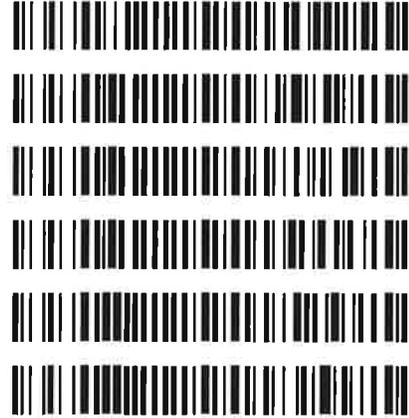


T3

Worklist: 2212

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>
C2017-2577	1	105623	AM 28 Blood Multi-Drug Quant
M2017-4509	1	107652	AM 28 Blood Multi-Drug Quant
M2017-5691	1	107440	AM 28 Blood Multi-Drug Quant
M2017-5797	1	107453	AM 28 Blood Multi-Drug Quant
P2017-2970	2	107439	AM 28 Blood Multi-Drug Quant
P2018-0012	1	107442	AM 28 Blood Multi-Drug Quant

BWylee



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

TS

Extraction Date: 02/20/18
Plate lot#: 0507680

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

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

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

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

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

Pre-Analytic:

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

Analytic:

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

Post-Analytic

- 1. Create batch and process data.
Worklist path: *C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP*
Batch Name: *MDQ P2a 022018 TS*
- 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 . Secondary Transition S/N > 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

Comments

Curves Limited: Metoprolol: 5-500
Mirtazapine: 5-250

Ondansetron: 5-250
Benzoylcegonine: 10-1000
Pracepam: 5-500

TS

Toxicology AM method 28 panel 2 external prep information
Working Solution 10000 ng/ml in MeOH zopiclone, chlordiazepoxide, flunitrazepam
Stock Solution 1mg/ml 100 ul each in 9700 ul MeOH (Fisher Lot # 172516)
Prepared: 02/20/18 Expires: 08/20/18 By: TNS

Drug	Lot	Expiration
Zopiclone	FE08291601	12/31/2021
Chlordiazepoxide	FE07241502	8/31/2020
Flunitrazepam	FE08051302	8/31/2021

Flunitrazepam correct Lot #: FE08051602

TS

AM 28 control 50 ul working solution lot (WS022018) in 9950ul blood (Hemostat Lot# 361331-2)
Prepared: 02/20/18 Expires: 08/20/18 By: TNS

TS

ISP FORENSICS - Pocatello Instrument # 59740

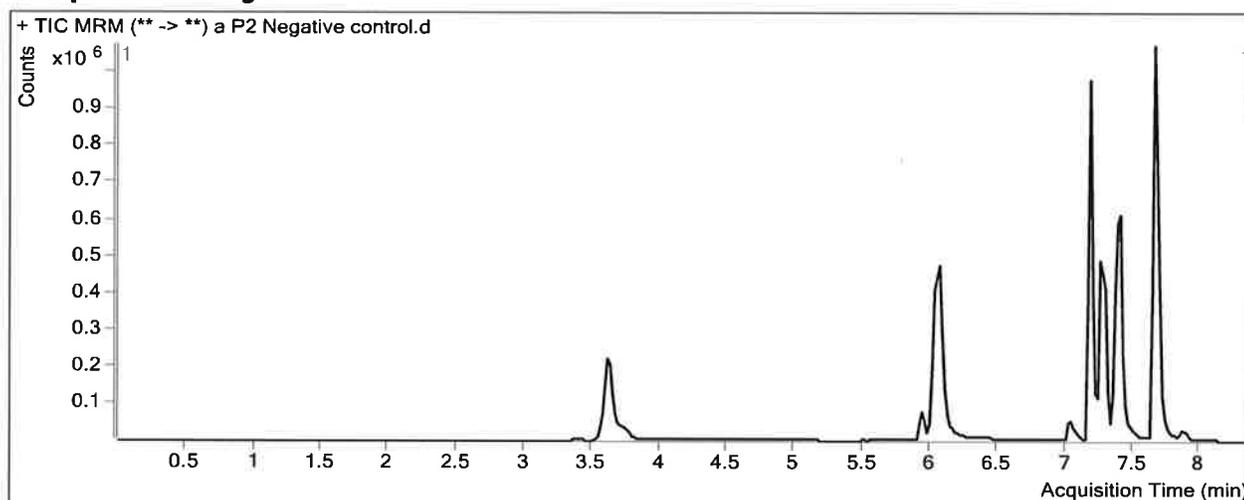
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ P2a 022018 TS.b
Analysis Time 2/26/2018 2:53 PM **Analyst Name** ISPUser
Report Time 2/26/2018 2:55 PM **Reporter Name** ISPUser
Last Calib Update 2/26/2018 2:53 PM **Batch State** Processed

Analysis Info

Acq Time 2018-02-20 17:40 **Data File** a P2 Negative control.d
Sample Type Sample **Sample Name** a Negative control
Dilution 1 **Acq Method** MDQ Panel 2a 1-26-2018.m
Position P2-E6 **Sample Info**
Inj Vol -1 **Comment** AM 28-Panel 2

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Carbamazepine	Carbamazepine-13C6	7.191	13802	2309536	0.0060	0.0000
Protriptyline	Protriptyline-d3	7.269	3910	118479	0.0330	1.9591 < 5
Amitriptyline	Amitriptyline-D3	7.286	7596	74215	0.1023	1.6888 < 5
Maprotiline	Nortriptyline-d3	7.266	6422	77112	0.0833	2.0325 < 5

ISP FORENSICS - Pocatello Instrument # 59740

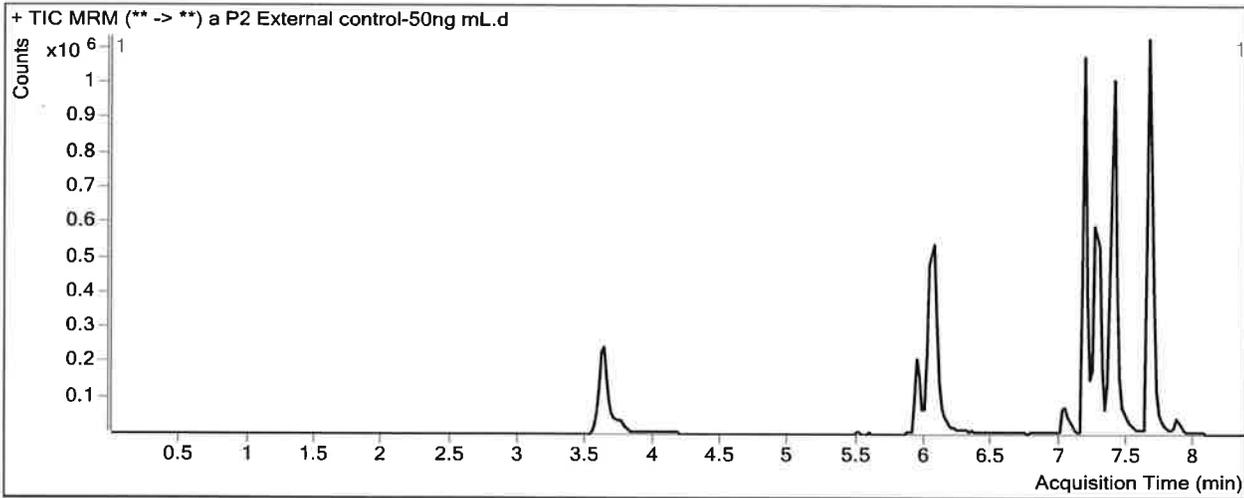
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ P2a 022018 TS.b
Analysis Time 2/26/2018 2:53 PM **Analyst Name** ISPUser
Report Time 2/26/2018 2:55 PM **Reporter Name** ISPUser
Last Calib Update 2/26/2018 2:53 PM **Batch State** Processed

Analysis Info

Acq Time 2018-02-20 18:12 **Data File** a P2 External control-50ng mL.d
Sample Type Sample **Sample Name** a External control-50ng mL
Dilution 1 **Acq Method** MDQ Panel 2a 1-26-2018.m
Position P2-F6 **Sample Info**
Inj Vol -1 **Comment** AM 28; WS022018 50 ng flunitrazepam, zopiclone, chlorodiazepoxide

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
<u>Zopiclone</u>	Zopiclone-D4	5.929	316138	282266	1.1200	<u>43.0992</u>
Protriptyline	Protriptyline-d3	7.269	2075	300579	0.0069	0.8313 < 5
Amitriptyline	Amitriptyline-D3	7.286	5038	181279	0.0278	0.1137 < 5
<u>Chlordiazepoxide</u>	Chlordiazepoxide-D5	7.402	566067	885576	0.6392	<u>61.6989</u>

TS

ISP FORENSICS - Pocatello Instrument # 59740

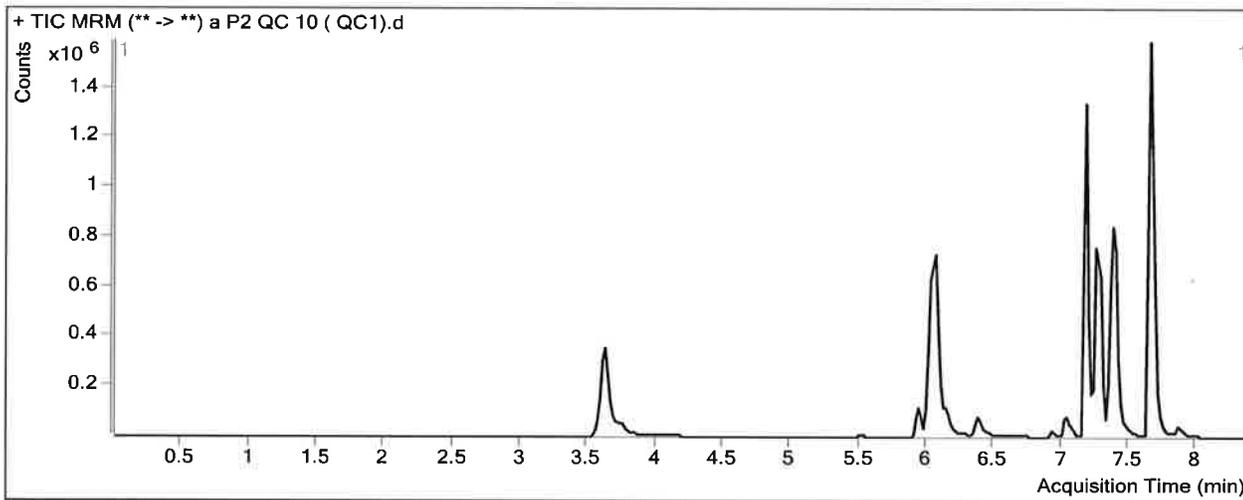
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ P2a 022018 TS.bi
Analysis Time 2/26/2018 2:53 PM **Analyst Name** ISUser
Report Time 2/26/2018 2:55 PM **Reporter Name** ISUser
Last Calib Update 2/26/2018 2:53 PM **Batch State** Processed

Analysis Info

Acq Time 2018-02-20 19:15 **Data File** a P2 QC 10 (QC1).d
Sample Type QC **Sample Name** a QC 10 (QC1)
Dilution 1 **Acq Method** MDQ Panel 2a 1-26-2018.m
Position P2-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	3.636	395962	1515371	0.2613	10.4455
Levamisole	Benzoyllecgonine-d8	3.945	77743	14289	5.4409	10.2241
Benzoyllecgonine	Benzoyllecgonine-d8	5.541	6360	14289	0.4451	15.1617
Zopiclone	Zopiclone-D4	5.929	74541	295961	0.2519	9.8885
Cocaine	Cocaine-D3	6.012	249481	926054	0.2694	10.3691
Methylphenidate	Methylphenidate-D4	6.066	391091	1449391	0.2698	9.9567
Metoprolol	Methylphenidate-D4	6.081	49844	1449391	0.0344	10.1306
Ondansetron	Carbamazepine-13C6	6.136	143120	2681179	0.0534	9.9411
Mirtazapine	Carbamazepine-13C6	6.384	184183	2681179	0.0687	9.4962
Mitragynine	Doxepin-D3	6.931	53738	223552	0.2404	10.3049
Doxepin	Doxepin-D3	7.042	46369	223552	0.2074	10.5272
Carbamazepine	Carbamazepine-13C6	7.191	522015	2681179	0.1947	9.8299
Protriptyline	Protriptyline-d3	7.249	40073	174402	0.2298	10.4624
Amitriptyline	Amitriptyline-D3	7.266	57651	108804	0.5299	10.7200
Maprotiline	Nortriptyline-d3	7.266	62855	117060	0.5369	11.0279
Estazolam	Estazolam-D5	7.283	273824	1219921	0.2245	10.7821
Nortriptyline	Nortriptyline-d3	7.289	23999	117060	0.2050	9.1003
alpha-hydroxymidazolam	alpha-hydroxymidazolam-					
	D4	7.357	199651	923194	0.2163	11.9306
Midazolam	Midazolam-D4	7.379	62797	811594	0.0774	9.3290

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

TS

a QC 10 (QC1)

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Chlordiazepoxide	Chlordiazepoxide-D5	7.402	105652	969823	0.1089	10.3917
Phenazepam	Phenazepam-D4	7.435	42013	78873	0.5327	10.1715
Prazepam	Prazepam-D5	7.661	719330	2892350	0.2487	10.4807

TS

ISP FORENSICS - Pocatello Instrument # 59740

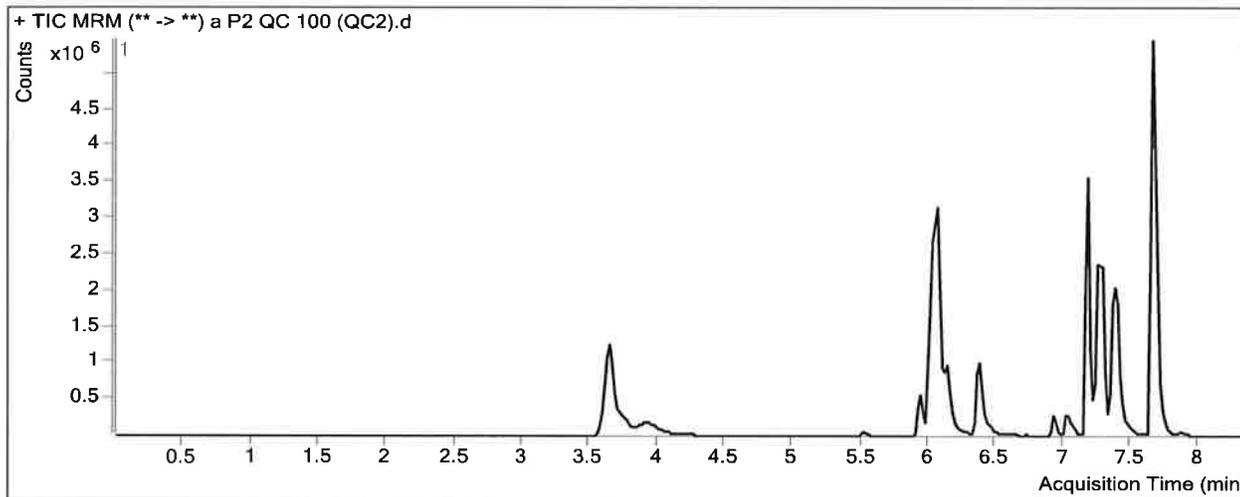
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ P2a 022018 TS.b		
Analysis Time	2/26/2018 2:53 PM	Analyst Name	ISPUser
Report Time	2/26/2018 2:56 PM	Reporter Name	ISPUser
Last Calib Update	2/26/2018 2:53 PM	Batch State	Processed

