Worklist: 2209

LAB CASE	ITEM	TASK ID	DESCRIPTION
C2018-0028	1	106610	AM 28 Blood Multi-Drug Quant
C2018-0045	1	108338	AM 28 Blood Multi-Drug Quant
P2018-0423	1	108339	AM 28 Blood Multi-Drug Quant

Panel 2b was reinjected due to the incorrect method was selected in the original run.

LAB CASE	ITEM	TASK ID	DESCRIPTION
	1		

MDQ P2

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

Extraction Date: 02/20/18   Analyst: Sarah Pickle
Plate lot#: 0507680   Plate Expiration: 06/05/2018

Mobile phase A: 5mM Amm Form + 0.01% FA   **Mobile phase B**: 0.01% Formic Acid in MeOH
　　0.5M Ammonium Hydroxide　　　　　　　　　　　Ethyl Acetate
　　20% Methanol in Water
Blank Blood Lot: 361331-2   **Column**: Agilent 120 EC-C18 (2.1x 100-4um)
LCMS-QQQ ID: 59740

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

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

Post-Analytic
- ☑ 1. Create batch and process data.
  Worklist path: 022018 mDQ P1 and P2 TS and SP   Batch Name: MDQ P2a 022018 SP
  MDQ P2b 022018 SP
- ☑ 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 transition >10 and secondary transition >5.
- ☑ 5. Did all QCs pass for each analyte? Y / N _____
- ☑ 6. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

COMMENTS: Curve Range Limited: metoprolol 5-250, mirtazapine 5-250, ondansetron 5-500, prazepam 5-500, benzoylecgonine 10-1000, amoxapine 5-500, norpropoxyphene 25-1000, cocaine 5-500
Did not evaluate: Desipramine, Phenytoin
QC 1000 alphahydroxmidazolam not evaluated top cut off peak

Steps 3-16 of the analysis was performed by Tamara Salazar acting as primary technician. I pipetted my own samples (step #2). I witnessed, reviewed, and approved of all work during the extraction.

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	FE08051202	8/31/2021

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

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ P2a 022018 SP.b
Analysis Time	3/5/2018 8:58 AM **Analyst Name** ISPUser
Report Time	3/5/2018 9:13 AM **Reporter Name** ISPUser
Last Calib Update	3/5/2018 8:58 AM **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

+ TIC MRM (** -> **) a P2 Negative control.d
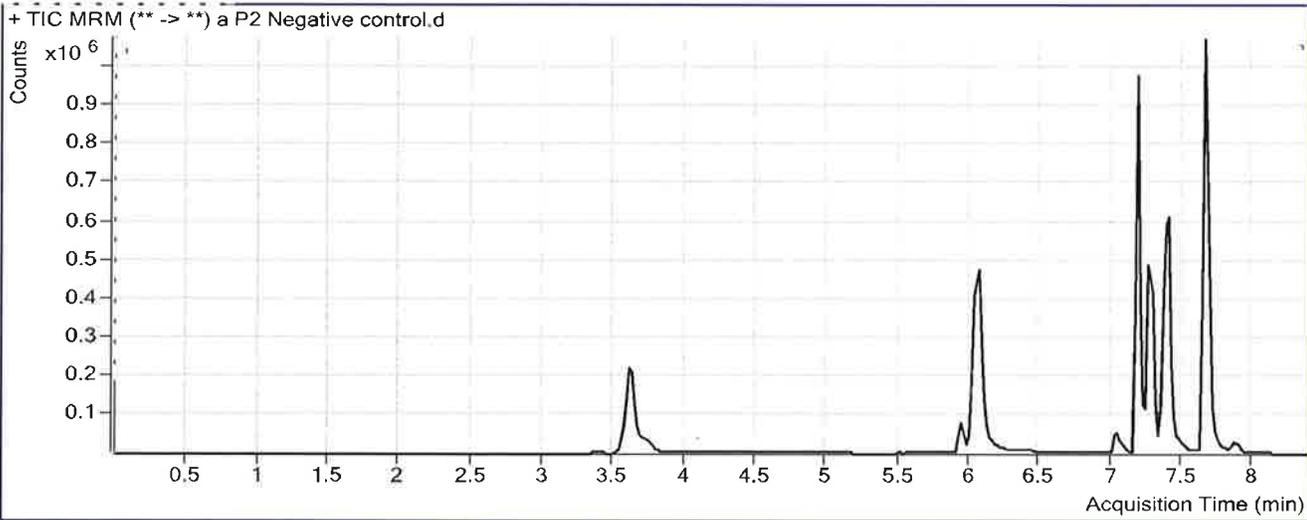
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Mirtazapine	Carbamazepine-13C6	6.444	3569	2309536	0.0015	2.8874 <5
Carbamazepine	Carbamazepine-13C6	7.191	13802	2309536	0.0060	0.0000 <5
Protriptyline	Protriptyline-d3	7.269	4770	120627	0.0395	1.7429 <5
Amitriptyline	Amitriptyline-D3	7.286	7327	74368	0.0985	1.6628 <5
Maprotiline	Nortriptyline-d3	7.266	6631	77112	0.0860	2.0976 <5
alpha-hydroxymidazolam	alpha-hydroxymidazolam-D4	7.357	6340	815359	0.0078	0.7597 <5
Prazepam	Prazepam-D5	7.661	44969	2450694	0.0183	0.0000 <5

|			
Batch Data Path	C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ P2a 022018 SP.b:		
Analysis Time	3/5/2018 8:58 AM	**Analyst Name**	ISPUser
Report Time	3/5/2018 9:13 AM	**Reporter Name**	ISPUser
Last Calib Update	3/5/2018 8:58 AM	**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

+ TIC MRM (** -> **) a P2 External control-50ng mL.d
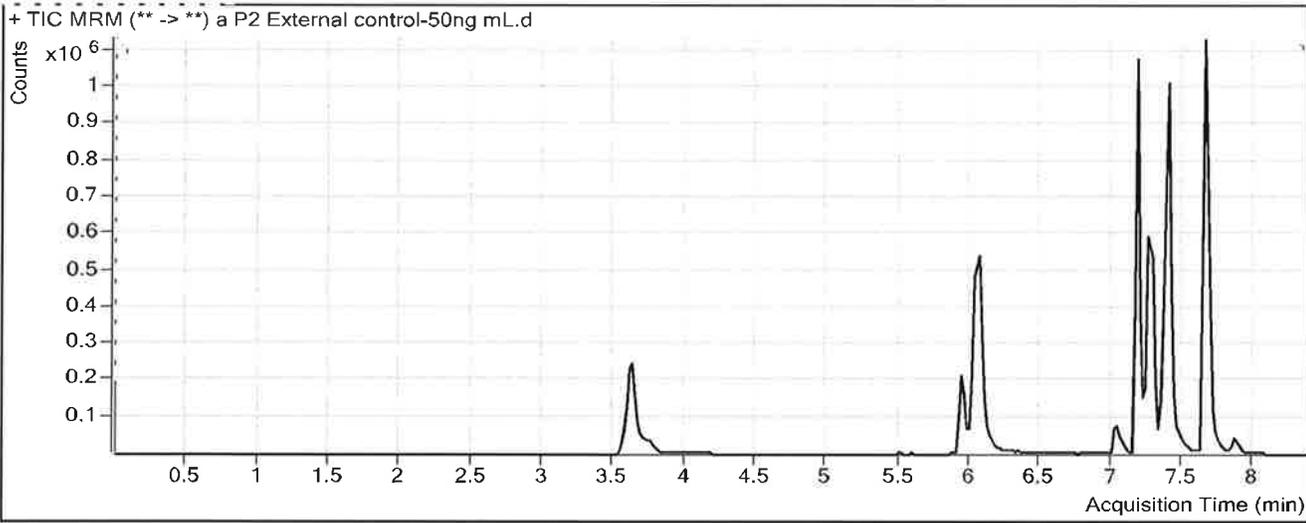
Results

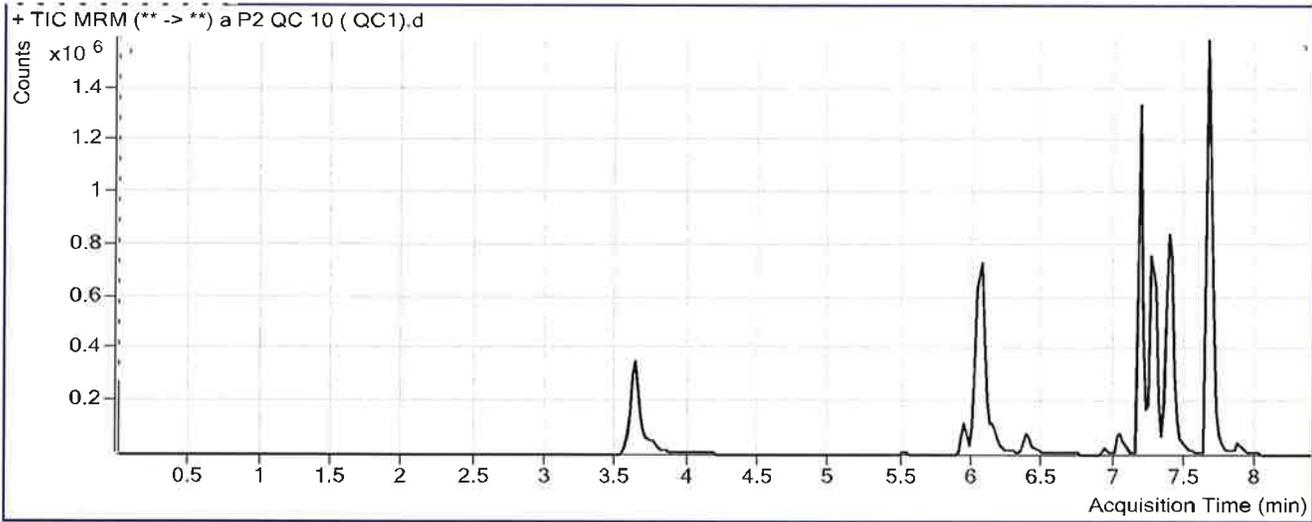| Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Zopiclone	Zopiclone-D4	5.929	316138	282266	1.1200	43.0992
Chlordiazepoxide	Chlordiazepoxide-D5	7.402	566067	885576	0.6392	61.5822

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ P2a 022018 SP.b:
Analysis Time	3/5/2018 8:58 AM **Analyst Name** ISPUser
Report Time	3/5/2018 9:13 AM **Reporter Name** ISPUser
Last Calib Update	3/5/2018 8:58 AM **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

