

TS

reviewed 1/25/18

1/10/2018

Worklist: 2122

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>
M2017-4509	1	104701	AM 28 Blood Multi-Drug Quant
M2017-4521	1	104703	AM 28 Blood Multi-Drug Quant
M2017-4655	1	104705	AM 28 Blood Multi-Drug Quant
P2017-2458	1	104711	AM 28 Blood Multi-Drug Quant
P2017-2514	1	104715	AM 28 Blood Multi-Drug Quant

Bylee



TS

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

Extraction Date: 01/09/2018
Plate lot#: 0507680

Analyst: Tamara Salazar
Plate Expiration: ~~05/31/18~~ 06/05/2018 TS

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: 361331-3
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.

C:\MassHunter\Data\2018\MD Quant\MDQ Panel 1 and 2 TS 010918

Post-Analytic

- 1. Create batch and process data.
Worklist path: _____ Batch Name: MDQ Panel 2b TS 010918. 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 and secondary transitions $> 10.5^{TS}$
- 5. Did all QCs pass for each analyte? Y/N _____
- 6. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

MDQ Panel 1a TS 010918. batch. bin
MDQ Panel 1b TS 010918. batch. bin
MDQ Panel 2a TS 010918. batch. bin
MDQ Panel 2b TS 010918. batch. bin

COMMENTS:

Not evaluated: 6-MAM, Norbuprenorphin, Benzoylcegonine, MDA

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

Extraction Date: 01/09/2018

Analyst: Tamara Salazar

Plate lot#: 0507680

Plate Expiration: 05/31/18

COMMENTS (Continued): Curves limited:

Panel 1

Amphetamine - 5-250
Norhydrocodone - 25-1000
7-am. clonazepam - 3-500
Norfentanyl - 2.5-100
Buprenorphin - 2.5-50

Panel 2

Levamisole - 5-500
Metoprolol - 5-250
Ondansetron - 5-250
Mirtazapine - 3-250
Maprotiline - 5-500
Chlordiazepoxide - 3-500
Phenazepam - 5-500
Phenytoin - 5-250
Amoxapine - 10-500
Norpropoxyphene - 5-500

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Toxicology AM method 28 panel 2 external prep information

Working Solution 10000 ng/ml in MeOH zopiclone, cocaine, flunitrazepam
Stock Solution 1mg/ml 100 ul each in 9700 ul MeOH (Fisher Lot # 172516)

Prepared: 01/09/18 Expires: 07/09/18 By: TNS

Drug	Lot	Expiration
Zopiclone	FE08291601	12/31/2021
Cocaine	FE07271503	9/30/2020
Flunitrazepam	FE08051602	8/31/2021

TS

AM 28 control 50 ul working solution lot (WS010918) in 9950ul blood (Hemostat Lot# 361331-2)
Prepared: 01/09/18 Expires: 07/09/18 By: TNS

TS

**Idaho State Police
Forensic Services
Toxicology Discipline**

Request for Departure from an Analytical Method

Date of Request

01/19/2018

Forensic Scientist

Sarah Pickle, Tamara Salazar

Analytical Method

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

Request

I am formally requesting a deviation to drop benzoylecgonine from the panel 2a multi-drug confirmation analysis for the batch run on 01/09/2018. There was an unintended positive result for this compound in the external control. At this time, it has not been determined if it was caused by cocaine breaking down in our stock solution or prepared control, or if it is an issue with the data acquisition. The acquisition method will be updated to include a third transition that should help to eliminated false positives for benzoylecgonine for future runs. In addition, the control will also be checked to determine if breakdown of the cocaine occurred.

Discipline Leader Review

Departure approved

Comments:

Departure Not Approved

Comments:

Date: 01/19/2018

Celena Shrum
Toxicology Discipline Lead

ISP FORENSICS - Pocatello Instrument # 59740

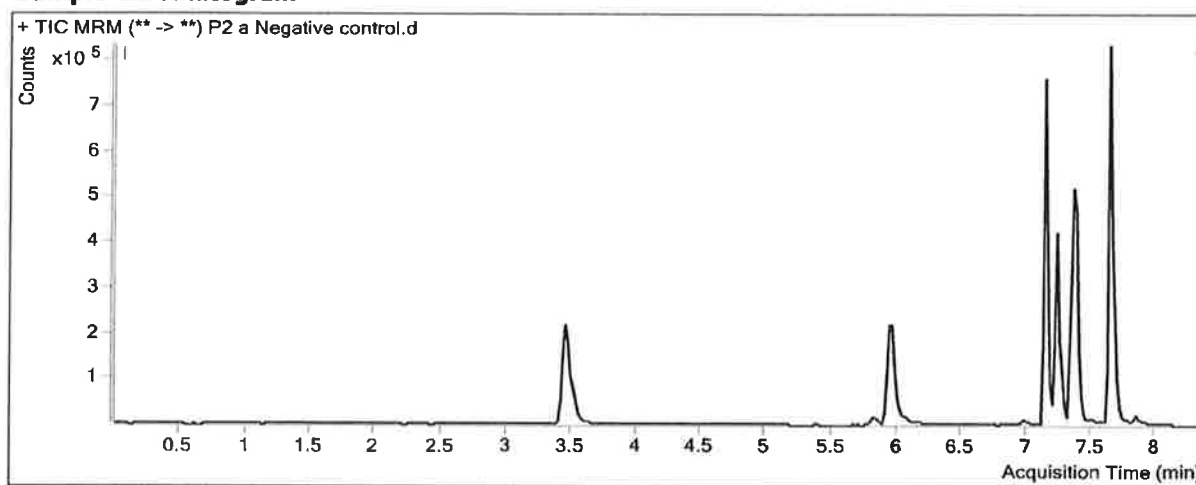
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\MDQ Panel 1 and 2 TS 010918\QuantResults\MDQ Panel 2a TS 010918.t
Analysis Time 1/19/2018 5:21 PM **Analyst Name** ISPUser
Report Time 1/22/2018 9:40 AM **Reporter Name** ISPUser
Last Calib Update 1/19/2018 5:21 PM **Batch State** Processed

Analysis Info

Acq Time 2018-01-10 17:27 **Data File** P2 a Negative control.d
Sample Type Sample **Sample Name** a Negative control
Dilution 1 **Acq Method** MDQ Panel 2a 3-12-17-3.m
Position P1-F6 **Sample Info**
Inj Vol -1 **Comment** AM 28-Panel 2

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Benzoyllecgonine	Benzoyllecgonine-d8	5.413	174	5015	0.0347	0.0000
Cocaine	Cocaine-D3	5.912	7811	508511	0.0154	0.7778 < 5
Carbamazepine	Carbamazepine-13C6	7.151	7354	1629533	0.0045	0.0497 < 5
Protriptyline	Protriptyline-d3	7.229	2127	36128	0.0589	4.3393 < 5

ISP FORENSICS - Pocatello Instrument # 59740

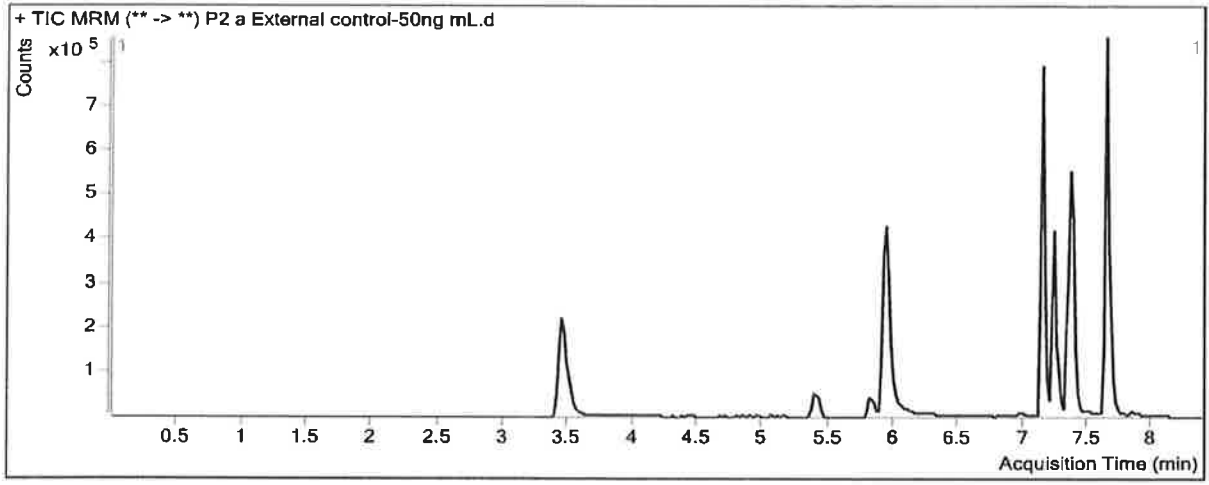
Multi-Drug Confirmatory Analysis Report

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Analysis Time 1/19/2018 5:21 PM **Analyst Name** ISPUser
Report Time 1/22/2018 9:40 AM **Reporter Name** ISPUser
Last Calib Update 1/19/2018 5:21 PM **Batch State** Processed

Analysis Info

Acq Time 2018-01-10 17:58 **Data File** P2 a External control-50ng mL.d
Sample Type Sample **Sample Name** a External control-50ng mL
Dilution 1 **Acq Method** MDQ Panel 2a 3-12-17-3.m
Position P1-E6 **Sample Info**
Inj Vol -1 **Comment** AM 28; WS010918 50 ng flunitrazepam, zopiclone, cocaine

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Benzoylcegonine	Benzoylcegonine-d8	5.413	105494	5483	19.2417	53.0528 <i>Not evaluated</i>
Zopiclone	Zopiclone-D4	5.808	64026	54388	1.1772	47.0954
Cocaine	Cocaine-D3	5.912	647430	492950	1.3134	52.2163
Carbamazepine	Carbamazepine-13C6	7.151	4686	1858146	0.0025	0.0000

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ISP FORENSICS - Pocatello Instrument # 59740

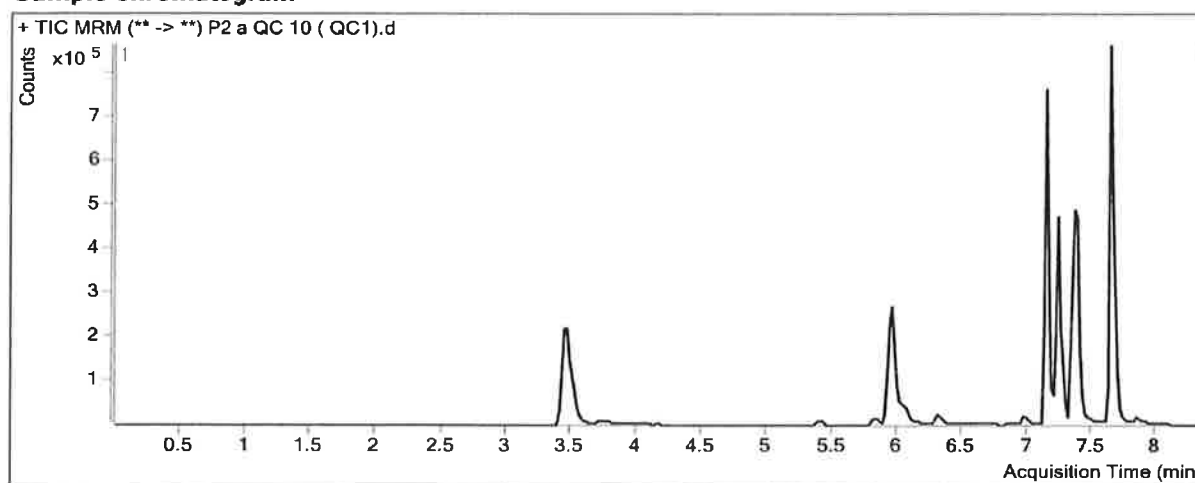
Multi-Drug Confirmatory Analysis Report

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Analysis Time 1/19/2018 5:21 PM **Analyst Name** ISPUser
Report Time 1/22/2018 9:40 AM **Reporter Name** ISPUser
Last Calib Update 1/19/2018 5:21 PM **Batch State** Processed

Analysis Info

Acq Time 2018-01-10 19:01 **Data File** P2 a QC 10 (QC1).d
Sample Type QC **Sample Name** a QC 10 (QC1)
Dilution 1 **Acq Method** MDQ Panel 2a 3-12-17-3.m
Position P1-A6 **Sample Info**
Inj Vol -1 **Comment** AM 28-Panel 2

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Pseudoephedrine	Pseudoephedrine-D3	3.476	211584	894001	0.2367	10.2831
Levamisole	Cocaine-D3	3.744	30215	408021	0.0741	8.9273
Benzoylcegonine	Benzoylcegonine-d8	5.413	16543	8003	2.0671	0.0000 <i>Not evaluated</i>
Zopiclone	Zopiclone-D4	5.828	9447	43020	0.2196	10.0631
Cocaine	Cocaine-D3	5.932	91982	408021	0.2254	9.1028
Methylphenidate	Methylphenidate-D4	5.965	118201	485573	0.2434	10.2155
Metoprolol	Methylphenidate-D4	6.000	21891	485573	0.0451	9.4744
Ondansetron	Carbamazepine-13C6	6.036	62344	1459462	0.0427	9.9629
Mirtazapine	Carbamazepine-13C6	6.303	51158	1459462	0.0351	10.6391
Mitragynine	Doxepin-D3	6.871	10005	55450	0.1804	9.7508
Doxepin	Doxepin-D3	6.981	10900	55450	0.1966	10.2706
Carbamazepine	Carbamazepine-13C6	7.151	259478	1459462	0.1778	9.9169
Protriptyline	Protriptyline-d3	7.208	16140	69763	0.2314	11.7548
Estazolam	Estazolam-D5	7.242	141569	719505	0.1968	10.3562
Amitriptyline	Amitriptyline-D3	7.245	20651	42403	0.4870	9.1529
Maprotiline	Nortriptyline-d3	7.245	20618	56362	0.3658	8.3337
Nortriptyline	Nortriptyline-d3	7.249	12692	56362	0.2252	11.0696
alpha-hydroxymidazolam	alpha-hydroxymidazolam-D4	7.336	104580	536123	0.1951	11.3441
Midazolam	Midazolam-D4	7.358	28370	395985	0.0716	9.4151

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

a qc 10

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Chlordiazepoxide	Chlordiazepoxide-D5	7.381	59357	651626	0.0911	10.1672
Phenazepam	Phenazepam-D4	7.415	24652	49752	0.4955	9.6626
Prazepam	Prazepam-D5	7.640	330203	1449705	0.2278	10.1347

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ISP FORENSICS - Pocatello Instrument # 59740

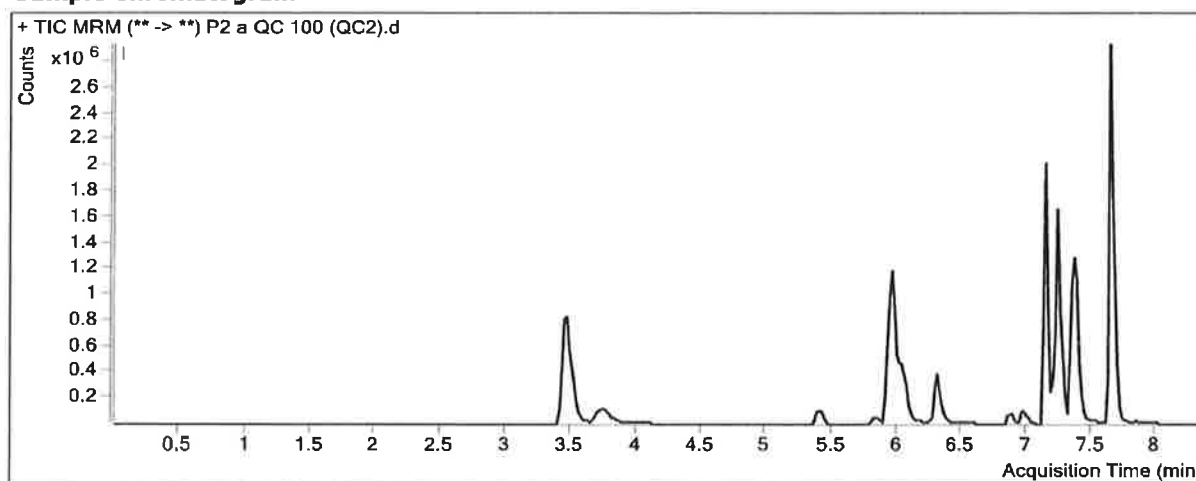
Multi-Drug Confirmatory Analysis Report

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Report Time 1/22/2018 9:41 AM **Reporter Name** ISPUser
Last Calib Update 1/19/2018 5:21 PM **Batch State** Processed

Analysis Info

Acq Time 2018-01-10 20:35 **Data File** P2 a QC 100 (QC2).d
Sample Type QC **Sample Name** a QC 100 (QC2)
Dilution 1 **Acq Method** MDQ Panel 2a 3-12-17-3.m
Position P1-B6 **Sample Info**
Inj Vol -1 **Comment** AM 28-Panel 2

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Pseudoephedrine	Pseudoephedrine-D3	3.476	2734925	1138189	2.4029	97.8807
Levamisole	Cocaine-D3	3.724	452091	536513	0.8426	92.7364
Benzoylcegonine	Benzoylcegonine-d8	5.413	210026	4631	45.3477	135.9393 <i>Not evaluated</i>
Zopiclone	Zopiclone-D4	5.828	105840	45217	2.3407	92.0904
Cocaine	Cocaine-D3	5.912	1127792	536513	2.1021	83.4713
Methylphenidate	Methylphenidate-D4	5.965	1717292	678205	2.5321	98.5030
Metoprolol	Methylphenidate-D4	6.000	294778	678205	0.4346	89.3601
Ondansetron	Carbamazepine-13C6	6.036	892963	1433634	0.6229	116.1825
Mirtazapine	Carbamazepine-13C6	6.303	792916	1433634	0.5531	138.5061
Mitragynine	Doxepin-D3	6.870	191992	104905	1.8302	85.7772
Doxepin	Doxepin-D3	6.981	217029	104905	2.0688	100.9350
Carbamazepine	Carbamazepine-13C6	7.151	2544478	1433634	1.7748	100.8610
Protriptyline	Protriptyline-d3	7.208	288490	132251	2.1814	95.5890
Estazolam	Estazolam-D5	7.242	1409283	736965	1.9123	100.7637
Amitriptyline	Amitriptyline-D3	7.245	411927	78966	5.2165	102.7418
Maprotiline	Nortriptyline-d3	7.245	426850	100341	4.2540	99.4880
Nortriptyline	Nortriptyline-d3	7.249	205236	100341	2.0454	98.1753
alpha-hydroxymidazolam	alpha-hydroxymidazolam-D4	7.336	1052861	617947	1.7038	104.2855
Midazolam	Midazolam-D4	7.358	384793	503294	0.7645	97.1200

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

a qc 100

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Chlordiazepoxide	Chlordiazepoxide-D5	7.381	646191	652707	0.9900	96.1119
Phenazepam	Phenazepam-D4	7.415	214134	41739	5.1304	99.9746
Prazepam	Prazepam-D5	7.640	3711513	1655463	2.2420	106.4496

TS

ISP FORENSICS - Pocatello Instrument # 59740

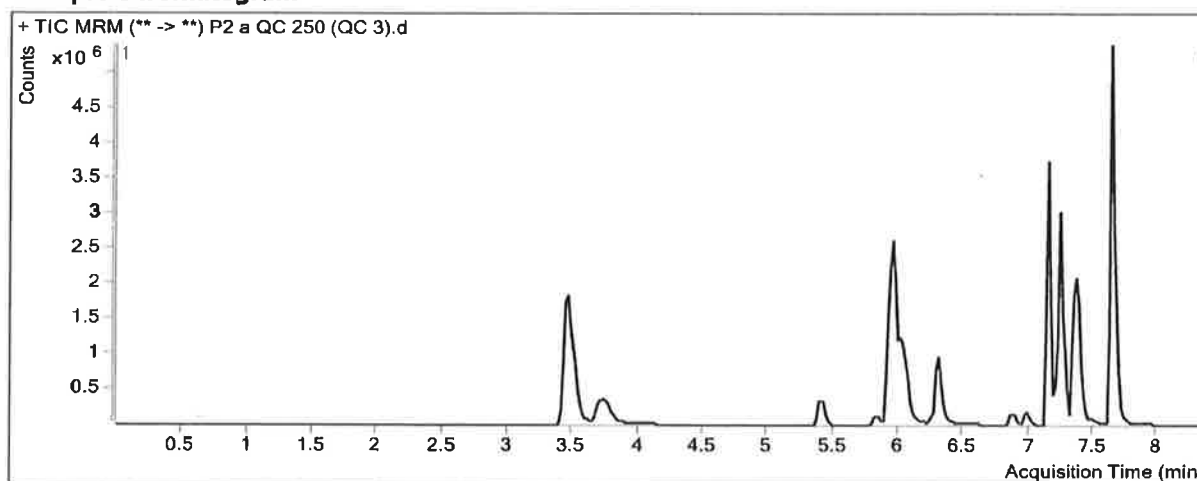
Multi-Drug Confirmatory Analysis Report

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Analysis Time 1/19/2018 5:21 PM **Analyst Name** ISPUser
Report Time 1/22/2018 9:41 AM **Reporter Name** ISPUser
Last Calib Update 1/19/2018 5:21 PM **Batch State** Processed

Analysis Info

Acq Time 2018-01-10 21:54 **Data File** P2 a QC 250 (QC 3).d
Sample Type QC **Sample Name** a QC 250 (QC 3)
Dilution 1 **Acq Method** MDQ Panel 2a 3-12-17-3.m
Position P1-C6 **Sample Info**
Inj Vol -1 **Comment** AM 28-Panel 2

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Pseudoephedrine	Pseudoephedrine-D3	3.476	7412453	1193196	6.2123	251.9264
Levamisole	Cocaine-D3	3.724	1289177	490460	2.6285	287.4696
Benzoylcegonine	Benzoylcegonine-d8	5.413	724184	5103	141.9034	442.5036 <i>Not evaluated</i>
Zopiclone	Zopiclone-D4	5.808	305691	49355	6.1937	241.0936
Cocaine	Cocaine-D3	5.912	3250439	490460	6.6273	262.8001
Methylphenidate	Methylphenidate-D4	5.965	4420613	729320	6.0613	234.6427
Metoprolol	Methylphenidate-D4	5.980	749492	729320	1.0277	210.9671
Ondansetron	Carbamazepine-13C6	6.036	2355787	1476795	1.5952	294.2075
Mirtazapine	Carbamazepine-13C6	6.303	2091028	1476795	1.4159	351.4845
Mitragrynine	Doxepin-D3	6.871	396437	84109	4.7134	218.6488
Doxepin	Doxepin-D3	6.981	426247	84109	5.0678	246.1621
Carbamazepine	Carbamazepine-13C6	7.151	6815144	1476795	4.6148	262.5831
Protriptyline	Protriptyline-d3	7.208	523199	92332	5.6665	245.4196
Estazolam	Estazolam-D5	7.242	2940051	646091	4.5505	239.7983
Amitriptyline	Amitriptyline-D3	7.245	769188	63972	12.0238	237.4466
Maprotiline	Nortriptyline-d3	7.245	778426	69111	11.2634	263.8172
Nortriptyline	Nortriptyline-d3	7.249	370438	69111	5.3601	256.7992
alpha-hydroxymidazolam	alpha-hydroxymidazolam-D4	7.336	2163575	550099	3.9331	241.6123
Midazolam	Midazolam-D4	7.358	931494	443025	2.1026	266.4818

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

a q-c 250

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Chlordiazepoxide	Chlordiazepoxide-D5	7.381	1271195	507025	2.5072	241.1639
Phenazepam	Phenazepam-D4	7.415	392745	30066	13.0630	254.5444
Prazepam	Prazepam-D5	7.640	7921235	1574982	5.0294	239.7386

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ISP FORENSICS - Pocatello Instrument # 59740

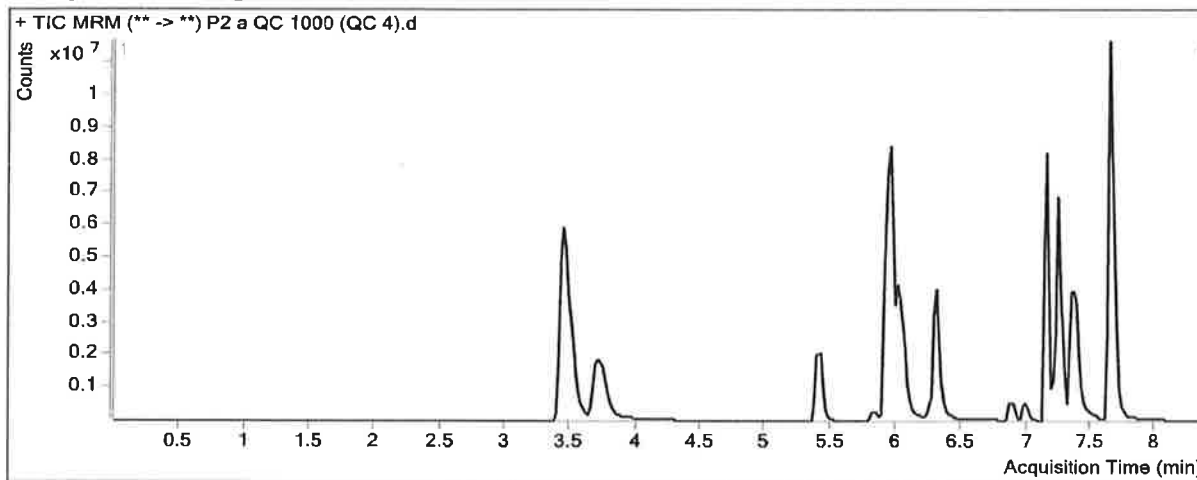
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\MDQ Panel 1 and 2 TS 010918\QuantResults\MDQ Panel 2a TS 010918.t
Analysis Time 1/19/2018 5:21 PM **Analyst Name** ISPUser
Report Time 1/22/2018 9:42 AM **Reporter Name** ISPUser
Last Calib Update 1/19/2018 5:21 PM **Batch State** Processed

Analysis Info

Acq Time 2018-01-10 23:28 **Data File** P2 a QC 1000 (QC 4).d
Sample Type QC **Sample Name** a QC 1000 (QC 4)
Dilution 1 **Acq Method** MDQ Panel 2a 3-12-17-3.m
Position P1-D6 **Sample Info**
Inj Vol -1 **Comment** AM 28-Panel 2

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Pseudoephedrine	Pseudoephedrine-D3	3.456	28899298	1108975	26.0595	1054.5145
★ Levamisole	Cocaine-D3	3.704	5927480	518991	11.4212	1246.2357 ★
Benzoylecgonine	Benzoylecgonine-d8	5.413	4730373	5446	868.5201	2749.5112 ★
Zopiclone	Zopiclone-D4	5.828	712003	27349	26.0336	1008.3441
Cocaine	Cocaine-D3	5.912	12345535	518991	23.7876	942.8341
Methylphenidate	Methylphenidate-D4	5.965	16117021	593513	27.1553	1048.3564
★ Metoprolol	Methylphenidate-D4	5.980	2203308	593513	3.7123	761.4981 ★
★ Ondansetron	Carbamazepine-13C6	6.036	9033494	990594	9.1193	1671.7896 ★
★ Mirtazapine	Carbamazepine-13C6	6.303	8446128	990594	8.5263	2106.5727 ★
Mitragynine	Doxepin-D3	6.871	1412103	62692	22.5243	1039.4598
Doxepin	Doxepin-D3	6.981	1386107	62692	22.1096	1071.4285
Carbamazepine	Carbamazepine-13C6	7.151	18808879	990594	18.9875	1081.0325
Protriptyline	Protriptyline-d3	7.229	1238854	53229	23.2739	1002.3829
Estazolam	Estazolam-D5	7.242	7896064	419036	18.8434	993.0289
Amitriptyline	Amitriptyline-D3	7.245	1950459	40501	48.1584	952.4948
★ Maprotiline	Nortriptyline-d3	7.245	2002070	43516	46.0075	1078.3568 ★
Nortriptyline	Nortriptyline-d3	7.249	887354	43516	20.3914	976.1254
alpha-hydroxymidazolam	alpha-hydroxymidazolam-D4	7.336	5083669	364584	13.9438	858.2921
Midazolam	Midazolam-D4	7.358	3130027	385931	8.1103	1026.9170

★ outside Curve Range ★

TS

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

a qc 1000

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Chlordiazepoxide	Chlordiazepoxide-D5	7.381	2841122	216592	13.1174	1255.5870
★ Phenazepam	Phenazepam-D4	7.415	793549	18931	41.9172	816.7794 ★
Przepam	Przepam-D5	7.640	23238451	1030726	22.5457	1077.3298