Analysis Info

Acq Time	2018-02-20 20:49	Data File	a P2 QC 100 (QC2).d
Sample Type	QC	Sample Name	a QC 100 (QC2)
Dilution	1	Acq Method	MDQ Panel 2a 1-26-2018.m
Position	P2-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	3.656	4973656	1893634	2.6265	103.6188
Levamisole	Benzoylecgonine-d8	3.925	1029254	16685	61.6887	106.8370
Benzoylecgonine	Benzoylecgonine-d8	5.541	81220	16685	4.8679	124.8196
Zopiclone	Zopiclone-D4	5.929	1076828	401183	2.6841	102.9351
Cocaine	Cocaine-D3	6.012	3175332	1184868	2.6799	102.9567
Methylphenidate	Methylphenidate-D4	6.066	4880380	1797930	2.7144	104.3135
Metoprolol	Methylphenidate-D4	6.081	620532	1797930	0.3451	106.3399
Ondansetron	Carbamazepine-13C6	6.136	1810606	2782928	0.6506	95.3900
Mirtazapine	Carbamazepine-13C6	6.384	2387793	2782928	0.8580	86.9744
Mitragynine	Doxepin-D3	6.911	613326	275946	2.2226	91.1320
Doxepin	Doxepin-D3	7.042	586229	275946	2.1244	103.1763
Carbamazepine	Carbamazepine-13C6	7.191	5361392	2782928	1.9265	104.4728
Protriptyline	Protriptyline-d3	7.249	530708	226915	2.3388	101.6017
Amitriptyline	Amitriptyline-D3	7.266	763362	149566	5.1039	107.3452
Maprotiline	Nortriptyline-d3	7.266	763012	167634	4.5517	90.6350
Estazolam	Estazolam-D5	7.283	2494127	1151589	2.1658	101.2849
Nortriptyline	Nortriptyline-d3	7.289	351695	167634	2.0980	101.7280
alpha-hydroxymidazolam	alpha-hydroxymidazolam-D4	7.357	1937833	956279	2.0264	108.9219
Midazolam	Midazolam-D4	7.379	777326	897663	0.8659	107.8158

TS

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

a QC 100 (QC2)

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Chlordiazepoxide	Chlordiazepoxide-D5	7.402	932354	940018	0.9918	95.8191
Phenazepam	Phenazepam-D4	7.435	336713	59680	5.6419	107.3312
Prazepam	Prazepam-D5	7.661	7734497	3321224	2.3288	109.0589

TS

ISP FORENSICS - Pocatello Instrument # 59740

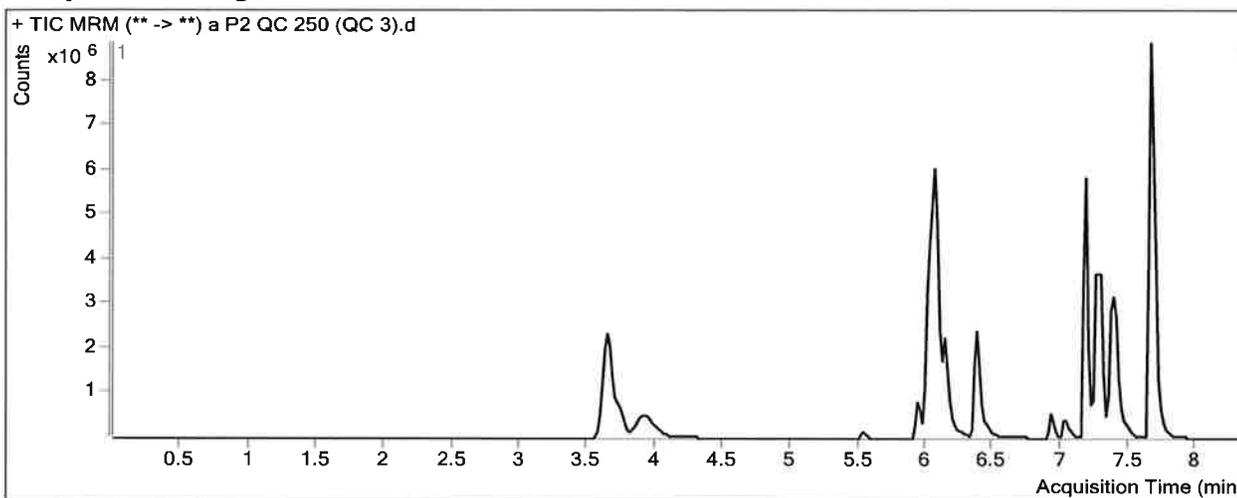
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ P2a 022018 TS.b
Analysis Time 2/26/2018 2:53 PM **Analyst Name** ISPUser
Report Time 2/26/2018 2:56 PM **Reporter Name** ISPUser
Last Calib Update 2/26/2018 2:53 PM **Batch State** Processed

Analysis Info

Acq Time 2018-02-20 22:07 **Data File** a P2 QC 250 (QC 3).d
Sample Type QC **Sample Name** a QC 250 (QC 3)
Dilution 1 **Acq Method** MDQ Panel 2a 1-26-2018.m
Position P2-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	3.656	11657245	1818401	6.4107	252.6902
Levamisole	Benzoylcegonine-d8	3.925	2465688	18764	131.4060	226.5856
Benzoylcegonine	Benzoylcegonine-d8	5.541	252730	18764	13.4690	338.0705
Zopiclone	Zopiclone-D4	5.929	1843834	285896	6.4493	246.9725
Cocaine	Cocaine-D3	6.012	7400565	1127506	6.5637	252.1321
Methylphenidate	Methylphenidate-D4	6.066	10370548	1597920	6.4900	250.0431
Metoprolol	Methylphenidate-D4	6.081	1299092	1597920	0.8130	251.1899
Ondansetron	Carbamazepine-13C6	6.136	4166771	2375230	1.7543	253.2942
Mirtazapine	Carbamazepine-13C6	6.384	5327258	2375230	2.2428	222.9060
Mitragynine	Doxepin-D3	6.931	1252235	181804	6.8878	281.3577
Doxepin	Doxepin-D3	7.042	958143	181804	5.2702	255.2110
Carbamazepine	Carbamazepine-13C6	7.191	11164507	2375230	4.7004	256.0612
Protriptyline	Protriptyline-d3	7.249	648896	113542	5.7150	247.5017
Amitriptyline	Amitriptyline-D3	7.266	920235	74203	12.4015	261.5079
Maprotiline	Nortriptyline-d3	7.266	931337	75638	12.3132	244.5360
Estazolam	Estazolam-D5	7.283	5139593	961456	5.3456	249.5232
Nortriptyline	Nortriptyline-d3	7.289	392449	75638	5.1885	252.9554
alpha-hydroxymidazolam	alpha-hydroxymidazolam-D4	7.357	3682117	791730	4.6507	249.5351
Midazolam	Midazolam-D4	7.379	1733985	818991	2.1172	264.0918

TS

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

a QC 250 (QC3)

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Chlordiazepoxide	Chlordiazepoxide-D5	7.402	1700856	715489	2.3772	229.8610
Phenazepam	Phenazepam-D4	7.435	565181	42853	13.1889	250.8468
Prazepam	Prazepam-D5	7.661	15193657	2809842	5.4073	254.9513

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

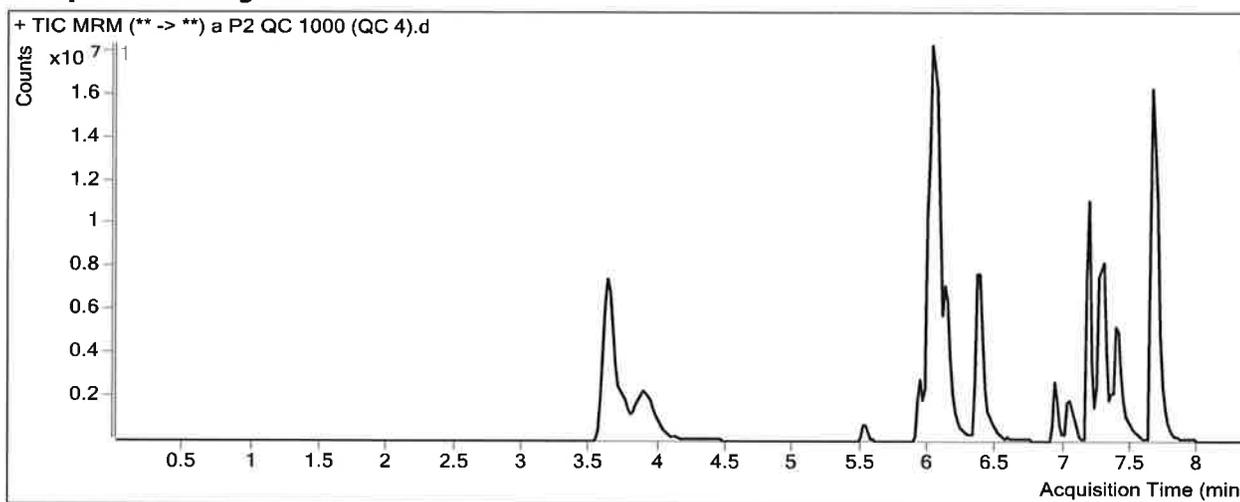
TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ P2a 022018 TS.b
Analysis Time 2/26/2018 2:53 PM **Analyst Name** ISPUser
Report Time 2/26/2018 2:56 PM **Reporter Name** ISPUser
Last Calib Update 2/26/2018 2:53 PM **Batch State** Processed

Analysis Info

Acq Time 2018-02-20 23:42 **Data File** a P2 QC 1000 (QC 4).d
Sample Type QC **Sample Name** a QC 1000 (QC 4)
Dilution 1 **Acq Method** MDQ Panel 2a 1-26-2018.m
Position P2-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	3.636	45790644	1785213	25.6500	1010.5843
Levamisole	Benzoylcegonine-d8	3.885	11256777	18392	612.0517	1052.1578
Benzoylcegonine	Benzoylcegonine-d8	5.541	1368653	18392	74.4162	1849.1787
Zopiclone	Zopiclone-D4	5.929	6676887	259309	25.7488	985.2745
Cocaine	Cocaine-D3	6.012	27434623	1059386	25.8967	994.7168
Methylphenidate	Methylphenidate-D4	6.066	35398468	1453297	24.3574	939.6841
Metoprolol	Methylphenidate-D4	6.081	3471005	1453297	2.3884	738.9364
Ondansetron	Carbamazepine-13C6	6.136	15124382	1304256	11.5962	1661.4251
Mirtazapine	Carbamazepine-13C6	6.384	20496402	1304256	15.7150	1545.3096
Mitragynine	Doxepin-D3	6.931	6433470	238593	26.9642	1099.9793
Doxepin	Doxepin-D3	7.042	4929322	238593	20.6599	998.9962
Carbamazepine	Carbamazepine-13C6	7.191	23812664	1304256	18.2577	996.9519
Protriptyline	Protriptyline-d3	7.249	2737758	119754	22.8616	988.4718
Amitriptyline	Amitriptyline-D3	7.266	4476304	101201	44.2319	933.9204
Maprotiline	Nortriptyline-d3	7.286	4530562	84742	53.4629	1060.4859
Estazolam	Estazolam-D5	7.283	10057677	456820	22.0167	1026.7026
Nortriptyline	Nortriptyline-d3	7.289	1805994	84742	21.3116	1041.8931
alpha-hydroxymidazolam	alpha-hydroxymidazolam-D4	7.377	5023072	481470	10.4328	559.3452
Midazolam	Midazolam-D4	7.379	4965097	627496	7.9126	987.8888

outside curve range
outside curve range
outside curve range

Not evaluated
**Peak cut off*
TS

TS

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report a QC 1000 (QC4)

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc	
Chlordiazepoxide	Chlordiazepoxide-D5	7.402	3686536	350027	10.5322	1018.9101	
Phenazepam	Phenazepam-D4	7.455	1171952	26771	43.7764	832.5125	
Prazepam	Prazepam-D5	7.661	35505937	2032405	17.4699	826.6092	Outside Curve range

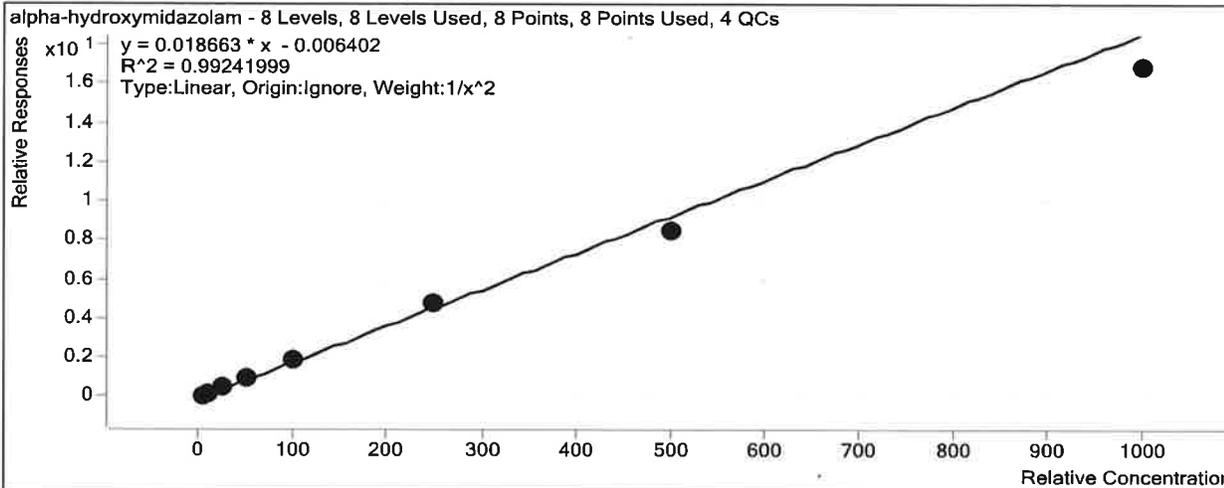
ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ
P2a 022018 TS.batch.bin