+ TIC MRM (** -> **) a P2 QC 10 (QC1).d

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Pseudoephedrine	Pseudoephedrine-D3	3.636	395962	1515371	0.2613	10.4494
Levamisole	Benzoylecgonine-d8	3.945	77658	14465	5.3687	10.1759
Benzoylecgonine	Benzoylecgonine-d8	5.541	6277	14465	0.4340	13.2987
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	9.9961
Ondansetron	Carbamazepine-13C6	6.136	143118	2681179	0.0534	9.3147
Mirtazapine	Carbamazepine-13C6	6.384	183858	2681179	0.0686	9.4568
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	38332	176713	0.2169	9.7195
Amitriptyline	Amitriptyline-D3	7.266	56157	109788	0.5115	10.6674
Estazolam	Estazolam-D5	7.283	273824	1219921	0.2245	10.7821
Maprotiline	Nortriptyline-d3	7.266	62543	117060	0.5343	11.0461
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

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Chlordiazepoxide	Chlordiazepoxide-D5	7.402	105652	969823	0.1089	10.4229
Phenazepam	Phenazepam-D4	7.435	42013	78873	0.5327	10.1715
Prazepam	Prazepam-D5	7.661	719330	2892350	0.2487	10.4807

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 SP.b₂		
Analysis Time	3/5/2018 8:58 AM	**Analyst Name**	ISPUser
Report Time	3/5/2018 9:13 AM	**Reporter Name**	ISPUser
Last Calib Update	3/5/2018 8:58 AM	**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
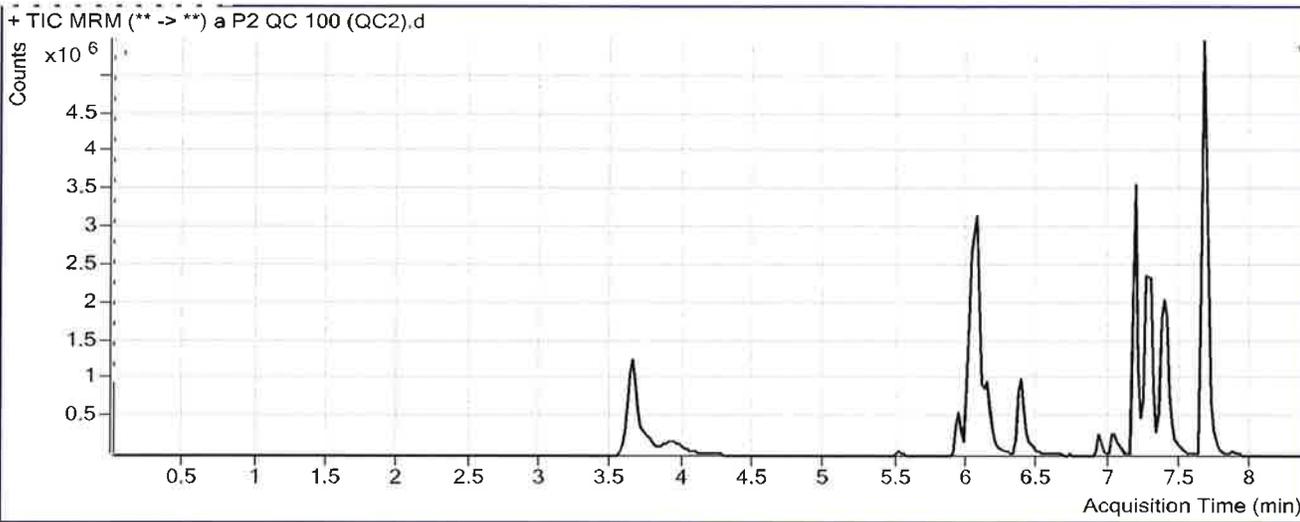
Sample Chromatogram

+ TIC MRM (** -> **) a P2 QC 100 (QC2).d

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Pseudoephedrine	Pseudoephedrine-D3	3.656	4973656	1893603	2.6266	103.6241
Levamisole	Benzoylecgonine-d8	3.925	1078465	16799	64.1993	112.2893
Benzoylecgonine	Benzoylecgonine-d8	5.541	80889	16799	4.8152	131.4110
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	102.0076
Ondansetron	Carbamazepine-13C6	6.136	1791371	2782928	0.6437	95.6561
Mirtazapine	Carbamazepine-13C6	6.384	2386998	2782928	0.8577	86.8020
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	526227	225453	2.3341	104.9275
Amitriptyline	Amitriptyline-D3	7.266	747399	150512	4.9657	107.7843
Estazolam	Estazolam-D5	7.283	2494127	1151589	2.1658	101.2849
Maprotiline	Nortriptyline-d3	7.266	767862	167634	4.5806	91.8173
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

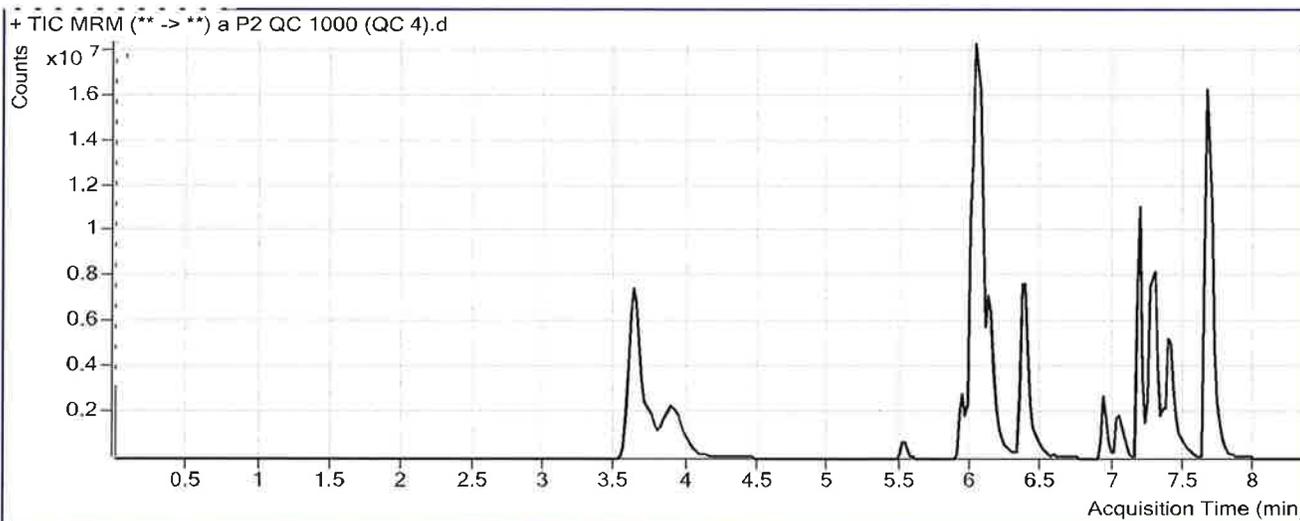| Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Chlordiazepoxide	Chlordiazepoxide-D5	7.402	932354	940018	0.9918	95.6040
Phenazepam	Phenazepam-D4	7.435	336713	59680	5.6419	107.3312
Prazepam	Prazepam-D5	7.661	7734497	3321224	2.3288	109.0589

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ P2a 022018 SP.bi		
Analysis Time	3/5/2018 8:58 AM	**Analyst Name**	ISPUser
Report Time	3/5/2018 9:13 AM	**Reporter Name**	ISPUser
Last Calib Update	3/5/2018 8:58 AM	**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
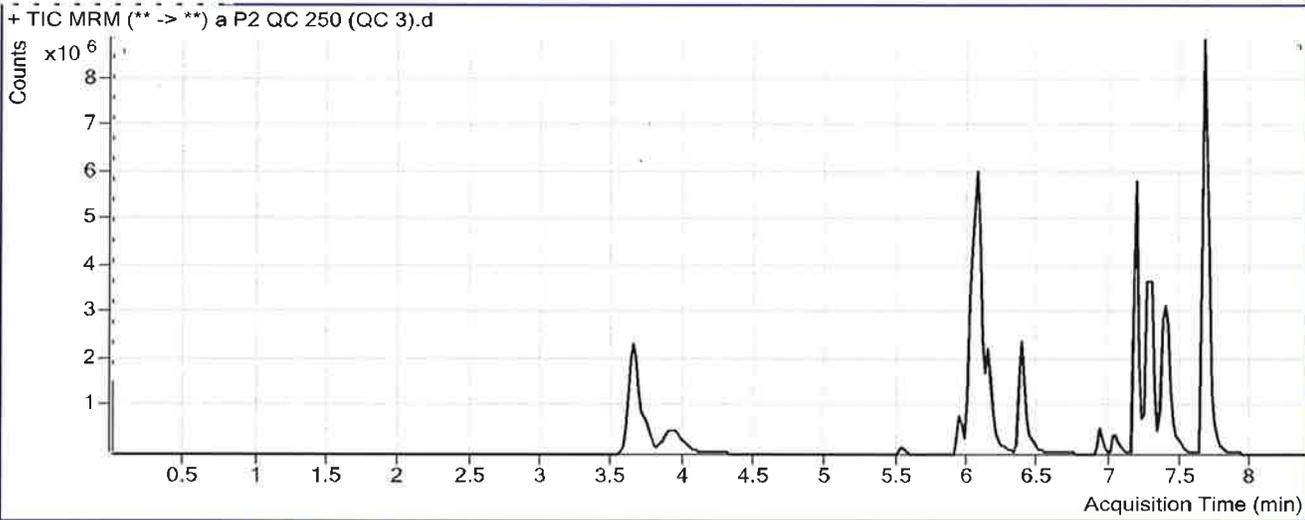
Sample Chromatogram

+ TIC MRM (** -> **) a P2 QC 250 (QC 3).d

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Pseudoephedrine	Pseudoephedrine-D3	3.656	11657245	1818401	6.4107	252.6934
Levamisole	Benzoylecgonine-d8	3.925	2465688	18792	131.2088	228.5989
Benzoylecgonine	Benzoylecgonine-d8	5.541	252730	18792	13.4488	364.1630
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	240.5377
Ondansetron	Carbamazepine-13C6	6.136	4156515	2375230	1.7499	257.4568
Mirtazapine	Carbamazepine-13C6	6.384	5327258	2375230	2.2428	222.5565
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	651664	110896	5.8763	264.2207
Amitriptyline	Amitriptyline-D3	7.266	900964	75207	11.9798	260.7148
Estazolam	Estazolam-D5	7.283	5139593	961456	5.3456	249.5232
Maprotiline	Nortriptyline-d3	7.266	929616	75638	12.2904	245.7180
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

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Chlordiazepoxide	Chlordiazepoxide-D5	7.402	1700856	715489	2.3772	229.2595
Phenazepam	Phenazepam-D4	7.435	565181	42853	13.1889	250.8468
Prazepam	Prazepam-D5	7.661	15193657	2809842	5.4073	254.9513