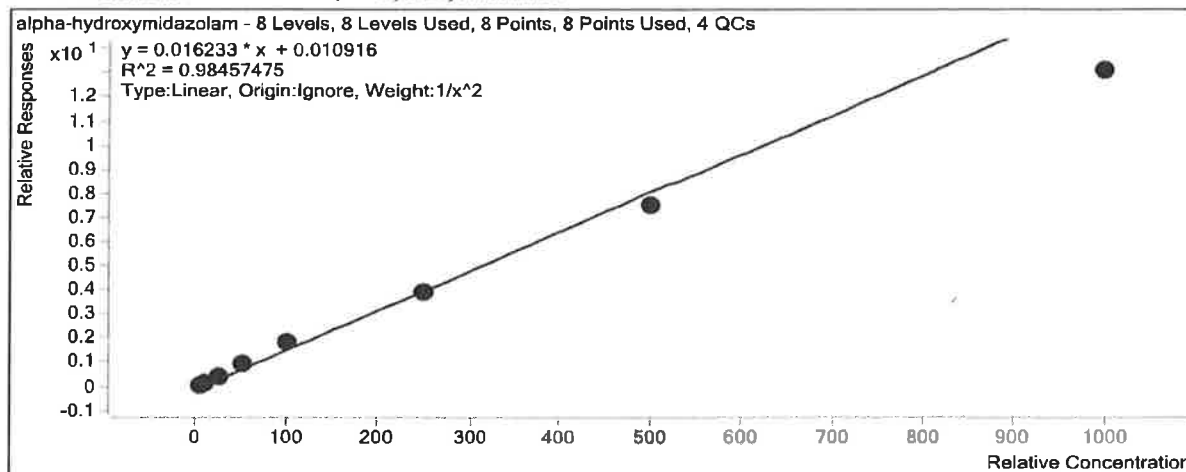
★ Outside curve range ★

ISP Forensics Calibration Curve Report

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Batch Data Path C:\MassHunter\Data\2018\MD Quant\MDQ Panel 1 and 2 TS 010918\QuantResults\MDQ Panel 2a TS 010918.batch.bin
Last Calib Update 1/19/2018 5:21 PM **Analyst Name** ISP TOX

Target Compound *alpha-hydroxymidazolam*
Internal Standard *alpha-hydroxymidazolam-D4*



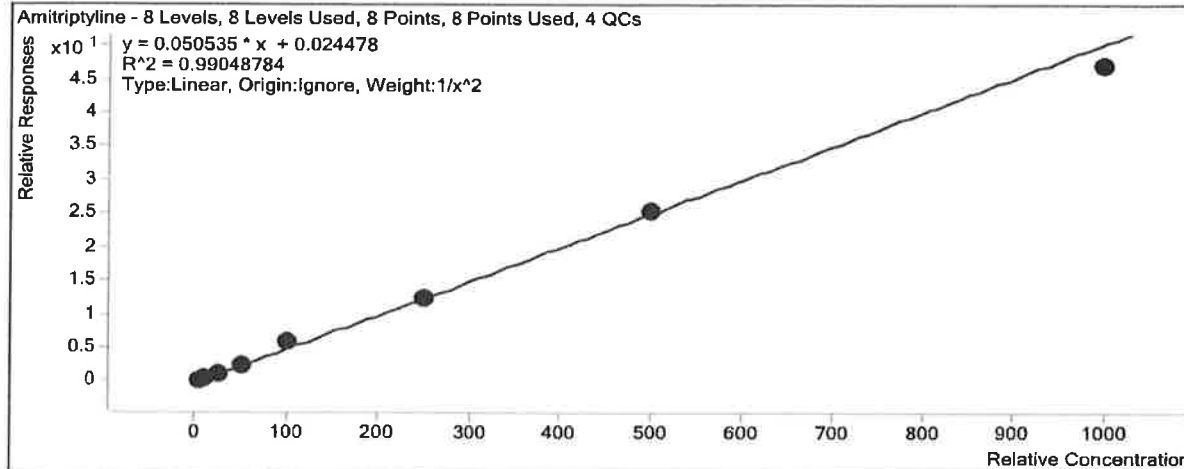
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.7	93.9
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.7	106.6
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	11.3	113.4
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.7	106.8
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	55.3	110.6
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	112.0	112.0
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	104.3	104.3
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	241.6	96.6
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	461.7	92.3
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	805.7	80.6
a QC 1000 (QC 4)	8	<input type="checkbox"/>	1000	858.3	85.8

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\MDQ Panel 1 and 2 TS 010918\QuantResults\MDQ Panel 2a TS 010918.batch.bin
Last Calib Update 1/19/2018 5:21 PM **Analyst Name** ISP TOX

Target Compound Amitriptyline
Internal Standard Amitriptyline-D3



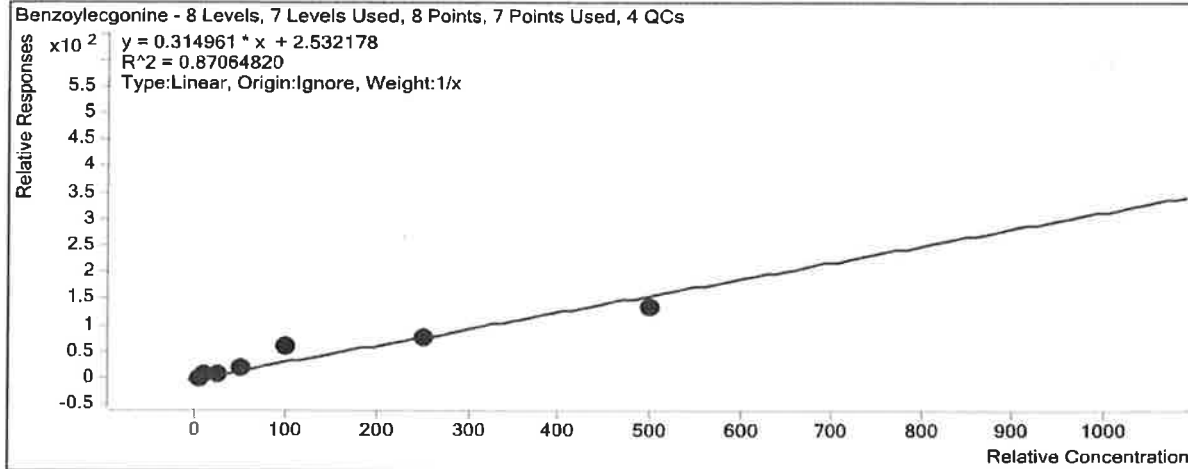
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.9	98.5
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.5	105.1
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.2	91.5
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.6	94.4
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.3	92.6
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	118.4	118.4
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	102.7	102.7
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	244.5	97.8
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	237.4	95.0
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	501.5	100.3
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	929.5	93.0
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	952.5	95.2

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\MDQ Panel 1 and 2 TS 010918\QuantResults\MDQ Panel 2a TS 010918.batch.bin
Last Calib Update 1/19/2018 5:21 PM **Analyst Name** ISP TOX

Target Compound Benzoylecgonine
Internal Standard Benzoylecgonine-d8



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	0.0	0.0
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	20.7	206.6
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	0.0	0.0
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	19.7	78.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	62.2	124.4
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	187.2	187.2
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	135.9	135.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	232.2	92.9
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	442.5	177.0
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	421.7	84.3
a cal 8-1000ng	8	<input type="checkbox"/>	1000	1875.0	187.5
a QC 1000 (QC 4)	8	<input type="checkbox"/>	1000	2749.5	275.0

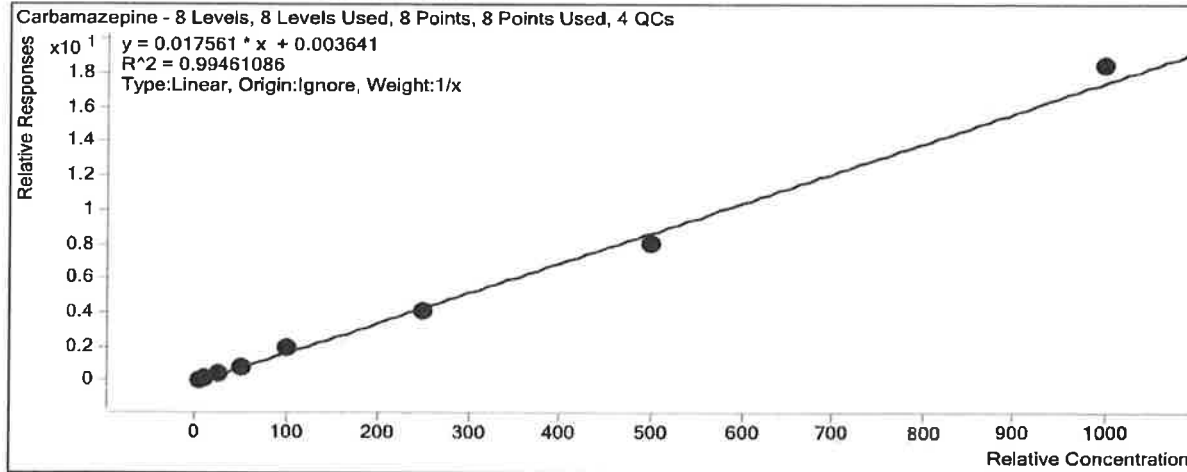
• Compound not evaluated

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\MDQ Panel 1 and 2 TS 010918\QuantResults\MDQ Panel 2a TS 010918.batch.bin
Last Calib Update 1/19/2018 5:21 PM **Analyst Name** ISP TOX

Target Compound Carbamazepine
Internal Standard Carbamazepine-13C6



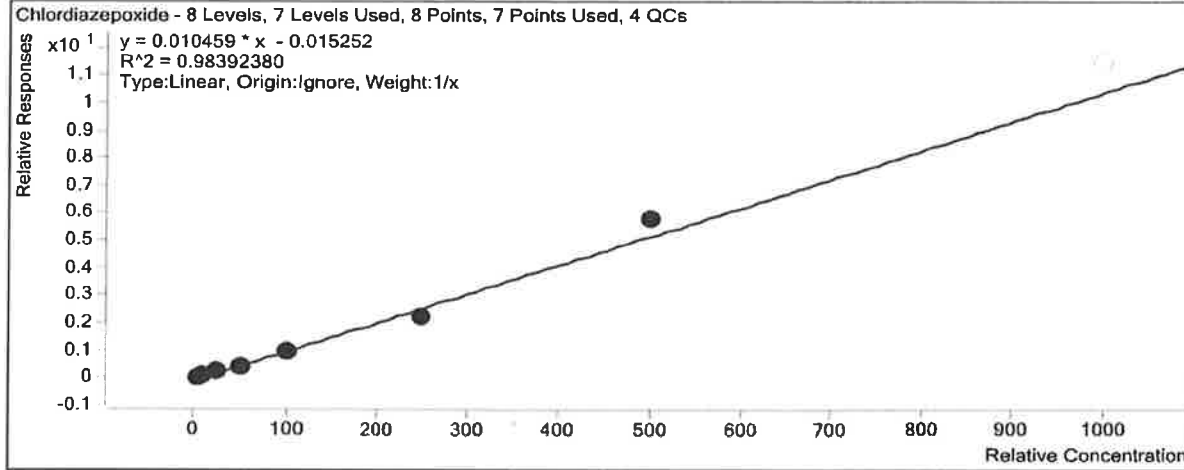
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.8	96.1
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	11.1	110.9
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.9	99.2
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.6	98.5
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.2	92.4
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	112.8	112.8
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	100.9	100.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	231.1	92.5
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	262.6	105.0
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	458.2	91.6
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1051.1	105.1
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1081.0	108.1

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\MDQ Panel 1 and 2 TS 010918\QuantResults\MDQ Panel 2a TS 010918.batch.bin
Last Calib Update 1/19/2018 5:21 PM **Analyst Name** ISP TOX

Target Compound *Chlordiazepoxide*
Internal Standard *Chlordiazepoxide-D5*



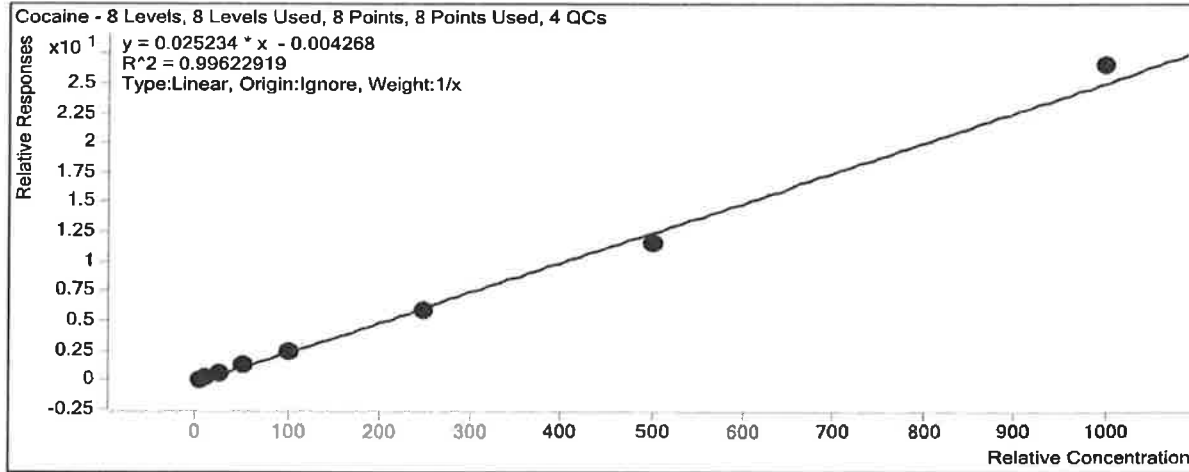
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy	
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	6.4	127.0	
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.9	109.0	
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.2	101.7	
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.1	92.3	
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	42.5	85.1	
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	90.4	90.4	
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	96.1	96.1	
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	214.3	85.7	
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	241.2	96.5	
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	552.4	110.5	
a cal 8-1000ng	8	<input type="checkbox"/>	1000	1098.4	109.8	
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1255.6	125.6	<i>outside curve range</i>

ISP Forensics Calibration Curve Report

13

Batch Data Path C:\MassHunter\Data\2018\MD Quant\MDQ Panel 1 and 2 TS 010918\QuantResults\MDQ Panel 2a TS 010918.batch.bin
Last Calib Update 1/19/2018 5:21 PM **Analyst Name** ISP TOX

Target Compound Cocaine
Internal Standard Cocaine-D3



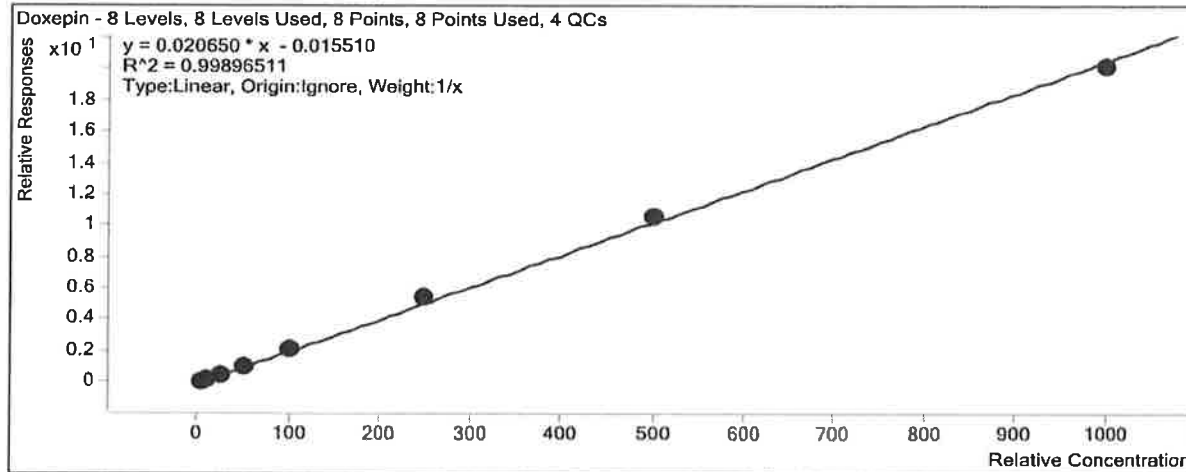
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.4	108.5
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.2	102.0
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.1	91.0
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.6	94.5
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	53.0	105.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.1	97.1
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	83.5	83.5
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	235.3	94.1
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	262.8	105.1
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	463.1	92.6
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1052.3	105.2
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	942.8	94.3

ISP Forensics Calibration Curve Report

13

Batch Data Path C:\MassHunter\Data\2018\MD Quant\MDQ Panel 1 and 2 TS 010918\QuantResults\MDQ Panel 2a TS 010918.batch.bin
Last Calib Update 1/19/2018 5:21 PM **Analyst Name** ISP TOX

Target Compound Doxepin
Internal Standard Doxepin-D3



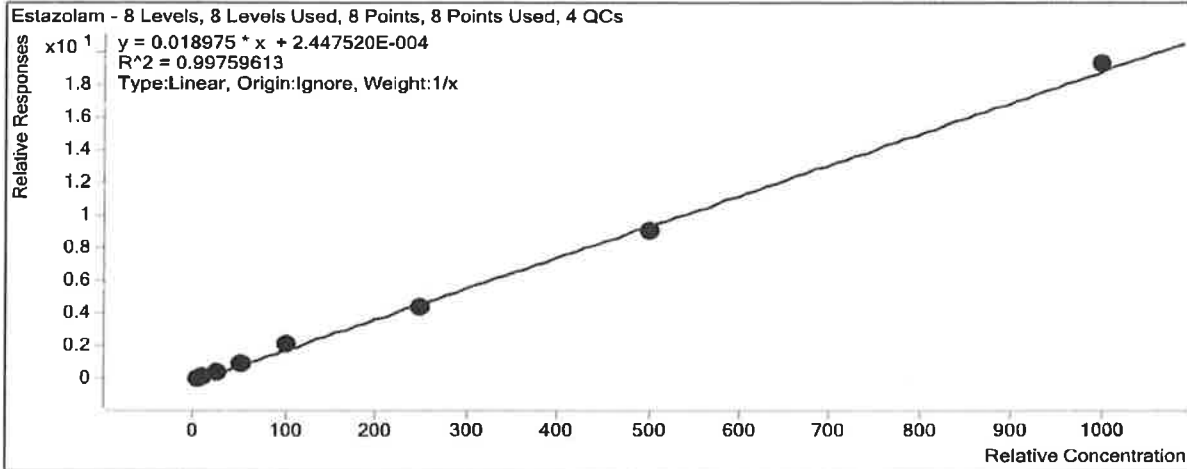
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.4
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.3	103.4
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.3	102.7
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.1	88.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.2	100.5
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.1	100.1
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	100.9	100.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	261.9	104.7
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	246.2	98.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	513.7	102.7
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	976.5	97.7
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1071.4	107.1

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\MDQ Panel 1 and 2 TS 010918\QuantResults\MDQ Panel 2a TS 010918.batch.bin
Last Calib Update 1/19/2018 5:21 PM **Analyst Name** ISP TOX

Target Compound *Estazolam*
Internal Standard *Estazolam-D5*

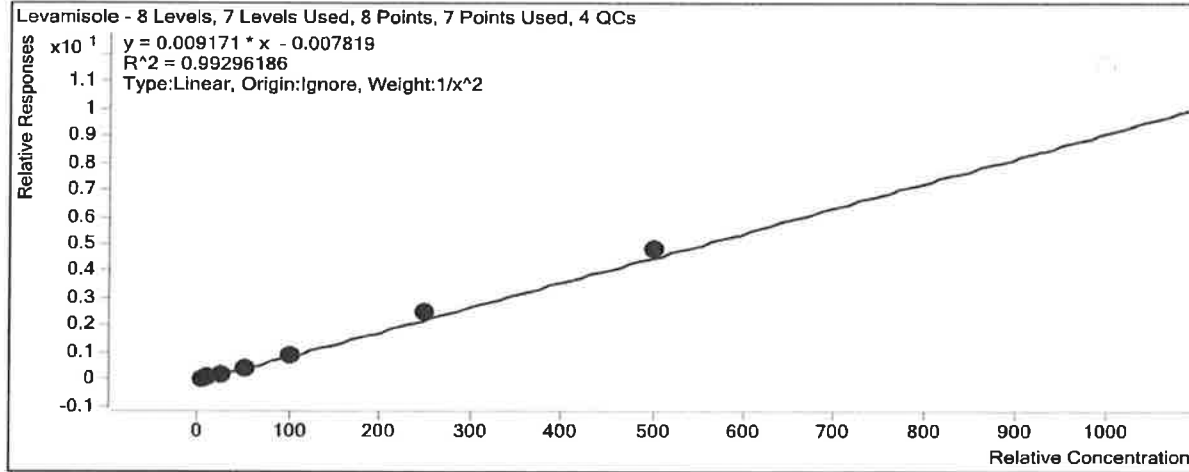


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.7	94.1
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.3	102.9
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.4	103.6
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.7	98.8
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.2	96.4
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	115.3	115.3
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	100.8	100.8
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	235.2	94.1
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	239.8	95.9
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	482.7	96.5
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1018.9	101.9
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	993.0	99.3

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\MDQ Panel 1 and 2 TS 010918\QuantResults\MDQ Panel 2a TS 010918.batch.bin
Last Calib Update 1/19/2018 5:21 PM **Analyst Name** ISP TOX

Target Compound Levamisole
Internal Standard Cocaine-D3



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	104.9
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.4	94.3
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	8.9	89.3
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.9	91.7
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.8	95.5
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	96.9	96.9
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	92.7	92.7
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	276.2	110.5
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	287.5	115.0
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	531.2	106.2
a cal 8-1000ng	8	<input type="checkbox"/>	1000	1270.8	127.1
a QC 1000 (QC 4)	8	<input type="checkbox"/>	1000	1246.2	124.6

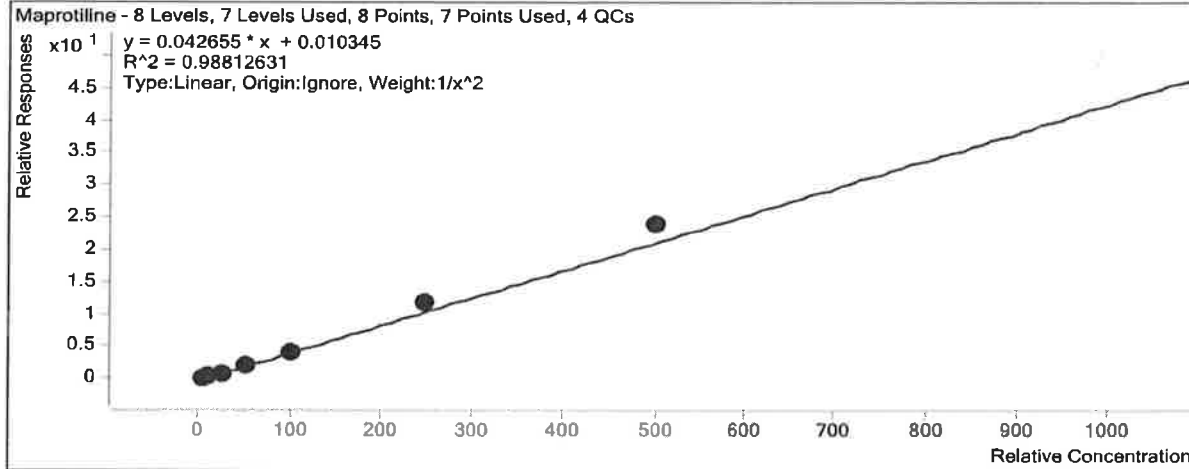
outside curve range

TS

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\MDQ Panel 1 and 2 TS 010918\QuantResults\MDQ Panel 2a TS 010918.batch.bin
Last Calib Update 1/19/2018 5:21 PM **Analyst Name** ISP TOX

Target Compound *Maprotiline*
Internal Standard *Nortriptyline-d3*



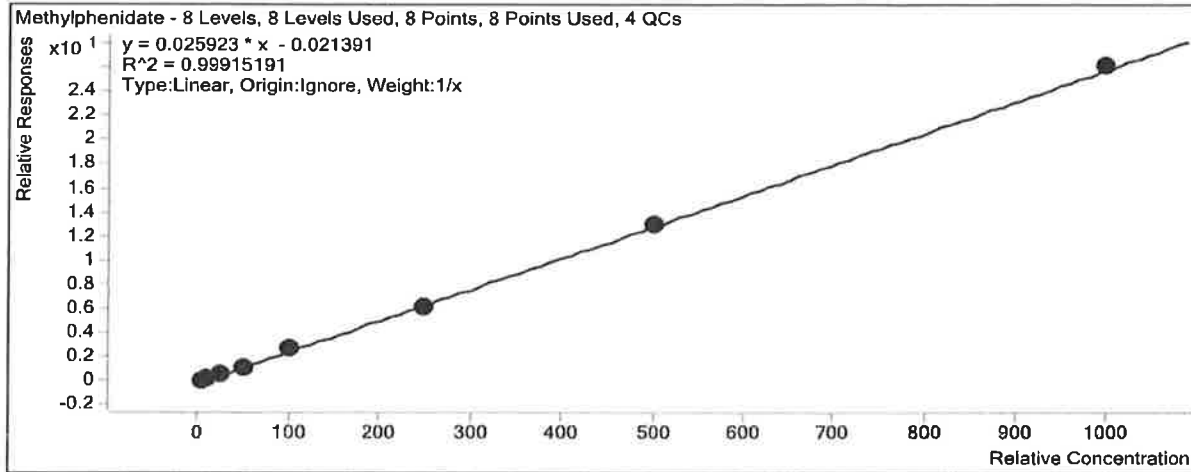
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy	
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	103.8	
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	98.7	
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	8.3	83.3	
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	21.6	86.2	
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.9	95.9	
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	93.2	93.2	
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	99.5	99.5	
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	275.5	110.2	
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	263.8	105.5	
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	559.7	111.9	
a cal 8-1000ng	8	<input type="checkbox"/>	1000	1144.7	114.5	
a QC 1000 (QC 4)	8	<input type="checkbox"/>	1000	1078.4	107.8	<i>Outside curve range</i>

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\MDQ Panel 1 and 2 TS 010918\QuantResults\MDQ Panel 2a TS 010918.batch.bin
Last Calib Update 1/19/2018 5:21 PM **Analyst Name** ISP TOX

Target Compound *Methylphenidate*
Internal Standard *Methylphenidate-D4*



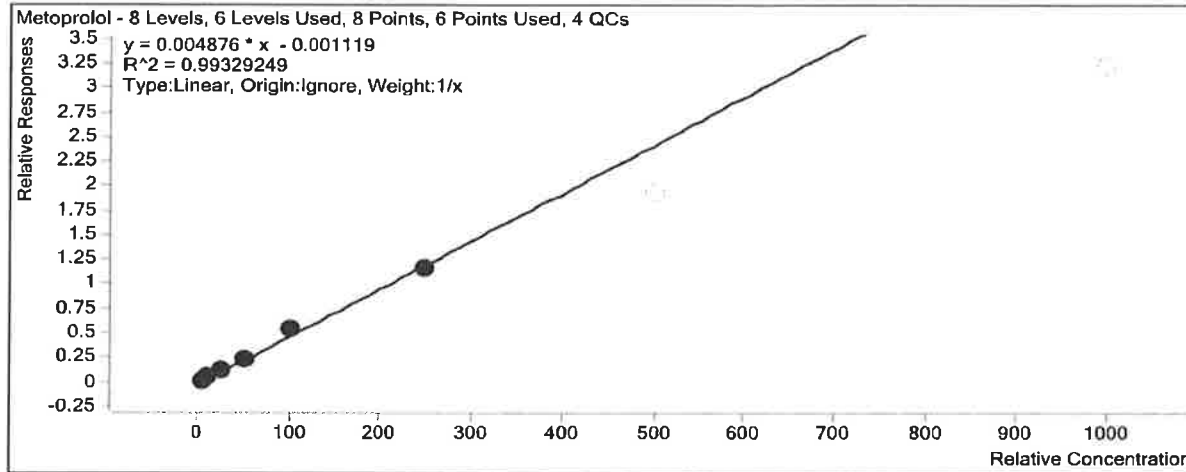
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.6	112.7
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.8	107.8
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.2	102.2
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.0	87.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	44.7	89.4
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.7	103.7
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	98.5	98.5
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	242.6	97.0
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	234.6	93.9
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	502.3	100.5
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1008.3	100.8
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1048.4	104.8

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\MDQ Panel 1 and 2 TS 010918\QuantResults\MDQ Panel 2a TS 010918.batch.bin
Last Calib Update 1/19/2018 5:21 PM **Analyst Name** ISP TOX

Target Compound *Metoprolol*
Internal Standard *Methylphenidate-D4*



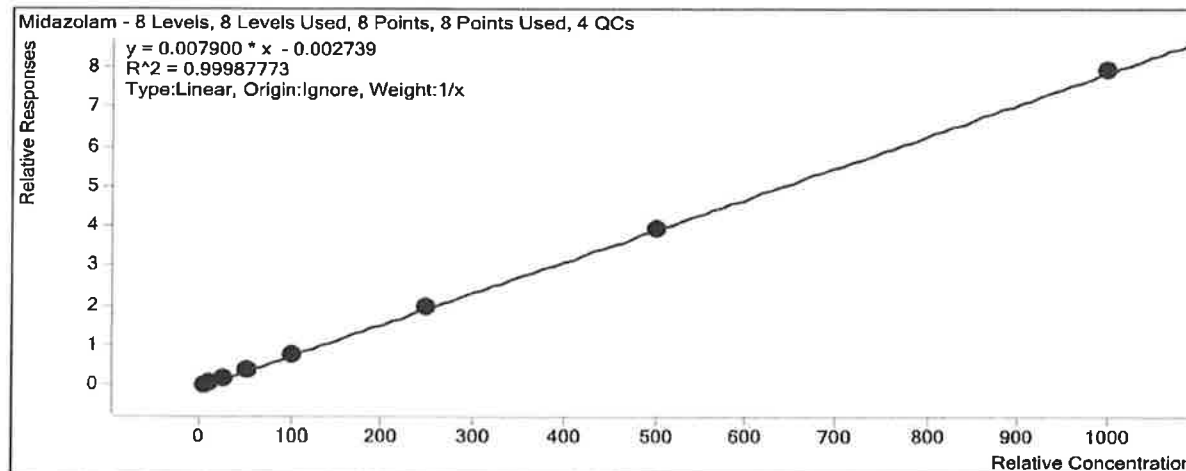
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy	
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.9	98.7	
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	99.3	
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.5	94.7	
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.6	94.4	
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.4	98.8	
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	113.2	113.2	
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	89.4	89.4	
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	238.9	95.6	
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	211.0	84.4	
a cal 7-500ng	7	<input type="checkbox"/>	500	400.7	80.1	
a cal 8-1000ng	8	<input type="checkbox"/>	1000	660.2	66.0	
a QC 1000 (QC 4)	8	<input type="checkbox"/>	1000	761.5	76.1	<i>Outside curve range</i>

