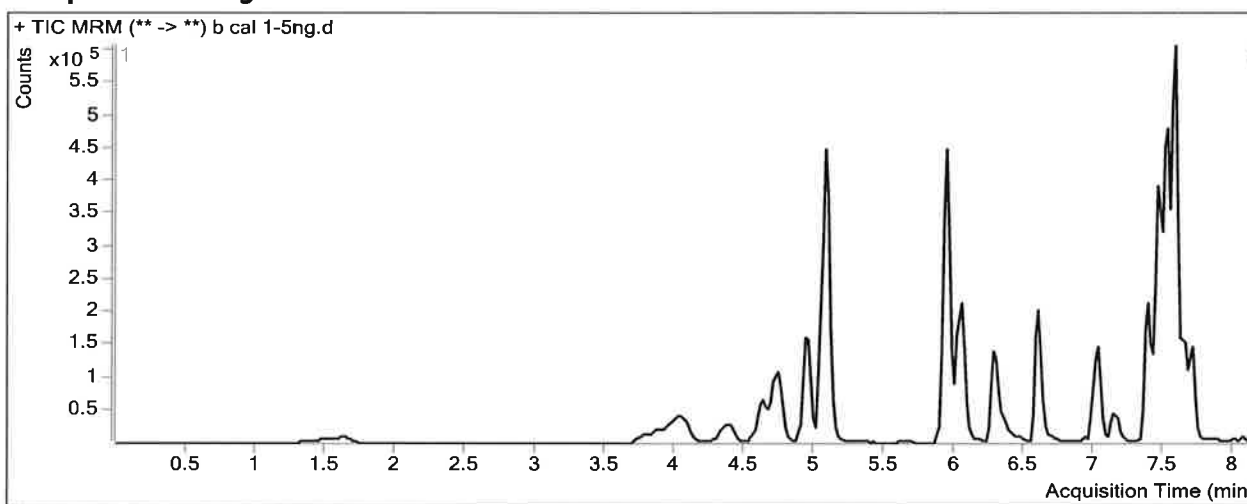
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist 2251\QuantResults\MDQ Panel 1b TS v
Analysis Time 4/4/2018 2:13 PM **Analyst Name** ISPUser
Report Time 4/4/2018 2:17 PM **Reporter Name** ISPUser
Last Calib Update 4/4/2018 2:13 PM **Batch State** Processed

Analysis Info

Acq Time 2018-04-02 13:01 **Data File** b cal 1-5ng.d
Sample Type Calibration **Sample Name** b cal 1-5ng
Dilution 1 **Acq Method** MD Quant Panel 1b 12-12-17.m
Position P1-H12 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist-2301 2251-TS

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.648	17303	136379	0.1269	5.8898
Dihydrocodeine	Dihydrocodeine-D6	3.935	13480	158766	0.0849	5.4637
Naloxone	Naloxone-D5	4.112	26588	352875	0.0753	5.3421
Noroxycodone	Noroxycodone-D3	4.417	25408	174364	0.1457	5.9872
Naltrexone	Naltrexone-D3	4.631	28711	299076	0.0960	5.0470
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.784	6752	516889	0.0131	0.5282
Naltrexol	Naltrexol-D3	4.950	65894	612513	0.1076	5.0529
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.096	167323	1716156	0.0975	5.6039
Ketamine	Ketamine-D4	5.941	79088	747280	0.1058	5.0166
Norfentanyl	Norfentanyl-D5	5.984	7754	964590	0.0080	0.8306
alpha-PVP	alpha-PVP-d8	6.288	53704	601873	0.0892	5.1355
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.621	4979	767228	0.0065	0.9165
Norbuprenorphine	Norbuprenorphine-D3	6.955	119	20020	0.0059	1.4426
Fentanyl	Fentanyl-D5	7.019	3640	547371	0.0067	0.9192
EDDP	EDDP-D3	7.150	10651	140106	0.0760	5.8556
Sufentanil	Sufentanil-D5	7.379	4646	341174	0.0136	0.5561
Quetiapine	Quetiapine-D8	7.380	117568	239037	0.4918	5.0371
Cyclobenzaprine	Cyclobenzaprine-D3	7.453	28916	248726	0.1163	5.6297
Methadone	Methadone-D9	7.463	112197	956809	0.1173	5.1372

TS

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report *b cal 1-5ng*

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.523	87792	873027	0.1006	5.0748
Oxazepam	Oxazepam-D5	7.529	25360	381703	0.0664	6.0731
Sertraline	Sertraline-D3	7.585	33027	376449	0.0877	5.1082
Temazepam	Temazepam-D5	7.587	83917	1117059	0.0751	6.3300
Buprenorphine	Buprenorphine-D4	7.597	3810	210908	0.0181	2.9358
Nordiazepam	Nordiazepam-D5	7.655	49616	321873	0.1541	5.1603
Diazepam	Diazepam-D5	7.712	31341	292866	0.1070	5.6568