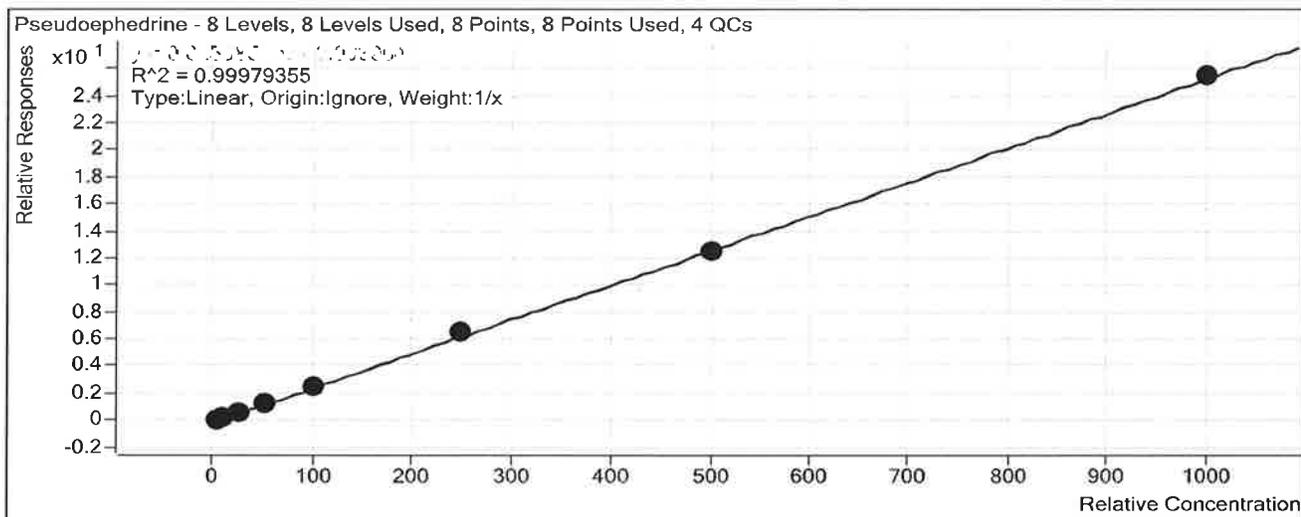# ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ P2a 022018 SP.b
Analysis Time	3/5/2018 8:58 AM
Report Time	3/5/2018 9:13 AM
Last Calib Update	3/5/2018 8:58 AM

Analysis Time	3/5/2018 8:58 AM	**Analyst Name**	ISPUser
Report Time	3/5/2018 9:13 AM	**Reporter Name**	ISPUser
Last Calib Update	3/5/2018 8:58 AM	**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

+ TIC MRM (** -> **) a P2 QC 1000 (QC 4).d

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc	
Pseudoephedrine	Pseudoephedrine-D3	3.636	45790644	1785213	25.6500	1010.5854	
Levamisole	Benzoylecgonine-d8	3.885	11256777	18662	603.1920	1047.8284	
Benzoylecgonine	Benzoylecgonine-d8	5.541	1362702	18662	73.0201	1970.1421	
Zopiclone	Zopiclone-D4	5.929	6676887	259309	25.7488	985.2745	
~~Cocaine~~	~~Cocaine-D3~~	6.012	~~27434623~~	~~1059386~~	~~25.8967~~	~~994.7168~~	curve range limited
Methylphenidate	Methylphenidate-D4	6.066	35398468	1453297	24.3574	939.6841	limited
~~Metoprolol~~	~~Methylphenidate-D4~~	6.081	~~3471005~~	~~1453297~~	~~2.3884~~	~~707.0033~~	curve range limited
~~Ondansetron~~	~~Carbamazepine-13C6~~	6.136	~~14781274~~	~~1304256~~	~~11.3331~~	~~1659.1067~~	
~~Mirtazapine~~	~~Carbamazepine-13C6~~	6.384	~~20470752~~	~~1304256~~	~~15.6954~~	~~1541.0372~~	
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	2712827	116550	23.2761	1046.6807	
Amitriptyline	Amitriptyline-D3	7.266	4381800	102094	42.9191	935.3007	
Estazolam	Estazolam-D5	7.283	10057677	456820	22.0167	1026.7026	
Maprotiline	Nortriptyline-d3	7.286	4517471	84742	53.3084	1064.5062	
Nortriptyline	Nortriptyline-d3	7.289	1805994	84742	21.3116	1041.8931	
~~alpha-hydroxymidazolam~~	alpha-hydroxymidazolam-D4	7.377	~~5023072~~	~~481470~~	~~10.4328~~	~~559.3452~~	top cut off peak, not evaluated
Midazolam	Midazolam-D4	7.379	4965097	627496	7.9126	987.8888	

aP2 QC 1000 ℔ 0001 QP 24

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Chlordiazepoxide	Chlordiazepoxide-D5	7.402	3686536	350027	10.5322	1016.0341
Phenazepam	Phenazepam-D4	7.455	1171952	26771	43.7764	832.5125
~~Prazepam~~	~~Prazepam-D5~~	~~7.661~~	~~35505937~~	~~2032405~~	~~17.4699~~	~~826.6092~~

curve range limited ℔

ISP Forensics
Calibration Curve Report

ↄ

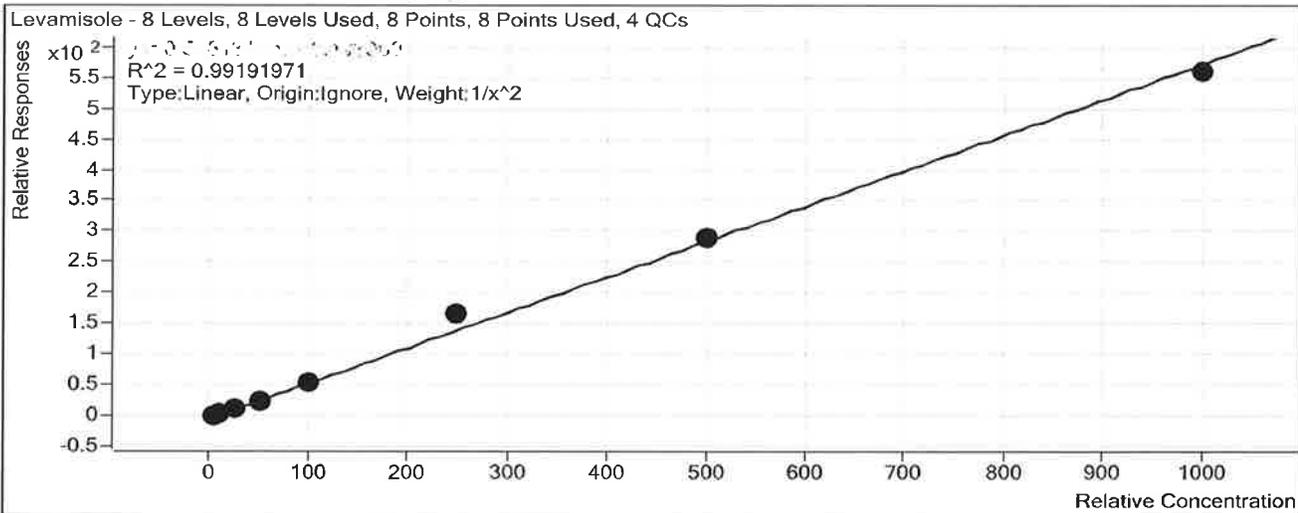|	
Batch Data Path	C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ P2a 022018 SP.batch.bin
Last Calib Update	3/5/2018 8:58 AM **Analyst Name** ISP TOX

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

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

R^2 = 0.99979355
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	☑	5	4.9	97.0
a cal 2-10ng	2	☑	10	10.0	99.9
a QC 10 (QC1)	2	☑	10	10.4	104.5
a cal 3-25ng	3	☑	25	26.0	104.1
a cal 4-50ng	4	☑	50	49.3	98.7
a cal 5-100ng	5	☑	100	99.2	99.2
a QC 100 (QC2)	5	☑	100	103.6	103.6
a cal 6-250ng	6	☑	250	256.4	102.6
a QC 250 (QC 3)	6	☑	250	252.7	101.1
a cal 7-500ng	7	☑	500	491.9	98.4
a cal 8-1000ng	8	☑	1000	1002.3	100.2
a QC 1000 (QC 4)	8	☑	1000	1010.6	101.1

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

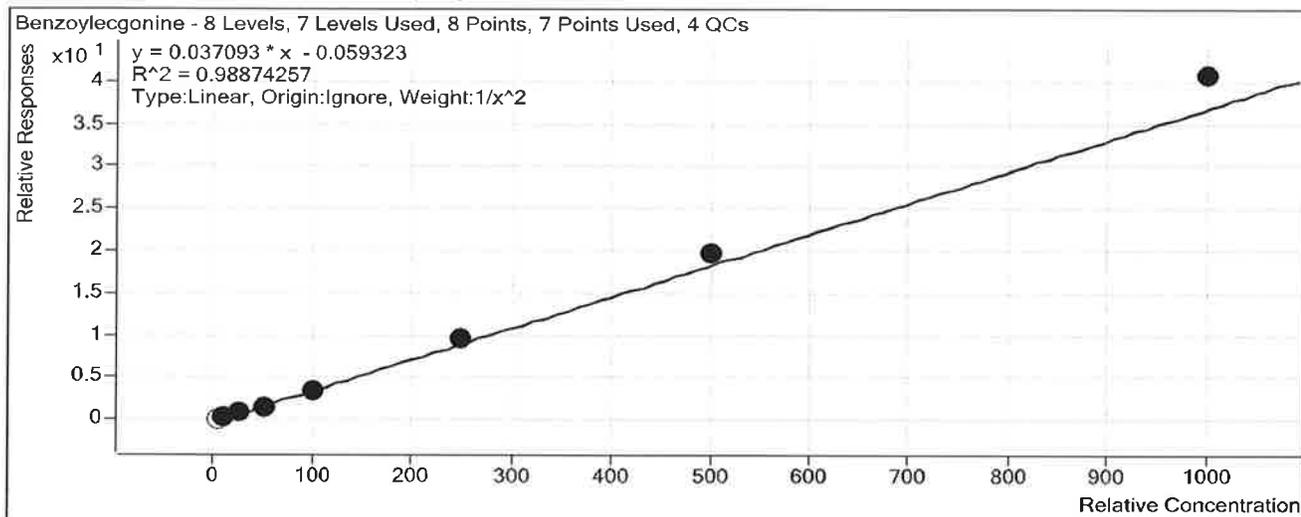**Last Calib Update** 3/5/2018 8:58 AM **Analyst Name** ISP TOX