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\MDQ Panel 1 and 2 TS 010918\QuantResults\MDQ Panel 2a TS 010918.batch.bin
Last Calib Update 1/19/2018 5:21 PM **Analyst Name** ISP TOX

Target Compound Midazolam
Internal Standard Midazolam-D4



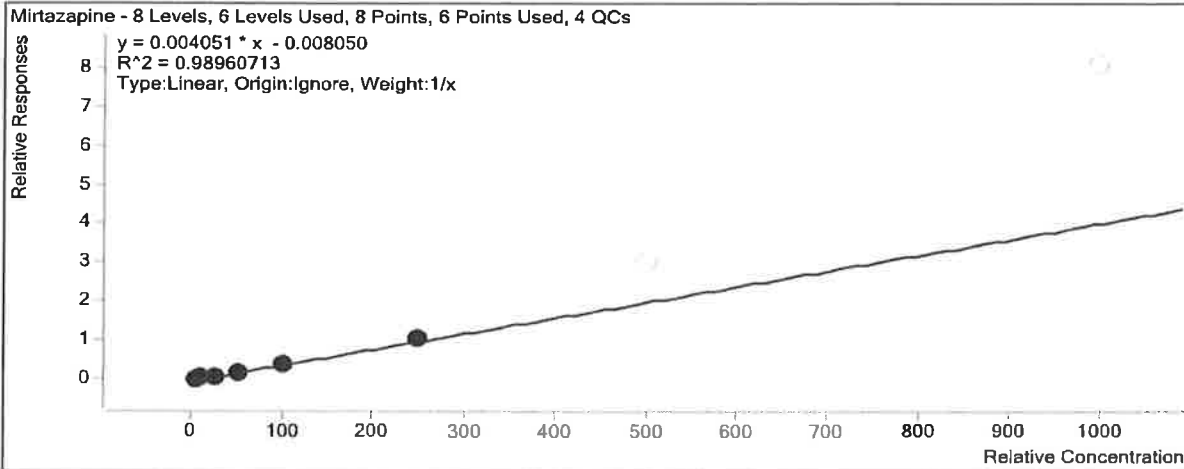
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.3	106.1
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.3	103.1
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.4	94.2
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.0	92.0
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.2	98.4
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.4	100.4
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	97.1	97.1
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	250.0	100.0
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	266.5	106.6
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	498.5	99.7
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1003.3	100.3
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1026.9	102.7

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\MDQ Panel 1 and 2 TS 010918\QuantResults\MDQ Panel 2a TS 010918.batch.bin
Last Calib Update 1/19/2018 5:21 PM **Analyst Name** ISP TOX

Target Compound *Mirtazapine*
Internal Standard *Carbamazepine-13C6*



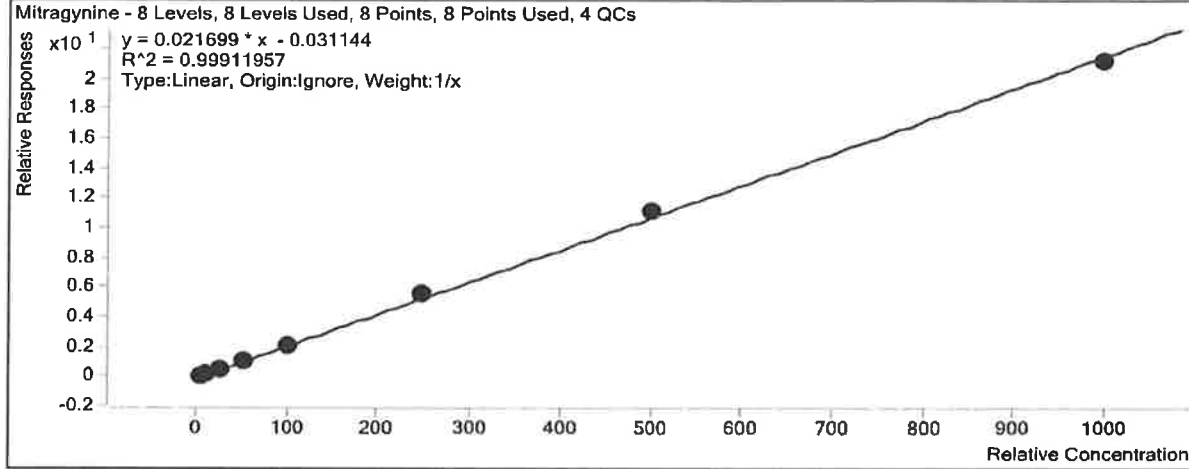
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	6.4	127.3
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.4	104.0
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.6	106.4
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	20.9	83.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	40.1	80.2
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.1	100.1
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	138.5	138.5
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	262.1	104.9
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	351.5	140.6
a cal 7-500ng	7	<input type="checkbox"/>	500	741.9	148.4
a cal 8-1000ng	8	<input type="checkbox"/>	1000	1997.6	199.8
a QC 1000 (QC 4)	8	<input type="checkbox"/>	1000	2106.6	210.7 <i>Outside Curve Range</i>

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\MDQ Panel 1 and 2 TS 010918\QuantResults\MDQ Panel 2a TS 010918.batch.bin
Last Calib Update 1/19/2018 5:21 PM **Analyst Name** ISP TOX

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



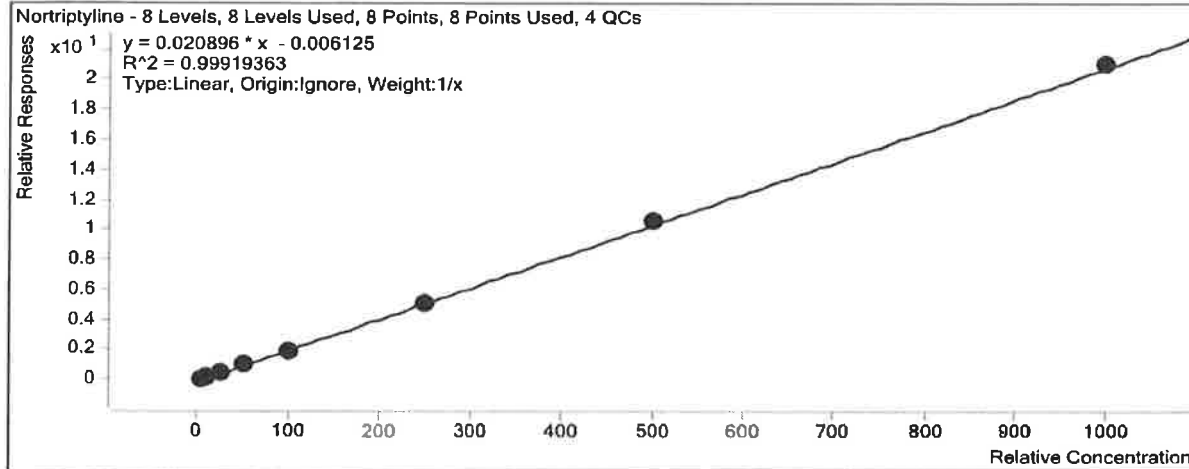
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.3	105.5
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.2	92.2
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.8	97.5
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.7	98.7
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.1	102.1
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	96.3	96.3
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	85.8	85.8
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	261.7	104.7
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	218.6	87.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	512.9	102.6
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	978.9	97.9
a QC 1000 (QC 4)	8	<input type="checkbox"/>	1000	1039.5	103.9

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\MDQ Panel 1 and 2 TS 010918\QuantResults\MDQ Panel 2a TS 010918.batch.bin
Last Calib Update 1/19/2018 5:21 PM **Analyst Name** ISP TOX

Target Compound *Nortriptyline*
Internal Standard *Nortriptyline-d3*



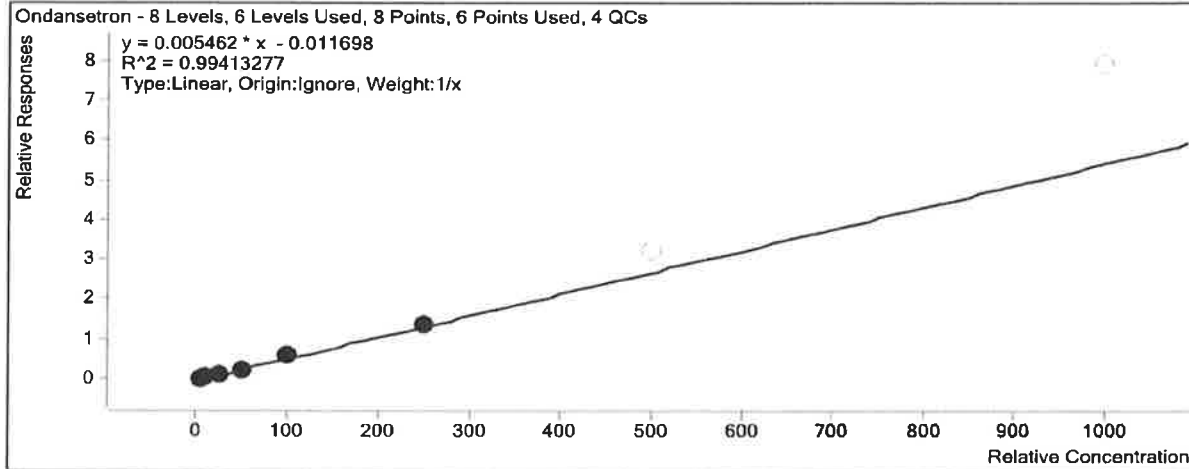
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a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.6
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.8	107.6
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	11.1	110.7
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.3	101.1
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.3	98.7
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	89.5	89.5
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	98.2	98.2
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	245.7	98.3
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	256.8	102.7
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	508.6	101.7
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1005.8	100.6
a QC 1000 (QC 4)	8	<input type="checkbox"/>	1000	976.1	97.6

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\MDQ Panel 1 and 2 TS 010918\QuantResults\MDQ Panel 2a TS 010918.batch.bin
Last Calib Update 1/19/2018 5:21 PM **Analyst Name** ISP TOX

Target Compound Ondansetron
Internal Standard Carbamazepine-13C6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.6	112.2
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.3	103.5
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.0	99.6
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.6	90.3
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	42.8	85.7
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	108.2	108.2
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	116.2	116.2
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	250.4	100.2
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	294.2	117.7
a cal 7-500ng	7	<input type="checkbox"/>	500	594.6	118.9
a cal 8-1000ng	8	<input type="checkbox"/>	1000	1449.4	144.9
a QC 1000 (QC 4)	8	<input type="checkbox"/>	1000	1671.8	167.2

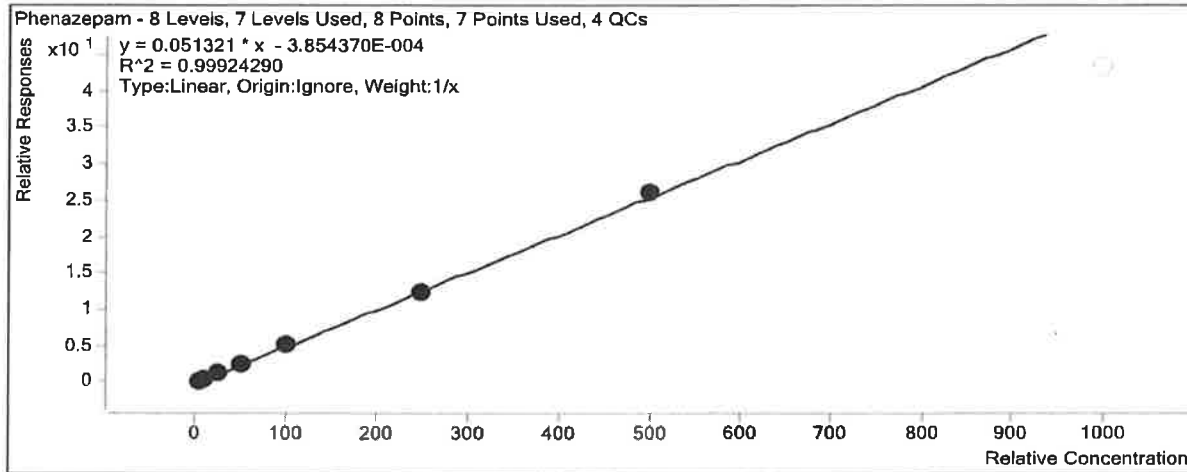
outside curve range

ISP Forensics Calibration Curve Report

15

Batch Data Path C:\MassHunter\Data\2018\MD Quant\MDQ Panel 1 and 2 TS 010918\QuantResults\MDQ Panel 2a TS 010918.batch.bin
Last Calib Update 1/19/2018 5:21 PM **Analyst Name** ISP TOX

Target Compound Phenazepam
Internal Standard Phenazepam-D4



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	103.0
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.5	95.1
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.7	96.6
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.2	100.8
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.3	102.6
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.8	100.8
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	100.0	100.0
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	239.9	95.9
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	254.5	101.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	508.1	101.6
a cal 8-1000ng	8	<input type="checkbox"/>	1000	845.4	84.5
a QC 1000 (QC 4)	8	<input type="checkbox"/>	1000	816.8	81.7

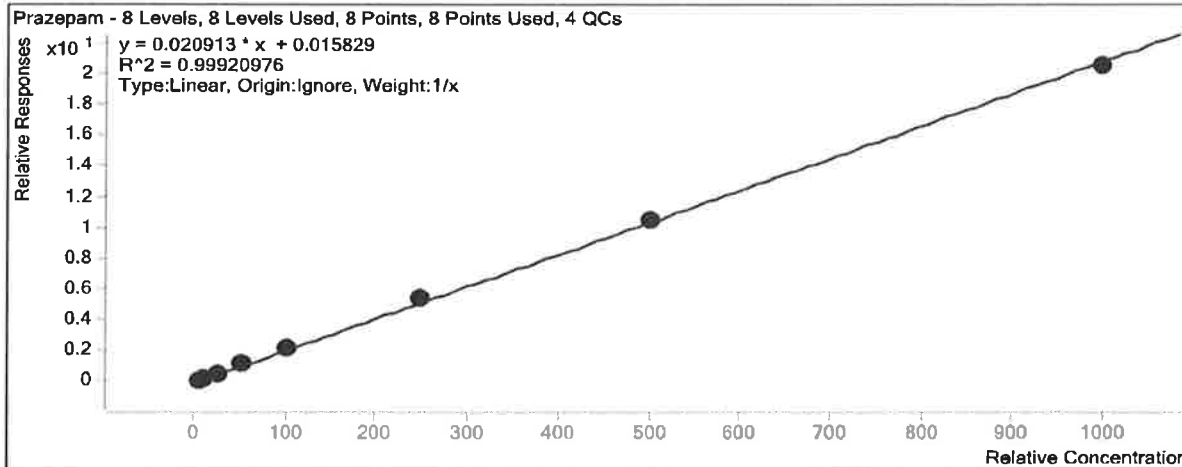
Outside Curve Range

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\MDQ Panel 1 and 2 TS 010918\QuantResults\MDQ Panel 2a TS 010918.batch.bin
Last Calib Update 1/19/2018 5:21 PM **Analyst Name** ISP TOX

Target Compound Prazepam
Internal Standard Prazepam-D5



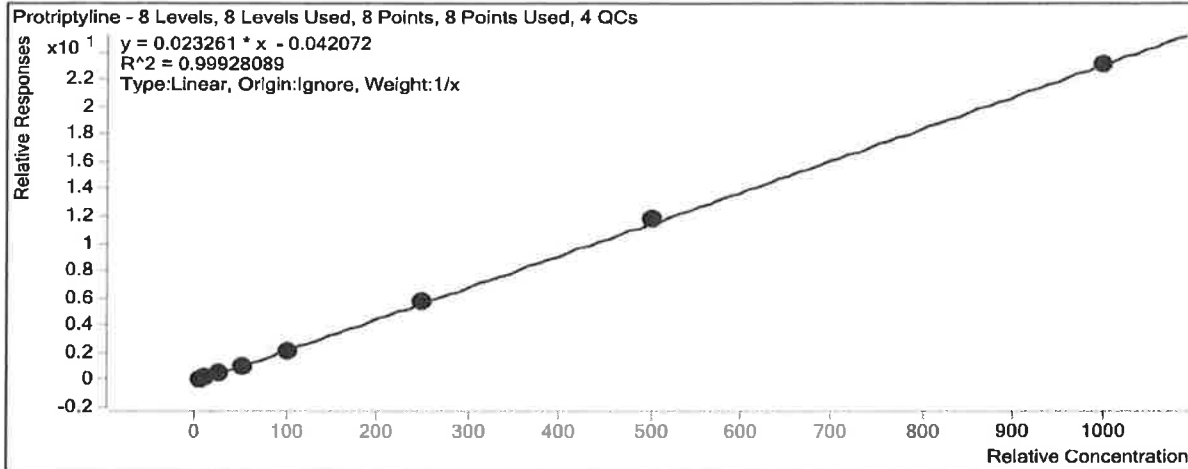
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.5	90.8
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	100.1
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.1	101.3
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.7	94.8
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	53.5	106.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	104.5	104.5
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	106.4	106.4
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	260.3	104.1
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	239.7	95.9
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	503.3	100.7
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	980.1	98.0
a QC 1000 (QC 4)	8	<input type="checkbox"/>	1000	1077.3	107.7

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\MDQ Panel 1 and 2 TS 010918\QuantResults\MDQ Panel 2a TS 010918.batch.bin
Last Calib Update 1/19/2018 5:21 PM **Analyst Name** ISP TOX

Target Compound Protriptyline
Internal Standard Protriptyline-d3



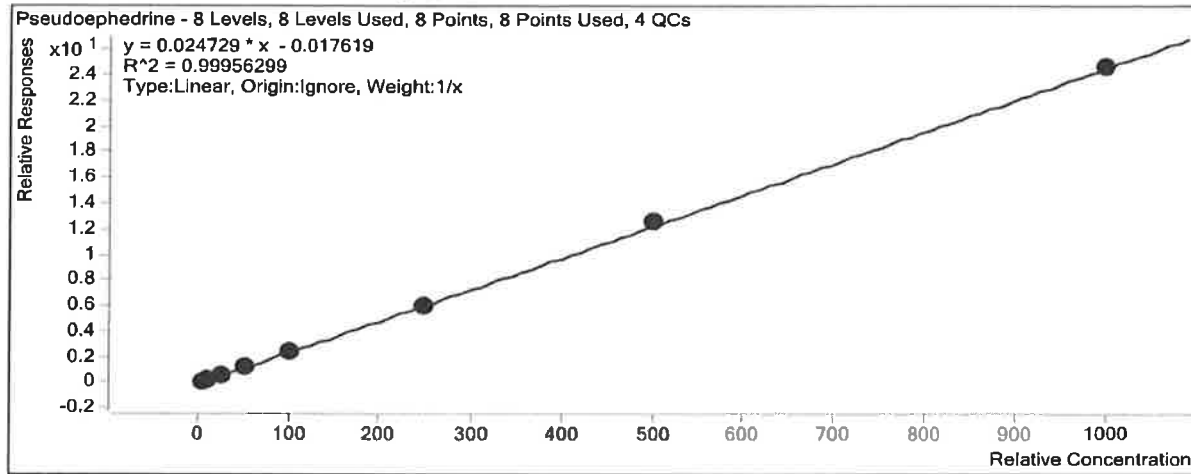
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.7	113.7
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.6	106.4
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	11.8	117.5
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.4	89.5
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.1	92.2
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	95.5	95.5
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	95.6	95.6
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	251.2	100.5
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	245.4	98.2
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	512.9	102.6
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	995.6	99.6
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1002.4	100.2

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\MDQ Panel 1 and 2 TS 010918\QuantResults\MDQ Panel 2a TS 010918.batch.bin
Last Calib Update 1/19/2018 5:21 PM **Analyst Name** ISP TOX

Target Compound *Pseudoephedrine*
Internal Standard *Pseudoephedrine-D3*



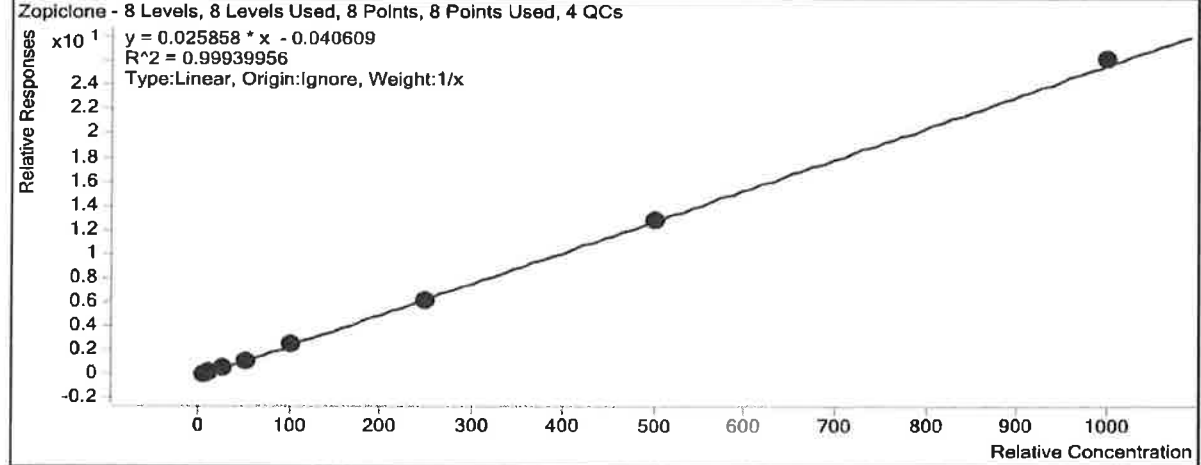
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.4	108.1
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	100.9
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.3	102.8
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.2	96.7
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.5	97.0
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.7	97.7
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	97.9	97.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	242.6	97.1
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	251.9	100.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	514.0	102.8
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	997.5	99.8
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1054.5	105.5

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\MDQ Panel 1 and 2 TS 010918\QuantResults\MDQ Panel 2a TS 010918.batch.bin
Last Calib Update 1/19/2018 5:21 PM **Analyst Name** ISP TOX

Target Compound Zopiclone
Internal Standard Zopiclone-D4



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.9	117.4
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	99.1
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.1	100.6
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.7	90.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.8	95.6
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.5	99.5
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	92.1	92.1
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	239.5	95.8
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	241.1	96.4
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	502.0	100.4
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1012.7	101.3
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1008.3	100.8

TS

ISP FORENSICS - Pocatello Instrument # 59740

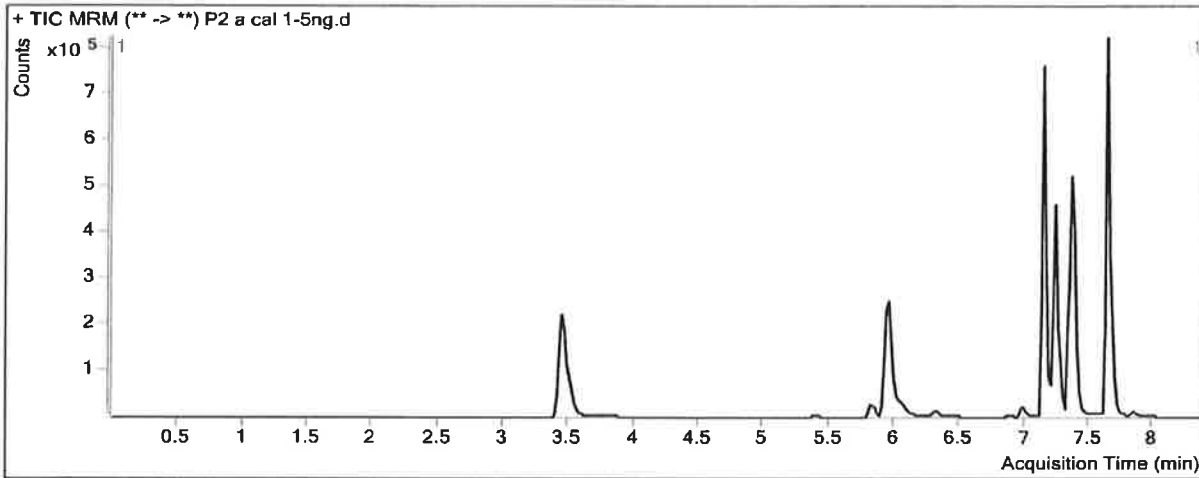
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\MDQ Panel 1 and 2 TS 010918\QuantResults\MDQ Panel 2a TS 010918.t
Analysis Time 1/19/2018 5:21 PM **Analyst Name** ISPUser
Report Time 1/22/2018 9:39 AM **Reporter Name** ISPUser
Last Calib Update 1/19/2018 5:21 PM **Batch State** Processed

Analysis Info

Acq Time 2018-01-10 12:59 **Data File** P2 a cal 1-5ng.d
Sample Type Calibration **Sample Name** a cal 1-5ng
Dilution 1 **Acq Method** MDQ Panel 2a 3-12-17-3.m
Position P1-A5 **Sample Info**
Inj Vol -1 **Comment** AM 28-Panel 2

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Pseudoephedrine	Pseudoephedrine-D3	3.476	107462	925673	0.1161	5.4070
Levamisole	Cocaine-D3	3.724	16094	399732	0.0403	5.2429
Benzoylcegonine	Benzoylcegonine-d8	5.413	6428	4720	1.3619	0.0000 <i>Not evaluated</i>
Zopiclone	Zopiclone-D4	5.828	8909	80136	0.1112	5.8700
Cocaine	Cocaine-D3	5.932	53007	399732	0.1326	5.4241
Methylphenidate	Methylphenidate-D4	5.965	65713	526807	0.1247	5.6370
Metoprolol	Methylphenidate-D4	6.000	12091	526807	0.0230	4.9360
Ondansetron	Carbamazepine-13C6	6.036	30700	1621147	0.0189	5.6090
Mirtazapine	Carbamazepine-13C6	6.303	28752	1621147	0.0177	6.3647
Mitragynine	Doxepin-D3	6.871	5767	69183	0.0834	5.2766
Doxepin	Doxepin-D3	6.981	6242	69183	0.0902	5.1200
Carbamazepine	Carbamazepine-13C6	7.151	142714	1621147	0.0880	4.8057
Protriptyline	Protriptyline-d3	7.229	8441	93579	0.0902	5.6866
Estazolam	Estazolam-D5	7.242	72686	811892	0.0895	4.7052
Amitriptyline	Amitriptyline-D3	7.245	14258	52178	0.2733	4.9229
Maprotiline	Nortriptyline-d3	7.245	15111	65197	0.2318	5.1914
Nortriptyline	Nortriptyline-d3	7.249	6593	65197	0.1011	5.1325
alpha-hydroxymidazolam	alpha-hydroxymidazolam-D4	7.336	49722	570499	0.0872	4.6965
Midazolam	Midazolam-D4	7.358	16113	411262	0.0392	5.3059

TS

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

a cal 1-5 ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Chlordiazepoxide	Chlordiazepoxide-D5	7.381	36339	710191	0.0512	6.3504
Phenazepam	Phenazepam-D4	7.415	13901	52656	0.2640	5.1515
Prazepam	Prazepam-D5	7.640	173640	1567025	0.1108	4.5417

TS

ISP FORENSICS - Pocatello Instrument # 59740

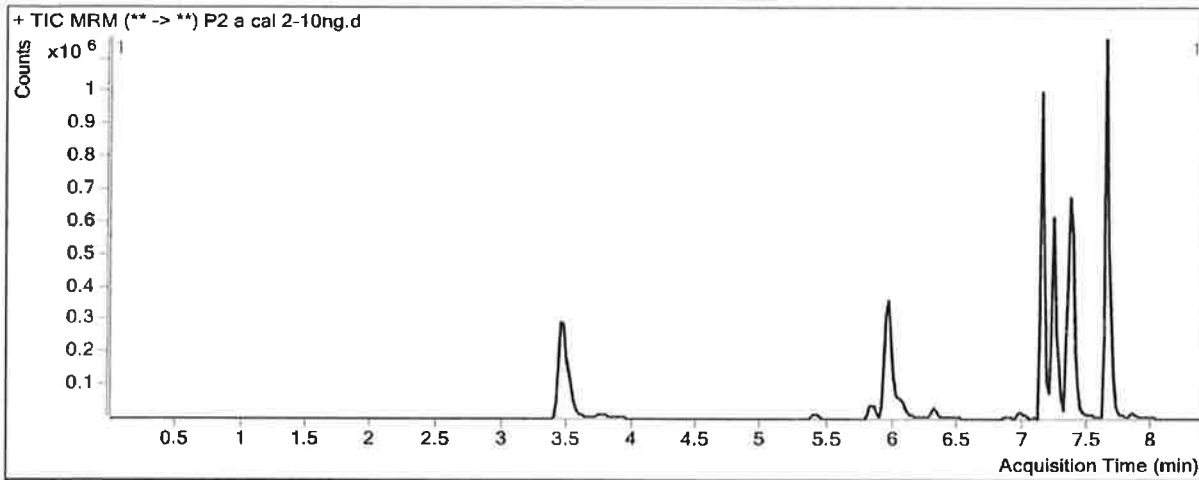
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\MDQ Panel 1 and 2 TS 010918\QuantResults\MDQ Panel 2a TS 010918.t
Analysis Time 1/19/2018 5:21 PM **Analyst Name** ISPUser
Report Time 1/22/2018 9:39 AM **Reporter Name** ISPUser
Last Calib Update 1/19/2018 5:21 PM **Batch State** Processed