TS

ISP FORENSICS - Pocatello Instrument # 59740

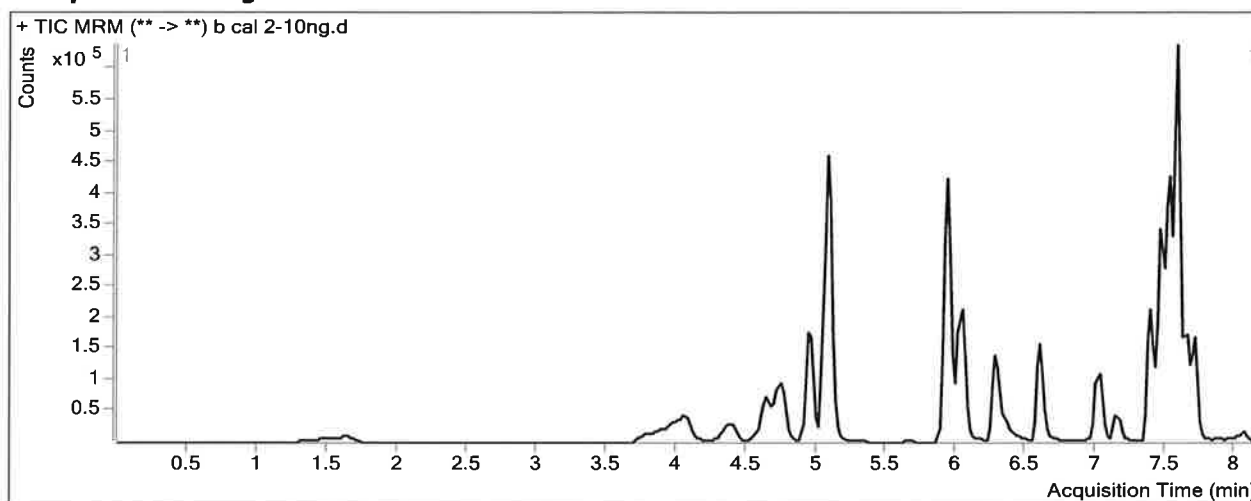
Multi-Drug Confirmatory Analysis Report

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Analysis Time 4/4/2018 2:13 PM **Analyst Name** ISPUser
Report Time 4/4/2018 2:17 PM **Reporter Name** ISPUser
Last Calib Update 4/4/2018 2:13 PM **Batch State** Processed

Analysis Info

Acq Time 2018-04-02 13:32 **Data File** b cal 2-10ng.d
Sample Type Calibration **Sample Name** b cal 2-10ng
Dilution 1 **Acq Method** MD Quant Panel 1b 12-12-17.m
Position P1-G12 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist ~~2301~~ 2251 - TS

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.648	35165	127312	0.2762	10.3998
Dihydrocodeine	Dihydrocodeine-D6	3.935	26327	148577	0.1772	10.0457
Naloxone	Naloxone-D5	4.112	48599	333769	0.1456	9.1820
Noroxycodone	Noroxycodone-D3	4.417	45341	159534	0.2842	10.0034
Naltrexone	Naltrexone-D3	4.651	56677	277040	0.2046	9.9698
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.784	12078	461737	0.0262	0.9538
Naltrexol	Naltrexol-D3	4.950	136771	580468	0.2356	10.1190
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.076	329304	1600226	0.2058	10.3226
Ketamine	Ketamine-D4	5.941	153128	679606	0.2253	10.1554
Norfentanyl	Norfentanyl-D5	5.964	14148	879418	0.0161	1.2060
alpha-PVP	alpha-PVP-d8	6.308	99017	549699	0.1801	9.5714
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.601	6884	569375	0.0121	1.2745
Norbuprenorphine	Norbuprenorphine-D3	6.975	263	15151	0.0173	1.9982
Fentanyl	Fentanyl-D5	7.039	5522	397295	0.0139	1.3100
EDDP	EDDP-D3	7.150	20247	123515	0.1639	9.9240
Sufentanil	Sufentanil-D5	7.379	4590	244298	0.0188	0.8139
Quetiapine	Quetiapine-D8	7.380	211635	201572	1.0499	10.0472
Cyclobenzaprine	Cyclobenzaprine-D3	7.453	44461	181446	0.2450	9.9602
Methadone	Methadone-D9	7.463	170415	738149	0.2309	9.6855

TS

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

b cal 2-10ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.523	130525	634961	0.2056	9.7920
Oxazepam	Oxazepam-D5	7.529	51494	383805	0.1342	10.0937
Sertraline	Sertraline-D3	7.585	50420	268388	0.1879	9.8815
Temazepam	Temazepam-D5	7.587	167781	1136827	0.1476	10.1874
Buprenorphine	Buprenorphine-D4	7.597	5381	166853	0.0322	3.2009
Nordiazepam	Nordiazepam-D5	7.655	93832	296250	0.3167	9.7762
Diazepam	Diazepam-D5	7.712	65859	283695	0.2321	10.3994