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

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

R^2 = 0.99191971
Type:Linear, Origin:Ignore, Weight:1/x^2

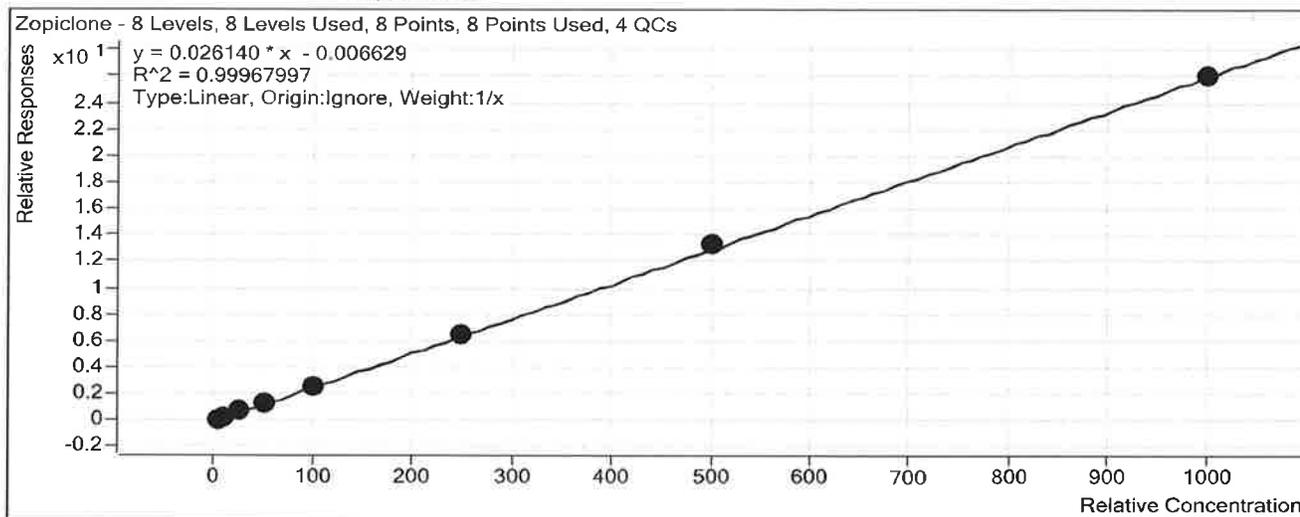| Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	☑	5	5.1	101.4
a cal 2-10ng	2	☑	10	9.9	99.4
a QC 10 (QC1)	2	☑	10	10.2	101.8
a cal 3-25ng	3	☑	25	25.0	100.0
a cal 4-50ng	4	☑	50	44.3	88.5
a cal 5-100ng	5	☑	100	95.9	95.9
a QC 100 (QC2)	5	☑	100	112.3	112.3
a cal 6-250ng	6	☑	250	290.9	116.4
a QC 250 (QC 3)	6	☑	250	228.6	91.4
a cal 7-500ng	7	☑	500	507.7	101.5
a cal 8-1000ng	8	☑	1000	970.3	97.0
a QC 1000 (QC 4)	8	☑	1000	1047.8	104.8

ISP Forensics
Calibration Curve Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ P2a 022018 SP.batch.bin
Last Calib Update	3/5/2018 8:58 AM

Analyst Name ISP TOX

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

Benzoylecgonine - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 4 QCs

$y = 0.037093 * x - 0.059323$
$R^2 = 0.98874257$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	☐	5	5.5	110.7
a cal 2-10ng	2	☑	10	10.3	103.0
a QC 10 (QC1)	2	☑	10	13.3	133.0
a cal 3-25ng	3	☑	25	25.5	101.8
a cal 4-50ng	4	☑	50	42.0	84.1
a cal 5-100ng	5	☑	100	91.0	91.0
a QC 100 (QC2)	5	☑	100	131.4	131.4
a cal 6-250ng	6	☑	250	258.1	103.2
a QC 250 (QC 3)	6	☑	250	364.2	145.7
a cal 7-500ng	7	☑	500	535.6	107.1
a cal 8-1000ng	8	☑	1000	1097.4	109.7
a QC 1000 (QC 4)	8	☑	1000	1970.1	197.0

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ P2a 022018 SP.batch.bin	
Last Calib Update	3/5/2018 8:58 AM	**Analyst Name** ISP TOX

Target Compound   *Zopiclone*
Internal Standard   *Zopiclone-D4*

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

$y = 0.026140 * x - 0.006629$
$R^2 = 0.99967997$
Type:Linear, Origin:Ignore, Weight:1/x

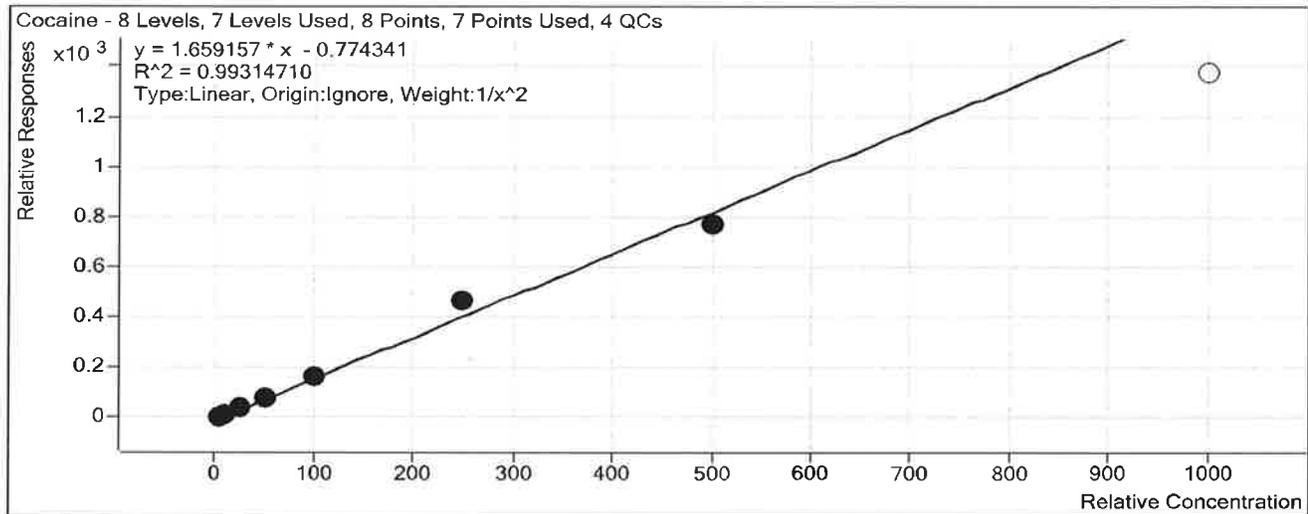| Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	☑	5	4.9	97.8
a cal 2-10ng	2	☑	10	10.1	101.4
a QC 10 (QC1)	2	☑	10	9.9	98.9
a cal 3-25ng	3	☑	25	26.7	106.9
a cal 4-50ng	4	☑	50	48.2	96.3
a cal 5-100ng	5	☑	100	97.0	97.0
a QC 100 (QC2)	5	☑	100	102.9	102.9
a cal 6-250ng	6	☑	250	247.5	99.0
a QC 250 (QC 3)	6	☑	250	247.0	98.8
a cal 7-500ng	7	☑	500	510.8	102.2
a cal 8-1000ng	8	☑	1000	994.9	99.5
a QC 1000 (QC 4)	8	☑	1000	985.3	98.5

Calibration Curve Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ P2a 022018 SP.batch.bin
Last Calib Update	3/6/2018 3:33 PM **Analyst Name** ISP TOX

Target Compound   *Cocaine*

Internal Standard   *Benzoylecgonine-d8*

Cocaine - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 4 QCs

$y = 1.659157 * x - 0.774341$
$R^2 = 0.99314710$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	☑	5	5.0	100.4
a cal 2-10ng	2	☑	10	9.8	98.2
a QC 10 (QC1)	2	☑	10	10.9	108.6
a cal 3-25ng	3	☑	25	26.5	105.9
a cal 4-50ng	4	☑	50	46.8	93.6
a cal 5-100ng	5	☑	100	96.8	96.8
a QC 100 (QC2)	5	☑	100	114.4	114.4
a cal 6-250ng	6	☑	250	281.0	112.4
a QC 250 (QC 3)	6	☑	250	237.8	95.1
a cal 7-500ng	7	☑	500	463.9	92.8
a cal 8-1000ng	8	☐	1000	827.4	82.7
a QC 1000 (QC 4)	8	☑	1000	886.5	88.7

ISP Forensics
Calibration Curve Report

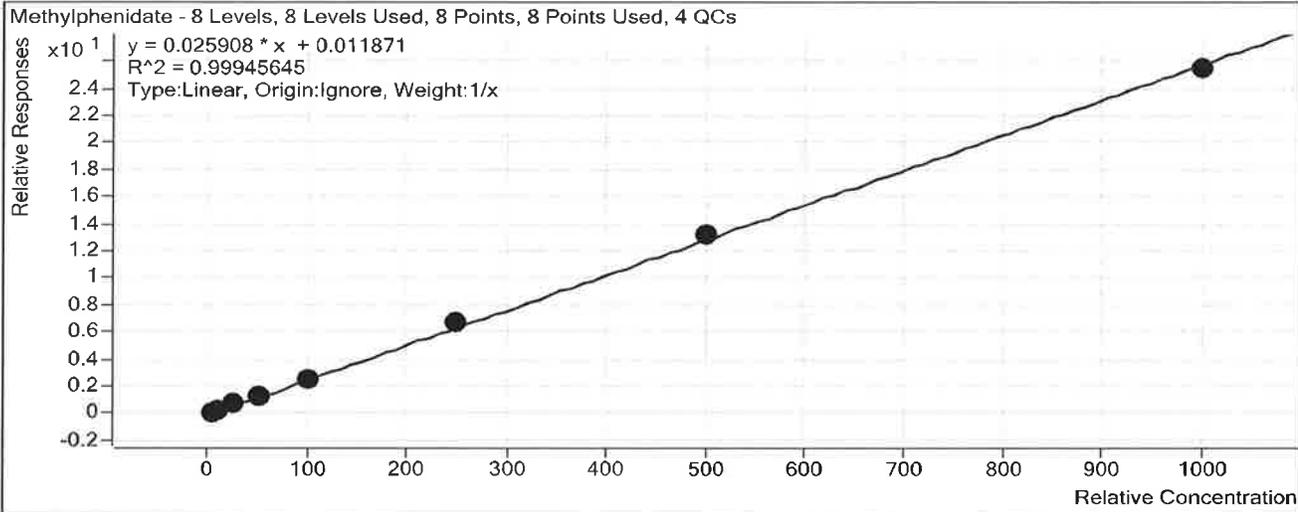|	
Batch Data Path	C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ P2a 022018 SP.batch.bin
Last Calib Update	3/5/2018 8:58 AM **Analyst Name** ISP TOX