Analysis Info

Acq Time 2018-01-10 13:31 **Data File** P2 a cal 2-10ng.d
Sample Type Calibration **Sample Name** a cal 2-10ng
Dilution 1 **Acq Method** MDQ Panel 2a 3-12-17-3.m
Position P1-B5 **Sample Info**
Inj Vol -1 **Comment** AM 28-Panel 2

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Pseudoephedrine	Pseudoephedrine-D3	3.476	280561	1210443	0.2318	10.0854
Levamisole	Cocaine-D3	3.744	40558	515830	0.0786	9.4262
Benzoylcegonine	Benzoylcegonine-d8	5.413	19541	2162	9.0388	20.6584 <i>Not evaluated</i>
Zopiclone	Zopiclone-D4	5.828	23647	109652	0.2157	9.9102
Cocaine	Cocaine-D3	5.932	130598	515830	0.2532	10.2022
Methylphenidate	Methylphenidate-D4	5.965	165769	642226	0.2581	10.7822
Metoprolol	Methylphenidate-D4	6.000	30371	642226	0.0473	9.9269
Ondansetron	Carbamazepine-13C6	6.036	79755	1779375	0.0448	10.3483
Mirtazapine	Carbamazepine-13C6	6.303	60619	1779375	0.0341	10.3960
Mitragynine	Doxepin-D3	6.870	10848	64241	0.1689	9.2174
Doxepin	Doxepin-D3	6.981	12716	64241	0.1979	10.3366
Carbamazepine	Carbamazepine-13C6	7.151	353018	1779375	0.1984	11.0902
Protriptyline	Protriptyline-d3	7.208	17429	84812	0.2055	10.6437
Estazolam	Estazolam-D5	7.242	190602	974986	0.1955	10.2895
Amitriptyline	Amitriptyline-D3	7.245	24444	43993	0.5557	10.5111
Maprotiline	Nortriptyline-d3	7.245	26904	62365	0.4314	9.8710
Nortriptyline	Nortriptyline-d3	7.249	13637	62365	0.2187	10.7576
alpha-hydroxymidazolam	alpha-hydroxymidazolam-D4	7.336	130655	710519	0.1839	10.6554
Midazolam	Midazolam-D4	7.358	40995	520957	0.0787	10.3071

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
Chlordiazepoxide	Chlordiazepoxide-D5	7.381	85897	869699	0.0988	10.9011
Phenazepam	Phenazepam-D4	7.415	29827	61146	0.4878	9.5126
Prazepam	Prazepam-D5	7.640	415685	1845823	0.2252	10.0118

TS

ISP FORENSICS - Pocatello Instrument # 59740

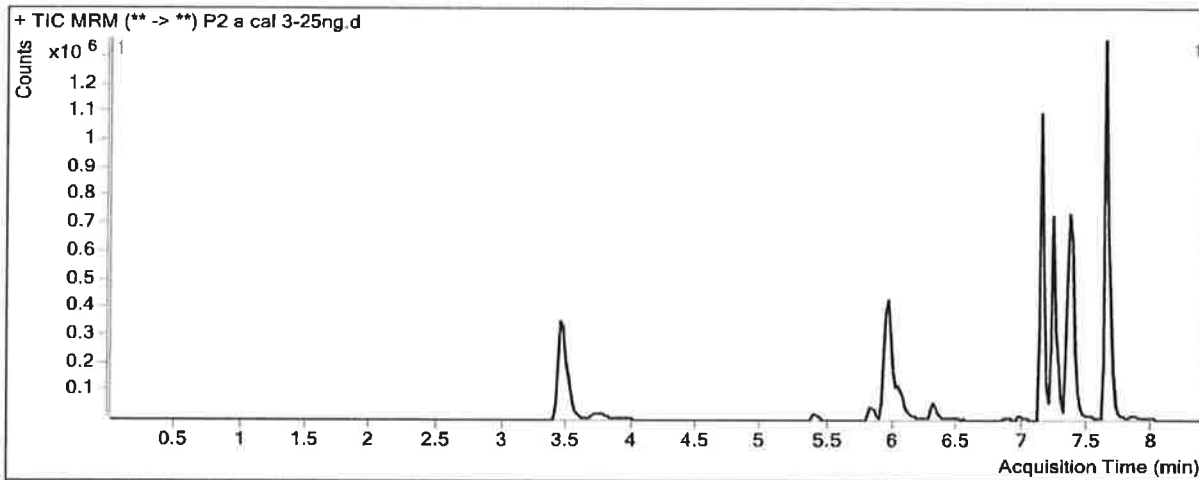
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\MDQ Panel 1 and 2 TS 010918\QuantResults\MDQ Panel 2a TS 010918.t
Analysis Time 1/19/2018 5:21 PM **Analyst Name** ISPUser
Report Time 1/22/2018 9:39 AM **Reporter Name** ISPUser
Last Calib Update 1/19/2018 5:21 PM **Batch State** Processed

Analysis Info

Acq Time 2018-01-10 14:02 **Data File** P2 a cal 3-25ng.d
Sample Type Calibration **Sample Name** a cal 3-25ng
Dilution 1 **Acq Method** MDQ Panel 2a 3-12-17-3.m
Position P1-C5 **Sample Info**
Inj Vol -1 **Comment** AM 28-Panel 2

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Pseudoephedrine	Pseudoephedrine-D3	3.476	614807	1059673	0.5802	24.1742
Levamisole	Cocaine-D3	3.744	95655	472566	0.2024	22.9244
Benzoylcegonine	Benzoylcegonine-d8	5.413	42011	4805	8.7427	19.7183 <i>Not evaluated</i>
Zopiclone	Zopiclone-D4	5.828	45679	83474	0.5472	22.7328
Cocaine	Cocaine-D3	5.912	279743	472566	0.5920	23.6278
Methylphenidate	Methylphenidate-D4	5.965	321304	585794	0.5485	21.9836
Metoprolol	Methylphenidate-D4	6.000	66778	585794	0.1140	23.6061
Ondansetron	Carbamazepine-13C6	6.036	193288	1732936	0.1115	22.5633
Mirtazapine	Carbamazepine-13C6	6.303	132739	1732936	0.0766	20.8939
Mitragynine	Doxepin-D3	6.871	17199	34101	0.5043	24.6781
Doxepin	Doxepin-D3	6.981	15061	34101	0.4417	22.1387
Carbamazepine	Carbamazepine-13C6	7.151	755742	1732936	0.4361	24.6266
Protriptyline	Protriptyline-d3	7.229	15768	32962	0.4784	22.3737
Estazolam	Estazolam-D5	7.242	421565	899094	0.4689	24.6968
Amitriptyline	Amitriptyline-D3	7.245	24056	19760	1.2174	23.6064
Maprotiline	Nortriptyline-d3	7.245	23754	25544	0.9299	21.5583
Nortriptyline	Nortriptyline-d3	7.249	13329	25544	0.5218	25.2643
alpha-hydroxymidazolam	alpha-hydroxymidazolam-D4	7.336	301367	678006	0.4445	26.7091
Midazolam	Midazolam-D4	7.358	89586	500428	0.1790	23.0061

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

a cal 3-25ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Chlordiazepoxide	Chlordiazepoxide-D5	7.381	177854	786911	0.2260	23.0672
Phenazepam	Phenazepam-D4	7.415	63151	48847	1.2928	25.1986
Prazepam	Prazepam-D5	7.640	907260	1774340	0.5113	23.6934

TS

ISP FORENSICS - Pocatello Instrument # 59740

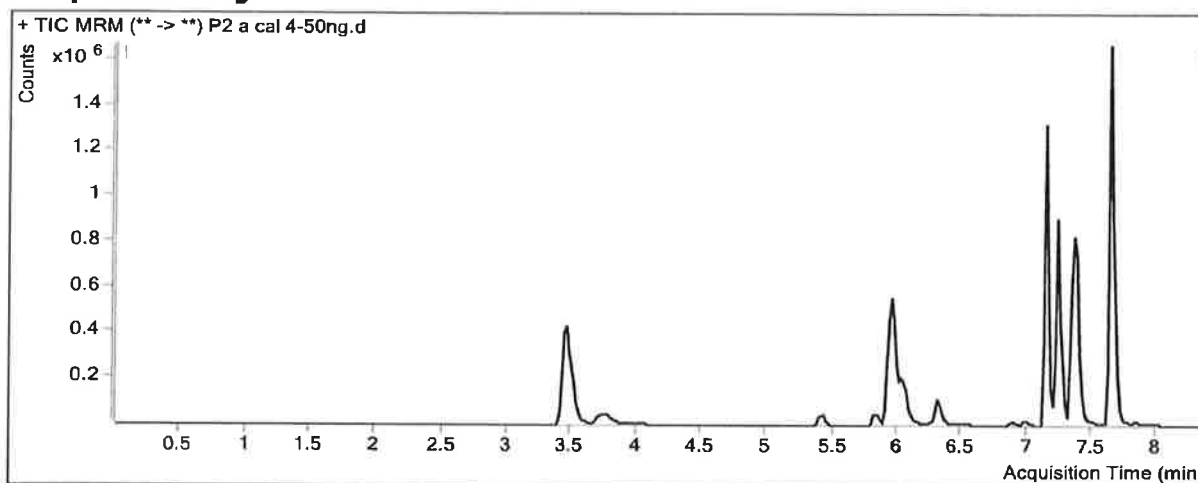
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\MDQ Panel 1 and 2 TS 010918\QuantResults\MDQ Panel 2a TS 010918.t
Analysis Time 1/19/2018 5:21 PM **Analyst Name** ISPUser
Report Time 1/22/2018 9:39 AM **Reporter Name** ISPUser
Last Calib Update 1/19/2018 5:21 PM **Batch State** Processed

Analysis Info

Acq Time 2018-01-10 14:34 **Data File** P2 a cal 4-50ng.d
Sample Type Calibration **Sample Name** a cal 4-50ng
Dilution 1 **Acq Method** MDQ Panel 2a 3-12-17-3.m
Position P1-D5 **Sample Info**
Inj Vol -1 **Comment** AM 28-Panel 2

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Pseudoephedrine	Pseudoephedrine-D3	3.476	1113208	941766	1.1820	48.5123
Levamisole	Cocaine-D3	3.744	182722	424627	0.4303	47.7744
Benzoylcegonine	Benzoylcegonine-d8	5.413	96292	4353	22.1227	62.1999 <i>Not evaluated</i>
Zopiclone	Zopiclone-D4	5.828	77966	65222	1.1954	47.7990
Cocaine	Cocaine-D3	5.932	565716	424627	1.3323	52.9647
Methylphenidate	Methylphenidate-D4	5.965	586254	515153	1.1380	44.7250
Metoprolol	Methylphenidate-D4	6.000	123540	515153	0.2398	49.4066
Ondansetron	Carbamazepine-13C6	6.036	349482	1572169	0.2223	42.8414
Mirtazapine	Carbamazepine-13C6	6.303	242781	1572169	0.1544	40.1040
Mitragynine	Doxepin-D3	6.870	33660	31258	1.0769	51.0620
Doxepin	Doxepin-D3	6.981	31936	31258	1.0217	50.2279
Carbamazepine	Carbamazepine-13C6	7.151	1281811	1572169	0.8153	46.2206
Protriptyline	Protriptyline-d3	7.229	32135	31185	1.0304	46.1091
Estazolam	Estazolam-D5	7.242	733123	801363	0.9148	48.1991
Amitriptyline	Amitriptyline-D3	7.245	48018	20314	2.3639	46.2926
Maprotiline	Nortriptyline-d3	7.245	48724	23714	2.0546	47.9260
Nortriptyline	Nortriptyline-d3	7.249	24298	23714	1.0246	49.3261
alpha-hydroxymidazolam	alpha-hydroxymidazolam-D4	7.336	524931	577953	0.9083	55.2782
Midazolam	Midazolam-D4	7.358	164211	425475	0.3859	49.1983

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
Chlordiazepoxide	Chlordiazepoxide-D5	7.381	290453	676007	0.4297	42.5373
Phenazepam	Phenazepam-D4	7.415	115206	43752	2.6332	51.3162
Prazepam	Prazepam-D5	7.640	1669138	1471998	1.1339	53.4650

TS

ISP FORENSICS - Pocatello Instrument # 59740

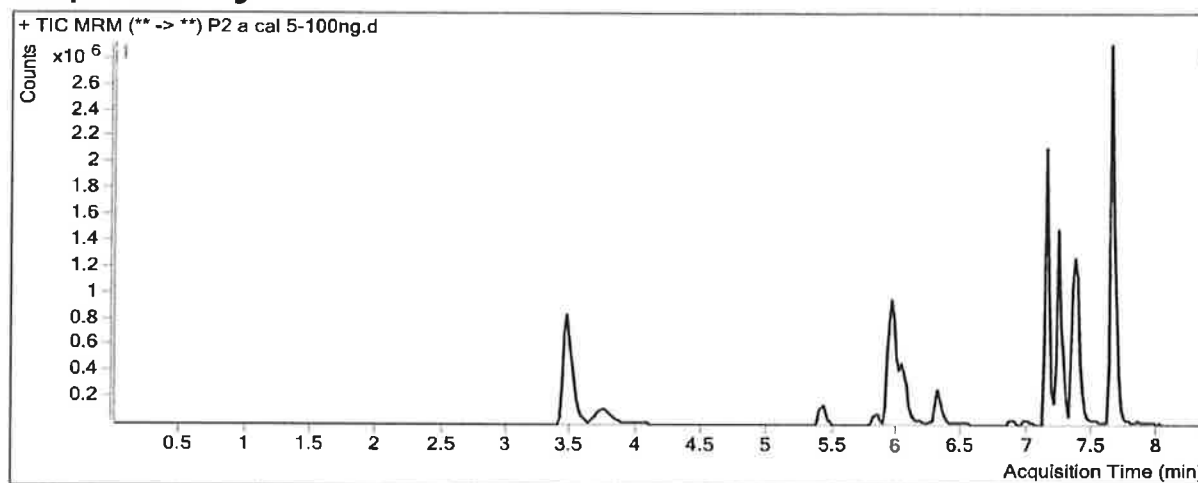
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\MDQ Panel 1 and 2 TS 010918\QuantResults\MDQ Panel 2a TS 010918.t
Analysis Time 1/19/2018 5:21 PM **Analyst Name** ISPUser
Report Time 1/22/2018 9:40 AM **Reporter Name** ISPUser
Last Calib Update 1/19/2018 5:21 PM **Batch State** Processed

Analysis Info

Acq Time 2018-01-10 15:05 **Data File** P2 a cal 5-100ng.d
Sample Type Calibration **Sample Name** a cal 5-100ng
Dilution 1 **Acq Method** MDQ Panel 2a 3-12-17-3.m
Position P1-E5 **Sample Info**
Inj Vol -1 **Comment** AM 28-Panel 2

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Pseudoephedrine	Pseudoephedrine-D3	3.476	2576311	1074352	2.3980	97.6842
Levamisole	Cocaine-D3	3.724	454615	516117	0.8808	96.9007
Benzoylcegonine	Benzoylcegonine-d8	5.413	283841	4615	61.5084	187.2494 <i>Not evaluated</i>
Zopiclone	Zopiclone-D4	5.828	148764	58753	2.5320	99.4888
Cocaine	Cocaine-D3	5.932	1262273	516117	2.4457	97.0889
Methylphenidate	Methylphenidate-D4	5.965	1355479	508078	2.6679	103.7394
Metoprolol	Methylphenidate-D4	6.000	279914	508078	0.5509	113.2058
Ondansetron	Carbamazepine-13C6	6.036	881734	1521541	0.5795	108.2426
Mirtazapine	Carbamazepine-13C6	6.303	604852	1521541	0.3975	100.1097
Mitragynine	Doxepin-D3	6.871	70489	34234	2.0590	96.3244
Doxepin	Doxepin-D3	6.981	70223	34234	2.0512	100.0845
Carbamazepine	Carbamazepine-13C6	7.151	3020444	1521541	1.9851	112.8352
Protriptyline	Protriptyline-d3	7.229	80739	37050	2.1792	95.4963
Estazolam	Estazolam-D5	7.242	1537225	702536	2.1881	115.2997
Amitriptyline	Amitriptyline-D3	7.245	113381	18878	6.0060	118.3652
Maprotiline	Nortriptyline-d3	7.245	117389	29439	3.9875	93.2415
Nortriptyline	Nortriptyline-d3	7.249	54880	29439	1.8642	89.5043
alpha-hydroxymidazolam	alpha-hydroxymidazolam-D4	7.336	1156314	632187	1.8291	112.0020
Midazolam	Midazolam-D4	7.358	394357	499136	0.7901	100.3515

TS

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

a cal 5-100ng
J

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Chlordiazepoxide	Chlordiazepoxide-D5	7.381	645171	693170	0.9308	90.4460
Phenazepam	Phenazepam-D4	7.415	216785	41889	5.1752	100.8486
Prazepam	Prazepam-D5	7.640	3547365	1610901	2.2021	104.5427

TS

ISP FORENSICS - Pocatello Instrument # 59740

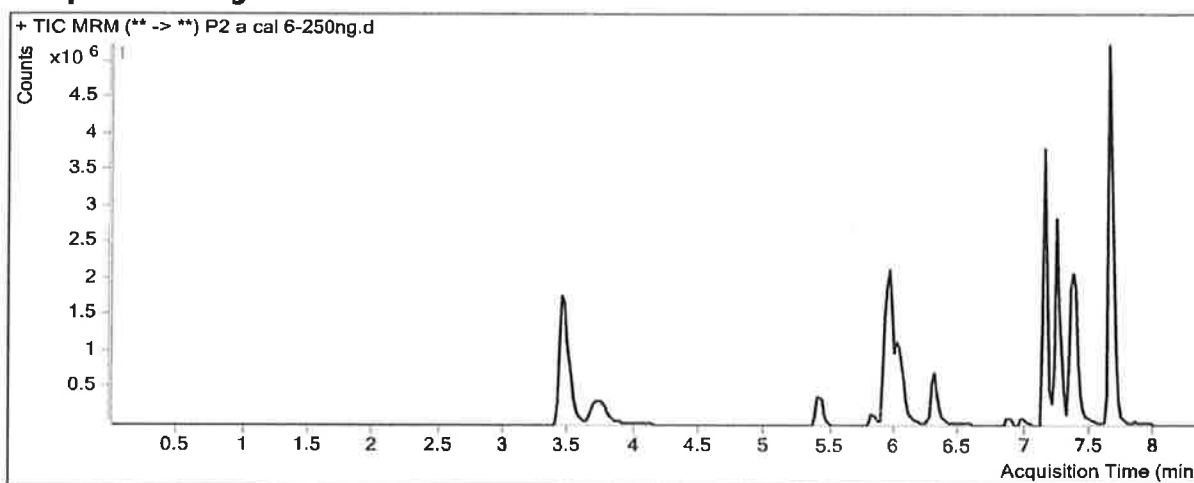
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\MDQ Panel 1 and 2 TS 010918\QuantResults\MDQ Panel 2a TS 010918.t
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Report Time 1/22/2018 9:40 AM **Reporter Name** ISPUser
Last Calib Update 1/19/2018 5:21 PM **Batch State** Processed

Analysis Info

Acq Time 2018-01-10 15:37 **Data File** P2 a cal 6-250ng.d
Sample Type Calibration **Sample Name** a cal 6-250ng
Dilution 1 **Acq Method** MDQ Panel 2a 3-12-17-3.m
Position P1-F5 **Sample Info**
Inj Vol -1 **Comment** AM 28-Panel 2

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Pseudoephedrine	Pseudoephedrine-D3	3.456	6739173	1126521	5.9823	242.6263
Levamisole	Cocaine-D3	3.704	1305011	516752	2.5254	276.2277
Benzoylcegonine	Benzoylcegonine-d8	5.413	800720	10584	75.6504	232.1502 <i>Not evaluated</i>
Zopiclone	Zopiclone-D4	5.808	321626	52268	6.1534	239.5369
Cocaine	Cocaine-D3	5.912	3065966	516752	5.9331	235.2907
Methylphenidate	Methylphenidate-D4	5.965	3551724	566764	6.2667	242.5659
Metoprolol	Methylphenidate-D4	5.980	659692	566764	1.1640	238.9186
Ondansetron	Carbamazepine-13C6	6.036	2126452	1568285	1.3559	250.3953
Mirtazapine	Carbamazepine-13C6	6.303	1652858	1568285	1.0539	262.1317
Mitragynine	Doxepin-D3	6.871	196922	34871	5.6471	261.6821
Doxepin	Doxepin-D3	6.981	188016	34871	5.3917	261.8501
Carbamazepine	Carbamazepine-13C6	7.151	6371086	1568285	4.0625	231.1287
Protriptyline	Protriptyline-d3	7.229	187502	32321	5.8013	251.2154
Estazolam	Estazolam-D5	7.242	3305804	740581	4.4638	235.2279
Amitriptyline	Amitriptyline-D3	7.245	278065	22460	12.3804	244.5032
Maprotiline	Nortriptyline-d3	7.245	287631	24454	11.7623	275.5117
Nortriptyline	Nortriptyline-d3	7.249	125393	24454	5.1277	245.6820
alpha-hydroxymidazolam	alpha-hydroxymidazolam-D4	7.336	2302588	582000	3.9563	243.0460
Midazolam	Midazolam-D4	7.358	957760	485581	1.9724	250.0048

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
Chlordiazepoxide	Chlordiazepoxide-D5	7.381	1273169	572005	2.2258	214.2632
Phenazepam	Phenazepam-D4	7.415	398146	32344	12.3099	239.8706
Prazepam	Prazepam-D5	7.640	8604458	1575984	5.4597	260.3157

TS

ISP FORENSICS - Pocatello Instrument # 59740

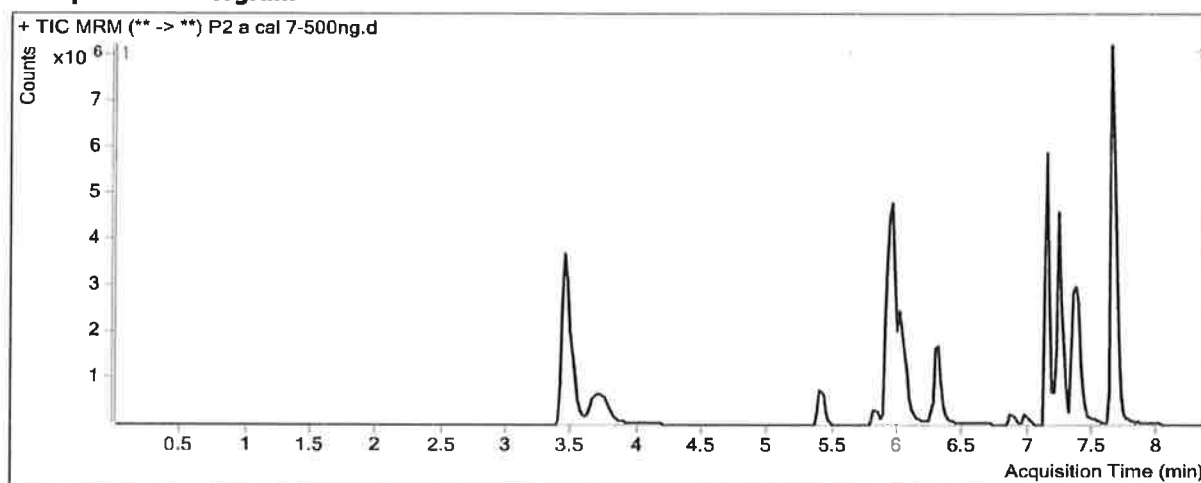
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\MDQ Panel 1 and 2 TS 010918\QuantResults\MDQ Panel 2a TS 010918.t
Analysis Time 1/19/2018 5:21 PM **Analyst Name** ISPUser
Report Time 1/22/2018 9:40 AM **Reporter Name** ISPUser
Last Calib Update 1/19/2018 5:21 PM **Batch State** Processed

Analysis Info

Acq Time 2018-01-10 16:08 **Data File** P2 a cal 7-500ng.d
Sample Type Calibration **Sample Name** a cal 7-500ng
Dilution 1 **Acq Method** MDQ Panel 2a 3-12-17-3.m
Position P1-G5 **Sample Info**
Inj Vol -1 **Comment** AM 28-Panel 2

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Pseudoephedrine	Pseudoephedrine-D3	3.456	14682645	1156772	12.6928	513.9874
Levamisole	Cocaine-D3	3.704	2939288	604316	4.8638	531.2125
Benzoylcegonine	Benzoylcegonine-d8	5.413	1536956	11354	135.3636	421.7396 <i>Not Evaluated</i>
Zopiclone	Zopiclone-D4	5.808	713886	55168	12.9403	501.9973
Cocaine	Cocaine-D3	5.912	7059456	604316	11.6817	463.0982
Methylphenidate	Methylphenidate-D4	5.965	8888435	683733	12.9999	502.3026
Metoprolol	Methylphenidate-D4	5.980	1335279	683733	1.9529	400.7074
Ondansetron	Carbamazepine-13C6	6.016	4415394	1364548	3.2358	594.5833
Mirtazapine	Carbamazepine-13C6	6.303	4090544	1364548	2.9977	741.9276
Mitragynine	Doxepin-D3	6.870	572763	51612	11.0974	512.8571
Doxepin	Doxepin-D3	6.961	546739	51612	10.5932	513.7367
Carbamazepine	Carbamazepine-13C6	7.151	10984884	1364548	8.0502	458.2105
Protriptyline	Protriptyline-d3	7.208	541521	45553	11.8876	512.8730
Estazolam	Estazolam-D5	7.242	5512544	601857	9.1592	482.6757
Amitriptyline	Amitriptyline-D3	7.245	815720	32156	25.3675	501.4974
Maprotiline	Nortriptyline-d3	7.245	838411	35106	23.8823	559.6543
Nortriptyline	Nortriptyline-d3	7.249	372851	35106	10.6207	508.5502
alpha-hydroxymidazolam	alpha-hydroxymidazolam-D4	7.336	3681683	490531	7.5055	461.6823
Midazolam	Midazolam-D4	7.358	1805426	458714	3.9358	498.5283

TS

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

a cal 7-500ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Chlordiazepoxide	Chlordiazepoxide-D5	7.381	1986810	344761	5.7629	552.4349
Phenazepam	Phenazepam-D4	7.415	597501	22914	26.0757	508.1019
Prazepam	Prazepam-D5	7.640	15350343	1456172	10.5416	503.3180

ISP FORENSICS - Pocatello Instrument # 59740

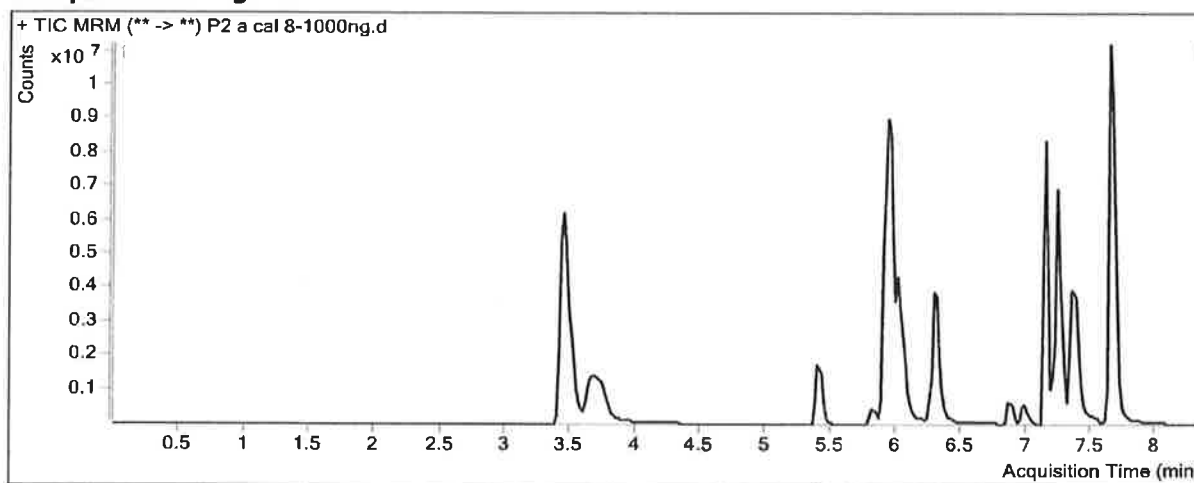
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\MDQ Panel 1 and 2 TS 010918\QuantResults\MDQ Panel 2a TS 010918.t
Analysis Time 1/19/2018 5:21 PM **Analyst Name** ISPUser
Report Time 1/22/2018 9:40 AM **Reporter Name** ISPUser
Last Calib Update 1/19/2018 5:21 PM **Batch State** Processed

Analysis Info

Acq Time 2018-01-10 16:40 **Data File** P2 a cal 8-1000ng.d
Sample Type Calibration **Sample Name** a cal 8-1000ng
Dilution 1 **Acq Method** MDQ Panel 2a 3-12-17-3.m
Position P1-H5 **Sample Info**
Inj Vol -1 **Comment** AM 28-Panel 2