TS

ISP FORENSICS - Pocatello Instrument # 59740

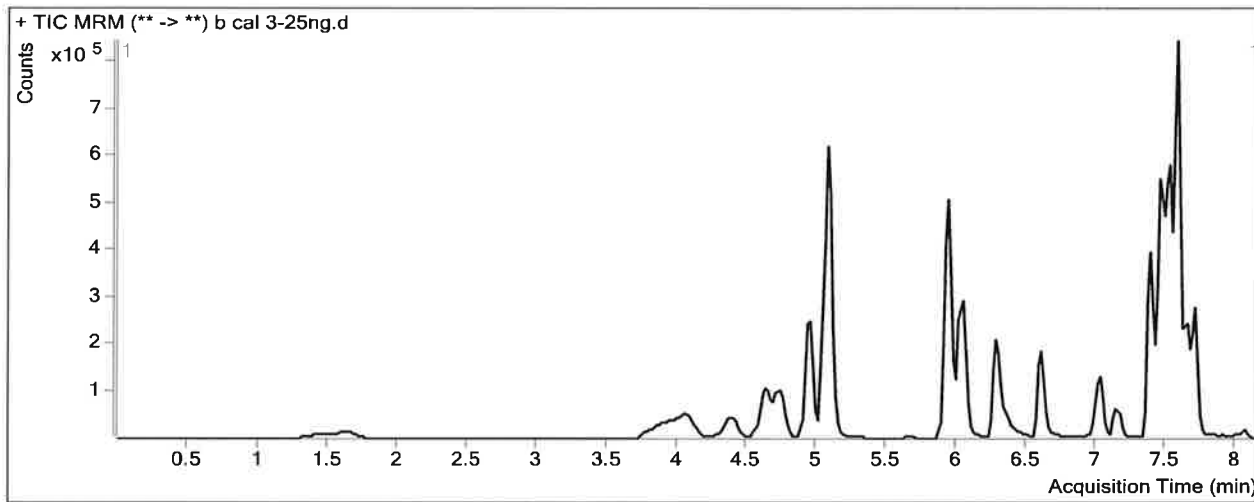
Multi-Drug Confirmatory Analysis Report

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Analysis Time 4/4/2018 2:13 PM **Analyst Name** ISPUser
Report Time 4/4/2018 2:17 PM **Reporter Name** ISPUser
Last Calib Update 4/4/2018 2:13 PM **Batch State** Processed

Analysis Info

Acq Time 2018-04-02 14:04 **Data File** b cal 3-25ng.d
Sample Type Calibration **Sample Name** b cal 3-25ng
Dilution 1 **Acq Method** MD Quant Panel 1b 12-12-17.m
Position P1-F12 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist ~~2201~~ 2251 - TS

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.648	93325	130488	0.7152	23.6572
Dihydrocodeine	Dihydrocodeine-D6	3.935	68762	155725	0.4416	23.1711
Naloxone	Naloxone-D5	4.112	130314	333343	0.3909	22.5893
Noroxycodone	Noroxycodone-D3	4.417	121091	163795	0.7393	23.2008
Naltrexone	Naltrexone-D3	4.651	146189	284804	0.5133	23.9662
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.784	30589	472513	0.0647	2.2078
Naltrexol	Naltrexol-D3	4.950	362057	605449	0.5980	24.4566
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.076	881682	1679695	0.5249	24.2286
Ketamine	Ketamine-D4	5.941	404947	757530	0.5346	23.4555
Norfentanyl	Norfentanyl-D5	5.964	38597	900003	0.0429	2.4554
alpha-PVP	alpha-PVP-d8	6.288	265306	558185	0.4753	23.9751
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.601	22155	683962	0.0324	2.5718
Norbuprenorphine	Norbuprenorphine-D3	6.935	1099	18181	0.0604	4.0994
Fentanyl	Fentanyl-D5	7.019	18023	476218	0.0378	2.6012
EDDP	EDDP-D3	7.150	60770	134224	0.4528	23.2914
Sufentanil	Sufentanil-D5	7.399	14102	284990	0.0495	2.3448
Quetiapine	Quetiapine-D8	7.380	580262	220220	2.6349	24.2765
Cyclobenzaprine	Cyclobenzaprine-D3	7.453	140782	200663	0.7016	25.3119
Methadone	Methadone-D9	7.463	485446	800949	0.6061	24.7074

TS

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

b cal 3-25ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.523	386704	719464	0.5375	24.7034
Oxazepam	Oxazepam-D5	7.549	122690	328835	0.3731	24.2779
Sertraline	Sertraline-D3	7.585	151956	320185	0.4746	23.5505
Temazepam	Temazepam-D5	7.587	461827	1119060	0.4127	24.2996
Buprenorphine	Buprenorphine-D4	7.597	16745	188694	0.0887	4.2568
Nordiazepam	Nordiazepam-D5	7.655	232599	304147	0.7648	22.4959
Diazepam	Diazepam-D5	7.712	177906	288407	0.6169	24.9802