Last Calib Update 2/26/2018 2:53 PM **Analyst Name** ISP TOX

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



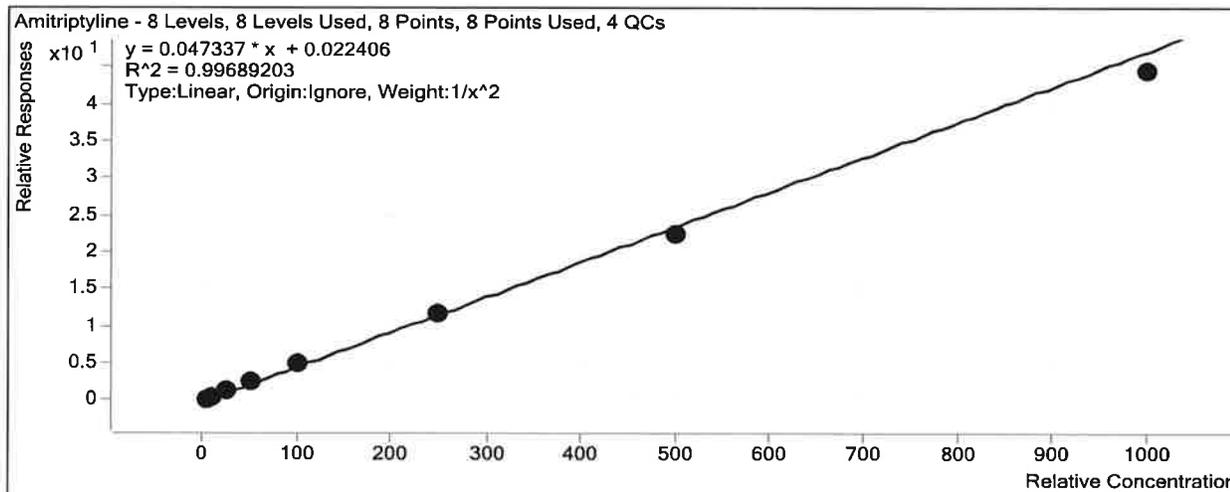
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.7	94.5
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.6	106.0
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	11.9	119.3
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	27.9	111.7
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.4	100.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.2	103.2
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	108.9	108.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	256.7	102.7
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	249.5	99.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	455.1	91.0
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	900.2	90.0
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	559.3	55.9

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ P2a 022018 TS.batch.bin
Last Calib Update 2/26/2018 2:53 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	4.8	96.7
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.3	103.0
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.7	107.2
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	27.1	108.4
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.7	101.4
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.8	102.8
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	107.3	107.3
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	247.1	98.8
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	261.5	104.6
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	476.1	95.2
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	937.0	93.7
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	933.9	93.4

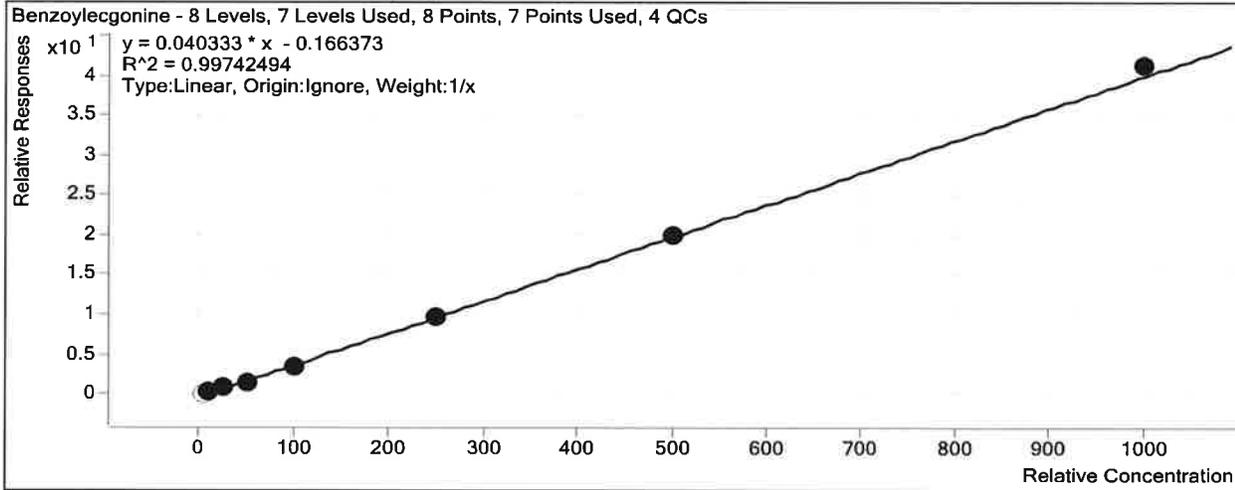
ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ
P2a 022018 TS.batch.bin

Last Calib Update 2/26/2018 2:53 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 type="checkbox"/>	5	7.8	156.9
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	12.1	121.0
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	15.2	151.6
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	27.0	108.1
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	42.1	84.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	87.7	87.7
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	124.8	124.8
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	241.4	96.6
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	338.1	135.2
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	499.5	99.9
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1025.1	102.5
a QC 1000 (QC 4)	8	<input type="checkbox"/>	1000	1849.2	184.9

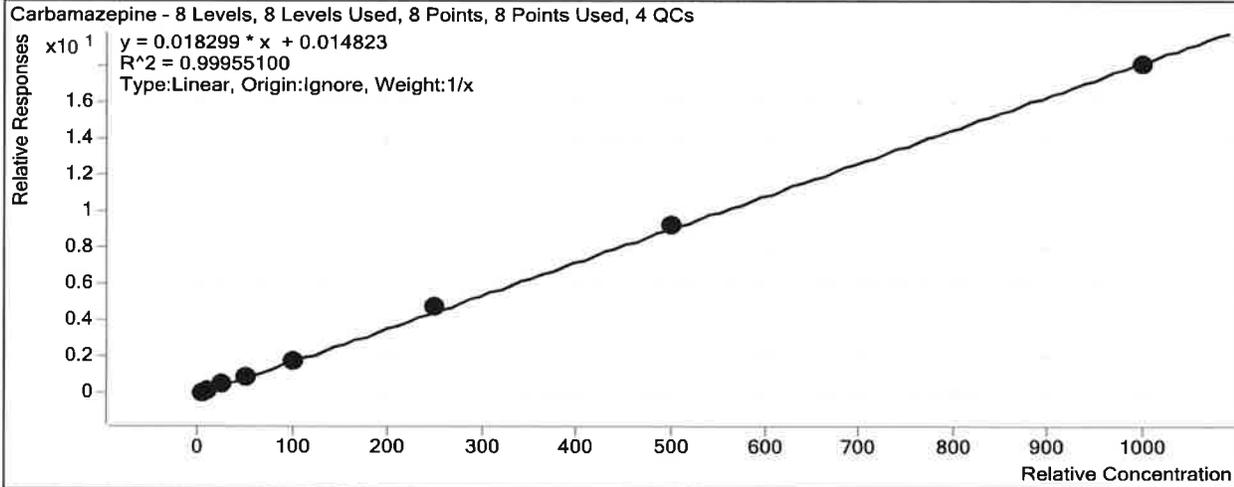
ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ
P2a 022018 TS.batch.bin

Last Calib Update 2/26/2018 2:53 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	4.3	86.4
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.6	106.4
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.8	98.3
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	27.0	107.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.1	98.1
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.2	98.2
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	104.5	104.5
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	258.4	103.4
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	256.1	102.4
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	504.2	100.8
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	988.3	98.8
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	997.0	99.7

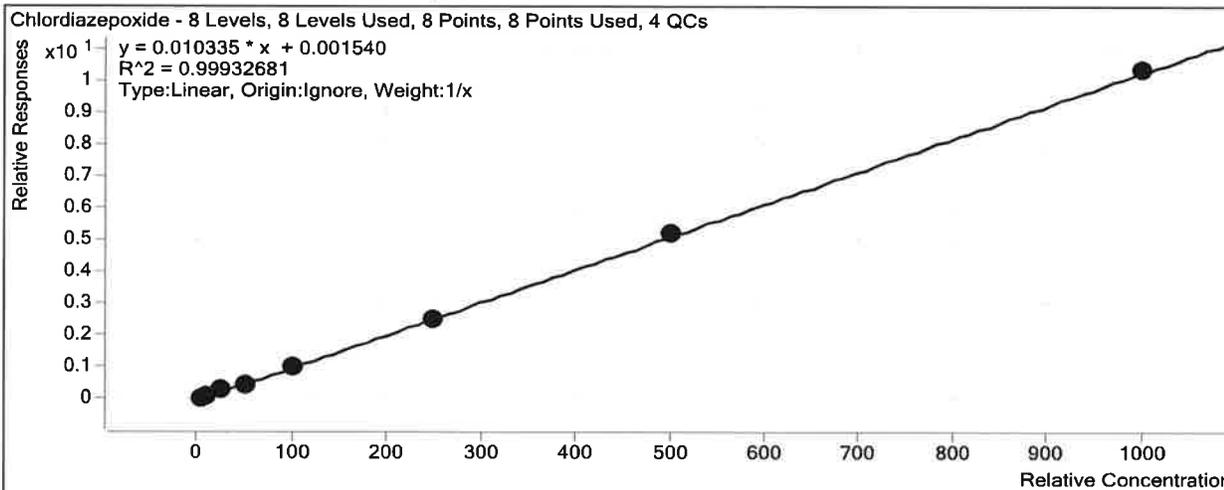
ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ
P2a 022018 TS.batch.bin

Last Calib Update 2/26/2018 2:53 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	4.6	91.4
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	11.5	114.8
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.4	103.9
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.6	106.4
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	45.4	90.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.3	97.3
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	95.8	95.8
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	243.4	97.3
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	229.9	91.9
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	508.9	101.8
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1002.4	100.2
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1018.9	101.9

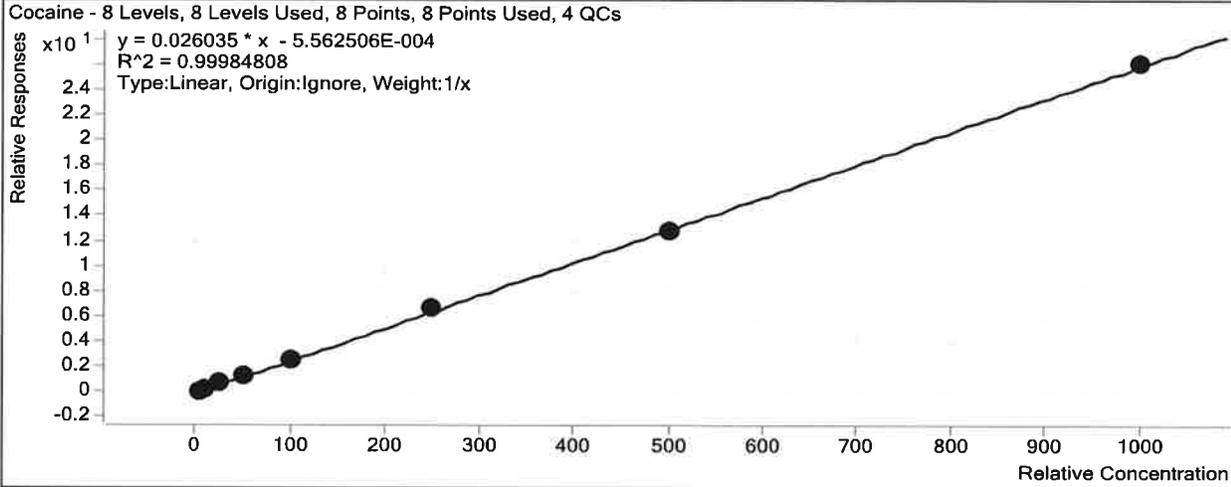
ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ
P2a 022018 TS.batch.bin

Last Calib Update 2/26/2018 2:53 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	4.7	93.3
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.2	102.3
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.4	103.7
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.0	104.0
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.5	100.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.5	98.5
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	103.0	103.0
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	255.3	102.1
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	252.1	100.9
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	494.5	98.9
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1000.3	100.0
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	994.7	99.5

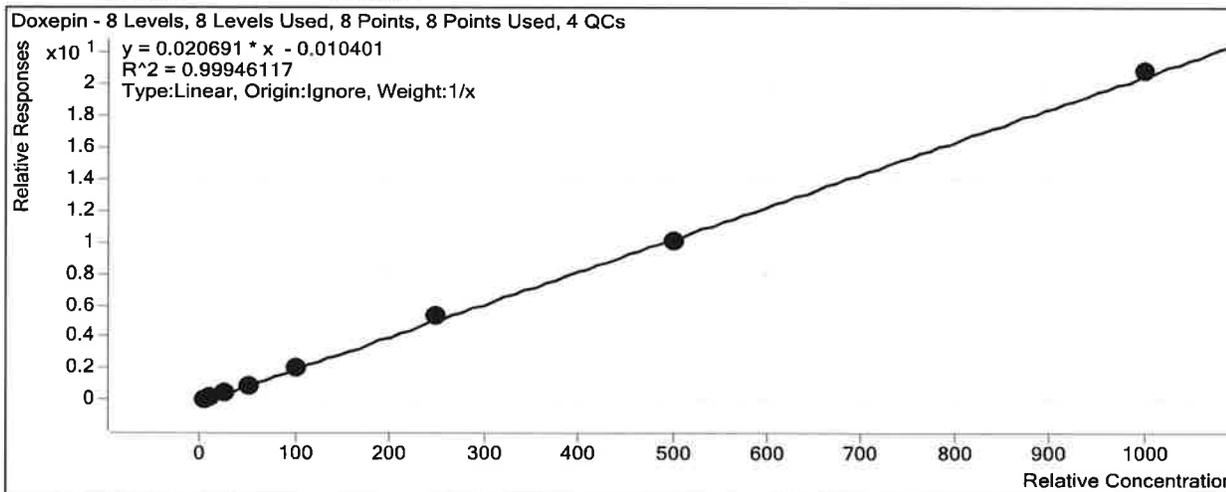
ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ
P2a 022018 TS.batch.bin

Last Calib Update 2/26/2018 2:53 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	101.8
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.6	105.8
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.5	105.3
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.9	99.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.6	93.2
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.7	97.7
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	103.2	103.2
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	258.5	103.4
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	255.2	102.1
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	488.3	97.7
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	999.0	99.9