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Pseudoephedrine	Pseudoephedrine-D3	3.456	27120171	1100204	24.6501	997.5232
Levamisole	Cocaine-D3	3.684	6341543	544506	11.6464	1270.7983
Benzoylcegonine	Benzoylcegonine-d8	5.413	3561659	6005	593.0917	1875.0261 <i>Not evaluated</i>
Zopiclone	Zopiclone-D4	5.808	1075245	41126	26.1453	1012.6650
Cocaine	Cocaine-D3	5.912	14456608	544506	26.5500	1052.3034
Methylphenidate	Methylphenidate-D4	5.965	17335399	663786	26.1160	1008.2643
Metoprolol	Methylphenidate-D4	5.980	2136126	663786	3.2181	660.1513
Ondansetron	Carbamazepine-13C6	6.016	8187634	1035811	7.9046	1449.3892
Mirtazapine	Carbamazepine-13C6	6.283	8374349	1035811	8.0848	1997.5951
Mitragynine	Doxepin-D3	6.871	1553863	73260	21.2102	978.9024
Doxepin	Doxepin-D3	6.981	1476150	73260	20.1494	976.5055
Carbamazepine	Carbamazepine-13C6	7.151	19122652	1035811	18.4615	1051.0826
Protriptyline	Protriptyline-d3	7.229	1458735	63105	23.1162	995.6022
Estazolam	Estazolam-D5	7.242	7805768	403724	19.3344	1018.9061
Amitriptyline	Amitriptyline-D3	7.245	2339844	49786	46.9983	929.5368
Maprotiline	Nortriptyline-d3	7.245	2368502	48498	48.8374	1144.6998
Nortriptyline	Nortriptyline-d3	7.249	1018992	48498	21.0111	1005.7832
alpha-hydroxymidazolam	alpha-hydroxymidazolam-D4	7.336	5143179	392923	13.0895	805.6703
Midazolam	Midazolam-D4	7.358	3064414	386739	7.9237	1003.2978

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
Chlordiazepoxide	Chlordiazepoxide-D5	7.381	2755252	240142	11.4734	1098.4106
Phenazepam	Phenazepam-D4	7.415	824143	18996	43.3848	845.3751
Prazepam	Prazepam-D5	7.640	23902488	1165258	20.5126	980.1116

TS

ISP FORENSICS - Pocatello Instrument # 59740

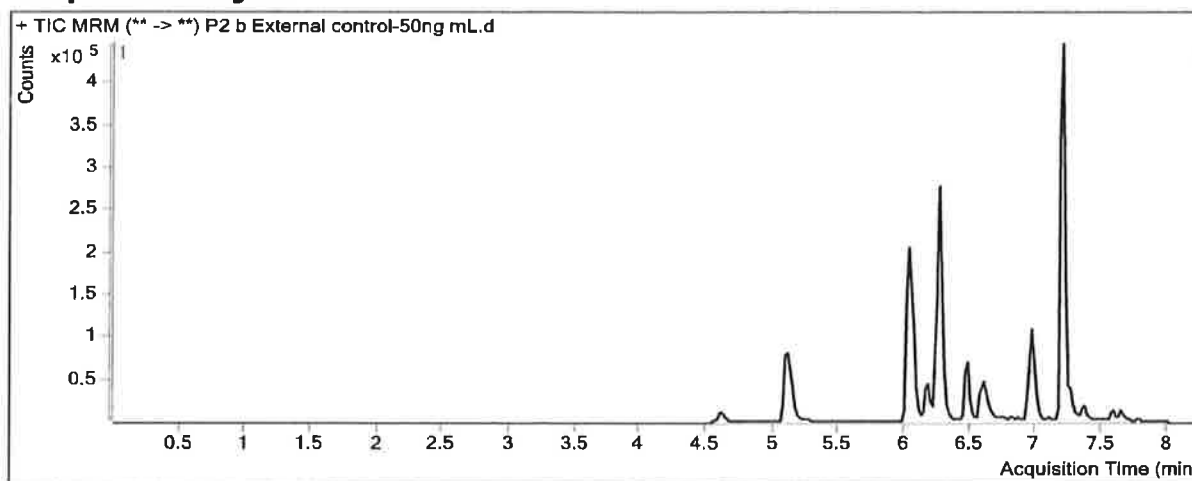
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\MDQ Panel 1 and 2 TS 010918\QuantResults\MDQ Panel 2b TS 010918.l
Analysis Time 1/22/2018 9:45 AM **Analyst Name** ISPUser
Report Time 1/22/2018 12:43 PM **Reporter Name** ISPUser
Last Calib Update 1/22/2018 9:45 AM **Batch State** Processed

Analysis Info

Acq Time 2018-01-10 18:14 **Data File** P2 b External control-50ng mL.d
Sample Type Sample **Sample Name** b External control-50ng mL
Dilution 1 **Acq Method** MDQ Panel 2b 3-12-17-2.m
Position P1-E6 **Sample Info**
Inj Vol -1 **Comment** AM 28; WS010918 50 ng flunitrazepam, zopiclone, cocaine

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
MDMA	MDMA-D6	4.628	481	47924	0.0100	0.9097 <5
MDEA	MDEA-D6	5.107	544	305014	0.0018	1.7602 <5
Primidone	MDEA-D6	5.855	79	305014	0.0003	0.5159 <5
Tapentadol	Tapentadol-D3	6.040	1782	649367	0.0027	1.5607 <5
7-aminoflunitrazepam	7-aminoflunitrazepam-D7	6.272	972	671777	0.0014	0.0000
Normeperidine	Normeperidine-D4	6.281	1210	147075	0.0082	0.5168 <5
Pentazocine	Pentazocine-13C3	6.470	867	210593	0.0041	0.7726 <5
Phencyclidine	Phencyclidine-D5	6.642	1066	195854	0.0054	1.7171 <5
Flurazepam	Propoxyphene-D11	6.972	1462	21959	0.0666	0.9080 <5
Zaleplon	Zaleplon-D4	6.958	1253	273411	0.0046	2.0338 <5
Phenytoin	Phenytoin-D10	7.028	354	27271	0.0130	2.0677 <5
Verapamil	Propoxyphene-D11	7.092	2915	21959	0.1327	1.4816 <5
Amoxapine	Zaleplon-D4	7.178	23643	273411	0.0865	31.2253 - Ratio does not meet standard
Propoxyphene	Propoxyphene-D11	7.195	2242	21959	0.1021	0.7715 <5
Flunitrazepam	Flunitrazepam-D7	7.198	674374	156460	4.3102	50.1398
Imipramine	Imipramine-D3	7.206	1140	51026	0.0223	1.6800 <5
Desipramine	Desipramine-D3	7.228	2165	47113	0.0459	1.9180 <5
Trimipramine	Trimipramine-D3	7.265	960	57163	0.0168	2.2223 <5
Clomipramine	Clomipramine-D3	7.359	922	38162	0.0242	0.5130 <5
Norpropoxyphene	Norpropoxyphene-D5	7.564	189	33939	0.0056	0.2733 <5

ISP FORENSICS - Pocatello Instrument # 59740

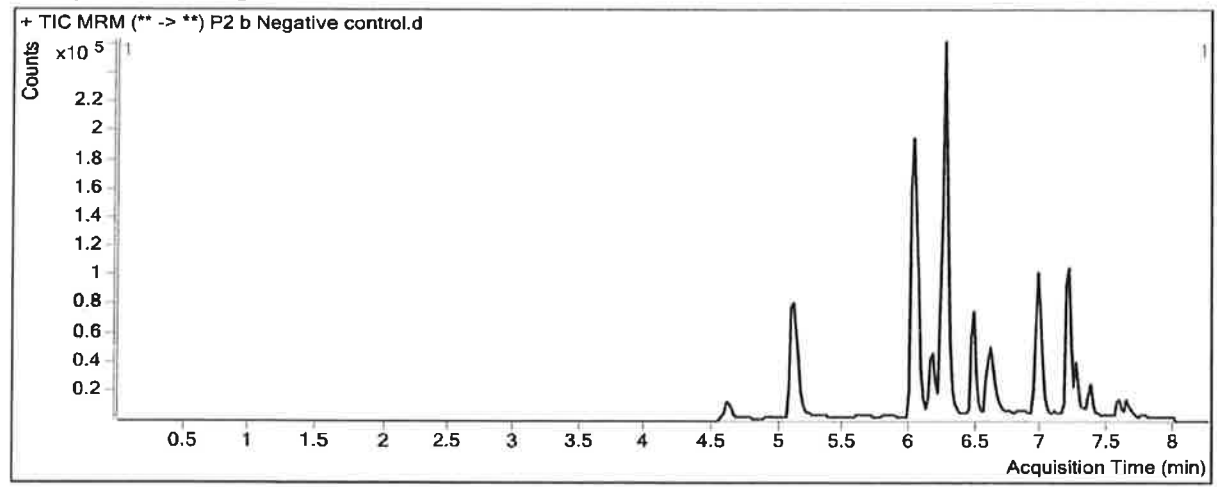
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\MDQ Panel 1 and 2 TS 010918\QuantResults\MDQ Panel 2b TS 010918.l
Analysis Time 1/22/2018 9:45 AM **Analyst Name** ISPUser
Report Time 1/22/2018 12:43 PM **Reporter Name** ISPUser
Last Calib Update 1/22/2018 9:45 AM **Batch State** Processed

Analysis Info

Acq Time 2018-01-10 17:43 **Data File** P2 b Negative control.d
Sample Type Sample **Sample Name** b Negative control
Dilution 1 **Acq Method** MDQ Panel 2b 3-12-17-2.m
Position P1-F6 **Sample Info**
Inj Vol -1 **Comment** AM 28-Panel 2

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
MDMA	MDMA-D6	4.608	566	48344	0.0117	0.9227 <5
MDEA	MDEA-D6	5.147	692	302738	0.0023	1.7878 <5
Primidone	MDEA-D6	5.590	73	302738	0.0002	0.5112 <5
Tapentadol	Tapentadol-D3	6.040	2523	636744	0.0040	1.6017 <5
Meperidine	Meperidine-D4	6.136	878	163194	0.0054	0.5454 <5
7-aminoflunitrazepam	7-aminoflunitrazepam-D7	6.272	889	600240	0.0015	0.0000
Normeperidine	Normeperidine-D4	6.281	1495	154221	0.0097	0.5624 <5
Pentazocine	Pentazocine-13C3	6.470	948	217513	0.0044	0.7846 <5
Phencyclidine	Phencyclidine-D5	6.622	769	202406	0.0038	1.6345 <5
Flurazepam	Propoxyphene-D11	6.952	1473	25703	0.0573	0.8397 <5
Zaleplon	Zaleplon-D4	6.978	2473	252923	0.0098	2.1390 <5
Phenytoin	Phenytoin-D10	7.006	117	26562	0.0044	1.7955 <5
Verapamil	Propoxyphene-D11	7.092	3203	25703	0.1246	1.4136 <5
Amoxapine	Zaleplon-D4	7.157	518	252923	0.0020	0.0000
Propoxyphene	Propoxyphene-D11	7.195	2989	25703	0.1163	0.8848 <5
Flunitrazepam	Flunitrazepam-D7	7.198	2234	160942	0.0139	0.6455 <5
Imipramine	Imipramine-D3	7.226	3068	58261	0.0527	3.1321 <5
Desipramine	Desipramine-D3	7.228	1475	55606	0.0265	1.0811 <5
Trimipramine	Trimipramine-D3	7.285	1332	74828	0.0178	2.2799 <5
Clomipramine	Clomipramine-D3	7.359	1940	48022	0.0404	1.2905 <5

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

b Negative Control

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Norpropoxyphene	Norpropoxyphene-D5	7.605	707	32310	0.0219	1.1035 25

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ISP FORENSICS - Pocatello Instrument # 59740

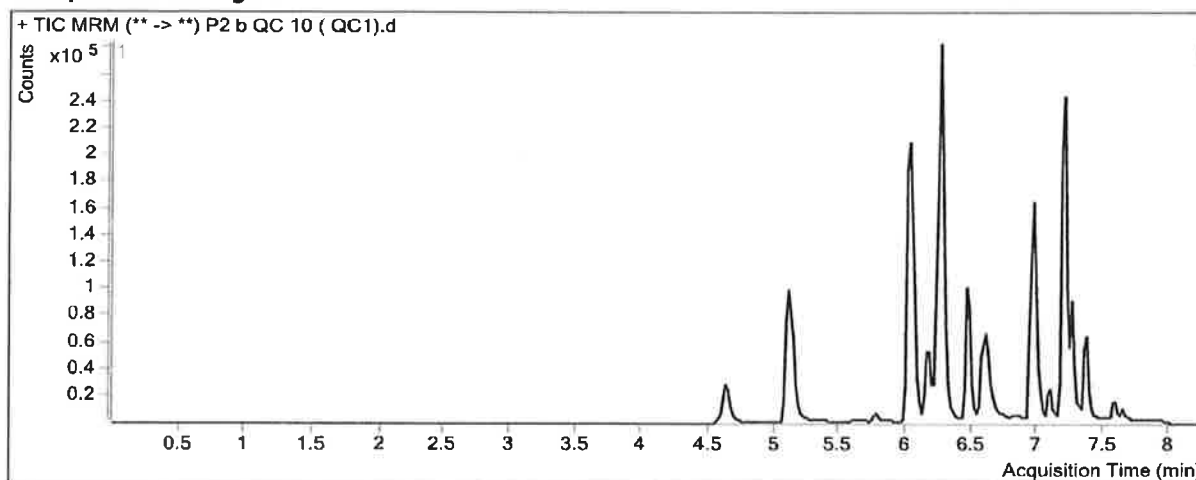
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\MDQ Panel 1 and 2 TS 010918\QuantResults\MDQ Panel 2b TS 010918.t
Analysis Time 1/22/2018 9:45 AM **Analyst Name** ISPUser
Report Time 1/22/2018 12:43 PM **Reporter Name** ISPUser
Last Calib Update 1/22/2018 9:45 AM **Batch State** Processed

Analysis Info

Acq Time 2018-01-10 19:17 **Data File** P2 b QC 10 (QC1).d
Sample Type QC **Sample Name** b QC 10 (QC1)
Dilution 1 **Acq Method** MDQ Panel 2b 3-12-17-2.m
Position P1-A6 **Sample Info**
Inj Vol -1 **Comment** AM 28-Panel 2

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
MDMA	MDMA-D6	4.628	48726	41323	1.1792	10.0280
MDEA	MDEA-D6	5.107	45699	294319	0.1553	10.2035
Primidone	MDEA-D6	5.772	9975	294319	0.0339	8.6068
Tapentadol	Tapentadol-D3	6.040	137350	499709	0.2749	10.7242
Meperidine	Meperidine-D4	6.176	30127	155362	0.1939	10.1728
7-aminoflunitrazepam	7-aminoflunitrazepam-D7	6.272	98869	538972	0.1834	10.0550
Normeperidine	Normeperidine-D4	6.261	49195	157914	0.3115	9.9080
Pentazocine	Pentazocine-13C3	6.450	42804	214916	0.1992	10.3223
Phencyclidine	Phencyclidine-D5	6.602	39679	216550	0.1832	10.6734
Flurazepam	Propoxyphene-D11	6.952	35447	30873	1.1482	8.8799
Zaleplon	Zaleplon-D4	6.958	93546	214038	0.4371	10.7991
Phenytoin	Phenytoin-D10	7.006	6231	20398	0.3055	11.3712
Verapamil	Propoxyphene-D11	7.092	41261	30873	1.3365	11.5503
Amoxapine	Zaleplon-D4	7.157	8719	214038	0.0407	13.5913
Propoxyphene	Propoxyphene-D11	7.195	40900	30873	1.3248	10.5126
Flunitrazepam	Flunitrazepam-D7	7.198	119573	141851	0.8430	10.1965
Imipramine	Imipramine-D3	7.186	21569	107463	0.2007	10.2227
Desipramine	Desipramine-D3	7.228	28870	126837	0.2276	9.7432
Trimipramine	Trimipramine-D3	7.265	20828	139930	0.1488	9.7619
Clomipramine	Clomipramine-D3	7.359	26446	112058	0.2360	10.6628

TS

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

b qc 10

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Norpropoxyphene	Norpropoxyphene-D5	7.564	5948	29595	0.2010	10.2249

TS

ISP FORENSICS - Pocatello Instrument # 59740

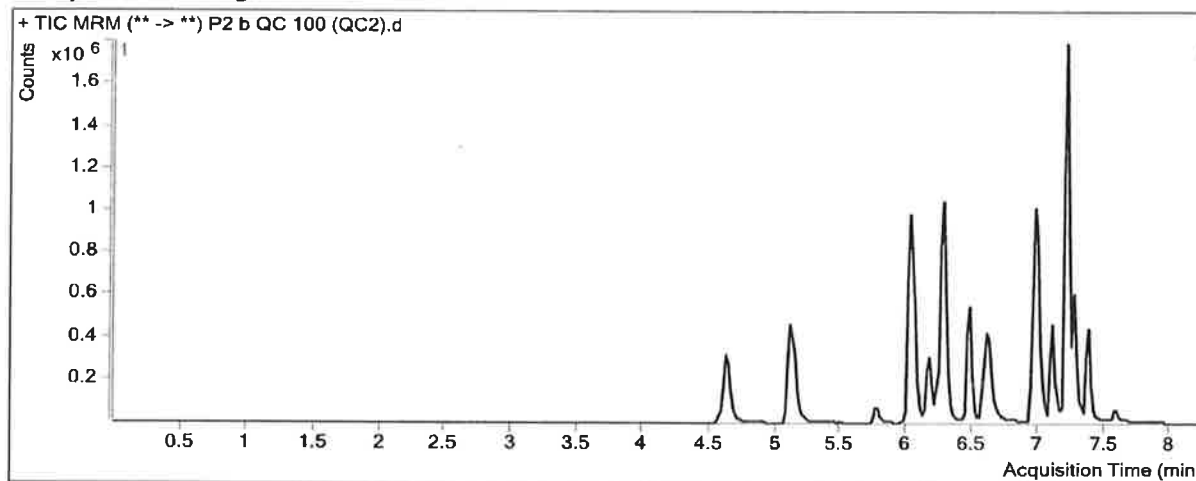
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\MDQ Panel 1 and 2 TS 010918\QuantResults\MDQ Panel 2b TS 010918.t
Analysis Time 1/22/2018 9:45 AM **Analyst Name** ISPUser
Report Time 1/22/2018 12:43 PM **Reporter Name** ISPUser
Last Calib Update 1/22/2018 9:45 AM **Batch State** Processed

Analysis Info

Acq Time 2018-01-10 20:51 **Data File** P2 b QC 100 (QC2).d
Sample Type QC **Sample Name** b QC 100 (QC2)
Dilution 1 **Acq Method** MDQ Panel 2b 3-12-17-2.m
Position P1-B6 **Sample Info**
Inj Vol -1 **Comment** AM 28-Panel 2

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
MDMA	MDMA-D6	4.608	751945	60349	12.4598	98.0090
MDEA	MDEA-D6	5.107	703585	414553	1.6972	95.0262
Primidone	MDEA-D6	5.772	137090	414553	0.3307	80.0084
Tapentadol	Tapentadol-D3	6.040	1837488	662615	2.7731	94.8523
Meperidine	Meperidine-D4	6.176	464793	225240	2.0635	105.6436
7-aminoflunitrazepam	7-aminoflunitrazepam-D7	6.272	1243423	681635	1.8242	105.6050
Normeperidine	Normeperidine-D4	6.281	794098	250738	3.1670	98.3221
Pentazocine	Pentazocine-13C3	6.470	689323	349710	1.9711	97.0766
Phencyclidine	Phencyclidine-D5	6.602	726641	372275	1.9519	99.7692
Flurazepam	Propoxyphene-D11	6.952	680396	66044	10.3021	76.3495
Zaleplon	Zaleplon-D4	6.978	1011868	228528	4.4278	91.6828
Phenytoin	Phenytoin-D10	7.006	75014	24904	3.0122	97.4587
Verapamil	Propoxyphene-D11	7.092	836031	66044	12.6587	106.2534
Amoxapine	Zaleplon-D4	7.157	129479	228528	0.5666	216.3261
Propoxyphene	Propoxyphene-D11	7.195	792450	66044	11.9988	95.5498
Flunitrazepam	Flunitrazepam-D7	7.198	1071098	129758	8.2546	95.5795
Imipramine	Imipramine-D3	7.206	418973	208456	2.0099	96.8712
Desipramine	Desipramine-D3	7.228	535856	227006	2.3605	101.6175
Trimipramine	Trimipramine-D3	7.265	467564	289020	1.6178	93.6307
Clomipramine	Clomipramine-D3	7.359	459851	202328	2.2728	108.2490

TS

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

b qc 100

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Norpropoxyphene	Norpropoxyphene-D5	7.564	91183	44322	2.0573	104.7662

ISP FORENSICS - Pocatello Instrument # 59740

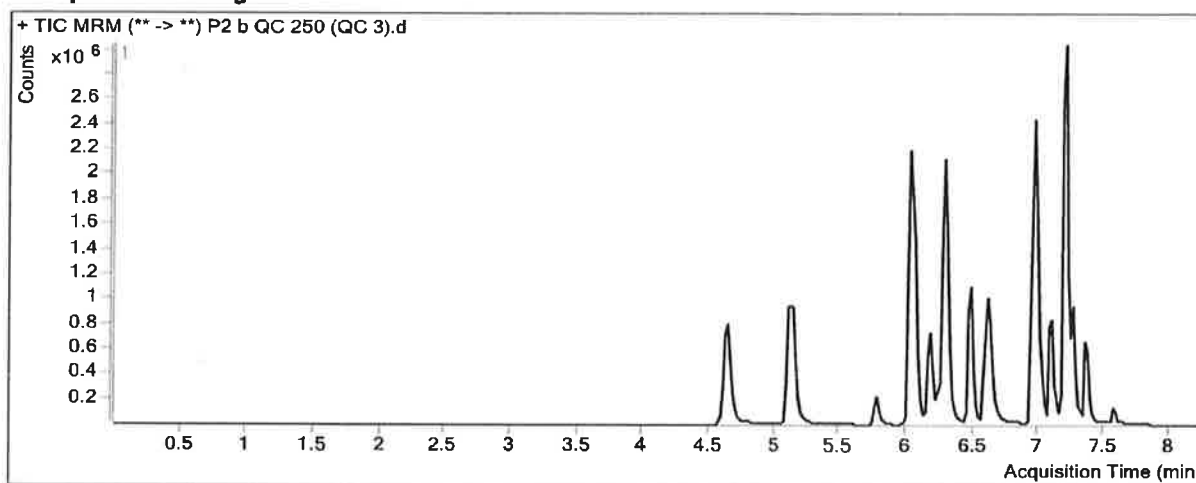
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\MDQ Panel 1 and 2 TS 010918\QuantResults\MDQ Panel 2b TS 010918.l
Analysis Time 1/22/2018 9:45 AM **Analyst Name** ISPUser
Report Time 1/22/2018 12:43 PM **Reporter Name** ISPUser
Last Calib Update 1/22/2018 9:45 AM **Batch State** Processed

Analysis Info

Acq Time 2018-01-10 22:09 **Data File** P2 b QC 250 (QC 3).d
Sample Type QC **Sample Name** b QC 250 (QC 3)
Dilution 1 **Acq Method** MDQ Panel 2b 3-12-17-2.m
Position P1-C6 **Sample Info**
Inj Vol -1 **Comment** AM 28-Panel 2

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
MDMA	MDMA-D6	4.628	2021529	62589	32.2982	252.7337
MDEA	MDEA-D6	5.127	1776327	450671	3.9415	218.4859
Primidone	MDEA-D6	5.772	373758	450671	0.8293	199.9672
Tapentadol	Tapentadol-D3	6.040	4692665	662440	7.0839	240.0202
Meperidine	Meperidine-D4	6.176	1289080	239123	5.3909	275.5499
7-aminoflunitrazepam	7-aminoflunitrazepam-D7	6.272	3040618	699984	4.3438	252.3401
Normeperidine	Normeperidine-D4	6.281	1785291	221267	8.0685	250.0836
Pentazocine	Pentazocine-13C3	6.470	1639288	313782	5.2243	256.3501
Phencyclidine	Phencyclidine-D5	6.602	1776065	360109	4.9320	249.8925
Flurazepam	Propoxyphene-D11	6.952	1588616	53886	29.4812	217.7097
Zaleplon	Zaleplon-D4	6.958	2540938	219559	11.5729	236.5001
Phenytoin	Phenytoin-D10	7.006	203668	24394	8.3490	267.1981
Verapamil	Propoxyphene-D11	7.092	1646365	53886	30.5529	255.9279
Amoxapine	Zaleplon-D4	7.157	225602	219559	1.0275	394.0374
Propoxyphene	Propoxyphene-D11	7.195	1675767	53886	31.0985	247.7129
Flunitrazepam	Flunitrazepam-D7	7.178	2121749	103120	20.5756	237.5197
Imipramine	Imipramine-D3	7.186	765748	151196	5.0646	243.1737
Desipramine	Desipramine-D3	7.208	932743	154303	6.0449	260.3181
Trimipramine	Trimipramine-D3	7.265	859688	206954	4.1540	238.4406
Clomipramine	Clomipramine-D3	7.339	803119	137212	5.8531	279.7882

TS

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

bqc 250
~~b qc 1000~~ TS

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Norpropoxyphene	Norpropoxyphene-D5	7.544	216591	38576	5.6146	285.9399

ISP FORENSICS - Pocatello Instrument # 59740

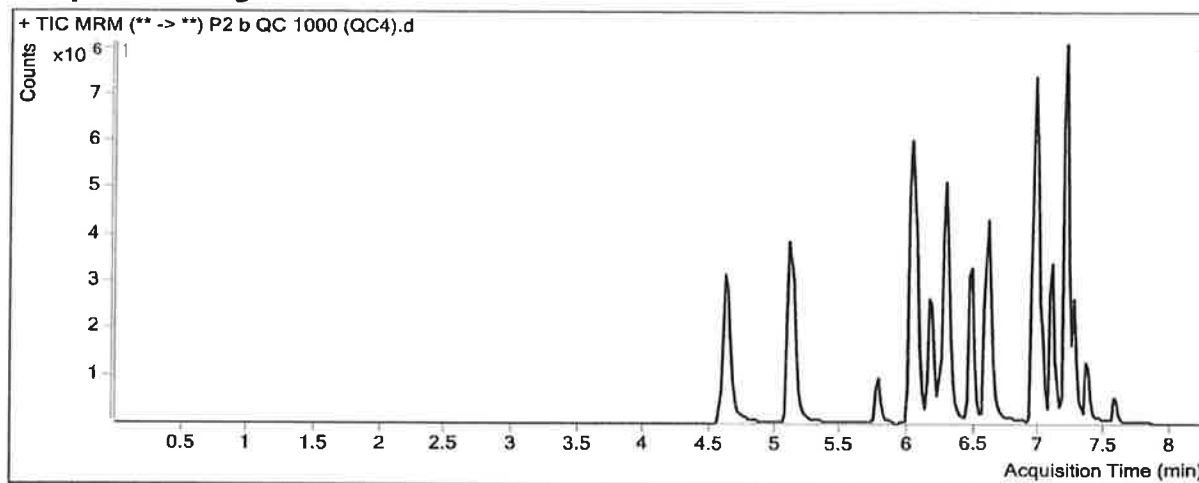
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\MDQ Panel 1 and 2 TS 010918\QuantResults\MDQ Panel 2b TS 010918.t
Analysis Time 1/22/2018 9:45 AM **Analyst Name** ISPUser
Report Time 1/22/2018 12:43 PM **Reporter Name** ISPUser
Last Calib Update 1/22/2018 9:45 AM **Batch State** Processed

Analysis Info

Acq Time 2018-01-10 23:44 **Data File** P2 b QC 1000 (QC4).d
Sample Type QC **Sample Name** b QC 1000 (QC4)
Dilution 1 **Acq Method** MDQ Panel 2b 3-12-17-2.m
Position P1-D6 **Sample Info**
Inj Vol -1 **Comment** AM 28-Panel 2

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
MDA	MDA-D5	4.678	15240	117	129.9773	Not evaluated
MDMA	MDMA-D6	4.608	8576696	64629	132.7073	1035.8494
MDEA	MDEA-D6	5.107	8212564	430801	19.0635	1050.3498
Primidone	MDEA-D6	5.772	1657360	430801	3.8472	925.9660
Tapentadol	Tapentadol-D3	6.040	16016441	519120	30.8531	1040.4509
Meperidine	Meperidine-D4	6.155	4849895	239530	20.2476	1034.1921
7-aminoflunitrazepam	7-aminoflunitrazepam-D7	6.272	9488378	630713	15.0439	875.4688
Normeperidine	Normeperidine-D4	6.261	5034792	156779	32.1139	994.5936
Pentazocine	Pentazocine-13C3	6.470	5801676	259588	22.3496	1094.7961
Phencyclidine	Phencyclidine-D5	6.602	7537167	365018	20.6488	1041.6195
Flurazepam	Propoxyphene-D11	6.952	6545242	48840	134.0134	988.1705
Zaleplon	Zaleplon-D4	6.958	8198699	158323	51.7846	1051.5098
★ Phenytoin	Phenytoin-D10	7.006	966797	21441	39.5558	1259.7435 ★
Verapamil	Propoxyphene-D11	7.092	6303276	48840	129.0592	1079.8754
↓ Amoxapine	Zaleplon-D4	7.157	522049	158323	3.2974	1269.1570 ★
Propoxyphene	Propoxyphene-D11	7.195	6089780	48840	124.6879	993.3187
Flunitrazepam	Flunitrazepam-D7	7.198	4674504	47964	97.4587	1123.2233
Imipramine	Imipramine-D3	7.186	2234284	107898	20.7074	992.3712
Desipramine	Desipramine-D3	7.228	2306416	93231	24.7387	1065.5417
Trimipramine	Trimipramine-D3	7.265	2543987	144925	17.5539	1003.5172