TS

ISP FORENSICS - Pocatello Instrument # 59740

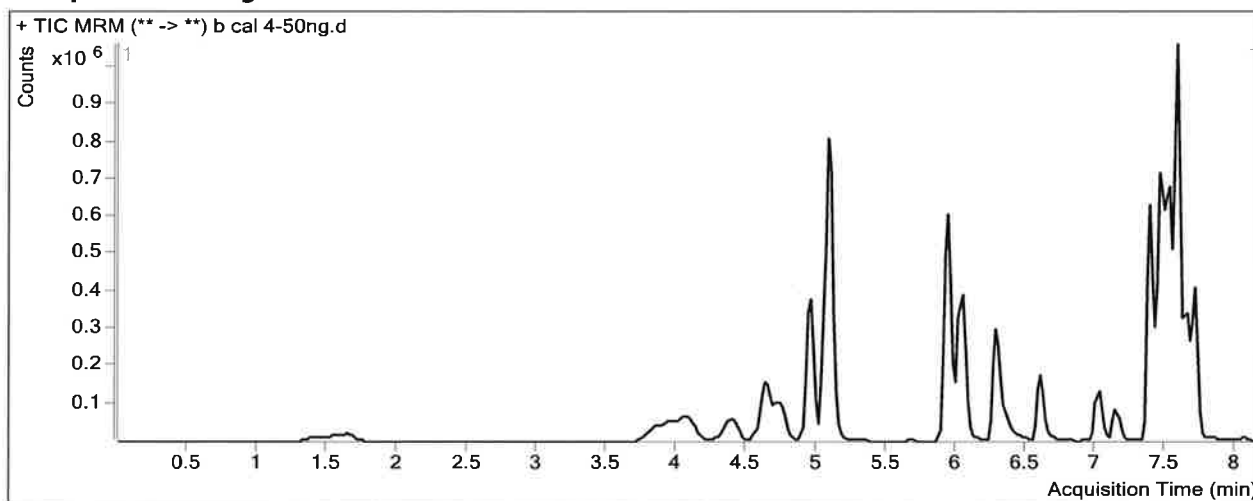
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist 2251\QuantResults\MDQ Panel 1b TS v
Analysis Time 4/4/2018 2:13 PM **Analyst Name** ISPUser
Report Time 4/4/2018 2:17 PM **Reporter Name** ISPUser
Last Calib Update 4/4/2018 2:13 PM **Batch State** Processed

Analysis Info

Acq Time 2018-04-02 14:35 **Data File** b cal 4-50ng.d
Sample Type Calibration **Sample Name** b cal 4-50ng
Dilution 1 **Acq Method** MD Quant Panel 1b 12-12-17.m
Position P1-E12 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist ~~2301~~ 2251 - TS

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.648	182798	126244	1.4480	45.7874
Dihydrocodeine	Dihydrocodeine-D6	3.935	141238	153564	0.9197	46.9117
Naloxone	Naloxone-D5	4.092	263571	316576	0.8326	46.7252
Noroxycodone	Noroxycodone-D3	4.417	236553	152946	1.5466	46.6144
Naltrexone	Naltrexone-D3	4.651	295544	272853	1.0832	49.8028
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.784	60674	442674	0.1371	4.5587
Naltrexol	Naltrexol-D3	4.950	720426	588564	1.2240	49.2263
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.076	1727346	1634198	1.0570	47.4152
Ketamine	Ketamine-D4	5.941	814176	701059	1.1614	50.4126
Norfentanyl	Norfentanyl-D5	5.964	75780	839349	0.0903	4.6654
alpha-PVP	alpha-PVP-d8	6.288	550800	530707	1.0379	51.4267
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.601	42545	620436	0.0686	4.8837
Norbuprenorphine	Norbuprenorphine-D3	6.935	1337	15677	0.0853	5.3086
Fentanyl	Fentanyl-D5	7.019	32481	423892	0.0766	4.6923
EDDP	EDDP-D3	7.150	116293	119506	0.9731	47.3749
Sufentanil	Sufentanil-D5	7.399	23695	251824	0.0941	4.5697
Quetiapine	Quetiapine-D8	7.380	1127024	205013	5.4973	49.9736
Cyclobenzaprine	Cyclobenzaprine-D3	7.453	255020	191539	1.3314	46.4912
Methadone	Methadone-D9	7.463	881370	780736	1.1289	45.6379

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ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

b cal 4-50ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.523	654844	602832	1.0863	49.3573
Oxazepam	Oxazepam-D5	7.549	199909	269928	0.7406	46.0936
Sertraline	Sertraline-D3	7.585	276270	272454	1.0140	49.2661
Temazepam	Temazepam-D5	7.587	793361	1040229	0.7627	42.9303
Buprenorphine	Buprenorphine-D4	7.597	30269	169846	0.1782	5.9292
Nordiazepam	Nordiazepam-D5	7.655	480875	278345	1.7276	49.8323
Diazepam	Diazepam-D5	7.712	332817	265465	1.2537	49.1173