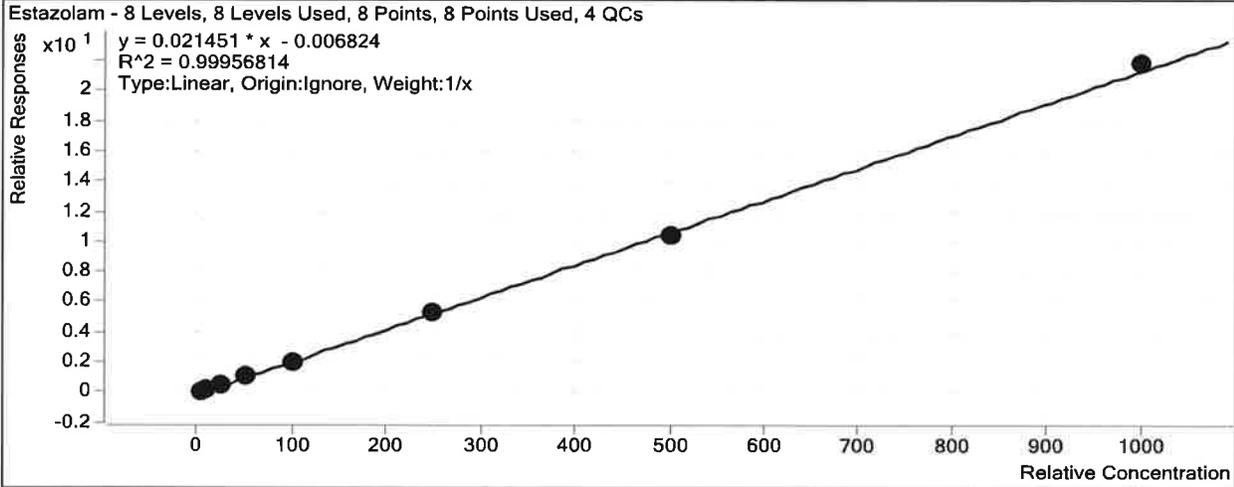
ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ
P2a 022018 TS.batch.bin

Last Calib Update 2/26/2018 2:53 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	5.1	102.3
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	100.0
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.8	107.8
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.6	102.5
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.3	100.6
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	95.8	95.8
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	101.3	101.3
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	249.2	99.7
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	249.5	99.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	487.7	97.5
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1016.2	101.6
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1026.7	102.7

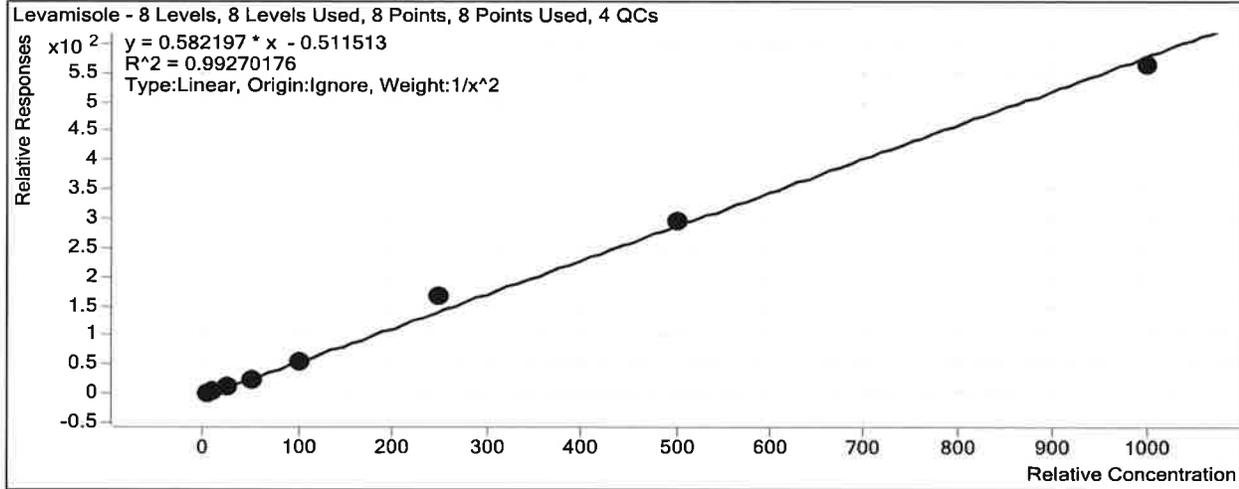
ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ
P2a 022018 TS.batch.bin

Last Calib Update 2/26/2018 2:53 PM **Analyst Name** ISP TOX

Target Compound Levamisole
Internal Standard Benzoyllecgonine-d8



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	101.4
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	98.6
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.2	102.2
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.4	101.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	44.5	89.0
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	96.2	96.2
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	106.8	106.8
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	288.2	115.3
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	226.6	90.6
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	506.7	101.3
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	967.2	96.7
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1052.2	105.2

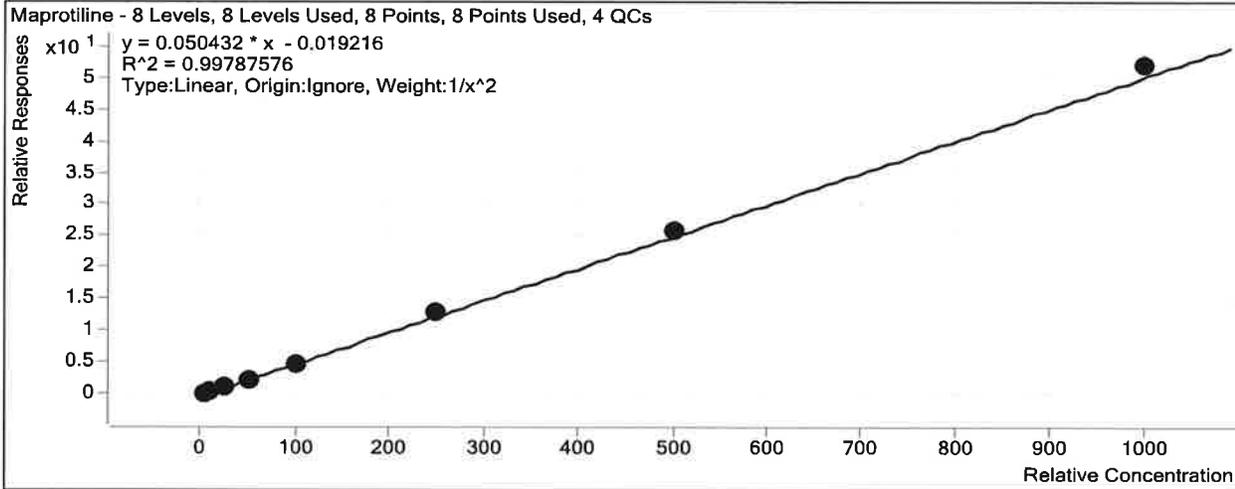
ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ
P2a 022018 TS.batch.bin

Last Calib Update 2/26/2018 2:53 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	5.0	100.0
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	101.0
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	11.0	110.3
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.4	101.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.7	93.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	94.4	94.4
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	90.6	90.6
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	260.8	104.3
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	244.5	97.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	511.9	102.4
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1029.0	102.9
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1060.5	106.0

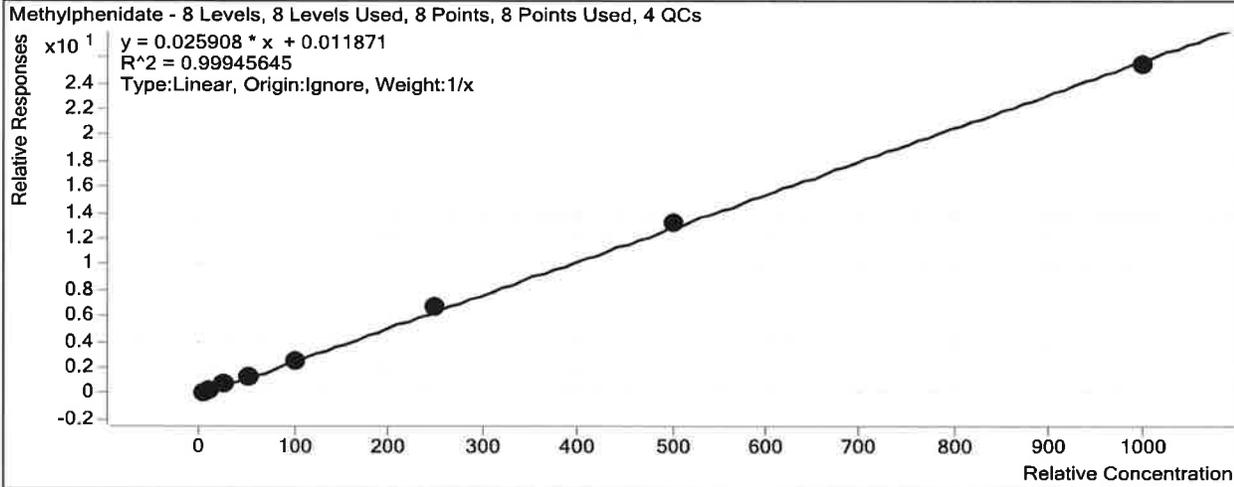
ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ
P2a 022018 TS.batch.bin

Last Calib Update 2/26/2018 2:53 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	4.6	91.5
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	98.8
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.0	99.6
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.2	104.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.9	101.7
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.5	99.5
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	104.3	104.3
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	260.2	104.1
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	250.0	100.0
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	507.0	101.4
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	981.8	98.2
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	939.7	94.0

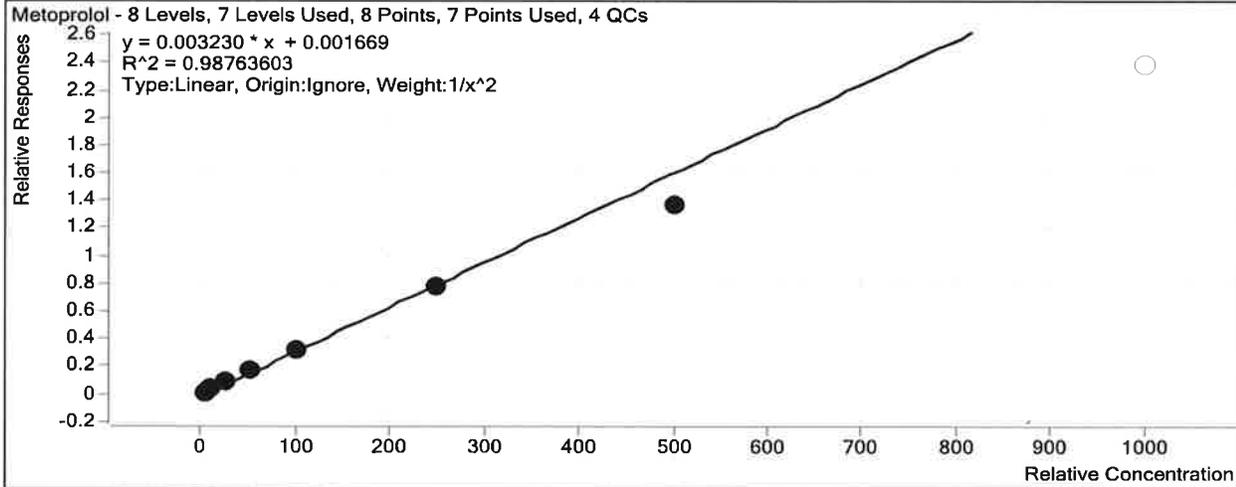
ISP Forensics Calibration Curve Report

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Batch Data Path C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ
P2a 022018 TS.batch.bin

Last Calib Update 2/26/2018 2:53 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	4.7	94.2
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.5	105.3
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.1	101.3
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	28.5	114.1
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.6	105.1
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.6	100.6
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	106.3	106.3
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	240.1	96.1
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	251.2	100.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	423.3	84.7
a cal 8-1000ng	8	<input type="checkbox"/>	1000	737.0	73.7
a QC 1000 (QC 4)	8	<input type="checkbox"/>	1000	738.9	73.9

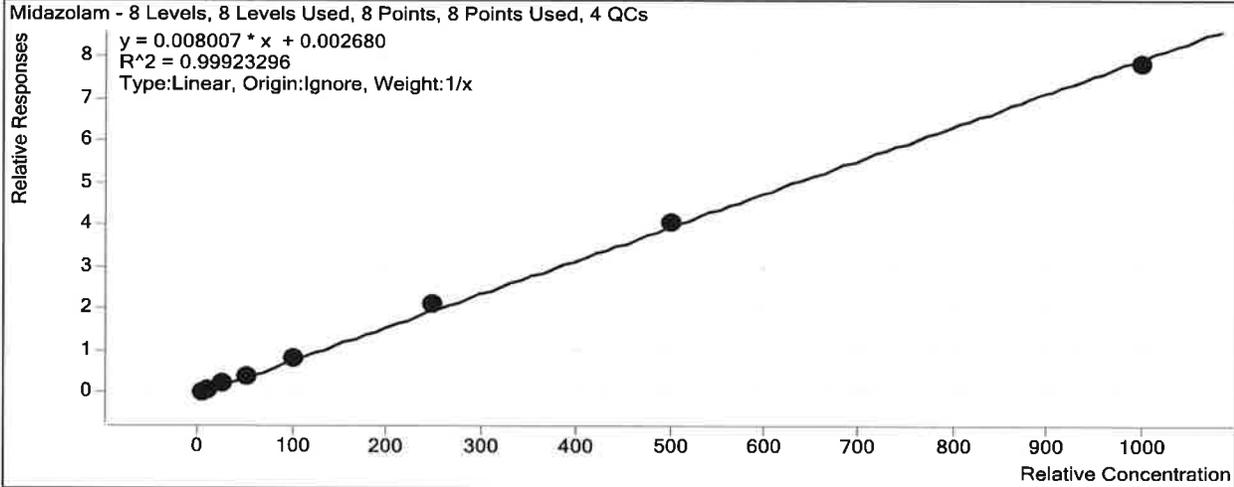
ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ
P2a 022018 TS.batch.bin