★ Outside Curve Range ★

TS

ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report b q/c 1000

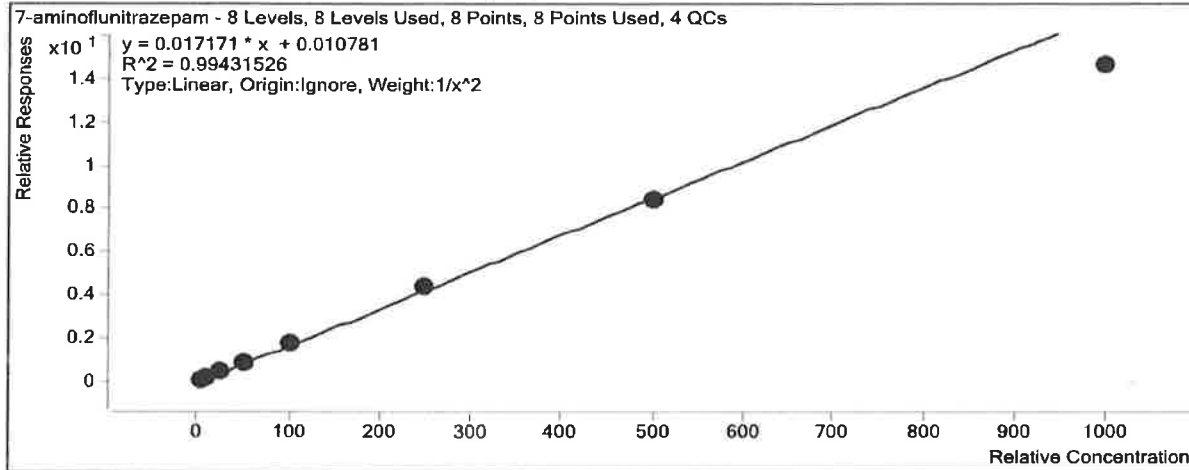
Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clomipramine	Clomipramine-D3	7.339	1755486	72252	24.2967	1163.4524
★ Norpropoxyphene	Norpropoxyphene-D5	7.564	1165389	46003	25.3329	1290.1820 ★

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\MDQ Panel 1 and 2 TS 010918\QuantResults\MDQ Panel 2b TS 010918.batch.bin
Last Calib Update 1/22/2018 9:45 AM **Analyst Name** ISP TOX

Target Compound 7-aminoflunitrazepam
Internal Standard 7-aminoflunitrazepam-D7



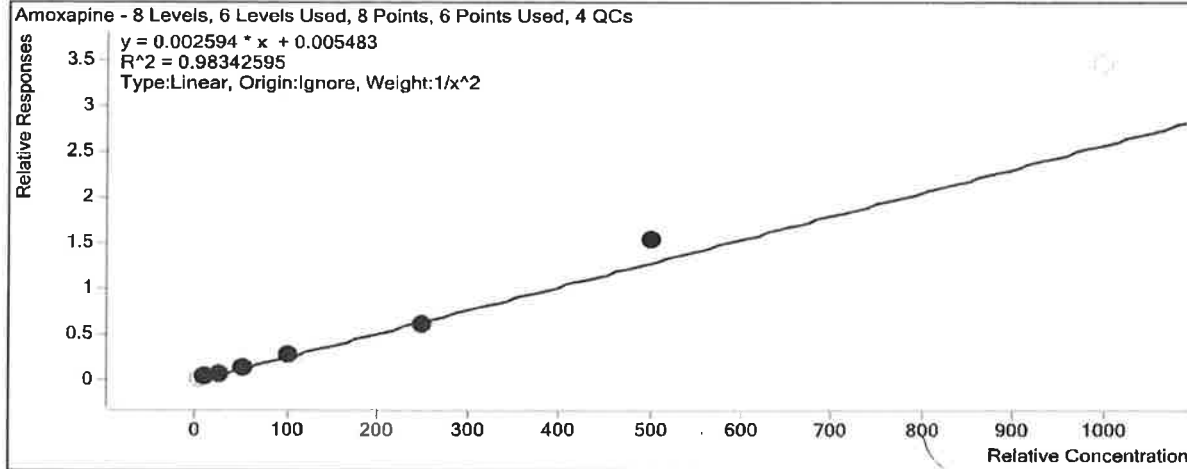
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b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.3	102.9
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.1	100.5
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.2	104.6
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.4	104.8
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	104.6	104.6
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	105.6	105.6
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	255.5	102.2
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	252.3	100.9
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	492.1	98.4
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	854.8	85.5
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	875.5	87.5

ISP Forensics Calibration Curve Report

R

Batch Data Path C:\MassHunter\Data\2018\MD Quant\MDQ Panel 1 and 2 TS 010918\QuantResults\MDQ Panel 2b TS 010918.batch.bin
Last Calib Update 1/22/2018 9:45 AM **Analyst Name** ISP TOX

Target Compound Amoxapine
Internal Standard Zaleplon-D4



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input type="checkbox"/>	5	6.6	132.1
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.5	104.8
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	13.6	135.9
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.2	92.9
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	44.6	89.3
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.6	100.6
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	216.3	216.3
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	234.3	93.7
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	394.0	157.6
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	593.8	118.8
b cal 8-1000ng	8	<input type="checkbox"/>	1000	1336.3	133.6
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1269.2	126.9

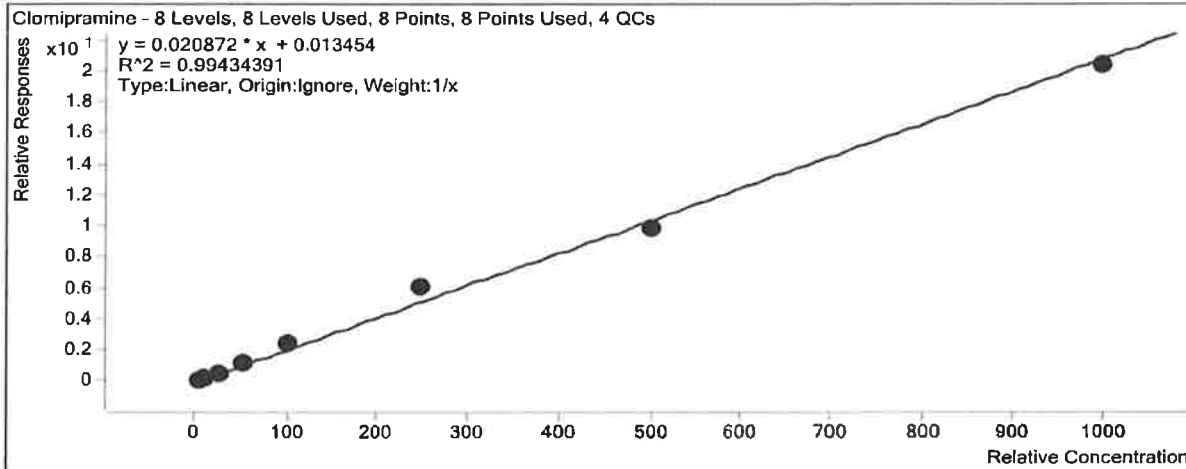
Outside curve range

15

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\MDQ Panel 1 and 2 TS 010918\QuantResults\MDQ Panel 2b TS 010918.batch.bin
Last Calib Update 1/22/2018 9:45 AM **Analyst Name** ISP TOX

Target Compound Clomipramine
Internal Standard Clomipramine-D3



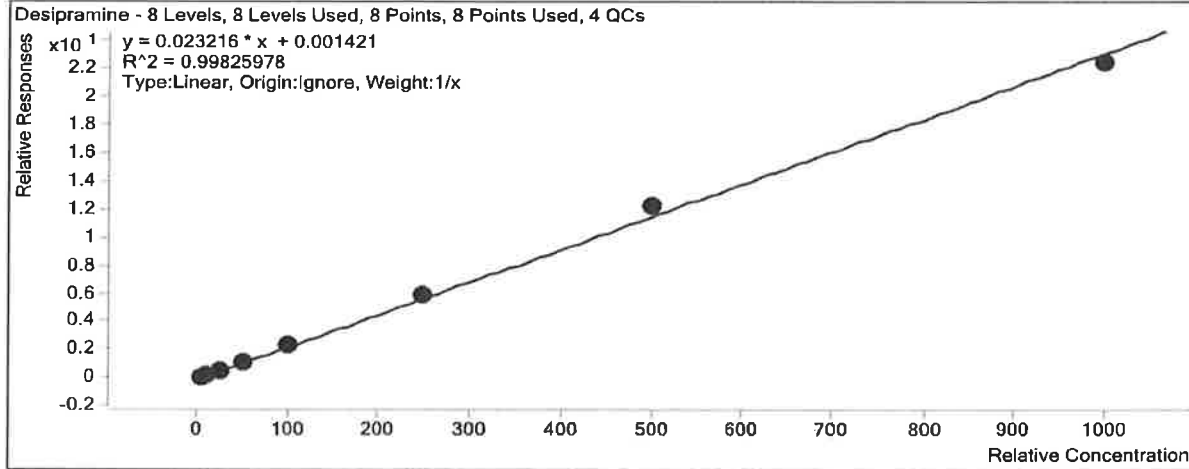
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b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	3.9	77.1
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	101.0
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.7	106.6
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.2	96.9
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.1	104.3
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	113.0	113.0
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	108.2	108.2
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	288.6	115.5
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	279.8	111.9
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	474.1	94.8
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	973.9	97.4
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1163.5	116.3

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\MDQ Panel 1 and 2 TS 010918\QuantResults\MDQ Panel 2b TS 010918.batch.bin
Last Calib Update 1/22/2018 9:45 AM **Analyst Name** ISP TOX

Target Compound *Desipramine*
Internal Standard *Desipramine-D3*



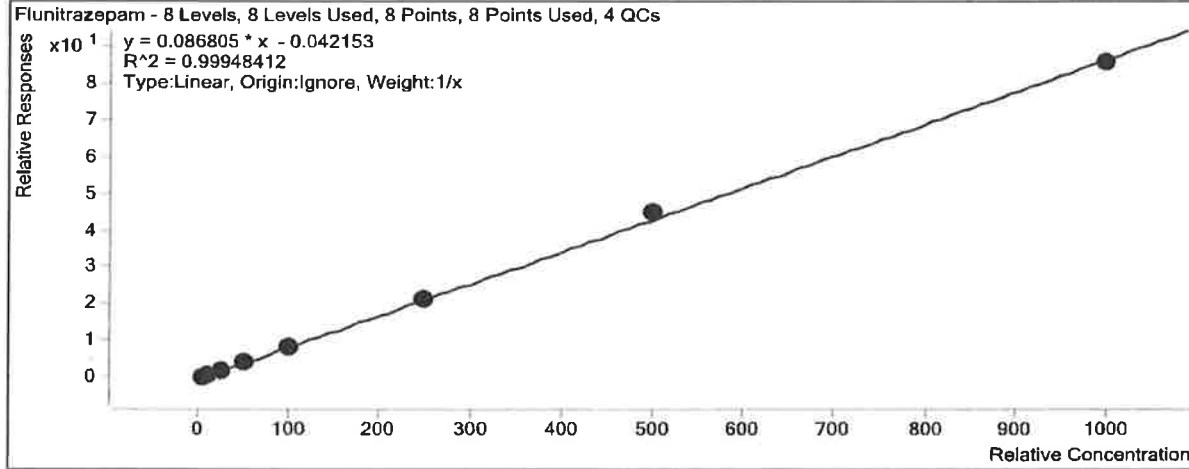
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b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	96.1
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.7	97.4
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.6	98.5
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.8	97.7
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.8	101.8
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	101.6	101.6
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	254.9	102.0
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	260.3	104.1
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	529.4	105.9
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	965.7	96.6
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1065.5	106.6

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\MDQ Panel 1 and 2 TS 010918\QuantResults\MDQ Panel 2b TS 010918.batch.bin
Last Calib Update 1/22/2018 9:45 AM **Analyst Name** ISP TOX

Target Compound Flunitrazepam
Internal Standard Flunitrazepam-D7



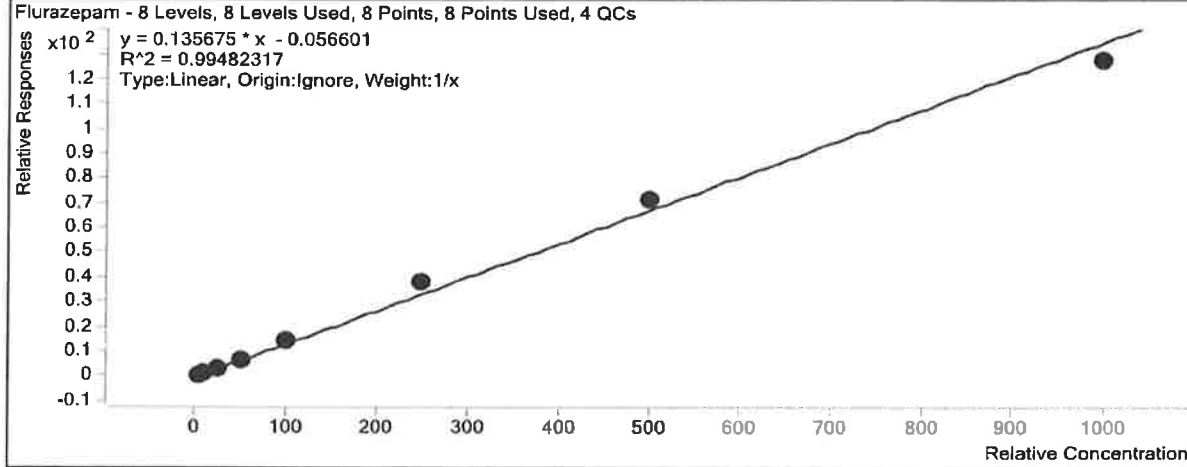
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b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	99.5
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.2	102.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.9	95.5
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.8	103.7
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.3	98.3
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	95.6	95.6
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	248.8	99.5
b QC 250 (QC3)	6	<input checked="" type="checkbox"/>	250	237.5	95.0
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	516.6	103.3
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	985.6	98.6
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1123.2	112.3

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\MDQ Panel 1 and 2 TS 010918\QuantResults\MDQ Panel 2b TS 010918.batch.bin
Last Calib Update 1/22/2018 9:45 AM **Analyst Name** ISP TOX

Target Compound *Flurazepam*
Internal Standard *Propoxyphene-D11*



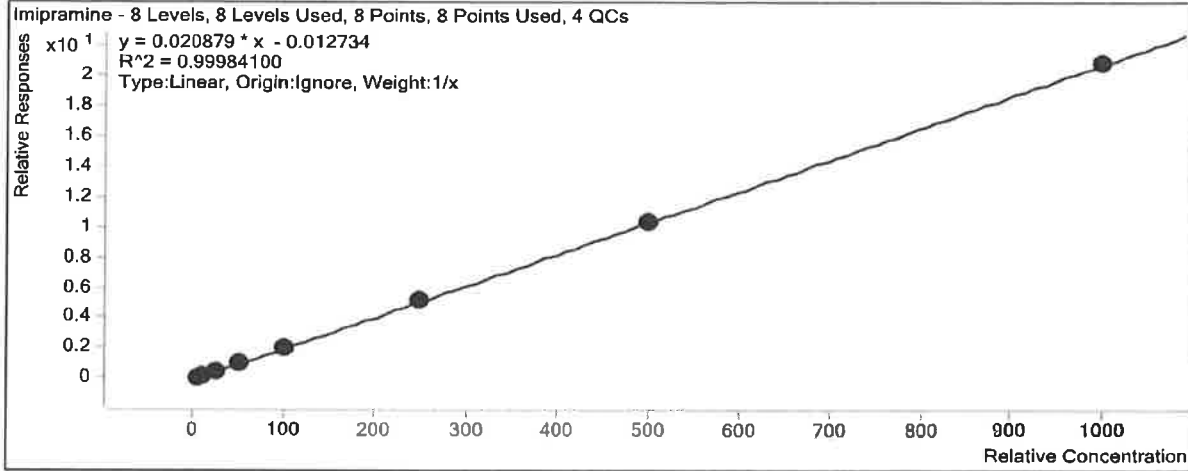
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b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.4	93.9
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	8.9	88.8
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.4	97.5
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.1	96.1
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	107.9	107.9
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	76.3	76.3
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	279.3	111.7
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	217.7	87.1
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	526.4	105.3
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	939.9	94.0
b QC 1000 (QC4)	8	<input type="checkbox"/>	1000	988.2	98.8

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\MDQ Panel 1 and 2 TS 010918\QuantResults\MDQ Panel 2b TS 010918.batch.bin
Last Calib Update 1/22/2018 9:45 AM **Analyst Name** ISP TOX

Target Compound Imipramine
Internal Standard Imipramine-D3



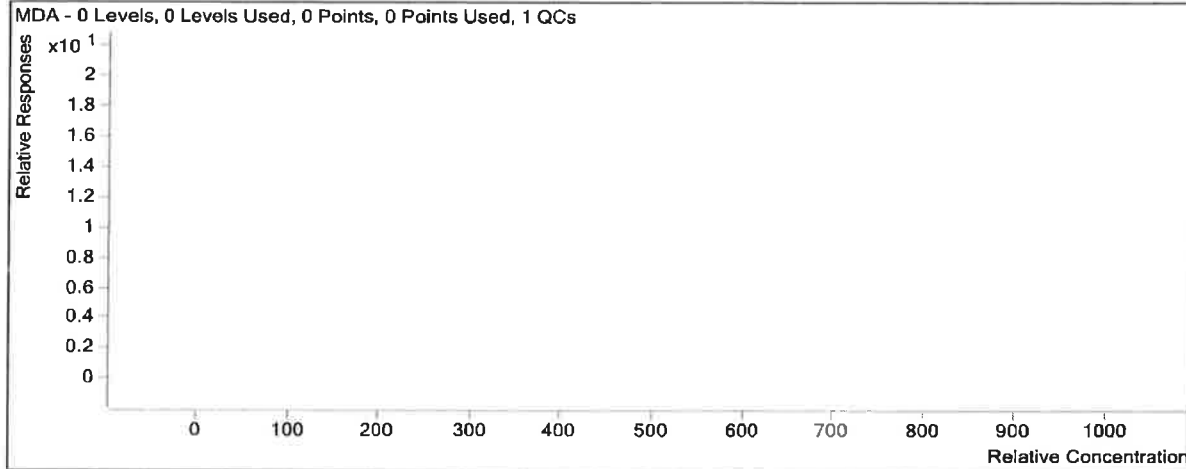
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
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b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	100.8
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.2	102.2
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.9	91.7
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.0	97.9
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.6	99.6
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	96.9	96.9
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	253.3	101.3
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	243.2	97.3
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	501.3	100.3
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	998.5	99.8
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	992.4	99.2

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\MDQ Panel 1 and 2 TS 010918\QuantResults\MDQ Panel 2b TS 010918.batch.bin
Last Calib Update 1/22/2018 9:45 AM **Analyst Name** ISP TOX

Target Compound MDA
Internal Standard MDA-D5



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	0.0	0.0
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	0.0	0.0
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	0.0	0.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	0.0	0.0
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	0.0	0.0
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	0.0	0.0
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	0.0	0.0
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	0.0	0.0
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	0.0	0.0
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	0.0	0.0
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	0.0	0.0
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	0.0	0.0

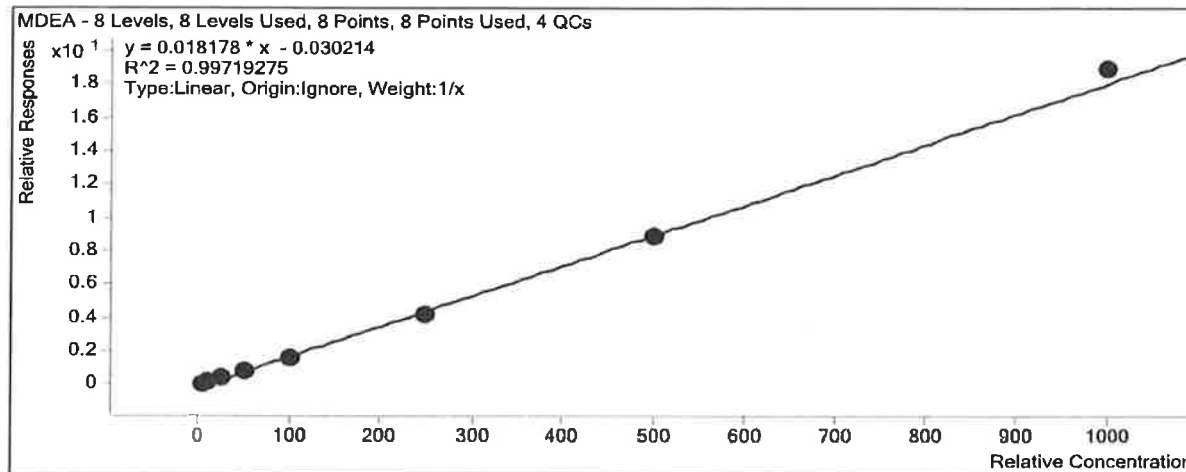
• Compound not evaluated •

TS

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\MDQ Panel 1 and 2 TS 010918\QuantResults\MDQ Panel 2b TS 010918.batch.bin
Last Calib Update 1/22/2018 9:45 AM **Analyst Name** ISP TOX

Target Compound MDEA
Internal Standard MDEA-D6



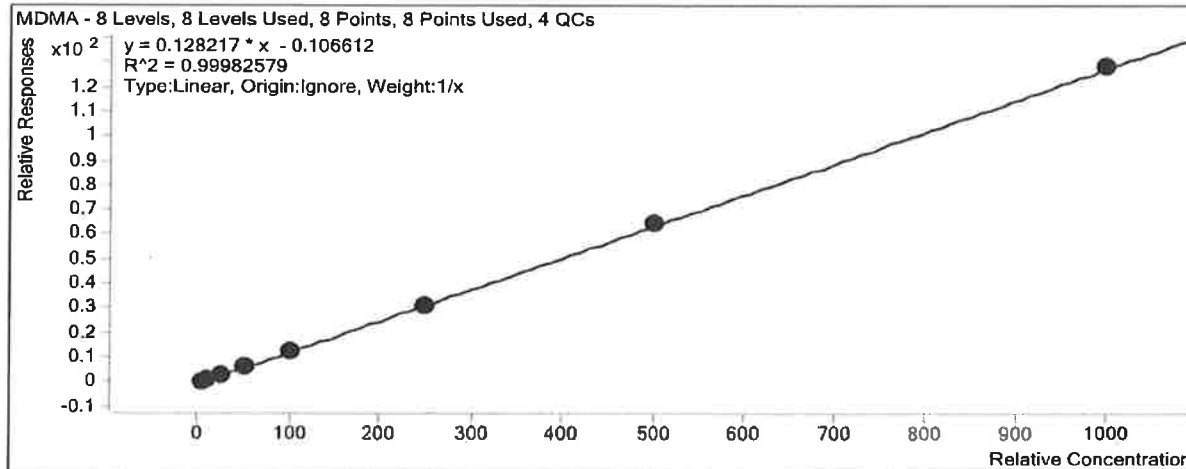
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	6.1	122.3
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	11.1	110.6
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.2	102.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.4	89.6
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.5	92.9
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	88.9	88.9
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	95.0	95.0
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	234.1	93.6
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	218.5	87.4
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	490.3	98.1
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1040.7	104.1
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1050.3	105.0

ISP Forensics Calibration Curve Report

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Batch Data Path C:\MassHunter\Data\2018\MD Quant\MDQ Panel 1 and 2 TS 010918\QuantResults\MDQ Panel 2b TS 010918.batch.bin
Last Calib Update 1/22/2018 9:45 AM **Analyst Name** ISP TOX

Target Compound MDMA
Internal Standard MDMA-D6



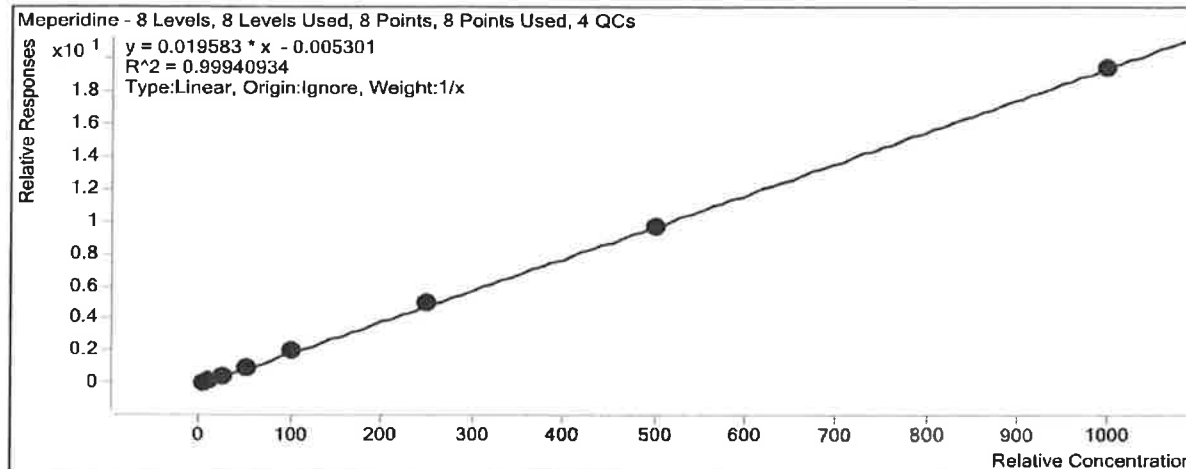
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.3	106.0
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	101.1
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.0	100.3
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.7	95.0
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.5	99.0
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.0	100.0
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	98.0	98.0
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	244.0	97.6
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	252.7	101.1
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	506.2	101.2
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1001.2	100.1
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1035.8	103.6

ISP Forensics Calibration Curve Report

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Batch Data Path C:\MassHunter\Data\2018\MD Quant\MDQ Panel 1 and 2 TS 010918\QuantResults\MDQ Panel 2b TS 010918.batch.bin
Last Calib Update 1/22/2018 9:45 AM **Analyst Name** ISP TOX

Target Compound Meperidine
Internal Standard Meperidine-D4



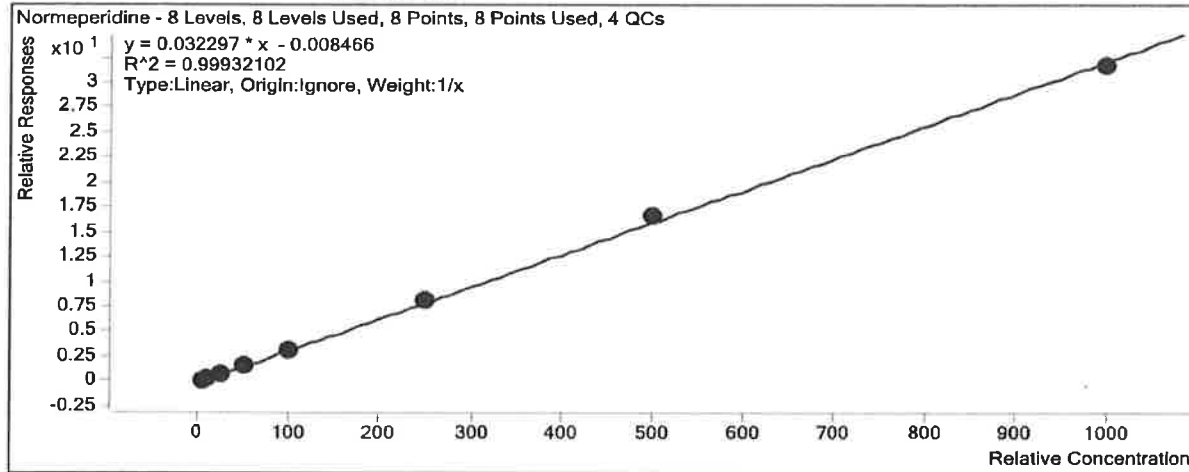
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	99.5
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	96.5
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.2	101.7
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.7	90.8
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	53.3	106.5
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	106.5	106.5
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	105.6	105.6
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	254.8	101.9
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	275.5	110.2
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	494.8	99.0
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	993.3	99.3
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1034.2	103.4

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\MDQ Panel 1 and 2 TS 010918\QuantResults\MDQ Panel 2b TS 010918.batch.bin
Last Calib Update 1/22/2018 9:45 AM **Analyst Name** ISP TOX