TS

ISP FORENSICS - Pocatello Instrument # 59740

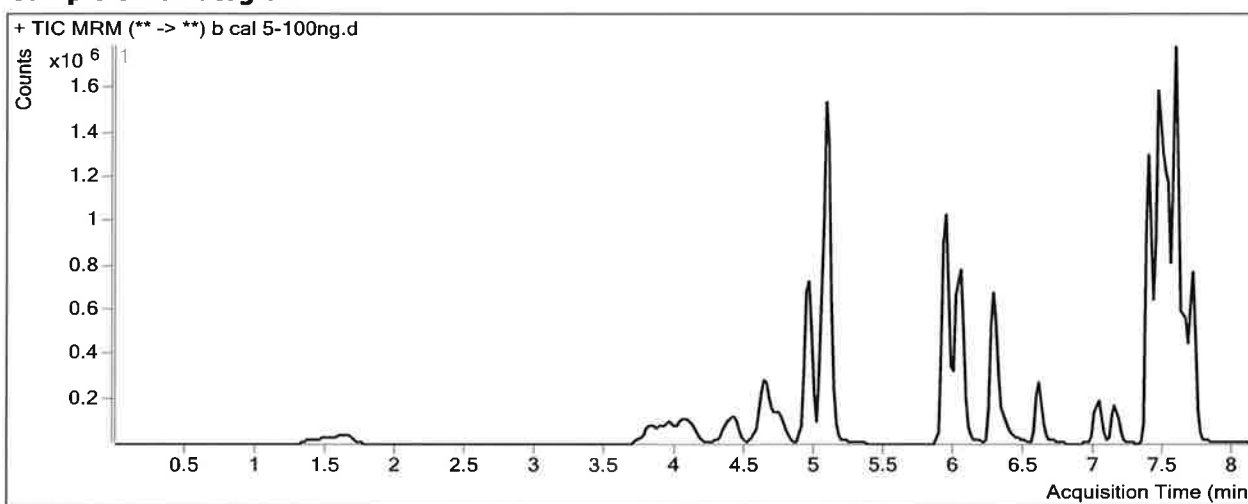
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist 2251\QuantResults\MDQ Panel 1b TS v
Analysis Time 4/4/2018 2:13 PM **Analyst Name** ISPUser
Report Time 4/4/2018 2:17 PM **Reporter Name** ISPUser
Last Calib Update 4/4/2018 2:13 PM **Batch State** Processed

Analysis Info

Acq Time 2018-04-02 15:07 **Data File** b cal 5-100ng.d
Sample Type Calibration **Sample Name** b cal 5-100ng
Dilution 1 **Acq Method** MD Quant Panel 1b 12-12-17.m
Position P1-D12 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist.2301 2251 - TS

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.628	456014	150361	3.0328	93.6491
Dihydrocodeine	Dihydrocodeine-D6	3.837	355952	177781	2.0022	100.6540
Naloxone	Naloxone-D5	4.112	613981	362201	1.6951	93.8659
Noroxycodone	Noroxycodone-D3	4.417	594604	182264	3.2623	96.3691
Naltrexone	Naltrexone-D3	4.631	674933	305944	2.2061	100.7125
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.784	154238	539028	0.2861	9.4045
Naltrexol	Naltrexol-D3	4.950	1778138	708157	2.5109	100.1431
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.076	4333859	2030058	2.1348	94.3836
Ketamine	Ketamine-D4	5.921	2073632	893425	2.3210	100.2867
Norfentanyl	Norfentanyl-D5	5.964	194114	1051919	0.1845	9.0599
alpha-PVP	alpha-PVP-d8	6.288	1455543	729047	1.9965	98.2062
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.601	117229	860384	0.1363	9.2086
Norbuprenorphine	Norbuprenorphine-D3	6.955	3126	19772	0.1581	8.8577
Fentanyl	Fentanyl-D5	7.019	91547	539503	0.1697	9.7102
EDDP	EDDP-D3	7.150	290829	151366	1.9214	91.2613
Sufentanil	Sufentanil-D5	7.379	66611	332325	0.2004	9.8734
Quetiapine	Quetiapine-D8	7.380	2592664	260553	9.9506	89.9527
Cyclobenzaprine	Cyclobenzaprine-D3	7.433	685570	237871	2.8821	98.6344
Methadone	Methadone-D9	7.463	2517070	1035308	2.4312	97.7765

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

TS
b cal 5-100ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.523	1641300	762290	2.1531	97.2840
Oxazepam	Oxazepam-D5	7.549	317077	209675	1.5122	91.9002
Sertraline	Sertraline-D3	7.585	649813	334223	1.9443	93.6131
Temazepam	Temazepam-D5	7.587	1844006	1058956	1.7413	95.0271
Buprenorphine	Buprenorphine-D4	7.597	76286	202206	0.3773	9.6498
Nordiazepam	Nordiazepam-D5	7.655	954402	275549	3.4636	99.1190
Diazepam	Diazepam-D5	7.712	774431	309279	2.5040	96.5033