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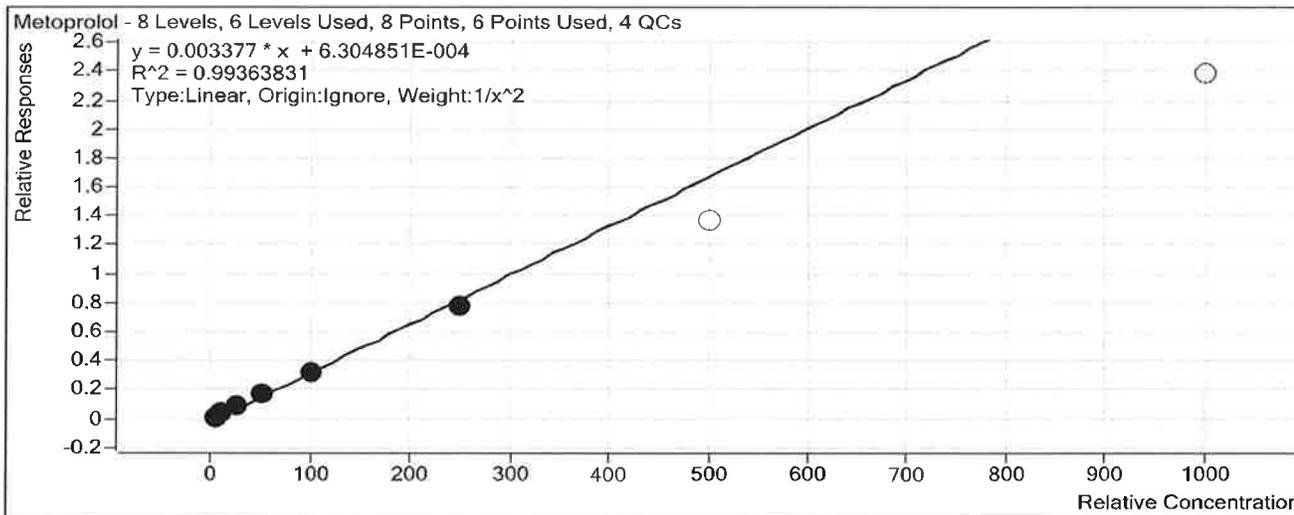**Internal Standard**   *Methylphenidate-D4*

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

$y = 0.025908 * x + 0.011871$
$R^2 = 0.99945645$
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	☑	5	4.6	91.5
a cal 2-10ng	2	☑	10	9.9	98.8
a QC 10 (QC1)	2	☑	10	10.0	99.6
a cal 3-25ng	3	☑	25	26.2	104.9
a cal 4-50ng	4	☑	50	50.9	101.7
a cal 5-100ng	5	☑	100	99.5	99.5
a QC 100 (QC2)	5	☑	100	104.3	104.3
a cal 6-250ng	6	☑	250	260.2	104.1
a QC 250 (QC 3)	6	☑	250	250.0	100.0
a cal 7-500ng	7	☑	500	507.0	101.4
a cal 8-1000ng	8	☑	1000	981.8	98.2
a QC 1000 (QC 4)	8	☑	1000	939.7	94.0

ISP Forensics
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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 SP.batch.bin
Last Calib Update	3/5/2018 8:58 AM **Analyst Name** ISP TOX

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

Metoprolol - 8 Levels, 6 Levels Used, 8 Points, 6 Points Used, 4 QCs
$y = 0.003377 * x + 6.304851E\text{-}004$
$R^2 = 0.99363831$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	☑	5	4.8	96.3
a cal 2-10ng	2	☑	10	10.4	103.8
a QC 10 (QC1)	2	☑	10	10.0	100.0
a cal 3-25ng	3	☑	25	27.6	110.3
a cal 4-50ng	4	☑	50	50.6	101.2
a cal 5-100ng	5	☑	100	96.5	96.5
a QC 100 (QC2)	5	☑	100	102.0	102.0
a cal 6-250ng	6	☑	250	230.0	92.0
a QC 250 (QC 3)	6	☑	250	240.5	96.2
a cal 7-500ng	7	☐	500	405.1	81.0
a cal 8-1000ng	8	☐	1000	705.1	70.5
a QC 1000 (QC 4)	8	☑	1000	707.0	70.7

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ P2a 022018 SP.batch.bin		
Last Calib Update	3/5/2018 8:58 AM	**Analyst Name**	ISP TOX

Target Compound
Ondansetron

Internal Standard   *Carbamazepine-13C6*

Ondansetron - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 4 QCs

$y = 0.006837 * x - 0.010306$
$R^2 = 0.98224321$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	☑	5	5.2	103.6
a cal 2-10ng	2	☑	10	9.8	98.3
a QC 10 (QC1)	2	☑	10	9.3	93.1
a cal 3-25ng	3	☑	25	23.4	93.4
a cal 4-50ng	4	☑	50	43.4	86.7
a cal 5-100ng	5	☑	100	89.9	89.9
a QC 100 (QC2)	5	☑	100	95.7	95.7
a cal 6-250ng	6	☑	250	273.1	109.2
a QC 250 (QC 3)	6	☑	250	257.5	103.0
a cal 7-500ng	7	☑	500	593.9	118.8
a cal 8-1000ng	8	☐	1000	1710.6	171.1
a QC 1000 (QC 4)	8	☐	1000	1659.1	165.9

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

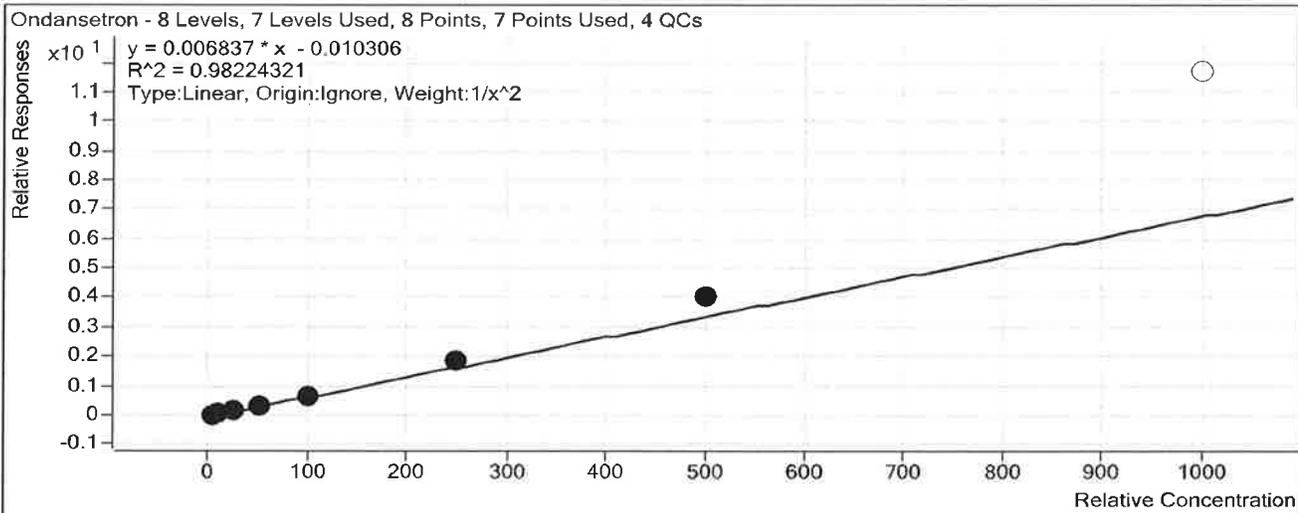**Last Calib Update** 3/5/2018 8:58 AM   **Analyst Name**   ISP TOX

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

Mirtazapine - 8 Levels, 6 Levels Used, 8 Points, 6 Points Used, 4 QCs

$y = 0.010203 * x - 0.027915$
$R^2 = 0.98384536$
Type:Linear, Origin:Ignore, Weight:1/x
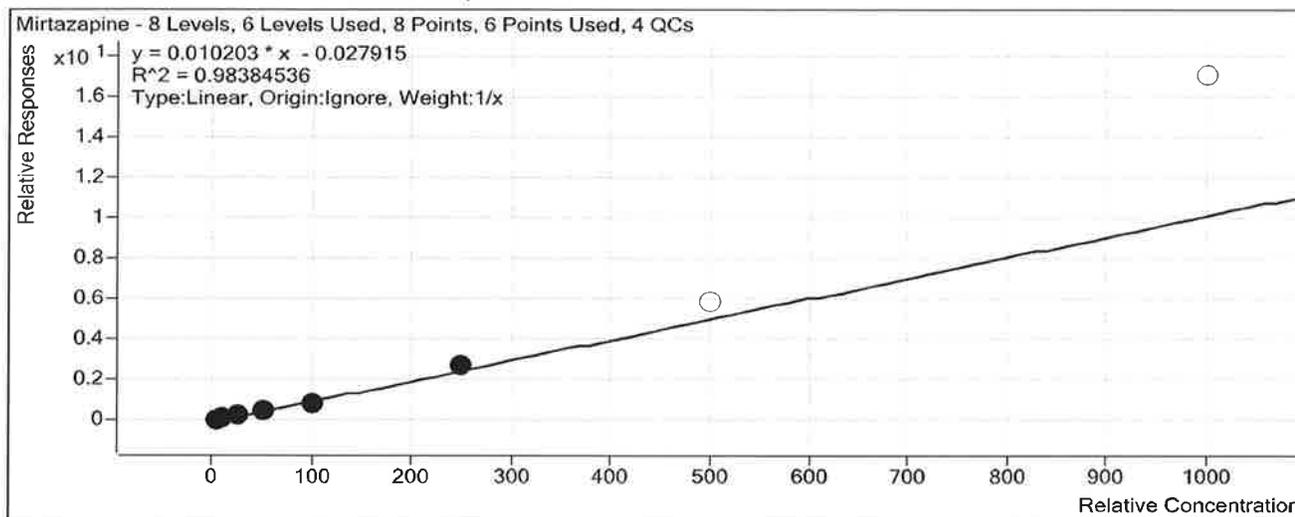
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	☑	5	6.4	127.7
a cal 2-10ng	2	☑	10	10.4	103.8
a QC 10 (QC1)	2	☑	10	9.5	94.6
a cal 3-25ng	3	☑	25	21.7	87.0
a cal 4-50ng	4	☑	50	43.3	86.7
a cal 5-100ng	5	☑	100	86.0	86.0
a QC 100 (QC2)	5	☑	100	86.8	86.8
a cal 6-250ng	6	☑	250	272.2	108.9
a QC 250 (QC 3)	6	☑	250	222.6	89.0
a cal 7-500ng	7	☐	500	574.4	114.9
a cal 8-1000ng	8	☐	1000	1667.0	166.7
a QC 1000 (QC 4)	8	☐	1000	1541.0	154.1