Target Compound Normeperidine
Internal Standard Normeperidine-D4



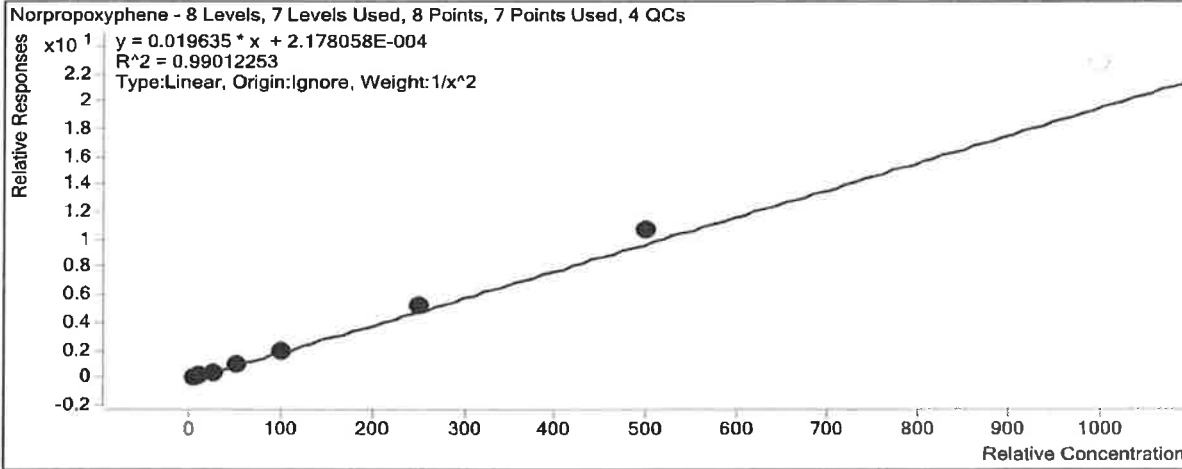
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	101.9
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	98.8
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.9	99.1
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.2	96.9
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.5	101.0
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.6	98.6
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	98.3	98.3
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	252.1	100.8
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	250.1	100.0
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	519.3	103.9
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	980.3	98.0
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	994.6	99.5

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\MDQ Panel 1 and 2 TS 010918\QuantResults\MDQ Panel 2b TS 010918.batch.bin
Last Calib Update 1/22/2018 9:45 AM **Analyst Name** ISP TOX

Target Compound *Norpropoxyphene*
Internal Standard *Norpropoxyphene-D5*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.3	106.2
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.3	92.9
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.2	102.2
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	21.7	86.9
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.2	98.3
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.1	98.1
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	104.8	104.8
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	269.4	107.8
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	285.9	114.4
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	549.7	109.9
b cal 8-1000ng	8	<input type="checkbox"/>	1000	1161.6	116.2
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1290.2	129.0

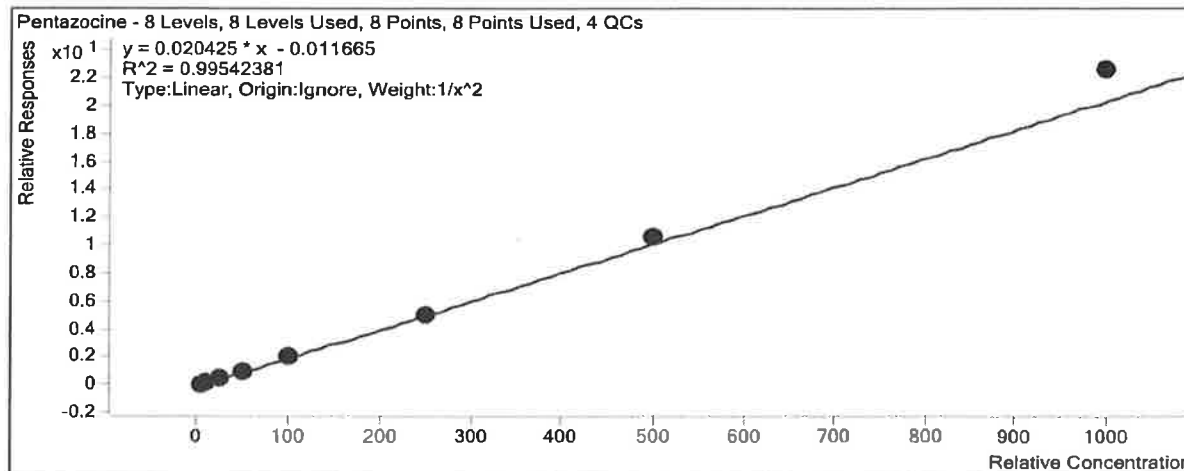
outside curve range

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\MDQ Panel 1 and 2 TS 010918\QuantResults\MDQ Panel 2b TS 010918.batch.bin
Last Calib Update 1/22/2018 9:45 AM **Analyst Name** ISP TOX

Target Compound Pentazocine
Internal Standard Pentazocine-13C3



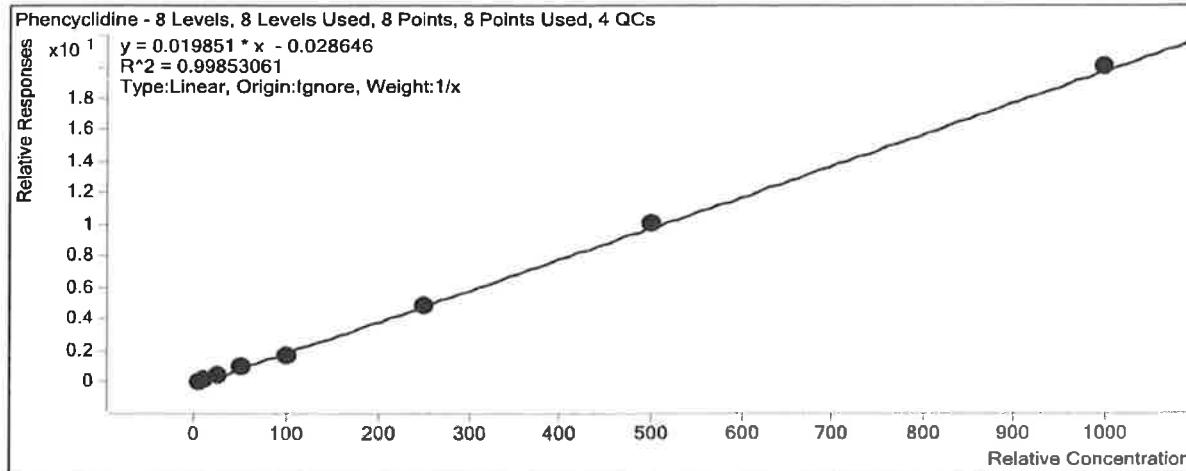
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.9
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	98.6
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.3	103.2
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.9	91.7
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.1	94.2
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.9	99.9
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	97.1	97.1
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	245.7	98.3
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	256.4	102.5
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	519.9	104.0
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1105.0	110.5
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1094.8	109.5

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\MDQ Panel 1 and 2 TS 010918\QuantResults\MDQ Panel 2b TS 010918.batch.bin
Last Calib Update 1/22/2018 9:45 AM **Analyst Name** ISP TOX

Target Compound Phencyclidine
Internal Standard Phencyclidine-D5



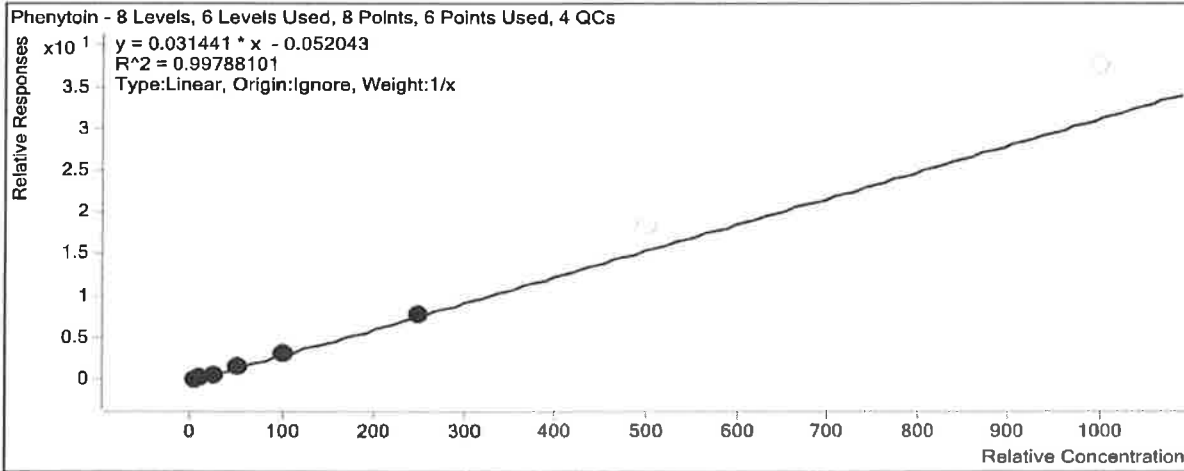
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	6.0	120.4
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.3	103.1
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.7	106.7
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.6	90.5
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.1	98.1
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	86.6	86.6
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	99.8	99.8
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	245.8	98.3
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	249.9	100.0
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	509.8	102.0
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1009.8	101.0
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1041.6	104.2

TS

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\MDQ Panel 1 and 2 TS 010918\QuantResults\MDQ Panel 2b TS 010918.batch.bin
Last Calib Update 1/22/2018 9:45 AM **Analyst Name** ISP TOX

Target Compound Phenytoin
Internal Standard Phenytoin-D10



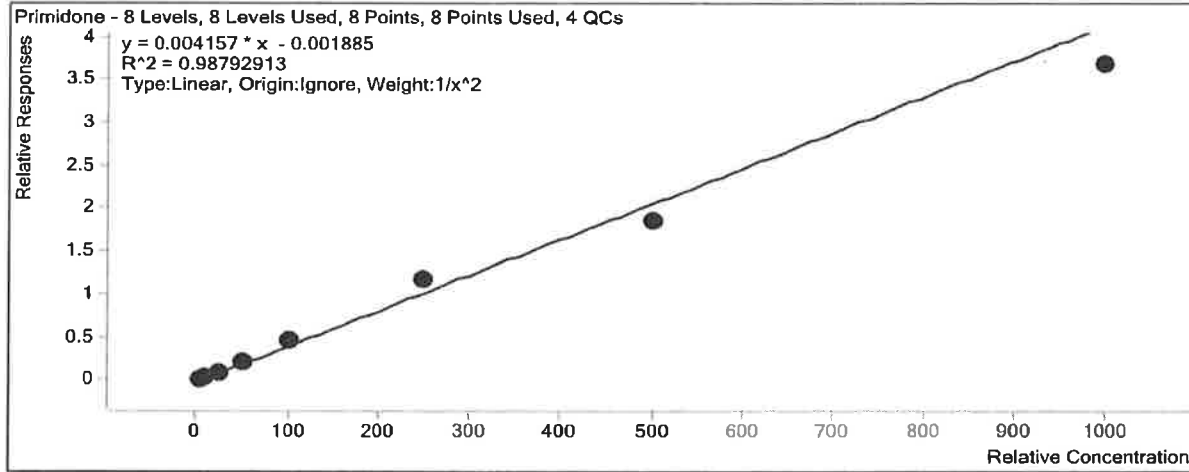
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy	
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.8	115.0	
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	97.3	
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	11.4	113.7	
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	21.4	85.5	
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.0	102.1	
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.7	98.7	
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	97.5	97.5	
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	253.4	101.4	
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	267.2	106.9	
b cal 7-500ng	7	<input type="checkbox"/>	500	587.0	117.4	
b cal 8-1000ng	8	<input type="checkbox"/>	1000	1199.0	119.9	
b QC 1000 (QC4)	8	<input type="checkbox"/>	1000	1259.7	126.0	<i>outside curve range</i>

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\MDQ Panel 1 and 2 TS 010918\QuantResults\MDQ Panel 2b TS 010918.batch.bin
Last Calib Update 1/22/2018 9:45 AM **Analyst Name** ISP TOX

Target Compound *Primidone*
Internal Standard *MDEA-D6*



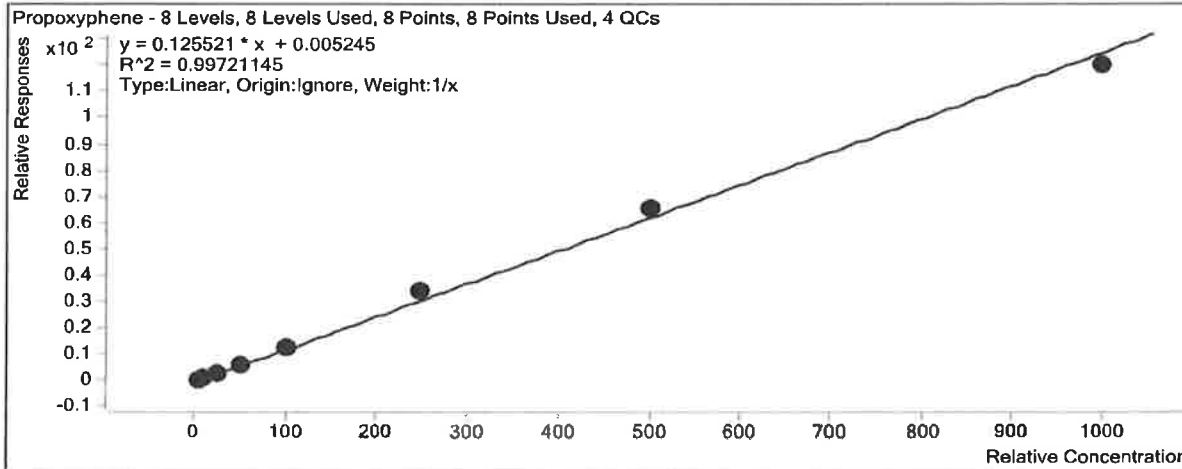
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.9	98.2
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.5	104.9
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	8.6	86.1
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.7	91.0
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.5	105.0
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	110.9	110.9
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	80.0	80.0
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	280.2	112.1
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	200.0	80.0
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	447.4	89.5
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	884.2	88.4
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	926.0	92.6

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\MDQ Panel 1 and 2 TS 010918\QuantResults\MDQ Panel 2b TS 010918.batch.bin
Last Calib Update 1/22/2018 9:45 AM **Analyst Name** ISP TOX

Target Compound Propoxyphene
Internal Standard Propoxyphene-D11



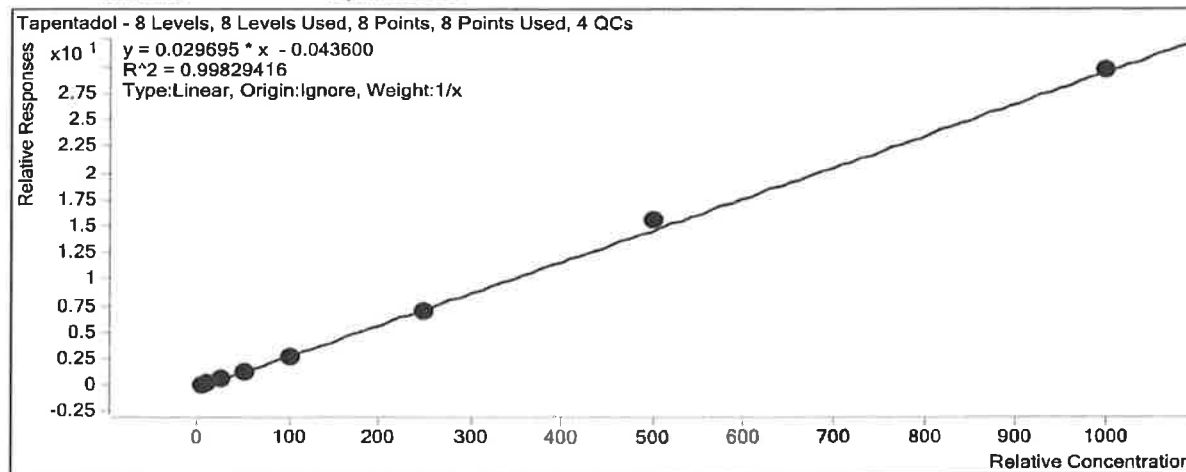
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.6	91.9
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	100.7
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.5	105.1
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.3	97.3
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.1	98.3
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.5	103.5
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	95.5	95.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	271.2	108.5
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	247.7	99.1
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	522.0	104.4
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	955.2	95.5
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	993.3	99.3

ISP Forensics Calibration Curve Report

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Batch Data Path C:\MassHunter\Data\2018\MD Quant\MDQ Panel 1 and 2 TS 010918\QuantResults\MDQ Panel 2b TS 010918.batch.bin
Last Calib Update 1/22/2018 9:45 AM **Analyst Name** ISP TOX

Target Compound Tapentadol
Internal Standard Tapentadol-D3



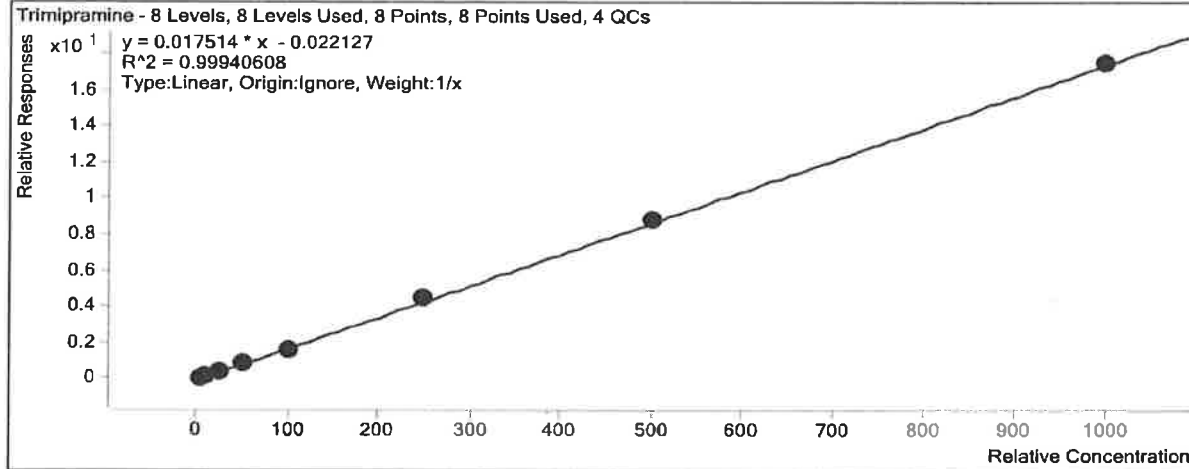
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.7	114.9
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.4	103.7
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.7	107.2
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.6	94.4
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.2	94.4
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	94.0	94.0
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	94.9	94.9
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	234.0	93.6
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	240.0	96.0
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	525.2	105.0
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	999.9	100.0
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1040.5	104.0

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\MDQ Panel 1 and 2 TS 010918\QuantResults\MDQ Panel 2b TS 010918.batch.bin
Last Calib Update 1/22/2018 9:45 AM **Analyst Name** ISP TOX

Target Compound *Trimipramine*
Internal Standard *Trimipramine-D3*



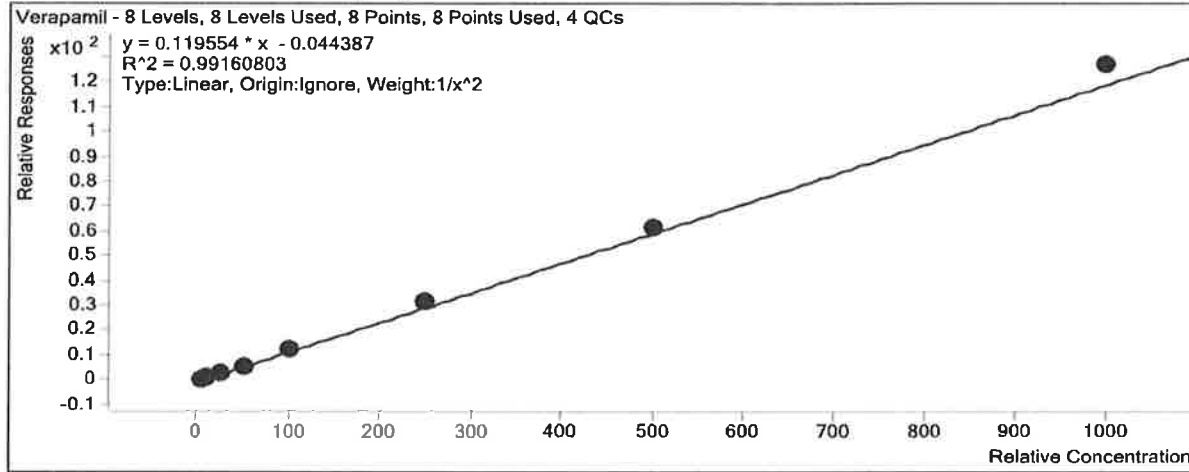
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.4	107.3
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	11.1	111.4
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.8	97.6
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.0	88.0
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.0	96.1
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	94.4	94.4
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	93.6	93.6
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	254.9	102.0
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	238.4	95.4
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	504.5	100.9
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	999.7	100.0
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1003.5	100.4

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\MDQ Panel 1 and 2 TS 010918\QuantResults\MDQ Panel 2b TS 010918.batch.bin
Last Calib Update 1/22/2018 9:45 AM **Analyst Name** ISP TOX

Target Compound Verapamil
Internal Standard Propoxyphene-D11



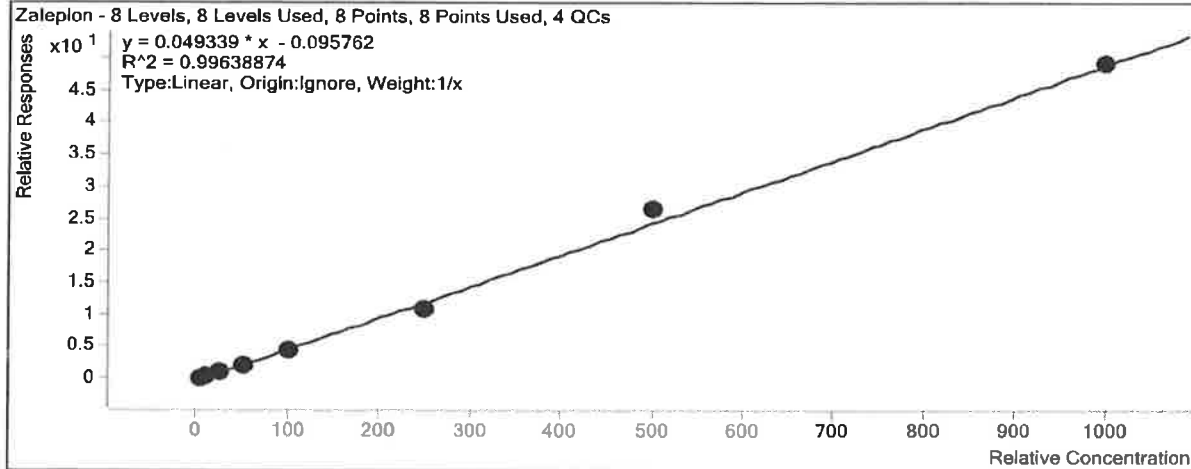
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	103.8
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	99.8
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	11.6	115.5
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	20.9	83.5
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.7	93.4
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.9	101.9
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	106.3	106.3
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	269.0	107.6
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	255.9	102.4
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	518.9	103.8
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1063.3	106.3
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1079.9	108.0

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\MDQ Panel 1 and 2 TS 010918\QuantResults\MDQ Panel 2b TS 010918.batch.bin
Last Calib Update 1/22/2018 9:45 AM **Analyst Name** ISP TOX

Target Compound *Zaleplon*
Internal Standard *Zaleplon-D4*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	6.1	122.4
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.2	102.1
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.8	108.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.7	94.8
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	45.1	90.2
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	92.6	92.6
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	91.7	91.7
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	226.3	90.5
b QC 250 (QC3)	6	<input checked="" type="checkbox"/>	250	236.5	94.6
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	537.5	107.5
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	998.5	99.8
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1051.5	105.2

TS

ISP FORENSICS - Pocatello Instrument # 59740

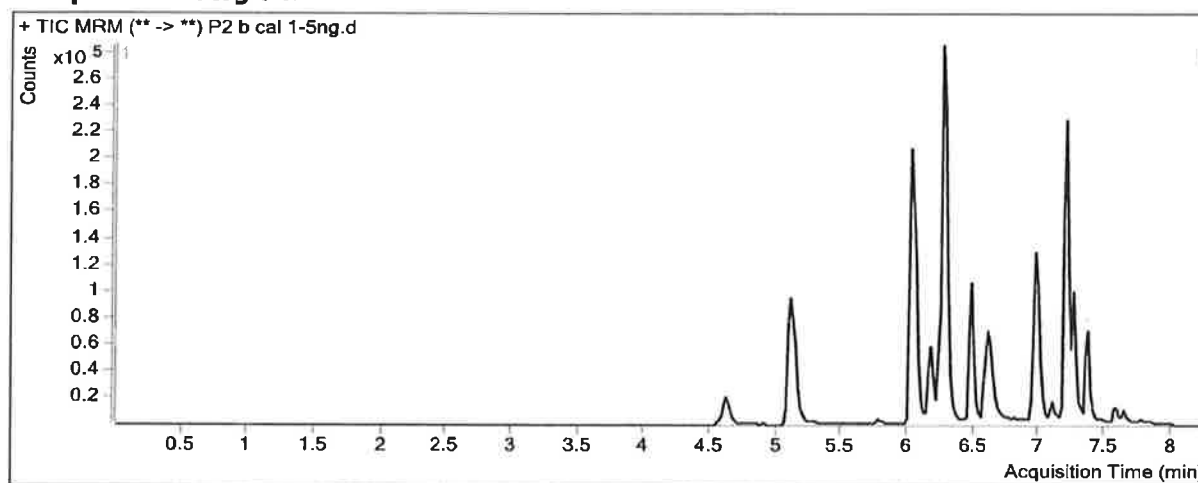
Multi-Drug Confirmatory Analysis Report

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Analysis Time 1/22/2018 9:45 AM **Analyst Name** ISPUser
Report Time 1/22/2018 12:42 PM **Reporter Name** ISPUser
Last Calib Update 1/22/2018 9:45 AM **Batch State** Processed

Analysis Info

Acq Time 2018-01-10 13:15 **Data File** P2 b cal 1-5ng.d
Sample Type Calibration **Sample Name** b cal 1-5ng
Dilution 1 **Acq Method** MDQ Panel 2b 3-12-17-2.m
Position P1-A5 **Sample Info**
Inj Vol -1 **Comment** AM 28-Panel 2

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
MDMA	MDMA-D6	4.608	26539	46314	0.5730	5.3007
MDEA	MDEA-D6	5.107	24516	303032	0.0809	6.1126
Primidone	MDEA-D6	5.772	5615	303032	0.0185	4.9108
Tapentadol	Tapentadol-D3	6.040	68937	542861	0.1270	5.7446
Meperidine	Meperidine-D4	6.176	16018	173901	0.0921	4.9742
7-aminoflunitrazepam	7-aminoflunitrazepam-D7	6.272	58699	624200	0.0940	4.8486
Normeperidine	Normeperidine-D4	6.281	28991	185653	0.1562	5.0972
Pentazocine	Pentazocine-13C3	6.470	24529	262608	0.0934	5.1443
Phencyclidine	Phencyclidine-D5	6.622	23302	256491	0.0908	6.0195
Flurazepam	Propoxyphene-D11	6.952	24271	42023	0.5775	4.6740
Zaleplon	Zaleplon-D4	6.978	48996	237566	0.2062	6.1210
Phenytoin	Phenytoin-D10	7.006	3082	23938	0.1288	5.7503
Verapamil	Propoxyphene-D11	7.092	24199	42023	0.5758	5.1879
Amoxapine	Zaleplon-D4	7.157	5374	237566	0.0226	6.6073
Propoxyphene	Propoxyphene-D11	7.195	24461	42023	0.5821	4.5955
Flunitrazepam	Flunitrazepam-D7	7.198	61123	153325	0.3987	5.0781
Imipramine	Imipramine-D3	7.206	13145	130624	0.1006	5.4296
Desipramine	Desipramine-D3	7.228	18178	152413	0.1193	5.0763
Trimipramine	Trimipramine-D3	7.265	13025	181260	0.0719	5.3663
Clomipramine	Clomipramine-D3	7.359	13458	143243	0.0940	3.8569

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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
Norpropoxyphene	Norpropoxyphene-D5	7.564	2818	26974	0.1045	5.3101

ISP FORENSICS - Pocatello Instrument # 59740

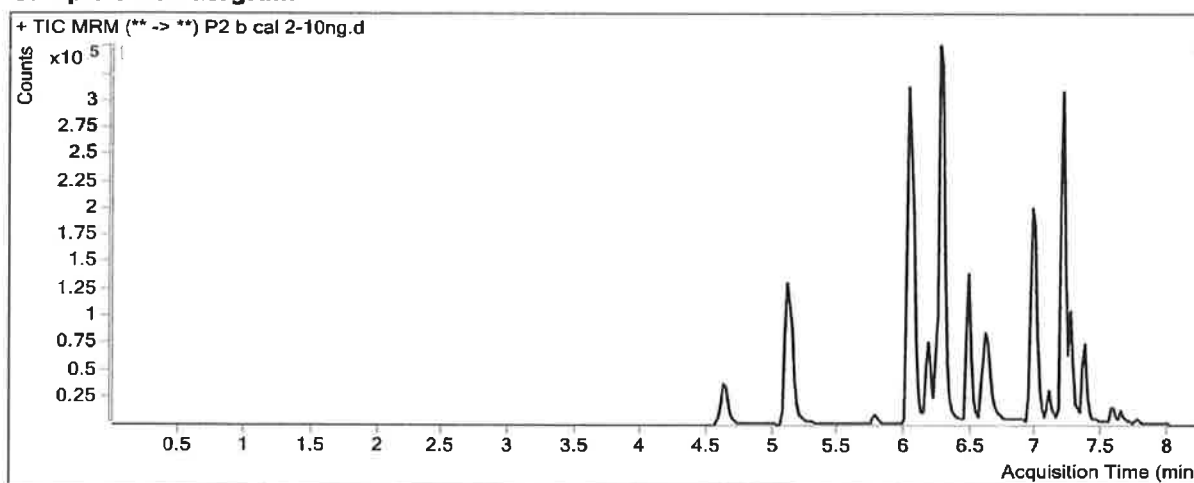
Multi-Drug Confirmatory Analysis Report

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Analysis Time 1/22/2018 9:45 AM **Analyst Name** ISPUser
Report Time 1/22/2018 12:42 PM **Reporter Name** ISPUser
Last Calib Update 1/22/2018 9:45 AM **Batch State** Processed