TS

ISP FORENSICS - Pocatello Instrument # 59740

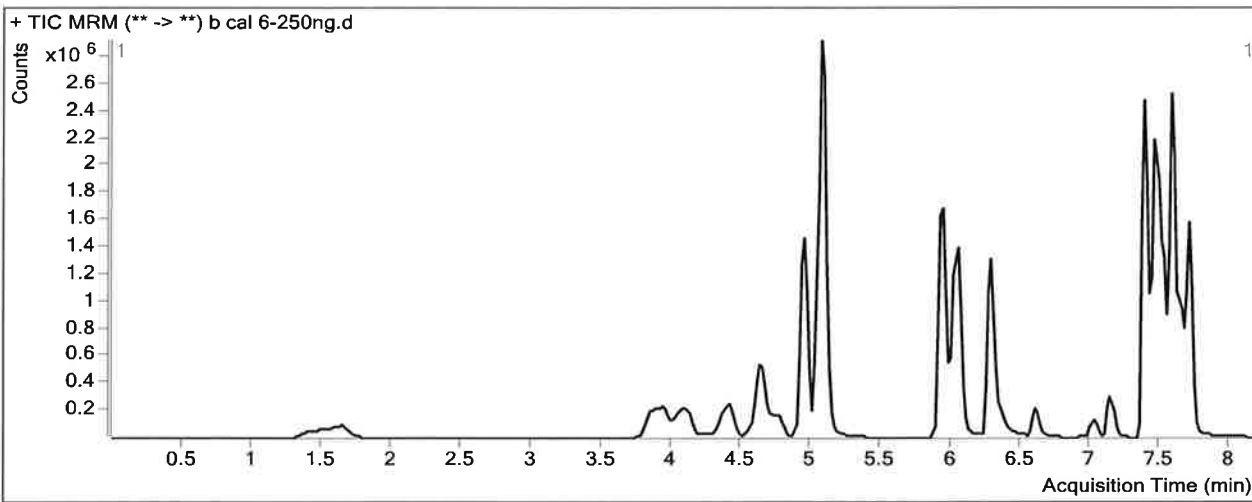
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist 2251\QuantResults\MDQ Panel 1b TS v
Analysis Time 4/4/2018 2:13 PM **Analyst Name** ISPUser
Report Time 4/4/2018 2:18 PM **Reporter Name** ISPUser
Last Calib Update 4/4/2018 2:13 PM **Batch State** Processed

Analysis Info

Acq Time 2018-04-02 15:38 **Data File** b cal 6-250ng.d
Sample Type Calibration **Sample Name** b cal 6-250ng
Dilution 1 **Acq Method** MD Quant Panel 1b 12-12-17.m
Position P1-C12 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist: ~~2301~~ 2251 - TS

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.648	1099463	137809	7.9782	243.0008
Dihydrocodeine	Dihydrocodeine-D6	3.935	855514	168671	5.0721	253.0695
Naloxone	Naloxone-D5	4.092	1315519	295335	4.4543	244.6590
Noroxycodone	Noroxycodone-D3	4.417	1247733	153829	8.1112	236.9876
Naltrexone	Naltrexone-D3	4.631	1390220	250474	5.5504	252.3352
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.784	358449	459323	0.7804	25.4698
Naltrexol	Naltrexol-D3	4.950	3967426	629332	6.3042	250.2250
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.076	10081883	1833045	5.5001	241.0274
Ketamine	Ketamine-D4	5.921	4640717	811773	5.7168	246.3331
Norfentanyl	Norfentanyl-D5	5.964	417687	841008	0.4967	23.6127
alpha-PVP	alpha-PVP-d8	6.288	3110812	603752	5.1525	252.2105
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.621	187397	489636	0.3827	24.9587
Norbuprenorphine	Norbuprenorphine-D3	6.935	6193	13495	0.4589	23.5185
Fentanyl	Fentanyl-D5	7.019	124826	294163	0.4243	23.4415
EDDP	EDDP-D3	7.150	628895	115780	5.4318	253.7308
Sufentanil	Sufentanil-D5	7.399	93730	171468	0.5466	27.1391
Quetiapine	Quetiapine-D8	7.380	5566848	197484	28.1888	253.6853
Cyclobenzaprine	Cyclobenzaprine-D3	7.453	910053	132225	6.8826	233.1553
Methadone	Methadone-D9	7.463	3804007	624607	6.0902	244.2648

TS

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

b cal 6-250ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.523	1994092	357759	5.5738	250.9566
Oxazepam	Oxazepam-D5	7.529	504946	133668	3.7776	226.3809
Sertraline	Sertraline-D3	7.585	833780	161857	5.1513	246.5027
Temazepam	Temazepam-D5	7.587	3468974	835707	4.1509	223.2965
Buprenorphine	Buprenorphine-D4	7.597	122458	124259	0.9855	21.0183
Nordiazepam	Nordiazepam-D5	7.655	1746486	212149	8.2324	234.5064
Diazepam	Diazepam-D5	7.712	1550370	262462	5.9070	225.4796