Last Calib Update 2/26/2018 2:53 PM **Analyst Name** ISP TOX

Target Compound Midazolam
Internal Standard Midazolam-D4



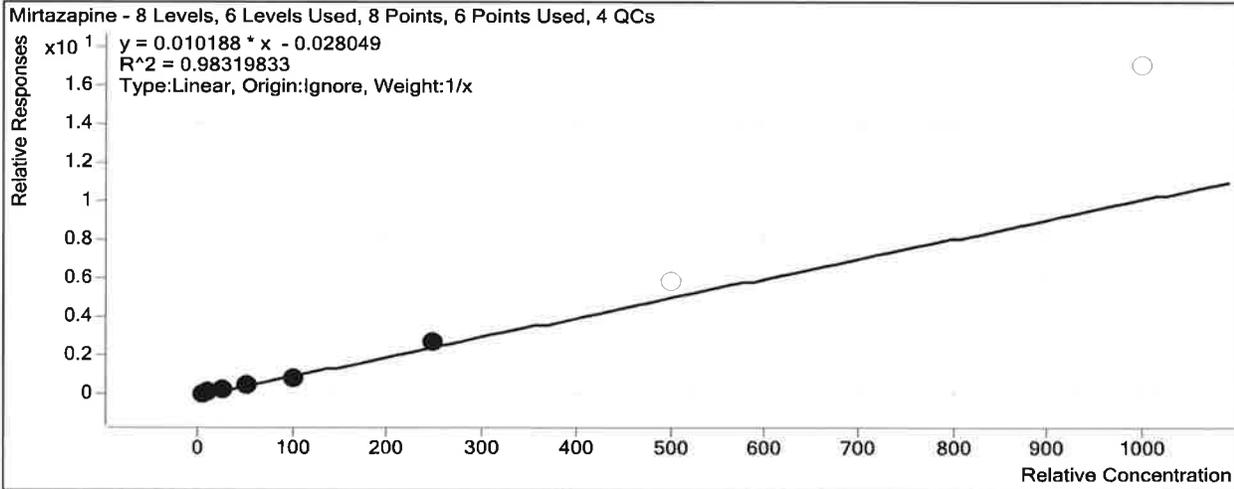
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.4	87.1
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	98.7
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.3	93.3
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.5	106.1
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.0	102.0
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.3	102.3
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	107.8	107.8
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	264.1	105.6
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	505.9	101.2
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	978.2	97.8
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	987.9	98.8

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ
P2a 022018 TS.batch.bin
Last Calib Update 2/26/2018 2:53 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	128.3
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.4	104.0
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.5	95.0
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	21.8	87.2
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	42.6	85.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	86.1	86.1
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	87.0	87.0
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	272.6	109.0
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	222.9	89.2
a cal 7-500ng	7	<input type="checkbox"/>	500	575.7	115.1
a cal 8-1000ng	8	<input type="checkbox"/>	1000	1670.6	167.1
a QC 1000 (QC 4)	8	<input type="checkbox"/>	1000	1545.3	154.5

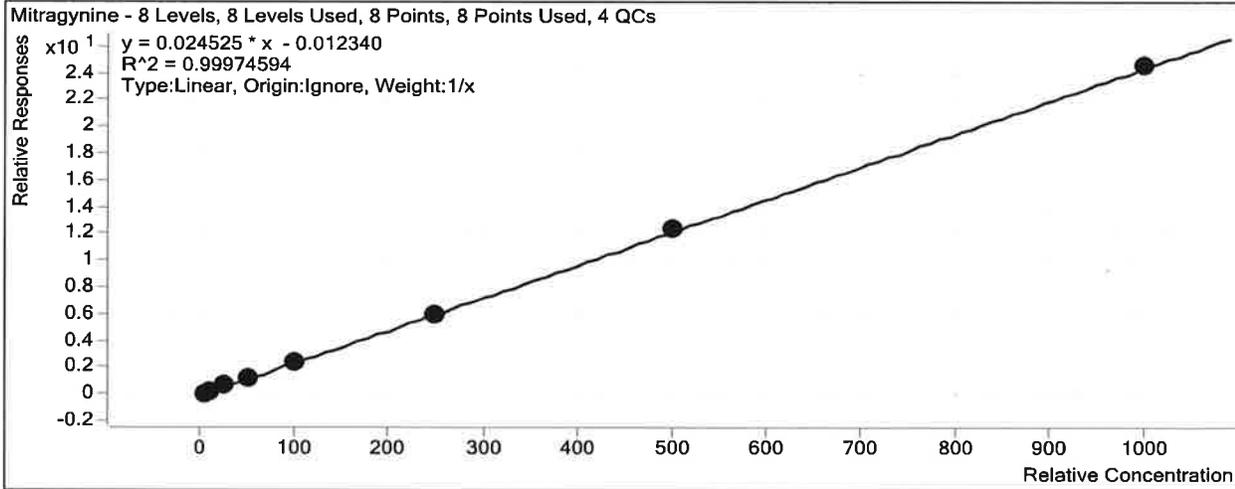
ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ
P2a 022018 TS.batch.bin

Last Calib Update 2/26/2018 2:53 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	4.9	97.9
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	101.2
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.3	103.0
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	27.0	108.0
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.7	95.4
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.9	97.9
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	91.1	91.1
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	281.4	112.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	505.6	101.1
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1001.0	100.1
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1100.0	110.0

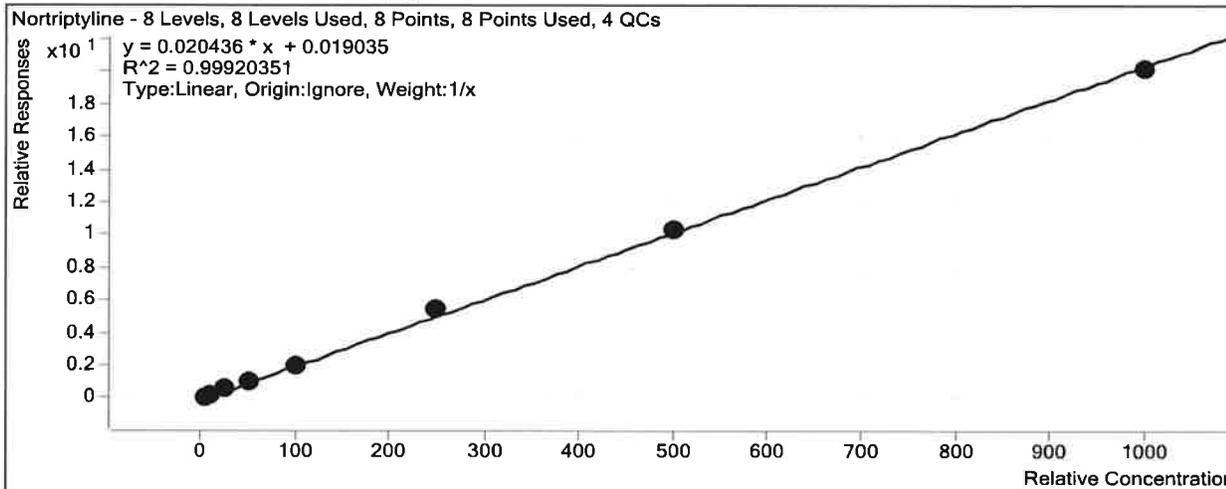
ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ
P2a 022018 TS.batch.bin

Last Calib Update 2/26/2018 2:53 PM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.7	93.0
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.5	105.3
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.1	91.0
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.9	103.8
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.2	94.5
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.2	98.2
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	101.7	101.7
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	264.6	105.8
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	253.0	101.2
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	504.5	100.9
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	984.4	98.4
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1041.9	104.2

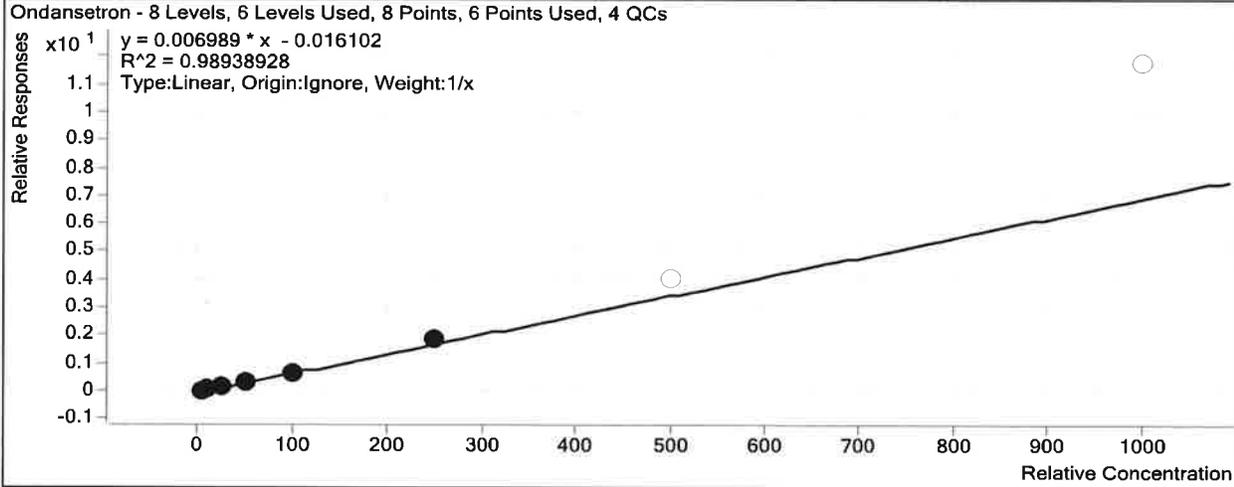
ISP Forensics Calibration Curve Report

15

Batch Data Path C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ
P2a 022018 TS.batch.bin

Last Calib Update 2/26/2018 2:53 PM **Analyst Name** ISP TOX

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



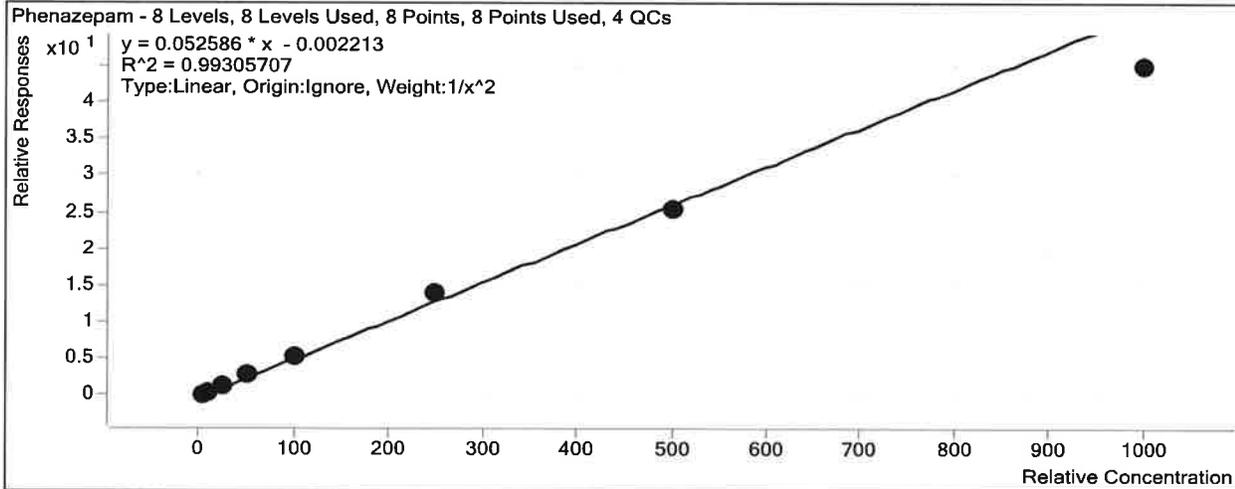
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.9	118.1
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.5	104.6
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.9	99.4
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.7	95.0
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	43.1	86.2
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	88.9	88.9
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	95.4	95.4
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	267.8	107.1
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	253.3	101.3
a cal 7-500ng	7	<input type="checkbox"/>	500	583.1	116.6
a cal 8-1000ng	8	<input type="checkbox"/>	1000	1683.9	168.4
a QC 1000 (QC 4)	8	<input type="checkbox"/>	1000	1661.4	166.1

ISP Forensics Calibration Curve Report

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Batch Data Path C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ P2a 022018 TS.batch.bin
Last Calib Update 2/26/2018 2:53 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	4.8	96.5
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.3	103.3
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.2	101.7
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.6	106.3
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	53.1	106.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.3	100.3
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	107.3	107.3
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	264.7	105.9
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	250.8	100.3
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	481.5	96.3
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	852.2	85.2
a QC 1000 (QC 4)	8	<input type="checkbox"/>	1000	832.5	83.3

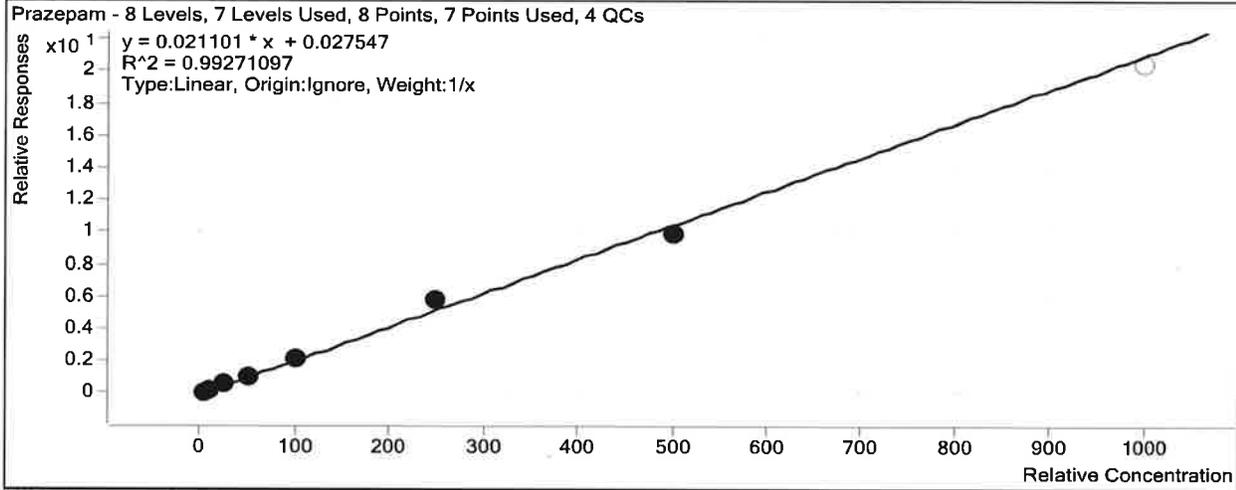
ISP Forensics Calibration Curve Report

TB

Batch Data Path C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ
P2a 022018 TS.batch.bin

Last Calib Update 2/26/2018 2:53 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	4.1	81.7
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	99.9
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.5	104.8
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	29.2	116.8
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.0	94.1
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.8	102.8
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	109.1	109.1
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	277.3	110.9
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	255.0	102.0
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	469.6	93.9
a cal 8-1000ng	8	<input type="checkbox"/>	1000	966.6	96.7
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	826.6	82.7