ISP Forensics
Calibration Curve Report

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

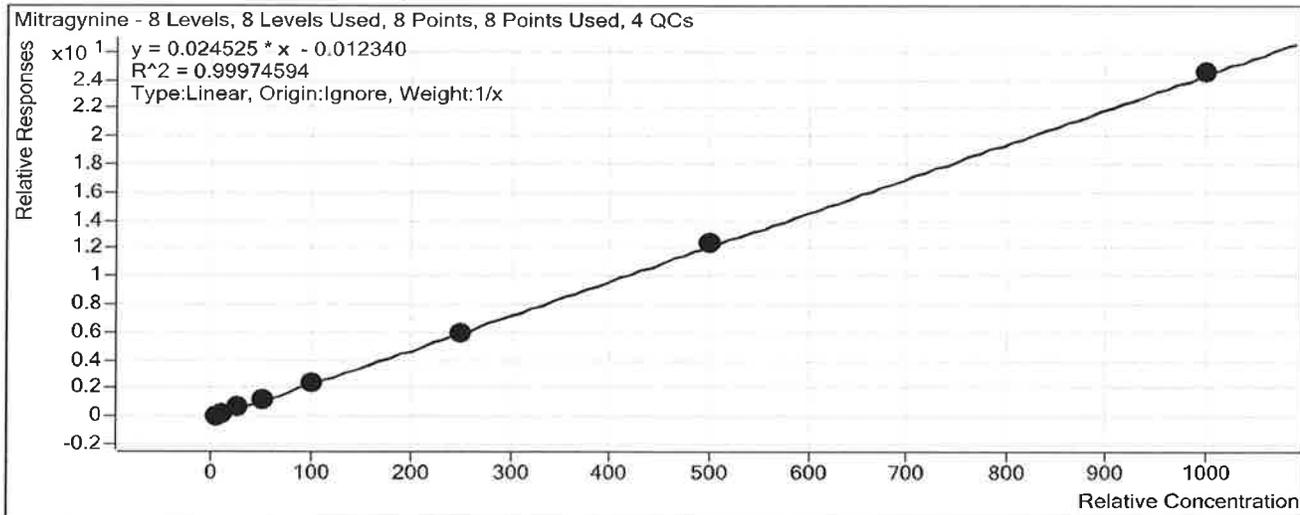**Last Calib Update** 3/5/2018 8:58 AM   **Analyst Name**   ISP TOX

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

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

$y = 0.024525 * x - 0.012340$
$R^2 = 0.99974594$
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	☑	5	4.9	97.9
a cal 2-10ng	2	☑	10	10.1	101.2
a QC 10 (QC1)	2	☑	10	10.3	103.0
a cal 3-25ng	3	☑	25	27.0	108.0
a cal 4-50ng	4	☑	50	47.7	95.4
a cal 5-100ng	5	☑	100	97.9	97.9
a QC 100 (QC2)	5	☑	100	91.1	91.1
a cal 6-250ng	6	☑	250	245.7	98.3
a QC 250 (QC 3)	6	☑	250	281.4	112.5
a cal 7-500ng	7	☑	500	505.6	101.1
a cal 8-1000ng	8	☑	1000	1001.0	100.1
a QC 1000 (QC 4)	8	☑	1000	1100.0	110.0

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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 SP.batch.bin		
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Target Compound *Doxepin*
Internal Standard *Doxepin-D3*

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

$y = 0.020691 * x - 0.010401$
$R^2 = 0.99946117$
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	☑	5	5.1	101.8
a cal 2-10ng	2	☑	10	10.6	105.8
a QC 10 (QC1)	2	☑	10	10.5	105.3
a cal 3-25ng	3	☑	25	24.9	99.6
a cal 4-50ng	4	☑	50	46.6	93.2
a cal 5-100ng	5	☑	100	97.7	97.7
a QC 100 (QC2)	5	☑	100	103.2	103.2
a cal 6-250ng	6	☑	250	258.5	103.4
a QC 250 (QC 3)	6	☑	250	255.2	102.1
a cal 7-500ng	7	☑	500	488.3	97.7
a cal 8-1000ng	8	☑	1000	1008.3	100.8
a QC 1000 (QC 4)	8	☑	1000	999.0	99.9

ISP Forensics
Calibration Curve Report

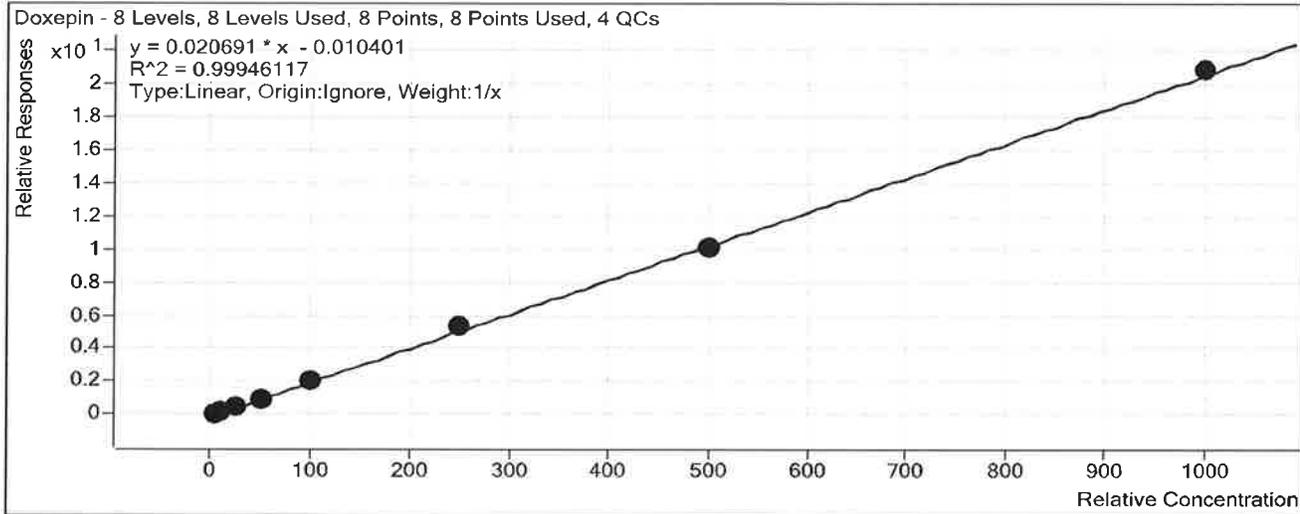|	
Batch Data Path	C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ P2a 022018 SP.batch.bin
Last Calib Update	3/5/2018 8:58 AM

Analyst Name   ISP TOX

Target Compound   Carbamazepine
Internal Standard   Carbamazepine-13C6

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

$y = 0.018299 * x + 0.014823$
$R^2 = 0.99955100$
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	☑	5	4.3	86.4
a cal 2-10ng	2	☑	10	10.6	106.4
a QC 10 (QC1)	2	☑	10	9.8	98.3
a cal 3-25ng	3	☑	25	27.0	107.9
a cal 4-50ng	4	☑	50	49.1	98.1
a cal 5-100ng	5	☑	100	98.2	98.2
a QC 100 (QC2)	5	☑	100	104.5	104.5
a cal 6-250ng	6	☑	250	258.4	103.4
a QC 250 (QC 3)	6	☑	250	256.1	102.4
a cal 7-500ng	7	☑	500	504.2	100.8
a cal 8-1000ng	8	☑	1000	988.3	98.8
a QC 1000 (QC 4)	8	☑	1000	997.0	99.7

ISP Forensics
Calibration Curve Report

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

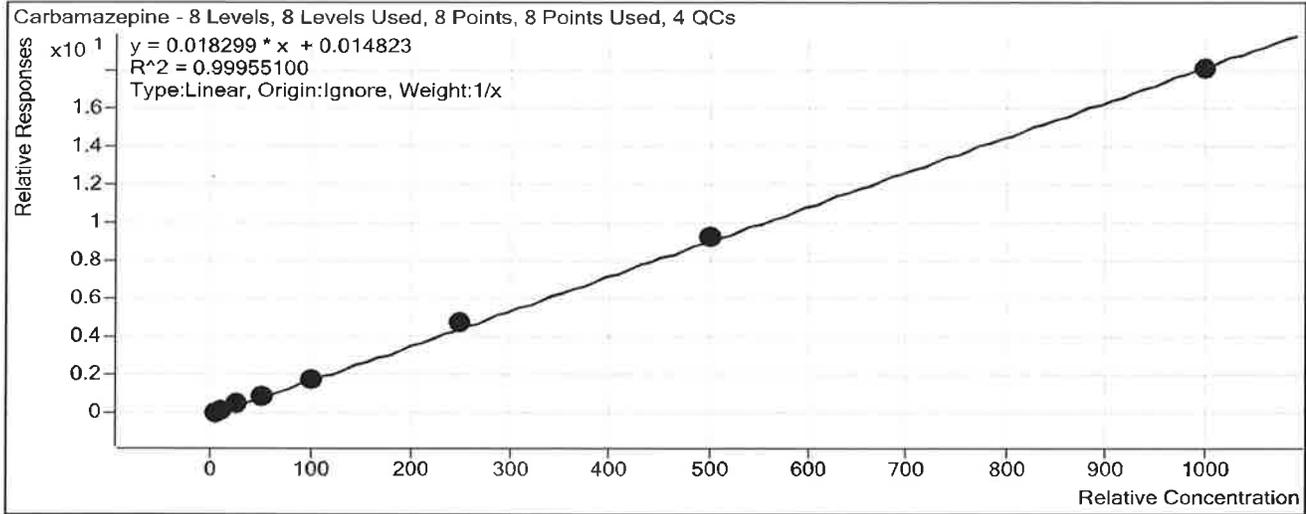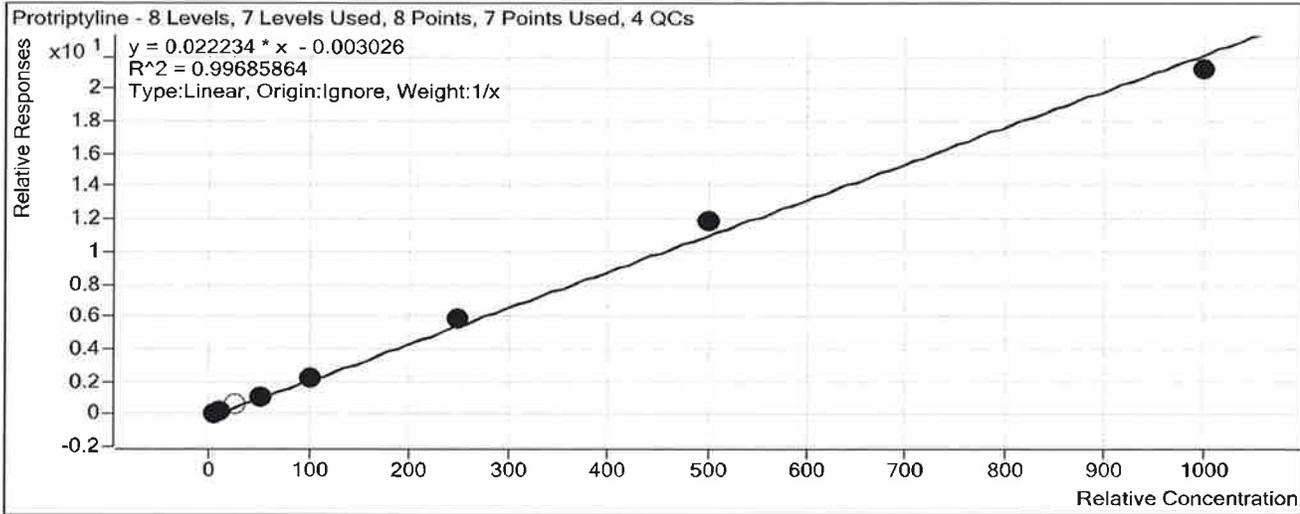**Last Calib Update**   3/6/2018 3:33 PM   **Analyst Name**   ISP TOX