TS

ISP FORENSICS - Pocatello Instrument # 59740

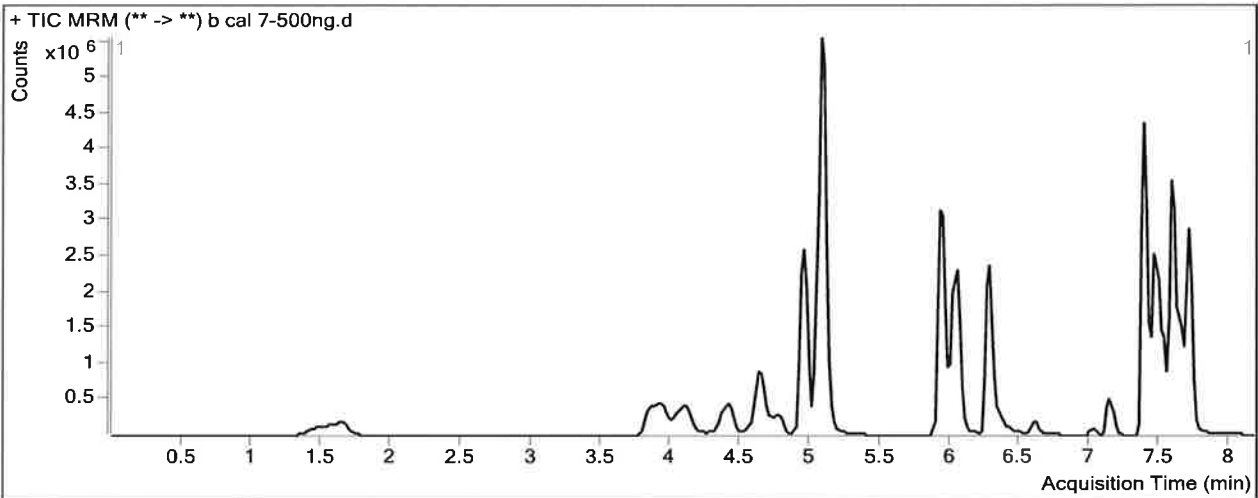
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist 2251\QuantResults\MDQ Panel 1b TS v
Analysis Time 4/4/2018 2:13 PM **Analyst Name** ISPUser
Report Time 4/4/2018 2:18 PM **Reporter Name** ISPUser
Last Calib Update 4/4/2018 2:13 PM **Batch State** Processed

Analysis Info

Acq Time 2018-04-02 16:10 **Data File** b cal 7-500ng.d
Sample Type Calibration **Sample Name** b cal 7-500ng
Dilution 1 **Acq Method** MD Quant Panel 1b 12-12-17.m
Position P1-B12 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist ~~2301~~ 2251 - TS

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.648	2233291	137128	16.2862	493.9046
Dihydrocodeine	Dihydrocodeine-D6	3.935	1757801	168854	10.4102	518.0994
Naloxone	Naloxone-D5	4.112	2589322	257335	10.0621	551.1294
Noroxycodone	Noroxycodone-D3	4.417	2352716	134399	17.5055	509.4238
Naltrexone	Naltrexone-D3	4.651	2460604	218048	11.2847	512.3149
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.784	761789	458912	1.6600	54.0610
Naltrexol	Naltrexol-D3	4.950	7709442	597128	12.9109	511.6221
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.076	21164601	1832813	11.5476	504.5559
Ketamine	Ketamine-D4	5.921	9807301	787754	12.4497	535.9048
Norfentanyl	Norfentanyl-D5	5.964	800130	748014	1.0697	50.3305
alpha-PVP	alpha-PVP-d8	6.288	5850950	548567	10.6659	521.2529
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.601	242592	301139	0.8056	51.9798
Norbuprenorphine	Norbuprenorphine-D3	6.935	7005	6760	1.0362	51.6551
Fentanyl	Fentanyl-D5	7.019	127167	133534	0.9523	51.9101
EDDP	EDDP-D3	7.150	1064979	94988	11.2118	521.2390
Sufentanil	Sufentanil-D5	7.399	82951	80997	1.0241	50.9531
Quetiapine	Quetiapine-D8	7.380	10131178	172655	58.6788	527.4072
Cyclobenzaprine	Cyclobenzaprine-D3	7.453	888810	60472	14.6980	495.9551
Methadone	Methadone-D9	7.463	5027202	388603	12.9366	518.3577

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

TS

b cal 7-500ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.523	1672365	147081	11.3704	511.3612
Oxazepam	Oxazepam-D5	7.529	775935	88380	8.7795	523.3113
Sertraline	Sertraline-D3	7.585	688889	64384	10.6997	511.0092
Temazepam	Temazepam-D5	7.587	6840466	726871	9.4108	503.2941
Buprenorphine	Buprenorphine-D4	7.597	138121	57569	2.3992	47.4428
Nordiazepam	Nordiazepam-D5	7.655	2777529	147687	18.8069	534.7240
Diazepam	Diazepam-D5	7.712	3081223	259095	11.8922	452.3219