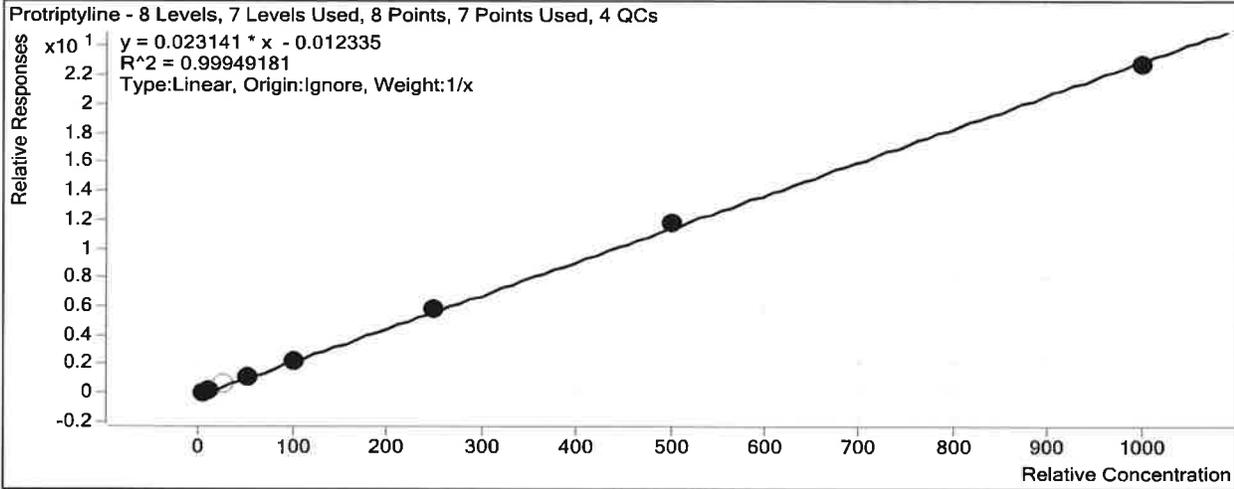
ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ
P2a 022018 TS.batch.bin

Last Calib Update 2/26/2018 2:53 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	5.0	99.3
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.2	101.7
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.5	104.6
a cal 3-25ng	3	<input type="checkbox"/>	25	26.7	106.7 - Qualifier peak cut off
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.8	97.6
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.8	97.8
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	101.6	101.6
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	256.2	102.5
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	247.5	99.0
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	513.9	102.8
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	983.2	98.3
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	988.5	98.8

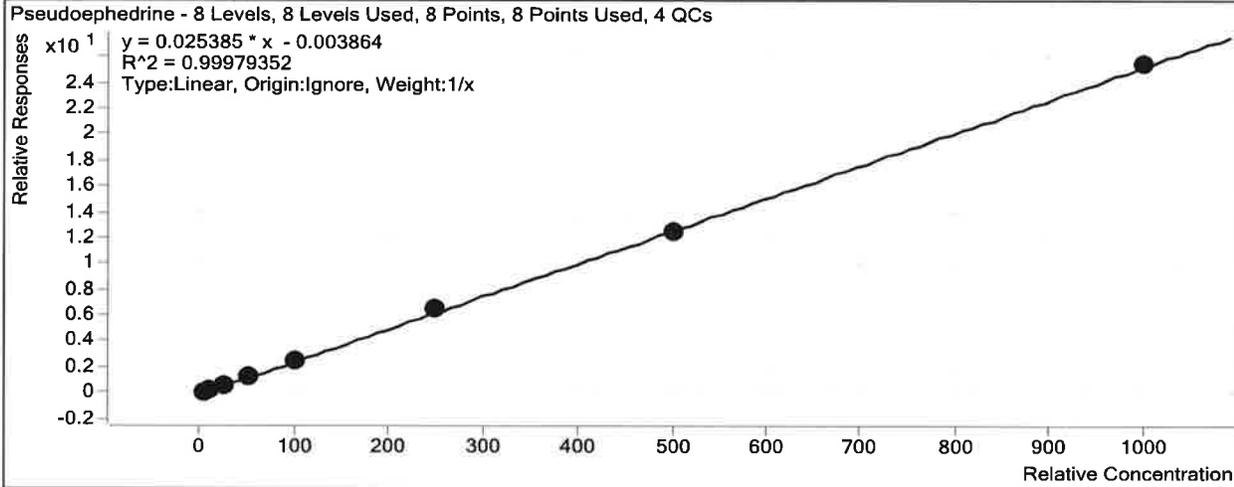
ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ
P2a 022018 TS.batch.bin

Last Calib Update 2/26/2018 2:53 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	4.8	96.9
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	100.0
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.4	104.5
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.0	104.1
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.3	98.6
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.2	99.2
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	103.6	103.6
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	256.4	102.6
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	252.7	101.1
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	491.9	98.4
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1002.3	100.2
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1010.6	101.1

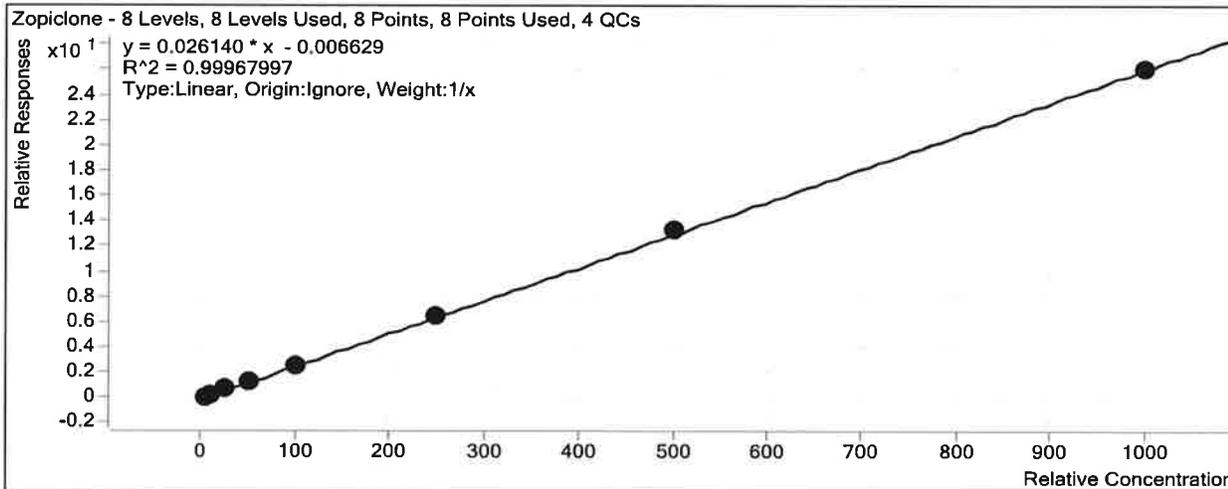
ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ
P2a 022018 TS.batch.bin

Last Calib Update 2/26/2018 2:53 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	4.9	97.8
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	101.4
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.9	98.9
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.7	106.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.2	96.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.0	97.0
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	102.9	102.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	247.5	99.0
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	247.0	98.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	510.8	102.2
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	994.9	99.5
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	985.3	98.5

TS

ISP FORENSICS - Pocatello Instrument # 59740

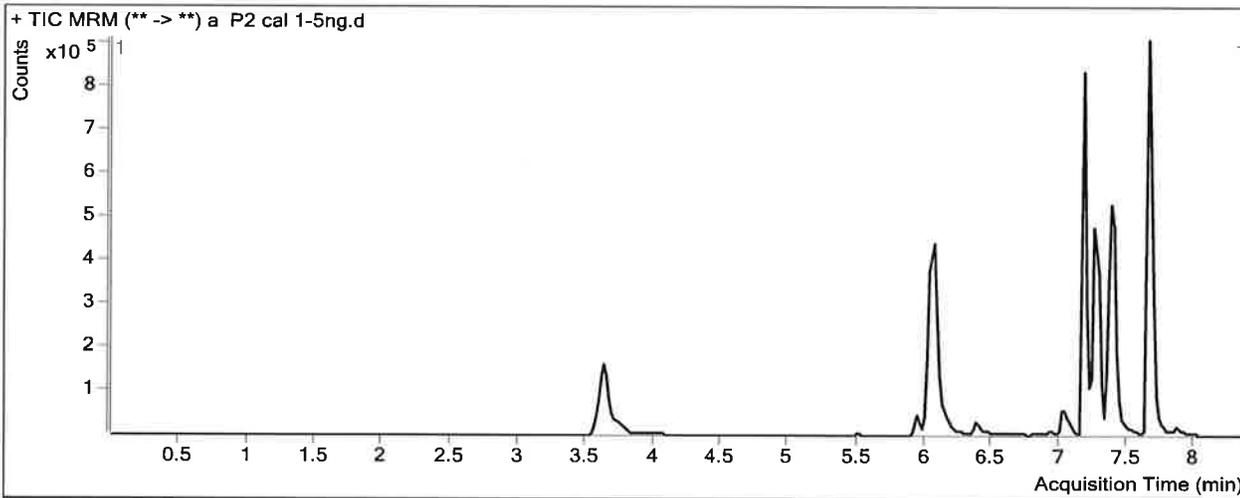
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ P2a 022018 TS.b
Analysis Time 2/26/2018 2:53 PM **Analyst Name** ISPUser
Report Time 2/26/2018 2:54 PM **Reporter Name** ISPUser
Last Calib Update 2/26/2018 2:53 PM **Batch State** Processed

Analysis Info

Acq Time 2018-02-20 12:32 **Data File** a P2 cal 1-5ng.d
Sample Type Calibration **Sample Name** a cal 1-5ng
Dilution 1 **Acq Method** MDQ Panel 2a 1-26-2018.m
Position P2-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	3.636	109422	918181	0.1192	4.8468
Levamisole	Benzoyllecgonine-d8	3.945	24168	9905	2.4399	5.0695
Benzoyllecgonine	Benzoyllecgonine-d8	5.541	1486	9905	0.1500	7.8449
Zopiclone	Zopiclone-D4	5.929	16256	134145	0.1212	4.8894
Cocaine	Cocaine-D3	6.032	75300	623111	0.1208	4.6631
Methylphenidate	Methylphenidate-D4	6.066	132360	1015444	0.1303	4.5729
Metoprolol	Methylphenidate-D4	6.081	17149	1015444	0.0169	4.7121
Ondansetron	Carbamazepine-13C6	6.156	45698	1815958	0.0252	5.9042
Mirtazapine	Carbamazepine-13C6	6.384	67751	1815958	0.0373	6.4154
Mitragynine	Doxepin-D3	6.931	21148	196344	0.1077	4.8951
Doxepin	Doxepin-D3	7.022	18628	196344	0.0949	5.0878
Carbamazepine	Carbamazepine-13C6	7.191	170416	1815958	0.0938	4.3184
Protriptyline	Protriptyline-d3	7.249	13622	132776	0.1026	4.9664
Amitriptyline	Amitriptyline-D3	7.266	20522	81701	0.2512	4.8330
Maprotiline	Nortriptyline-d3	7.266	20848	89531	0.2329	4.9984
Estazolam	Estazolam-D5	7.283	87659	852340	0.1028	5.1126
Nortriptyline	Nortriptyline-d3	7.289	10216	89531	0.1141	4.6521
alpha-hydroxymidazolam	alpha-hydroxymidazolam-D4	7.357	52022	636278	0.0818	4.7238
Midazolam	Midazolam-D4	7.379	20073	534364	0.0376	4.3569

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

TS
a cal 1-5 ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Chlordiazepoxide	Chlordiazepoxide-D5	7.402	34232	702026	0.0488	4.5690
Phenazepam	Phenazepam-D4	7.435	14275	56782	0.2514	4.8227
Prazepam	Prazepam-D5	7.661	217314	1911248	0.1137	4.0830

TS

ISP FORENSICS - Pocatello Instrument # 59740

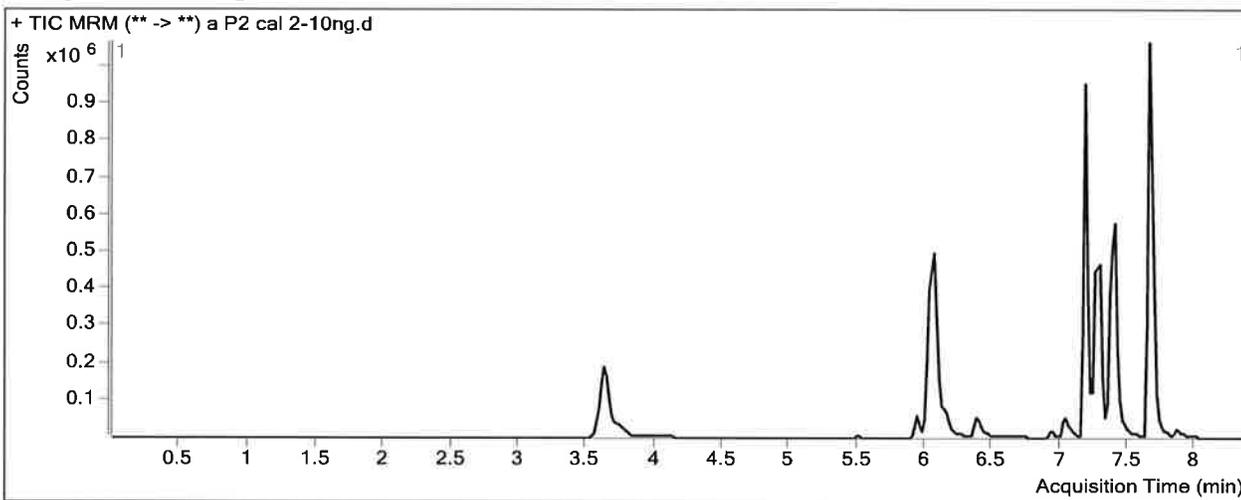
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ P2a 022018 TS.b
Analysis Time 2/26/2018 2:53 PM **Analyst Name** ISPUser
Report Time 2/26/2018 2:54 PM **Reporter Name** ISPUser
Last Calib Update 2/26/2018 2:53 PM **Batch State** Processed

Analysis Info

Acq Time 2018-02-20 13:04 **Data File** a P2 cal 2-10ng.d
Sample Type Calibration **Sample Name** a cal 2-10ng
Dilution 1 **Acq Method** MDQ Panel 2a 1-26-2018.m
Position P2-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	3.636	228490	914309	0.2499	9.9968
Levamisole	Benzoylcegonine-d8	3.905	54104	10349	5.2278	9.8580
Benzoylcegonine	Benzoylcegonine-d8	5.541	3329	10349	0.3216	12.0998
Zopiclone	Zopiclone-D4	5.929	36302	140479	0.2584	10.1392
Cocaine	Cocaine-D3	6.032	160465	603587	0.2659	10.2328
Methylphenidate	Methylphenidate-D4	6.066	261601	976776	0.2678	9.8791
Metoprolol	Methylphenidate-D4	6.081	34841	976776	0.0357	10.5269
Ondansetron	Carbamazepine-13C6	6.156	94138	1651247	0.0570	10.4606
Mirtazapine	Carbamazepine-13C6	6.384	128648	1651247	0.0779	10.4007
Mitragynine	Doxepin-D3	6.931	36494	154709	0.2359	10.1217
Doxepin	Doxepin-D3	7.042	32261	154709	0.2085	10.5808
Carbamazepine	Carbamazepine-13C6	7.191	346004	1651247	0.2095	10.6411
Protriptyline	Protriptyline-d3	7.249	24603	110330	0.2230	10.1695
Amitriptyline	Amitriptyline-D3	7.266	35023	68703	0.5098	10.2957
Maprotiline	Nortriptyline-d3	7.286	36174	73765	0.4904	10.1050
Estazolam	Estazolam-D5	7.283	173815	836590	0.2078	10.0039
Nortriptyline	Nortriptyline-d3	7.289	17284	73765	0.2343	10.5342
alpha-hydroxymidazolam	alpha-hydroxymidazolam-D4	7.357	118570	619193	0.1915	10.6034
Midazolam	Midazolam-D4	7.399	42829	523983	0.0817	9.8739