Target Compound   Protriptyline
Internal Standard   *Protriptyline-d3*

Protriptyline - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 4 QCs

y = 0.022234 * x - 0.003026
R^2 = 0.99685864
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy	
a cal 1-5ng	1	☑	5	4.6	91.8	
a cal 2-10ng	2	☑	10	10.1	100.6	
a QC 10 (QC1)	2	☑	10	9.9	98.9	
a cal 3-25ng	3	☐	25	26.6	106.6	— Qualifier Peak cut off
a cal 4-50ng	4	☑	50	50.0	100.0	
a cal 5-100ng	5	☑	100	99.3	99.3	
a QC 100 (QC2)	5	☑	100	105.1	105.1	
a cal 6-250ng	6	☑	250	266.8	106.7	
a QC 250 (QC 3)	6	☑	250	264.4	105.8	
a cal 7-500ng	7	☑	500	532.4	106.5	
a cal 8-1000ng	8	☑	1000	951.9	95.2	
a QC 1000 (QC 4)	8	☑	1000	1047.0	104.7	

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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 SP.batch.bin		
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Target Compound — *Amitriptyline*
Internal Standard — *Amitriptyline-D3*

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

$y = 0.045864 * x + 0.022257$
$R^2 = 0.99707846$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	☑	5	4.8	96.6
a cal 2-10ng	2	☑	10	10.3	103.2
a QC 10 (QC1)	2	☑	10	10.7	106.7
a cal 3-25ng	3	☑	25	26.8	107.3
a cal 4-50ng	4	☑	50	51.2	102.4
a cal 5-100ng	5	☑	100	102.8	102.8
a QC 100 (QC2)	5	☑	100	107.8	107.8
a cal 6-250ng	6	☑	250	246.8	98.7
a QC 250 (QC 3)	6	☑	250	260.7	104.3
a cal 7-500ng	7	☑	500	475.9	95.2
a cal 8-1000ng	8	☑	1000	936.5	93.7
a QC 1000 (QC 4)	8	☑	1000	935.3	93.5

ISP Forensics
Calibration Curve Report

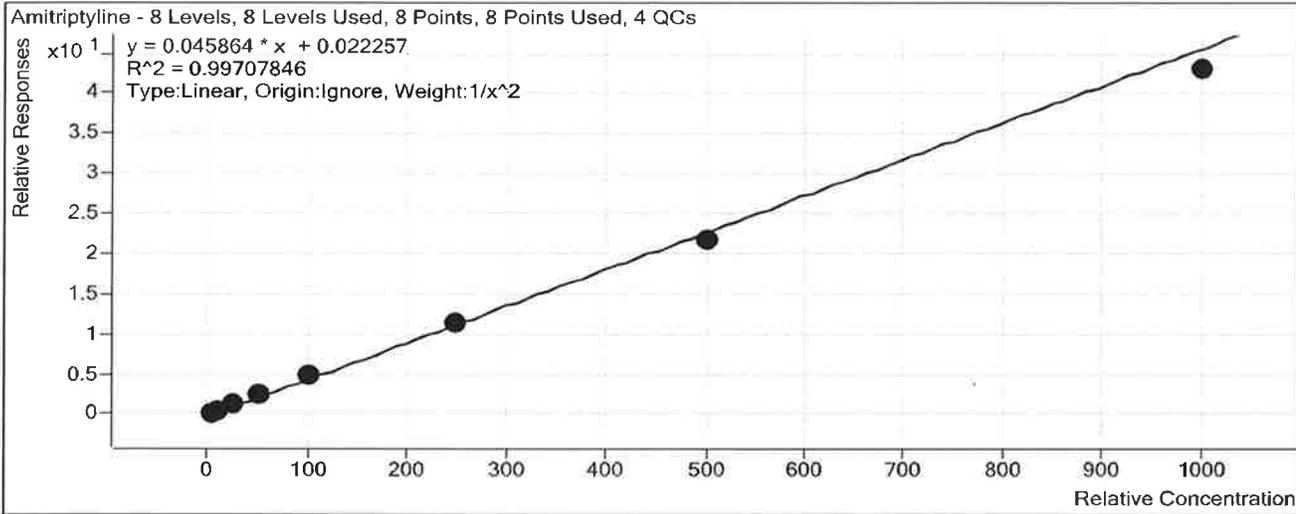|	
Batch Data Path	C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ P2a 022018 SP.batch.bin
Last Calib Update	3/5/2018 8:58 AM

Analyst Name   ISP TOX

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

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

$y = 0.021451 * x - 0.006824$
$R^2 = 0.99956814$
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	☑	5	5.1	102.3
a cal 2-10ng	2	☑	10	10.0	100.0
a QC 10 (QC1)	2	☑	10	10.8	107.8
a cal 3-25ng	3	☑	25	25.6	102.5
a cal 4-50ng	4	☑	50	50.3	100.6
a cal 5-100ng	5	☑	100	95.8	95.8
a QC 100 (QC2)	5	☑	100	101.3	101.3
a cal 6-250ng	6	☑	250	249.2	99.7
a QC 250 (QC 3)	6	☑	250	249.5	99.8
a cal 7-500ng	7	☑	500	487.7	97.5
a cal 8-1000ng	8	☑	1000	1016.2	101.6
a QC 1000 (QC 4)	8	☑	1000	1026.7	102.7

ISP Forensics
Calibration Curve Report

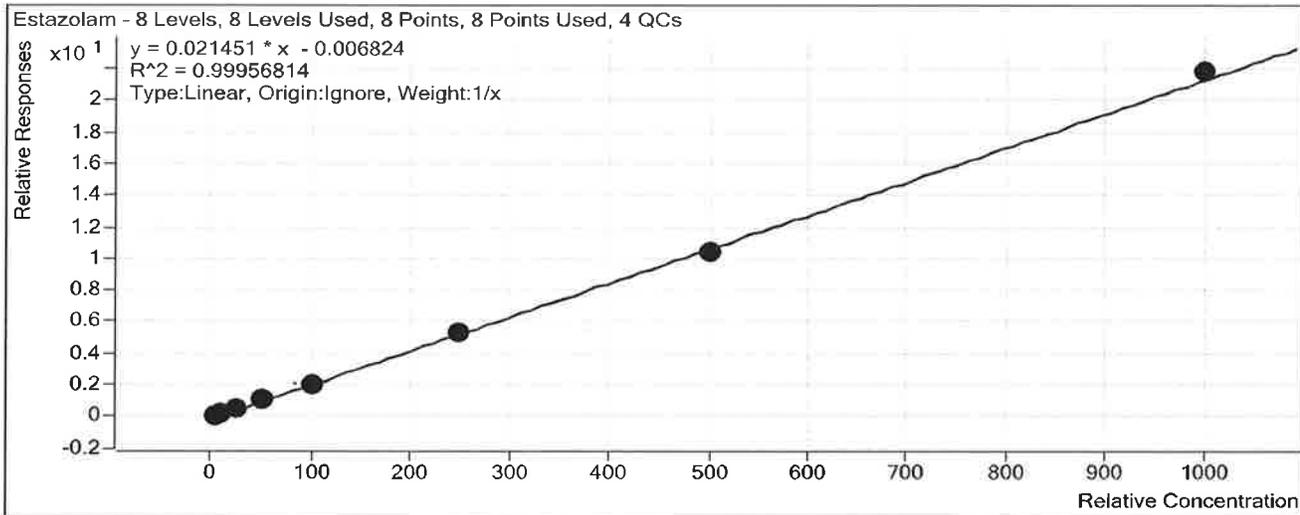|	
Batch Data Path	C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ P2a 022018 SP.batch.bin
Last Calib Update	3/5/2018 8:58 AM

Analyst Name   ISP TOX

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

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

$y = 0.050096 * x - 0.019087$
$R^2 = 0.99804087$
Type:Linear, Origin:Ignore, Weight:$1/x^2$
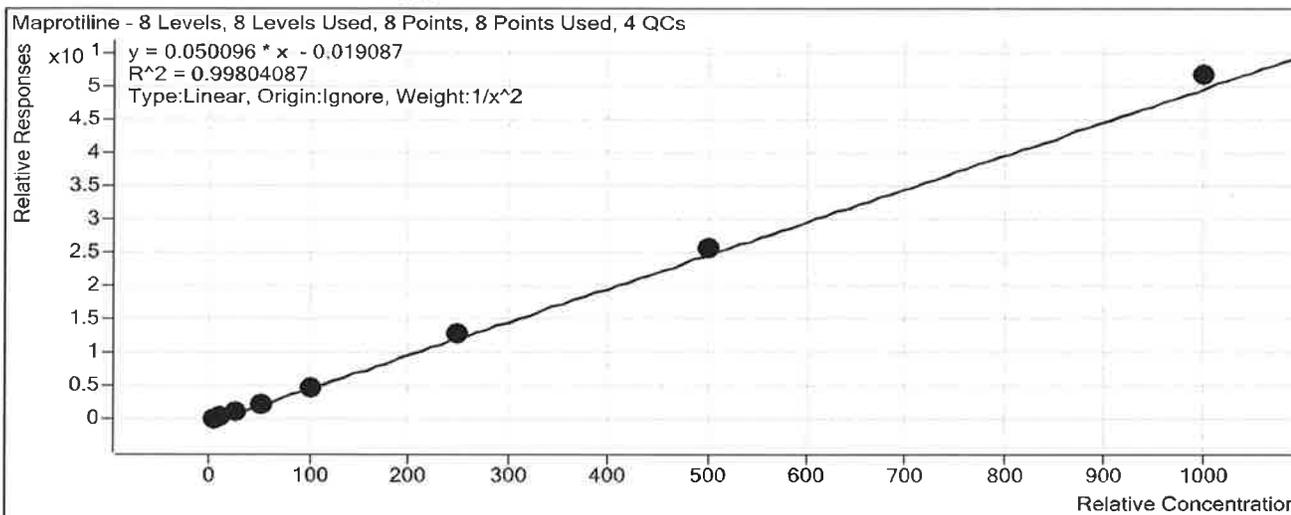
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	☑	5	5.0	100.6
a cal 2-10ng	2	☑	10	10.0	99.5
a QC 10 (QC1)	2	☑	10	11.0	110.5
a cal 3-25ng	3	☑	25	25.6	102.3
a cal 4-50ng	4	☑	50	46.7	93.5
a cal 5-100ng	5	☑	100	94.9	94.9
a QC 100 (QC2)	5	☑	100	91.8	91.8
a cal 6-250ng	6	☑	250	257.2	102.9
a QC 250 (QC 3)	6	☑	250	245.7	98.3
a cal 7-500ng	7	☑	500	515.2	103.0
a cal 8-1000ng	8	☑	1000	1033.2	103.3
a QC 1000 (QC 4)	8	☑	1000	1064.5	106.5