TS

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

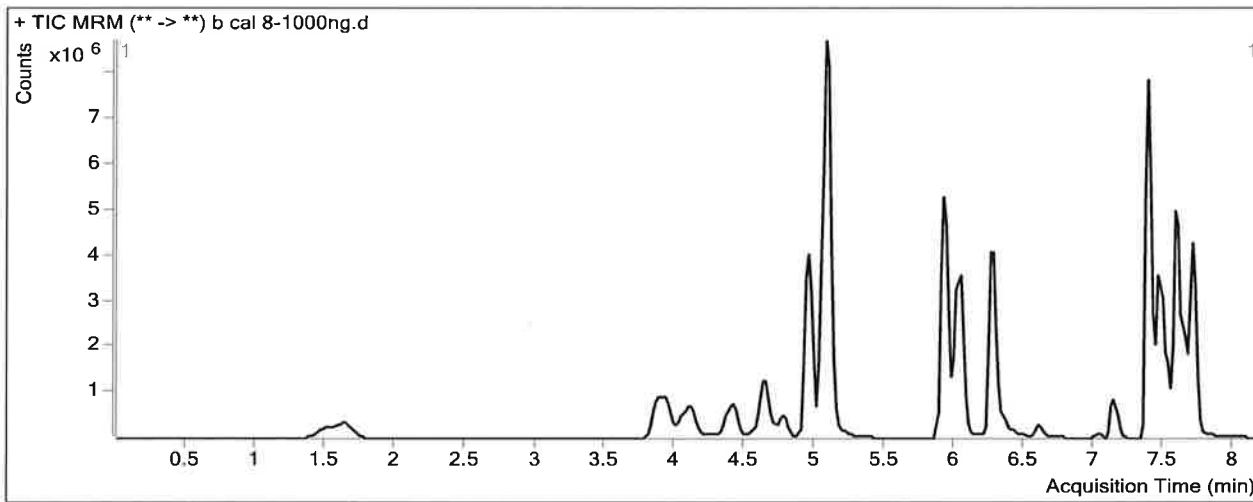
b cal 8-1000ng

Batch Data Path C:\MassHunter\Data\2018\MD Quant\040218 MDQ Panel 1 TS worklist 2251\QuantResults\MDQ Panel 1b TS v
Analysis Time 4/4/2018 2:13 PM **Analyst Name** ISPUser
Report Time 4/4/2018 2:18 PM **Reporter Name** ISPUser
Last Calib Update 4/4/2018 2:13 PM **Batch State** Processed

Analysis Info

Acq Time 2018-04-02 16:41 **Data File** b cal 8-1000ng.d
Sample Type Calibration **Sample Name** b cal 8-1000ng
Dilution 1 **Acq Method** MD Quant Panel 1b 12-12-17.m
Position P1-A12 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist 2251 2251 - TS

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.648	3694710	109216	33.8294	1023.7112
Dihydrocodeine	Dihydrocodeine-D6	3.915	3089732	156318	19.7657	982.5849
Naloxone	Naloxone-D5	4.092	4187636	198230	21.1252	1155.7418
Noroxycodone	Noroxycodone-D3	4.417	3793281	108954	34.8154	1011.4137
Naltrexone	Naltrexone-D3	4.651	3557170	161738	21.9933	997.8216
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.784	1452126	409193	3.5488	115.4550
Naltrexol	Naltrexol-D3	4.950	12441346	498047	24.9803	989.1550
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.076	36122272	1556779	23.2032	1012.4627
Ketamine	Ketamine-D4	5.921	16861656	744401	22.6513	974.6586
Norfentanyl	Norfentanyl-D5	5.964	1375937	630734	2.1815	102.1701
alpha-PVP	alpha-PVP-d8	6.288	10089523	495301	20.3705	994.8166
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.601	393939	244227	1.6130	103.5750
Norbuprenorphine	Norbuprenorphine-D3	6.935	9339	4265	2.1896	107.8666
Fentanyl	Fentanyl-D5	7.019	164612	83064	1.9817	107.4174
EDDP	EDDP-D3	7.150	1889042	88761	21.2824	987.3231
Sufentanil	Sufentanil-D5	7.379	118804	52371	2.2685	113.0140
Quetiapine	Quetiapine-D8	7.380	18184475	155829	116.6948	1048.2436
Cyclobenzaprine	Cyclobenzaprine-D3	7.433	1171489	38502	30.4271	1024.8622
Methadone	Methadone-D9	7.463	7132926	257039	27.7503	1111.4235

TS

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

b cal 8-1000ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.523	1702230	74199	22.9414	1031.1761
Oxazepam	Oxazepam-D5	7.529	1204804	70831	17.0095	1011.8693
Sertraline	Sertraline-D3	7.585	729915	31131	23.4468	1118.6959
Temazepam	Temazepam-D5	7.587	10695341	551524	19.3923	1034.6351
Buprenorphine	Buprenorphine-D4	7.597	170492	30830	5.5300	105.9600
Nordiazepam	Nordiazepam-D5	7.655	4115471	106764	38.5472	1095.1645
Diazepam	Diazepam-D5	7.712	5499777	194093	28.3358	1075.5415