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

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a cal 2-10ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Chlordiazepoxide	Chlordiazepoxide-D5	7.402	74619	621116	0.1201	11.4751
Phenazepam	Phenazepam-D4	7.435	30287	55994	0.5409	10.3280
Prazepam	Prazepam-D5	7.661	427360	1793407	0.2383	9.9875

TS

ISP FORENSICS - Pocatello Instrument # 59740

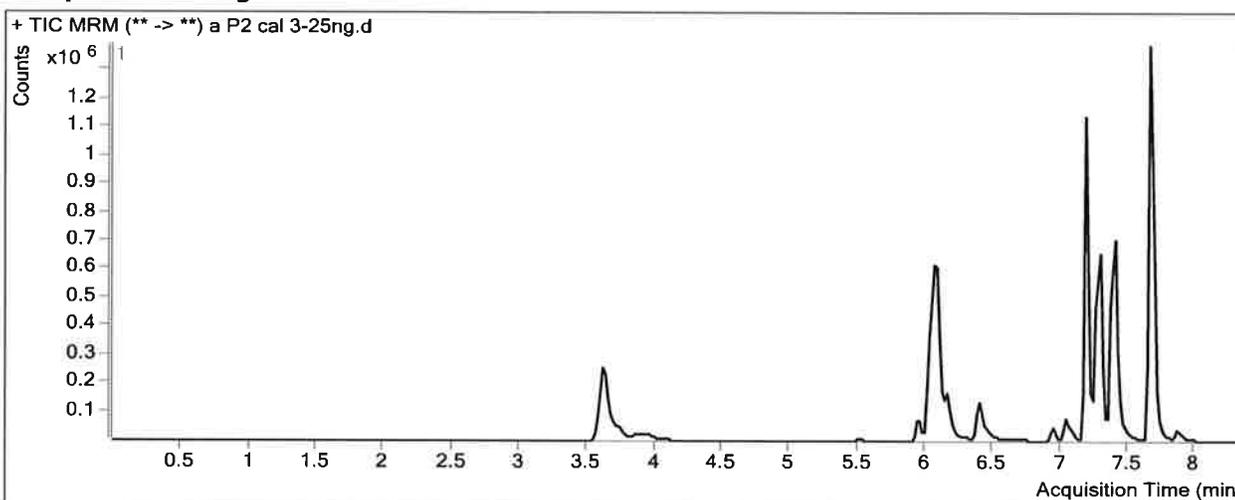
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ P2a 022018 TS.b
Analysis Time 2/26/2018 2:53 PM **Analyst Name** ISPUser
Report Time 2/26/2018 2:54 PM **Reporter Name** ISPUser
Last Calib Update 2/26/2018 2:53 PM **Batch State** Processed

Analysis Info

Acq Time 2018-02-20 14:15 **Data File** a P2 cal 3-25ng.d
Sample Type Calibration **Sample Name** a cal 3-25ng
Dilution 1 **Acq Method** MDQ Panel 2a 1-26-2018.m
Position P2-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	3.616	586243	892503	0.6569	26.0277
Levamisole	Benzoylcegonine-d8	3.905	128328	8993	14.2692	25.3879
Benzoylcegonine	Benzoylcegonine-d8	5.521	8303	8993	0.9232	27.0147
Zopiclone	Zopiclone-D4	5.949	89704	129653	0.6919	26.7215
Cocaine	Cocaine-D3	6.032	398218	589023	0.6761	25.9891
Methylphenidate	Methylphenidate-D4	6.086	654988	947350	0.6914	26.2280
Metoprolol	Methylphenidate-D4	6.101	88837	947350	0.0938	28.5163
Ondansetron	Carbamazepine-13C6	6.156	250955	1674217	0.1499	23.7499
Mirtazapine	Carbamazepine-13C6	6.404	324979	1674217	0.1941	21.8065
Mitragynine	Doxepin-D3	6.931	96220	148021	0.6500	27.0088
Doxepin	Doxepin-D3	7.042	74727	148021	0.5048	24.9017
Carbamazepine	Carbamazepine-13C6	7.191	851385	1674217	0.5085	26.9804
Protriptyline	Protriptyline-d3	7.249	55556	91819	0.6051	26.6800
Amitriptyline	Amitriptyline-D3	7.286	76835	58860	1.3054	27.1031
Maprotiline	Nortriptyline-d3	7.286	77143	61111	1.2624	25.4120
Estazolam	Estazolam-D5	7.283	418379	770953	0.5427	25.6169
Nortriptyline	Nortriptyline-d3	7.289	33568	61111	0.5493	25.9466
alpha-hydroxymidazolam	alpha-hydroxymidazolam-D4	7.357	307678	597464	0.5150	27.9360
Midazolam	Midazolam-D4	7.399	109961	511327	0.2151	26.5237

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

TS

a cal 3-25ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Chlordiazepoxide	Chlordiazepoxide-D5	7.402	171185	619298	0.2764	26.5964
Phenazepam	Phenazepam-D4	7.435	65073	46643	1.3951	26.5723
Prazepam	Prazepam-D5	7.661	1044723	1623327	0.6436	29.1939

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

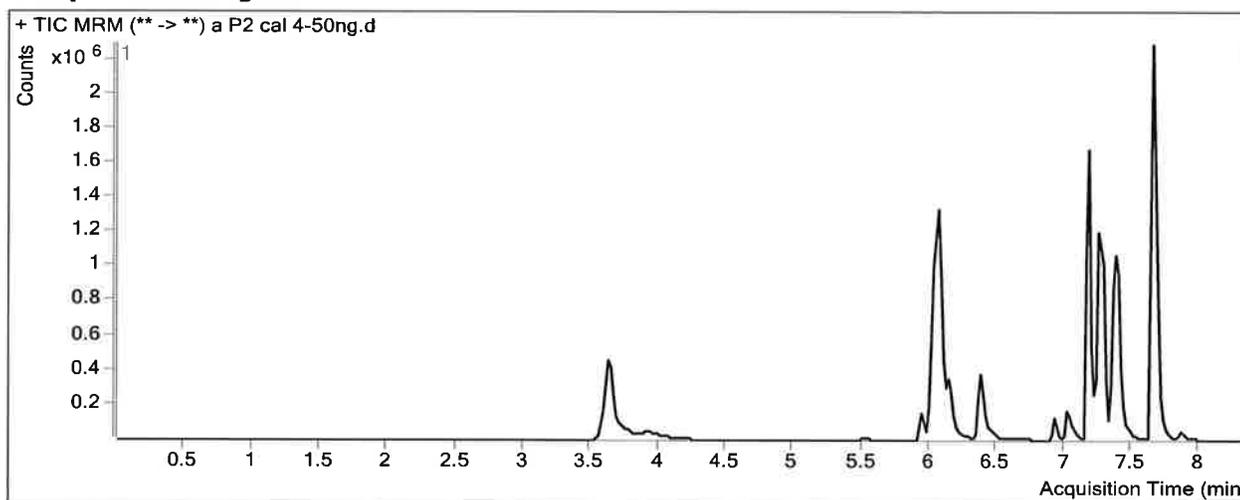
TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ P2a 022018 TS.b
Analysis Time 2/26/2018 2:53 PM **Analyst Name** ISPUser
Report Time 2/26/2018 2:54 PM **Reporter Name** ISPUser
Last Calib Update 2/26/2018 2:53 PM **Batch State** Processed

Analysis Info

Acq Time 2018-02-20 14:47 **Data File** a P2 cal 4-50ng.d
Sample Type Calibration **Sample Name** a cal 4-50ng
Dilution 1 **Acq Method** MDQ Panel 2a 1-26-2018.m
Position P2-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	3.636	1431597	1146878	1.2483	49.3249
Levamisole	Benzoyllecgonine-d8	3.925	324999	12799	25.3923	44.4932
Benzoyllecgonine	Benzoyllecgonine-d8	5.541	19619	12799	1.5329	42.1308
Zopiclone	Zopiclone-D4	5.929	242449	193550	1.2526	48.1734
Cocaine	Cocaine-D3	6.012	999148	760965	1.3130	50.4538
Methylphenidate	Methylphenidate-D4	6.066	1685544	1267708	1.3296	50.8615
Metoprolol	Methylphenidate-D4	6.081	217385	1267708	0.1715	52.5742
Ondansetron	Carbamazepine-13C6	6.136	602075	2110627	0.2853	43.1172
Mirtazapine	Carbamazepine-13C6	6.384	857727	2110627	0.4064	42.6432
Mitragynine	Doxepin-D3	6.911	281811	243364	1.1580	47.7203
Doxepin	Doxepin-D3	7.022	232183	243364	0.9541	46.6121
Carbamazepine	Carbamazepine-13C6	7.191	1926112	2110627	0.9126	49.0614
Protriptyline	Protriptyline-d3	7.249	198607	177787	1.1171	48.8074
Amitriptyline	Amitriptyline-D3	7.266	277516	114553	2.4226	50.7037
Maprotiline	Nortriptyline-d3	7.266	277826	119025	2.3342	46.6652
Estazolam	Estazolam-D5	7.283	977593	911664	1.0723	50.3078
Nortriptyline	Nortriptyline-d3	7.289	117197	119025	0.9846	47.2492
alpha-hydroxymidazolam	alpha-hydroxymidazolam-D4	7.357	695550	744098	0.9348	50.4285
Midazolam	Midazolam-D4	7.379	263357	640846	0.4110	50.9904

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

TS

a cal 4-50ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Chlordiazepoxide	Chlordiazepoxide-D5	7.402	369088	783921	0.4708	45.4065
Phenazepam	Phenazepam-D4	7.435	155222	55602	2.7917	53.1293
Prazepam	Prazepam-D5	7.661	2293193	2248283	1.0200	47.0321

TS

ISP FORENSICS - Pocatello Instrument # 59740

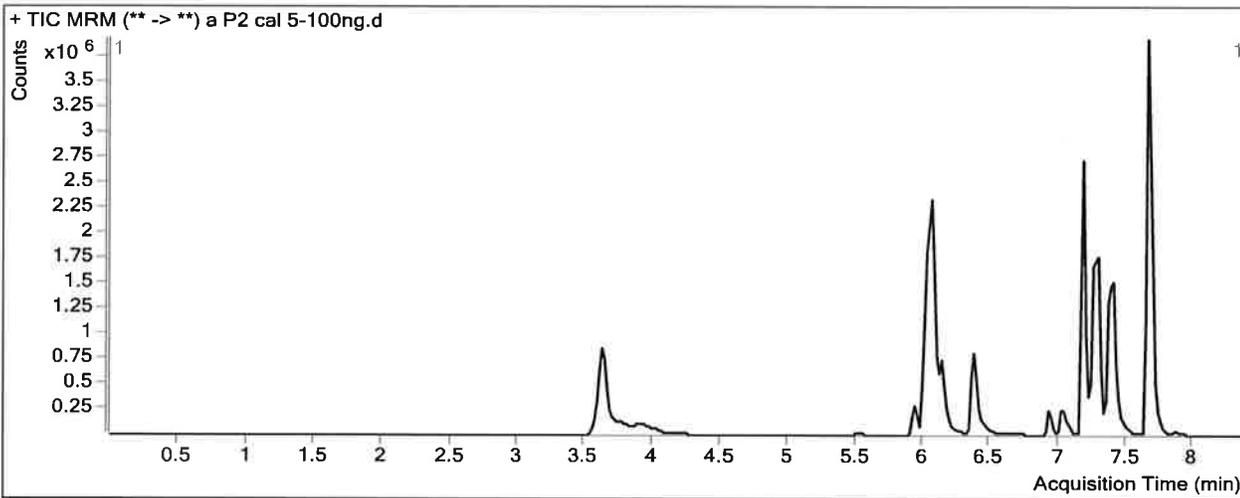
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ P2a 022018 TS.bi
Analysis Time 2/26/2018 2:53 PM **Analyst Name** ISPUser
Report Time 2/26/2018 2:54 PM **Reporter Name** ISPUser
Last Calib Update 2/26/2018 2:53 PM **Batch State** Processed

Analysis Info

Acq Time 2018-02-20 15:18 **Data File** a P2 cal 5-100ng.d
Sample Type Calibration **Sample Name** a cal 5-100ng
Dilution 1 **Acq Method** MDQ Panel 2a 1-26-2018.m
Position P2-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	3.636	3289768	1308995	2.5132	99.1551
Levamisole	Benzoylecgonine-d8	3.925	744353	13415	55.4861	96.1833
Benzoylecgonine	Benzoylecgonine-d8	5.541	45220	13415	3.3708	87.6998
Zopiclone	Zopiclone-D4	5.929	551122	218007	2.5280	96.9621
Cocaine	Cocaine-D3	6.012	2172453	847603	2.5631	98.4685
Methylphenidate	Methylphenidate-D4	6.066	3608163	1393900	2.5885	99.4538
Metoprolol	Methylphenidate-D4	6.081	455111	1393900	0.3265	100.5702
Ondansetron	Carbamazepine-13C6	6.136	1301730	2149541	0.6056	88.9478
Mirtazapine	Carbamazepine-13C6	6.384	1825872	2149541	0.8494	86.1311
Mitragynine	Doxepin-D3	6.931	573889	240295	2.3883	97.8859
Doxepin	Doxepin-D3	7.042	483267	240295	2.0111	97.7009
Carbamazepine	Carbamazepine-13C6	7.191	3892889	2149541	1.8110	98.1610
Protriptyline	Protriptyline-d3	7.249	380869	169217	2.2508	97.7977
Amitriptyline	Amitriptyline-D3	7.266	537297	109898	4.8890	102.8073
Maprotiline	Nortriptyline-d3	7.266	542468	114393	4.7421	94.4116
Estazolam	Estazolam-D5	7.283	1869370	913066	2.0474	95.7626
Nortriptyline	Nortriptyline-d3	7.289	231646	114393	2.0250	98.1561
alpha-hydroxymidazolam	alpha-hydroxymidazolam-D4	7.357	1410670	735193	1.9188	103.1536
Midazolam	Midazolam-D4	7.379	562360	684302	0.8218	102.3026