Analysis Info

Acq Time 2018-01-10 13:46 **Data File** P2 b cal 2-10ng.d
Sample Type Calibration **Sample Name** b cal 2-10ng
Dilution 1 **Acq Method** MDQ Panel 2b 3-12-17-2.m
Position P1-B5 **Sample Info**
Inj Vol -1 **Comment** AM 28-Panel 2

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
MDMA	MDMA-D6	4.628	66657	56014	1.1900	10.1127
MDEA	MDEA-D6	5.127	61689	360925	0.1709	11.0644
Primidone	MDEA-D6	5.772	15064	360925	0.0417	10.4941
Tapentadol	Tapentadol-D3	6.040	186290	704584	0.2644	10.3718
Meperidine	Meperidine-D4	6.176	36639	199481	0.1837	9.6496
7-aminoflunitrazepam	7-aminoflunitrazepam-D7	6.272	142026	757775	0.1874	10.2870
Normeperidine	Normeperidine-D4	6.281	62982	202673	0.3108	9.8840
Pentazocine	Pentazocine-13C3	6.470	55232	291048	0.1898	9.8621
Phencyclidine	Phencyclidine-D5	6.622	49481	281043	0.1761	10.3122
Flurazepam	Propoxyphene-D11	6.952	47028	38609	1.2181	9.3949
Zaleplon	Zaleplon-D4	6.978	120344	294933	0.4080	10.2110
Phenytoin	Phenytoin-D10	7.006	7632	30042	0.2540	9.7349
Verapamil	Propoxyphene-D11	7.092	44345	38609	1.1486	9.9784
Amoxapine	Zaleplon-D4	7.157	9634	294933	0.0327	10.4805
Propoxyphene	Propoxyphene-D11	7.195	48983	38609	1.2687	10.0657
Flunitrazepam	Flunitrazepam-D7	7.198	150473	183150	0.8216	9.9504
Imipramine	Imipramine-D3	7.206	23530	119012	0.1977	10.0790
Desipramine	Desipramine-D3	7.228	32664	145526	0.2245	9.6071
Trimipramine	Trimipramine-D3	7.265	26246	151680	0.1730	11.1430
Clomipramine	Clomipramine-D3	7.359	28903	128915	0.2242	10.0972

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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
Norpropoxyphene	Norpropoxyphene-D5	7.564	5690	31167	0.1826	9.2876

ISP FORENSICS - Pocatello Instrument # 59740

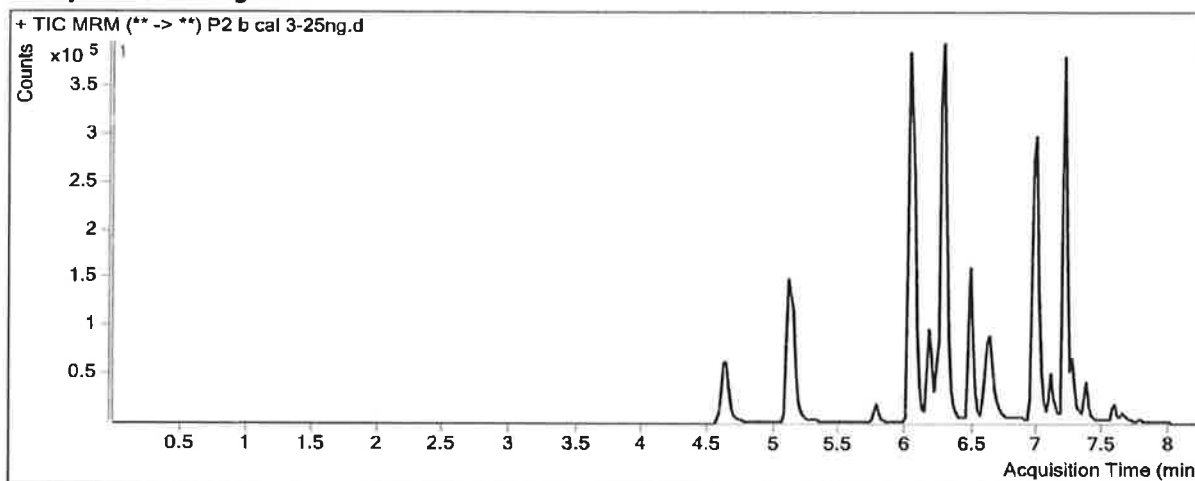
Multi-Drug Confirmatory Analysis Report

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Analysis Time 1/22/2018 9:45 AM **Analyst Name** ISPUser
Report Time 1/22/2018 12:42 PM **Reporter Name** ISPUser
Last Calib Update 1/22/2018 9:45 AM **Batch State** Processed

Analysis Info

Acq Time 2018-01-10 14:18 **Data File** P2 b cal 3-25ng.d
Sample Type Calibration **Sample Name** b cal 3-25ng
Dilution 1 **Acq Method** MDQ Panel 2b 3-12-17-2.m
Position P1-C5 **Sample Info**
Inj Vol -1 **Comment** AM 28-Panel 2

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
MDMA	MDMA-D6	4.628	144096	49057	2.9373	23.7405
MDEA	MDEA-D6	5.127	129245	342977	0.3768	22.3918
Primidone	MDEA-D6	5.772	31772	342977	0.0926	22.7390
Tapentadol	Tapentadol-D3	6.040	412368	627198	0.6575	23.6089
Meperidine	Meperidine-D4	6.176	80060	182242	0.4393	22.7033
7-aminoflunitrazepam	7-aminoflunitrazepam-D7	6.292	303364	659497	0.4600	26.1603
Normeperidine	Normeperidine-D4	6.281	127536	164866	0.7736	24.2141
Pentazocine	Pentazocine-13C3	6.470	110010	241044	0.4564	22.9158
Phencyclidine	Phencyclidine-D5	6.622	94480	224725	0.4204	22.6219
Flurazepam	Propoxyphene-D11	6.952	88121	27101	3.2516	24.3833
Zaleplon	Zaleplon-D4	6.978	274984	256146	1.0735	23.6995
Phenytoin	Phenytoin-D10	7.006	16808	27113	0.6199	21.3725
Verapamil	Propoxyphene-D11	7.092	66421	27101	2.4509	20.8716
Amoxapine	Zaleplon-D4	7.178	16836	256146	0.0657	23.2274
Propoxyphene	Propoxyphene-D11	7.195	82882	27101	3.0583	24.3231
Flunitrazepam	Flunitrazepam-D7	7.198	336131	165519	2.0308	23.8804
Imipramine	Imipramine-D3	7.206	26472	56813	0.4660	22.9263
Desipramine	Desipramine-D3	7.228	34926	60950	0.5730	24.6212
Trimipramine	Trimipramine-D3	7.265	25136	69236	0.3630	21.9917
Clomipramine	Clomipramine-D3	7.359	20707	39891	0.5191	24.2264

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Multi-Drug Confirmatory Analysis Report

b cal 3-25ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Norpropoxyphene	Norpropoxyphene-D5	7.564	13169	30874	0.4265	21.7127

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ISP FORENSICS - Pocatello Instrument # 59740

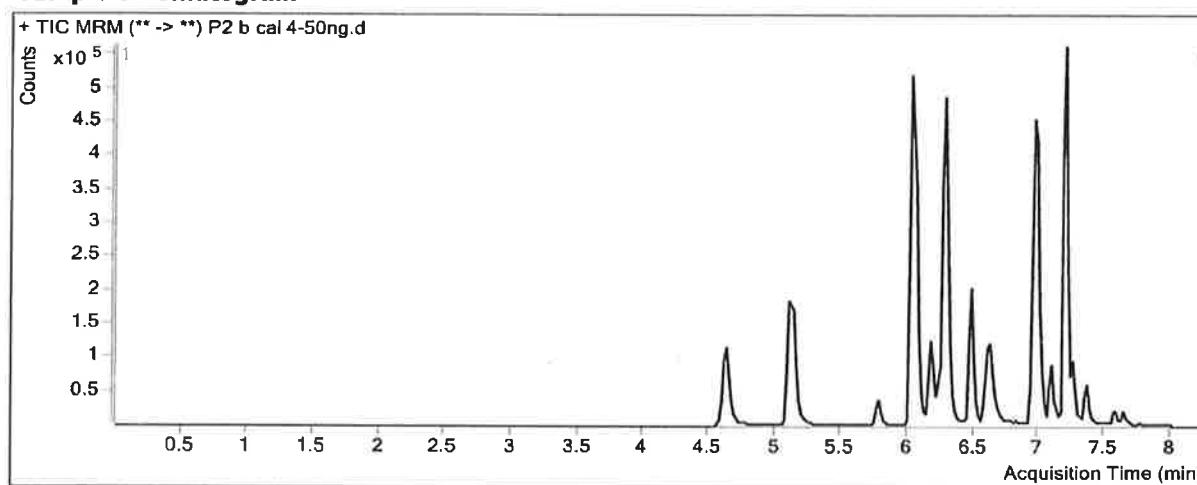
Multi-Drug Confirmatory Analysis Report

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Report Time	1/22/2018 12:42 PM	Reporter Name	ISPUser
Last Calib Update	1/22/2018 9:45 AM	Batch State	Processed

Analysis Info

Acq Time	2018-01-10 14:49	Data File	P2 b cal 4-50ng.d
Sample Type	Calibration	Sample Name	b cal 4-50ng
Dilution	1	Acq Method	MDQ Panel 2b 3-12-17-2.m
Position	P1-D5	Sample Info	
Inj Vol	-1	Comment	AM 28-Panel 2

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
MDMA	MDMA-D6	4.628	268842	43099	6.2378	49.4817
MDEA	MDEA-D6	5.127	243801	299440	0.8142	46.4509
Primidone	MDEA-D6	5.772	64763	299440	0.2163	52.4837
Tapentadol	Tapentadol-D3	6.040	768679	566260	1.3575	47.1811
Meperidine	Meperidine-D4	6.176	160995	155174	1.0375	53.2500
7-aminoflunitrazepam	7-aminoflunitrazepam-D7	6.272	512385	562889	0.9103	52.3831
Normeperidine	Normeperidine-D4	6.281	231968	142938	1.6229	50.5102
Pentazocine	Pentazocine-13C3	6.470	194209	204353	0.9504	47.1005
Phencyclidine	Phencyclidine-D5	6.622	183239	193859	0.9452	49.0581
Flurazepam	Propoxyphene-D11	6.952	168108	26000	6.4658	48.0736
Zaleplon	Zaleplon-D4	6.978	485986	228141	2.1302	45.1158
Phenytoin	Phenytoin-D10	7.006	33516	21584	1.5528	51.0429
Verapamil	Propoxyphene-D11	7.092	143966	26000	5.5372	46.6870
Amoxapine	Zaleplon-D4	7.178	27659	228141	0.1212	44.6274
Propoxyphene	Propoxyphene-D11	7.195	160513	26000	6.1737	49.1424
Flunitrazepam	Flunitrazepam-D7	7.198	587750	131823	4.4586	51.8494
Imipramine	Imipramine-D3	7.206	55360	54846	1.0094	48.9525
Desipramine	Desipramine-D3	7.228	65949	58104	1.1350	48.8289
Trimipramine	Trimipramine-D3	7.265	51679	63081	0.8192	48.0390
Clomipramine	Clomipramine-D3	7.359	49268	44717	1.1018	52.1436

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Multi-Drug Confirmatory Analysis Report

b cal 4-50ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Norpropoxyphene	Norpropoxyphene-D5	7.564	26857	27818	0.9654	49.1577

ISP FORENSICS - Pocatello Instrument # 59740

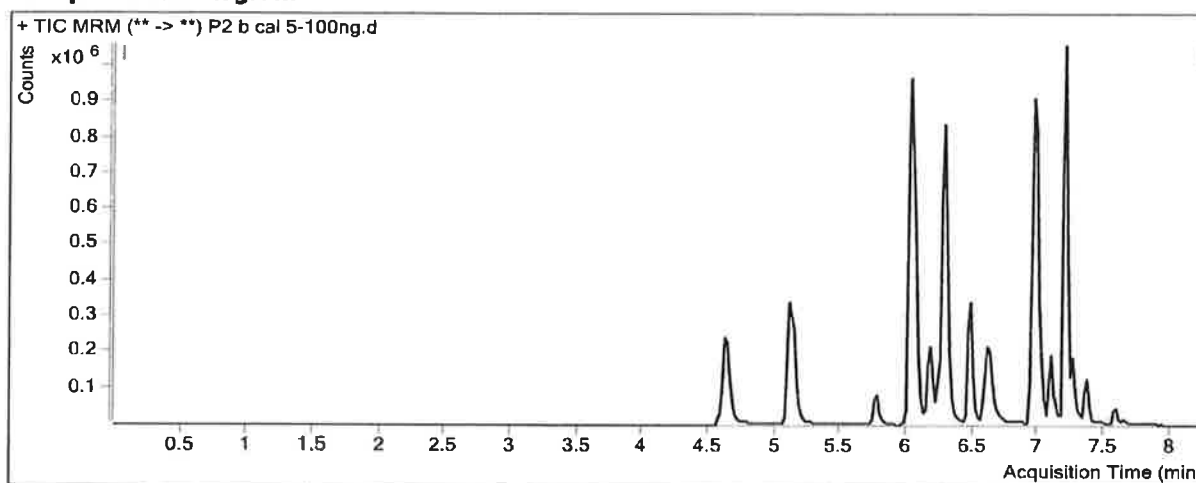
Multi-Drug Confirmatory Analysis Report

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Report Time 1/22/2018 12:42 PM **Reporter Name** ISPUser
Last Calib Update 1/22/2018 9:45 AM **Batch State** Processed

Analysis Info

Acq Time 2018-01-10 15:21 **Data File** P2 b cal 5-100ng.d
Sample Type Calibration **Sample Name** b cal 5-100ng
Dilution 1 **Acq Method** MDQ Panel 2b 3-12-17-2.m
Position P1-E5 **Sample Info**
Inj Vol -1 **Comment** AM 28-Panel 2

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
MDMA	MDMA-D6	4.628	600352	47230	12.7112	99.9694
MDEA	MDEA-D6	5.107	519565	327753	1.5852	88.8663
Primidone	MDEA-D6	5.772	150506	327753	0.4592	110.9245
Tapentadol	Tapentadol-D3	6.040	1738959	633165	2.7465	93.9555
Meperidine	Meperidine-D4	6.176	348936	167777	2.0798	106.4719
7-aminoflunitrazepam	7-aminoflunitrazepam-D7	6.272	1149789	636087	1.8076	104.6395
Normeperidine	Normeperidine-D4	6.281	468012	147348	3.1762	98.6071
Pentazocine	Pentazocine-13C3	6.470	418770	206490	2.0280	99.8631
Phencyclidine	Phencyclidine-D5	6.622	343596	203168	1.6912	86.6363
Flurazepam	Propoxyphene-D11	6.952	367457	25195	14.5844	107.9121
Zaleplon	Zaleplon-D4	6.958	1096956	245309	4.4717	92.5739
Phenytoin	Phenytoin-D10	7.006	78197	25624	3.0517	98.7174
Verapamil	Propoxyphene-D11	7.092	305826	25195	12.1382	101.9002
Amoxapine	Zaleplon-D4	7.178	65335	245309	0.2663	100.5707
Propoxyphene	Propoxyphene-D11	7.195	327344	25195	12.9923	103.4649
Flunitrazepam	Flunitrazepam-D7	7.198	1143657	134643	8.4940	98.3379
Imipramine	Imipramine-D3	7.206	115470	55869	2.0668	99.5967
Desipramine	Desipramine-D3	7.228	150178	63480	2.3657	101.8416
Trimipramine	Trimipramine-D3	7.265	113735	69753	1.6305	94.3609
Clomipramine	Clomipramine-D3	7.359	128714	54252	2.3725	113.0278

TS

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

b cal 5-100ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Norpropoxyphene	Norpropoxyphene-D5	7.564	68205	35421	1.9255	98.0562

TS

ISP FORENSICS - Pocatello Instrument # 59740

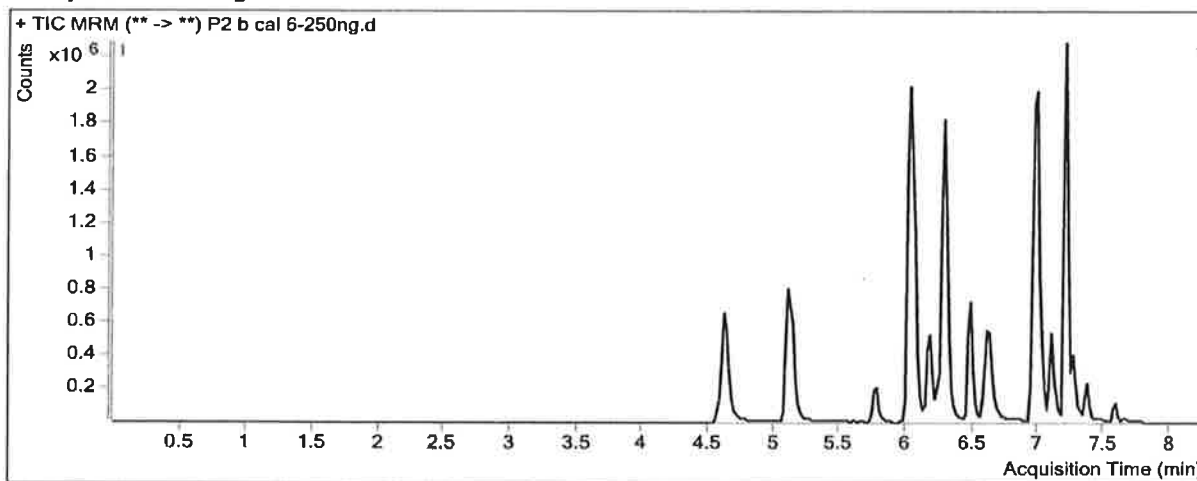
Multi-Drug Confirmatory Analysis Report

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Analysis Time 1/22/2018 9:45 AM **Analyst Name** ISPUser
Report Time 1/22/2018 12:42 PM **Reporter Name** ISPUser
Last Calib Update 1/22/2018 9:45 AM **Batch State** Processed

Analysis Info

Acq Time 2018-01-10 15:52 **Data File** P2 b cal 6-250ng.d
Sample Type Calibration **Sample Name** b cal 6-250ng
Dilution 1 **Acq Method** MDQ Panel 2b 3-12-17-2.m
Position P1-F5 **Sample Info**
Inj Vol -1 **Comment** AM 28-Panel 2

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
MDMA	MDMA-D6	4.608	1636224	52473	31.1820	244.0281
MDEA	MDEA-D6	5.107	1402764	331991	4.2253	234.0972
Primidone	MDEA-D6	5.772	386092	331991	1.1630	280.2269
Tapentadol	Tapentadol-D3	6.040	4338338	628284	6.9051	233.9971
Meperidine	Meperidine-D4	6.176	892587	179037	4.9855	254.8499
7-aminoflunitrazepam	7-aminoflunitrazepam-D7	6.272	3008257	683888	4.3988	255.5384
Normeperidine	Normeperidine-D4	6.261	1174840	144434	8.1341	252.1144
Pentazocine	Pentazocine-13C3	6.470	1028292	205370	5.0070	245.7129
Phencyclidine	Phencyclidine-D5	6.622	1072882	221188	4.8505	245.7884
Flurazepam	Propoxyphene-D11	6.952	989810	26163	37.8319	279.2590
Zaleplon	Zaleplon-D4	6.978	2510396	226789	11.0693	226.2930
Phenytoin	Phenytoin-D10	7.006	211267	26693	7.9146	253.3821
Verapamil	Propoxyphene-D11	7.092	840135	26163	32.1111	268.9615
Amoxapine	Zaleplon-D4	7.178	139047	226789	0.6131	234.2654
Propoxyphene	Propoxyphene-D11	7.195	890675	26163	34.0428	271.1695
Flunitrazepam	Flunitrazepam-D7	7.198	2349847	109038	21.5506	248.7517
Imipramine	Imipramine-D3	7.206	325073	61620	5.2755	253.2725
Desipramine	Desipramine-D3	7.228	375111	63367	5.9197	254.9247
Trimipramine	Trimipramine-D3	7.265	330856	74470	4.4428	254.9296
Clomipramine	Clomipramine-D3	7.359	225116	37284	6.0379	288.6424

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
Norpropoxyphene	Norpropoxyphene-D5	7.564	201822	38151	5.2901	269.4097

TS

ISP FORENSICS - Pocatello Instrument # 59740

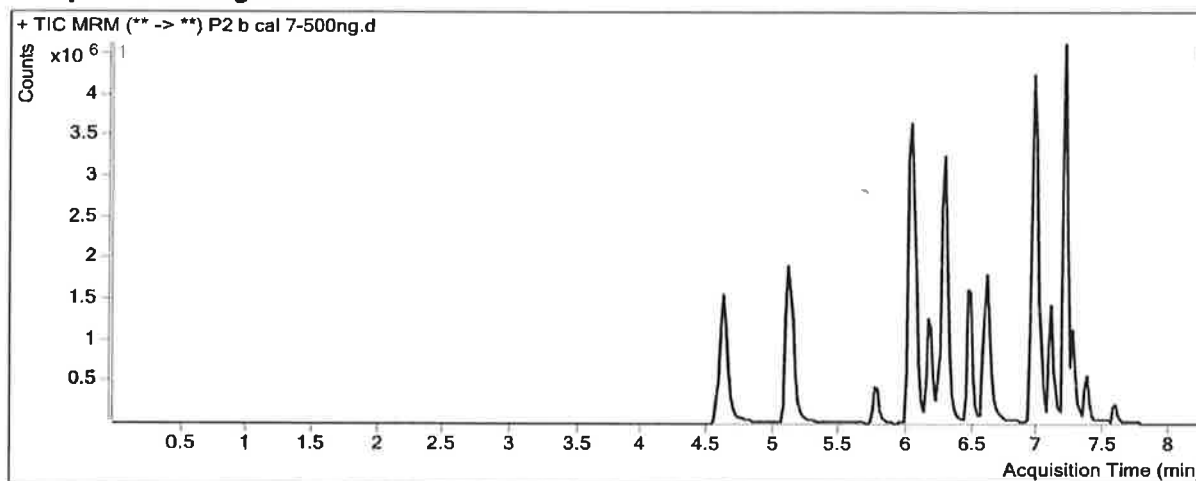
Multi-Drug Confirmatory Analysis Report

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Report Time 1/22/2018 12:42 PM **Reporter Name** ISPUser
Last Calib Update 1/22/2018 9:45 AM **Batch State** Processed

Analysis Info

Acq Time 2018-01-10 16:24 **Data File** P2 b cal 7-500ng.d
Sample Type Calibration **Sample Name** b cal 7-500ng
Dilution 1 **Acq Method** MDQ Panel 2b 3-12-17-2.m
Position P1-G5 **Sample Info**
Inj Vol -1 **Comment** AM 28-Panel 2

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
MDMA	MDMA-D6	4.608	4010930	61903	64.7934	506.1718
MDEA	MDEA-D6	5.107	3840387	432356	8.8825	490.2885
Primidone	MDEA-D6	5.752	803299	432356	1.8580	447.4224
Tapentadol	Tapentadol-D3	6.040	9042317	581363	15.5537	525.2402
Meperidine	Meperidine-D4	6.155	2216218	228821	9.6854	494.8438
7-aminoflunitrazepam	7-aminoflunitrazepam-D7	6.272	5728268	677050	8.4606	492.0852
Normeperidine	Normeperidine-D4	6.261	2717388	162108	16.7629	519.2846
Pentazocine	Pentazocine-13C3	6.450	2737332	258059	10.6074	519.9049
Phencyclidine	Phencyclidine-D5	6.602	3068489	304093	10.0906	509.7569
Flurazepam	Propoxyphene-D11	6.952	2848510	39913	71.3679	526.4384
Zaleplon	Zaleplon-D4	6.958	4989658	188829	26.4242	537.5070
Phenytoin	Phenytoin-D10	7.006	467519	25404	18.4035	586.9877
Verapamil	Propoxyphene-D11	7.092	2474476	39913	61.9967	518.9369
Amoxapine	Zaleplon-D4	7.157	291849	188829	1.5456	593.7697
Propoxyphene	Propoxyphene-D11	7.195	2615390	39913	65.5272	521.9989
Flunitrazepam	Flunitrazepam-D7	7.198	3608851	80553	44.8010	516.5996
Imipramine	Imipramine-D3	7.206	940579	89977	10.4535	501.2703
Desipramine	Desipramine-D3	7.228	1058323	86100	12.2918	529.4004
Trimipramine	Trimipramine-D3	7.265	1020669	115805	8.8137	504.4897
Clomipramine	Clomipramine-D3	7.359	613848	61947	9.9092	474.1241

TS

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

b cal 7-500ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Norpropoxyphene	Norpropoxyphene-D5	7.564	461733	42781	10.7931	549.6739

TS

ISP FORENSICS - Pocatello Instrument # 59740

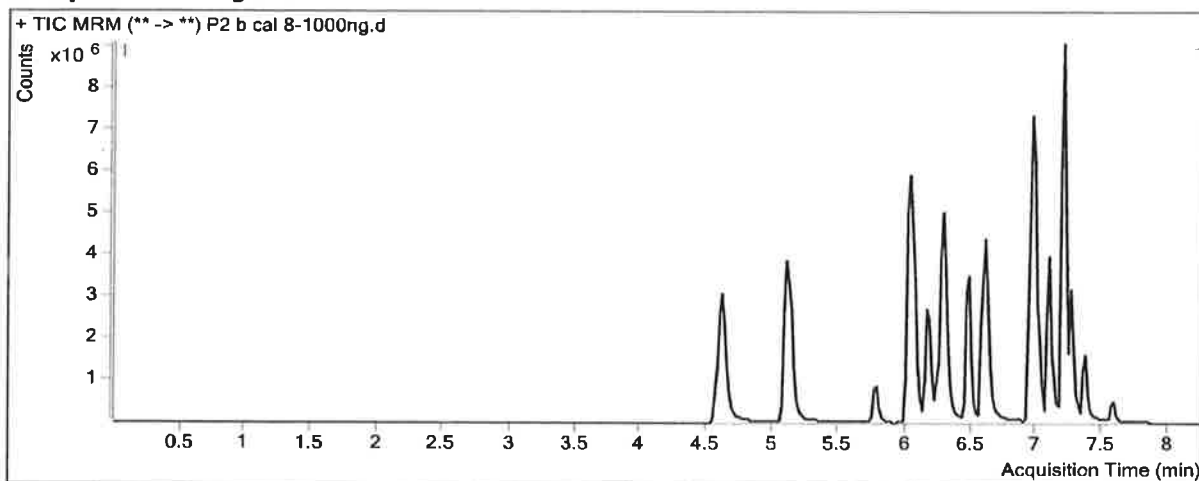
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\MDQ Panel 1 and 2 TS 010918\QuantResults\MDQ Panel 2b TS 010918.l
Analysis Time 1/22/2018 9:45 AM **Analyst Name** ISPUser
Report Time 1/22/2018 12:42 PM **Reporter Name** ISPUser
Last Calib Update 1/22/2018 9:45 AM **Batch State** Processed

Analysis Info

Acq Time 2018-01-10 16:55 **Data File** P2 b cal 8-1000ng.d
Sample Type Calibration **Sample Name** b cal 8-1000ng
Dilution 1 **Acq Method** MDQ Panel 2b 3-12-17-2.m
Position P1-H5 **Sample Info**
Inj Vol -1 **Comment** AM 28-Panel 2

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
MDMA	MDMA-D6	4.608	8416826	65621	128.2640	1001.1951
MDEA	MDEA-D6	5.107	8238018	436137	18.8886	1040.7283
Primidone	MDEA-D6	5.772	1602160	436137	3.6735	884.1936
Tapentadol	Tapentadol-D3	6.040	15823985	533712	29.6489	999.9008
Meperidine	Meperidine-D4	6.155	4854294	249630	19.4459	993.2572
7-aminoflunitrazepam	7-aminoflunitrazepam-D7	6.272	9215803	627407	14.6887	854.7844
Normeperidine	Normeperidine-D4	6.261	5005020	158127	31.6519	980.2884
Pentazocine	Pentazocine-13C3	6.470	6015264	266658	22.5580	1104.9993
Phencyclidine	Phencyclidine-D5	6.602	7784222	388876	20.0172	1009.8067
Flurazepam	Propoxyphene-D11	6.952	6955822	54573	127.4595	939.8646
Zaleplon	Zaleplon-D4	6.978	7746822	157558	49.1681	998.4789
Phenytoin	Phenytoin-D10	7.006	980333	26041	37.6454	1198.9824
Verapamil	Propoxyphene-D11	7.092	6934720	54573	127.0729	1063.2607
Amoxapine	Zaleplon-D4	7.157	546979	157558	3.4716	1336.3349
Propoxyphene	Propoxyphene-D11	7.195	6543724	54573	119.9082	955.2401
Flunitrazepam	Flunitrazepam-D7	7.198	4562580	53358	85.5082	985.5525
Imipramine	Imipramine-D3	7.206	2597647	124678	20.8348	998.4730
Desipramine	Desipramine-D3	7.228	2577957	114981	22.4208	965.6998
Trimipramine	Trimipramine-D3	7.265	3133274	179181	17.4867	999.6798
Clomipramine	Clomipramine-D3	7.359	1804468	88715	20.3400	973.8817

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
Norpropoxyphene	Norpropoxyphene-D5	7.564	1064236	46661	22.8078	1161.5799