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Multi-Drug Confirmatory Analysis Report

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a cal 5-100ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Chlordiazepoxide	Chlordiazepoxide-D5	7.402	771207	765695	1.0072	97.3044
Phenazepam	Phenazepam-D4	7.435	275093	52169	5.2731	100.3171
Prazepam	Prazepam-D5	7.661	5178371	2357606	2.1965	102.7864

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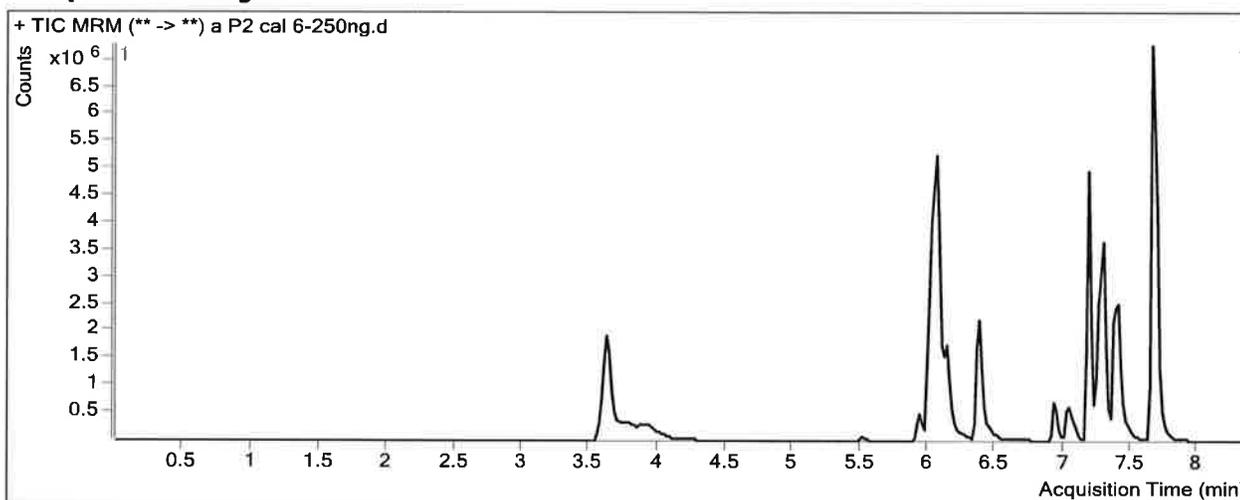
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ P2a 022018 TS.bi
Analysis Time 2/26/2018 2:53 PM **Analyst Name** ISPUser
Report Time 2/26/2018 2:54 PM **Reporter Name** ISPUser
Last Calib Update 2/26/2018 2:53 PM **Batch State** Processed

Analysis Info

Acq Time 2018-02-20 15:50 **Data File** a P2 cal 6-250ng.d
Sample Type Calibration **Sample Name** a cal 6-250ng
Dilution 1 **Acq Method** MDQ Panel 2a 1-26-2018.m
Position P2-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	3.636	8490515	1305124	6.5055	256.4251
Levamisole	Benzoylcegonine-d8	3.905	2017837	12065	167.2504	288.1531
Benzoylcegonine	Benzoylcegonine-d8	5.541	115466	12065	9.5705	241.4130
Zopiclone	Zopiclone-D4	5.929	1118804	173140	6.4618	247.4516
Cocaine	Cocaine-D3	6.012	5621694	845696	6.6474	255.3493
Methylphenidate	Methylphenidate-D4	6.066	9379464	1388945	6.7529	260.1910
Metoprolol	Methylphenidate-D4	6.081	1079606	1388945	0.7773	240.1354
Ondansetron	Carbamazepine-13C6	6.136	3321187	1789637	1.8558	267.8203
Mirtazapine	Carbamazepine-13C6	6.384	4919953	1789637	2.7491	272.6030
Mitragynine	Doxepin-D3	6.931	1645765	273635	6.0145	245.7452
Doxepin	Doxepin-D3	7.042	1461007	273635	5.3393	258.5485
Carbamazepine	Carbamazepine-13C6	7.191	8488051	1789637	4.7429	258.3838
Protriptyline	Protriptyline-d3	7.249	1058293	178902	5.9155	256.1646
Amitriptyline	Amitriptyline-D3	7.286	1546023	131928	11.7187	247.0832
Maprotiline	Nortriptyline-d3	7.286	1591322	121162	13.1339	260.8100
Estazolam	Estazolam-D5	7.283	3681342	689465	5.3394	249.2332
Nortriptyline	Nortriptyline-d3	7.289	657478	121162	5.4265	264.5969
alpha-hydroxymidazolam	alpha-hydroxymidazolam-D4	7.357	2964507	619593	4.7846	256.7083
Midazolam	Midazolam-D4	7.399	1333981	635439	2.0993	261.8543

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a cal 6-250ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Chlordiazepoxide	Chlordiazepoxide-D5	7.402	1462908	581281	2.5167	243.3590
Phenazepam	Phenazepam-D4	7.435	487343	35019	13.9165	264.6841
Prazepam	Prazepam-D5	7.661	11637000	1979622	5.8784	277.2770

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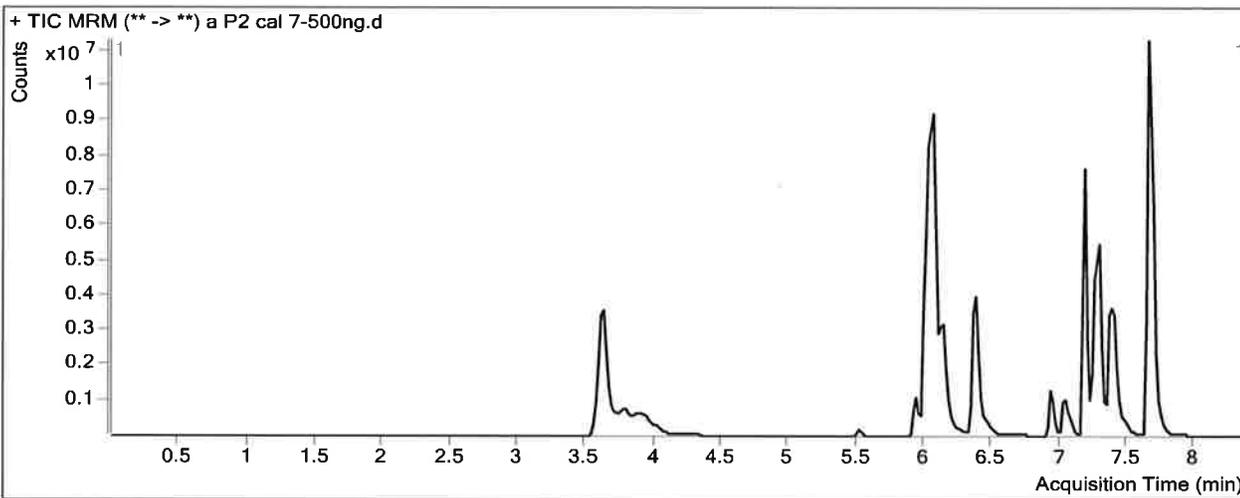
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ P2a 022018 TS.bi
Analysis Time 2/26/2018 2:53 PM **Analyst Name** ISPUser
Report Time 2/26/2018 2:55 PM **Reporter Name** ISPUser
Last Calib Update 2/26/2018 2:53 PM **Batch State** Processed

Analysis Info

Acq Time 2018-02-20 16:21 **Data File** a P2 cal 7-500ng.d
Sample Type Calibration **Sample Name** a cal 7-500ng
Dilution 1 **Acq Method** MDQ Panel 2a 1-26-2018.m
Position P2-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	3.636	17659803	1414748	12.4826	491.8826
Levamisole	Benzoylcegonine-d8	3.885	4431248	15049	294.4594	506.6514
Benzoylcegonine	Benzoylcegonine-d8	5.521	300688	15049	19.9809	499.5261
Zopiclone	Zopiclone-D4	5.929	2489575	186549	13.3454	510.7836
Cocaine	Cocaine-D3	6.012	11669591	906394	12.8747	494.5416
Methylphenidate	Methylphenidate-D4	6.066	18256289	1388490	13.1483	507.0386
Metoprolol	Methylphenidate-D4	6.081	1900494	1388490	1.3687	423.2566
Ondansetron	Carbamazepine-13C6	6.136	6467734	1593346	4.0592	583.0754
Mirtazapine	Carbamazepine-13C6	6.384	9299745	1593346	5.8366	575.6642
Mitragynine	Doxepin-D3	6.931	3068245	247694	12.3872	505.5977
Doxepin	Doxepin-D3	7.042	2499846	247694	10.0925	488.2708
Carbamazepine	Carbamazepine-13C6	7.191	14722954	1593346	9.2403	504.1611
Protriptyline	Protriptyline-d3	7.249	1698879	143011	11.8794	513.8870
Amitriptyline	Amitriptyline-D3	7.266	2634135	116761	22.5600	476.1045
Maprotiline	Nortriptyline-d3	7.286	2697905	104592	25.7945	511.8557
Estazolam	Estazolam-D5	7.283	6013906	575179	10.4557	487.7467
Nortriptyline	Nortriptyline-d3	7.289	1080353	104592	10.3292	504.4988
alpha-hydroxymidazolam	alpha-hydroxymidazolam-D4	7.357	4786871	563967	8.4879	455.1336
Midazolam	Midazolam-D4	7.379	2507445	618574	4.0536	505.9305

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Multi-Drug Confirmatory Analysis Report

TS

a cal 7-500ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Chlordiazepoxide	Chlordiazepoxide-D5	7.402	2324083	441730	5.2613	508.9198
Phenazepam	Phenazepam-D4	7.435	737008	29109	25.3191	481.5203
Prazepam	Prazepam-D5	7.661	20100871	2022735	9.9375	469.6401

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Multi-Drug Confirmatory Analysis Report

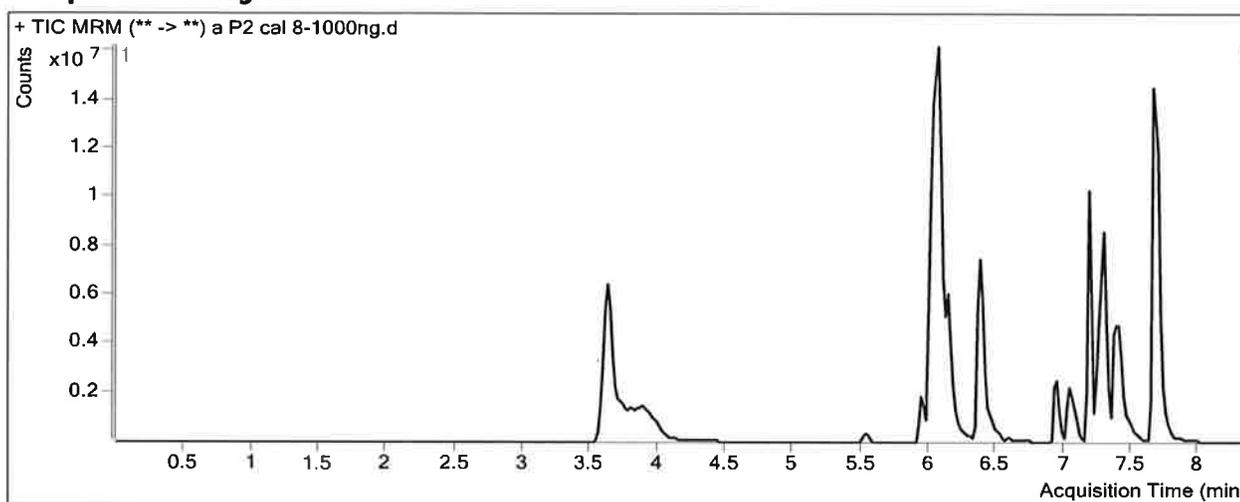
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Batch Data Path	C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ P2a 022018 TS.bi		
Analysis Time	2/26/2018 2:53 PM	Analyst Name	ISPUser
Report Time	2/26/2018 2:55 PM	Reporter Name	ISPUser
Last Calib Update	2/26/2018 2:53 PM	Batch State	Processed

Analysis Info

Acq Time	2018-02-20 16:53	Data File	a P2 cal 8-1000ng.d
Sample Type	Calibration	Sample Name	a cal 8-1000ng
Dilution	1	Acq Method	MDQ Panel 2a 1-26-2018.m
Position	P2-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	3.636	34678783	1363122	25.4407	1002.3410
Levamisole	Benzoylecgonine-d8	3.885	9272843	16483	562.5736	967.1728
Benzoylecgonine	Benzoylecgonine-d8	5.541	678756	16483	41.1794	1025.1158
Zopiclone	Zopiclone-D4	5.929	4352160	167391	25.9999	994.8791
Cocaine	Cocaine-D3	6.012	22777591	874644	26.0421	1000.3018
Methylphenidate	Methylphenidate-D4	6.066	32918826	1293580	25.4479	981.7750
Metoprolol	Methylphenidate-D4	6.081	3081401	1293580	2.3821	736.9877
Ondansetron	Carbamazepine-13C6	6.136	12269712	1043925	11.7534	1683.9253
Mirtazapine	Carbamazepine-13C6	6.384	17738178	1043925	16.9918	1670.6370
Mitragynine	Doxepin-D3	6.931	6587480	268467	24.5374	1001.0253
Doxepin	Doxepin-D3	7.042	5598184	268467	20.8524	1008.2974
Carbamazepine	Carbamazepine-13C6	7.191	18894224	1043925	18.0992	988.2927
Protriptyline	Protriptyline-d3	7.269	3174553	139603	22.7398	983.2074
Amitriptyline	Amitriptyline-D3	7.286	5443530	122662	44.3783	937.0131
Maprotiline	Nortriptyline-d3	7.286	5604512	108041	51.8740	1028.9798
Estazolam	Estazolam-D5	7.283	7522598	345203	21.7918	1016.2164
Nortriptyline	Nortriptyline-d3	7.289	2175510	108041	20.1360	984.3662
alpha-hydroxymidazolam	alpha-hydroxymidazolam-D4	7.357	6726986	400534	16.7950	900.2438
Midazolam	Midazolam-D4	7.399	4164821	531585	7.8347	978.1678

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

TS

a cal 8-1000ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Chlordiazepoxide	Chlordiazepoxide-D5	7.422	3352128	323527	10.3612	1002.3697
Phenazepam	Phenazepam-D4	7.455	1004632	22418	44.8135	852.2347
Prazepam	Prazepam-D5	7.661	31562141	1545316	20.4244	966.6249