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ P2a 022018 SP.batch.bin
Last Calib Update	3/5/2018 8:58 AM **Analyst Name** ISP TOX

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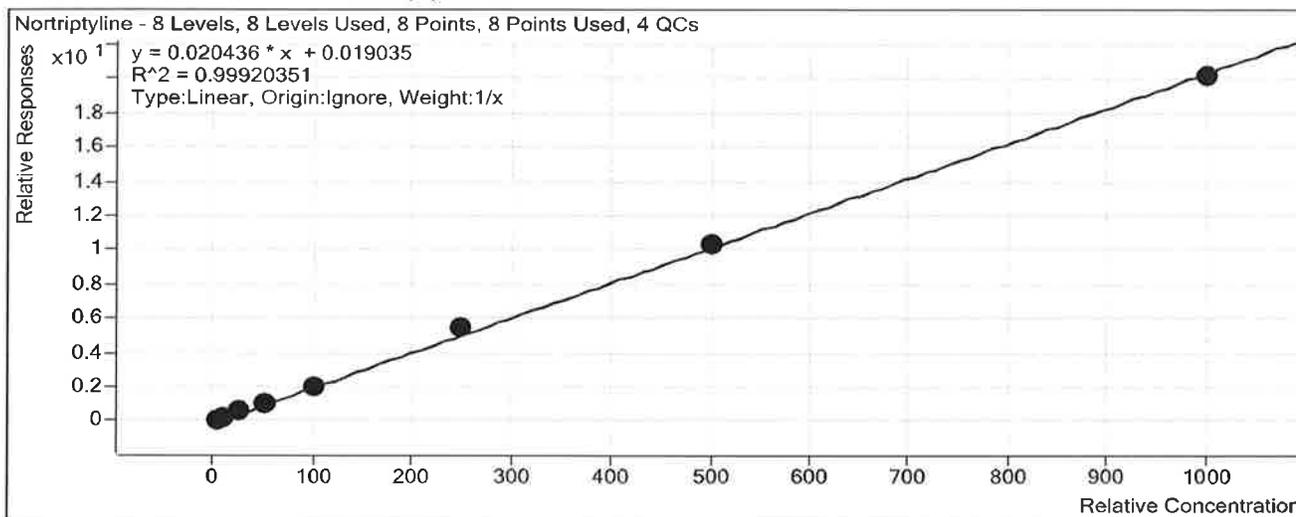*Internal Standard*   *Nortriptyline-d3*

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

$y = 0.020436 * x + 0.019035$
$R^2 = 0.99920351$
Type:Linear, Origin:Ignore, Weight:1/x

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

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

Last Calib Update   3/5/2018 8:58 AM   **Analyst Name**   ISP TOX

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

alpha-hydroxymidazolam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.018663 * x - 0.006402$
$R^2 = 0.99241999$
Type:Linear, Origin:Ignore, Weight:1/x^2

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

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ P2a 022018 SP.batch.bin
Last Calib Update	3/5/2018 8:58 AM

Analyst Name ISP TOX

Target Compound *Midazolam*
Internal Standard *Midazolam-D4*

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

$y = 0.008007 * x + 0.002680$
$R^2 = 0.99923296$
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	☑	5	4.4	87.1
a cal 2-10ng	2	☑	10	9.9	98.7
a QC 10 (QC1)	2	☑	10	9.3	93.3
a cal 3-25ng	3	☑	25	26.5	106.1
a cal 4-50ng	4	☑	50	51.0	102.0
a cal 5-100ng	5	☑	100	102.3	102.3
a QC 100 (QC2)	5	☑	100	107.8	107.8
a cal 6-250ng	6	☑	250	261.9	104.7
a QC 250 (QC 3)	6	☑	250	264.1	105.6
a cal 7-500ng	7	☑	500	505.9	101.2
a cal 8-1000ng	8	☑	1000	978.2	97.8
a QC 1000 (QC 4)	8	☑	1000	987.9	98.8

ISP Forensics
Calibration Curve Report

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

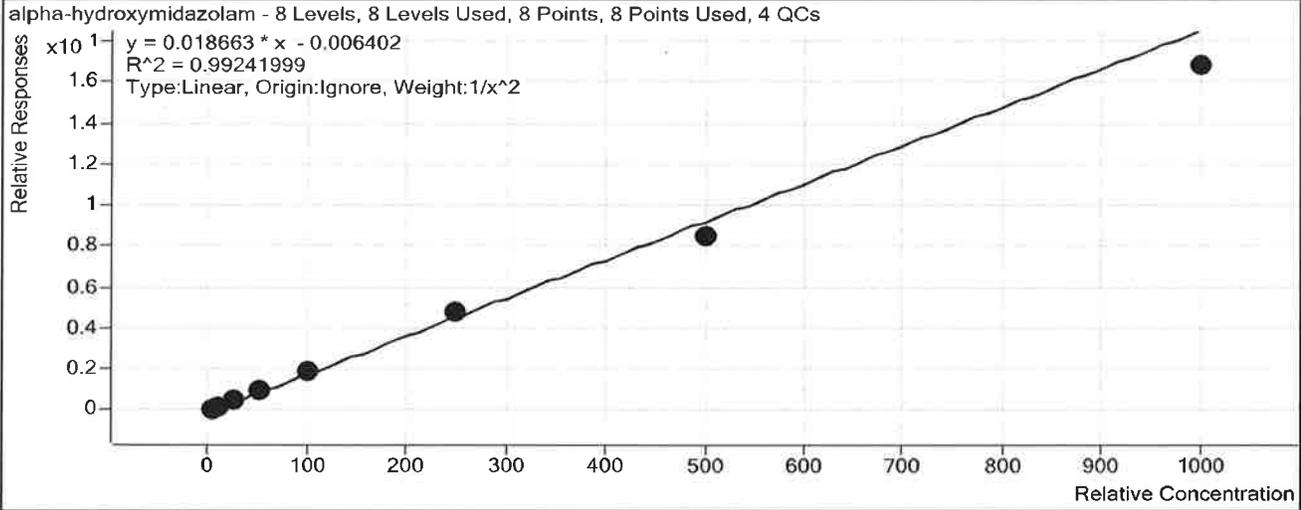**Last Calib Update** 3/5/2018 8:58 AM **Analyst Name** ISP TOX

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

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

$y = 0.010365 * x + 9.054784E\text{-}004$
$R^2 = 0.99189562$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	☑	5	4.6	92.3
a cal 2-10ng	2	☑	10	11.5	115.0
a QC 10 (QC1)	2	☑	10	10.4	104.2
a cal 3-25ng	3	☑	25	26.6	106.3
a cal 4-50ng	4	☑	50	45.3	90.7
a cal 5-100ng	5	☑	100	97.1	97.1
a QC 100 (QC2)	5	☑	100	95.6	95.6
a cal 6-250ng	6	☑	250	242.7	97.1
a QC 250 (QC 3)	6	☑	250	229.3	91.7
a cal 7-500ng	7	☑	500	507.5	101.5
a cal 8-1000ng	8	☑	1000	999.5	100.0
a QC 1000 (QC 4)	8	☑	1000	1016.0	101.6

ISP Forensics
Calibration Curve Report

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

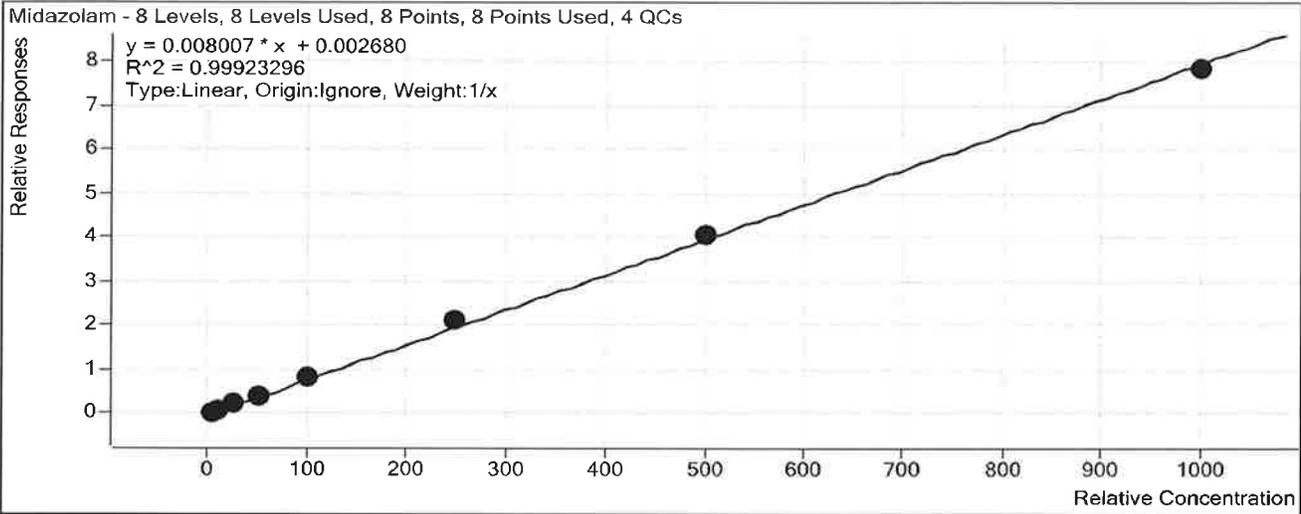**Last Calib Update** 3/5/2018 8:58 AM   **Analyst Name**   ISP TOX

Target Compound   Phenazepam
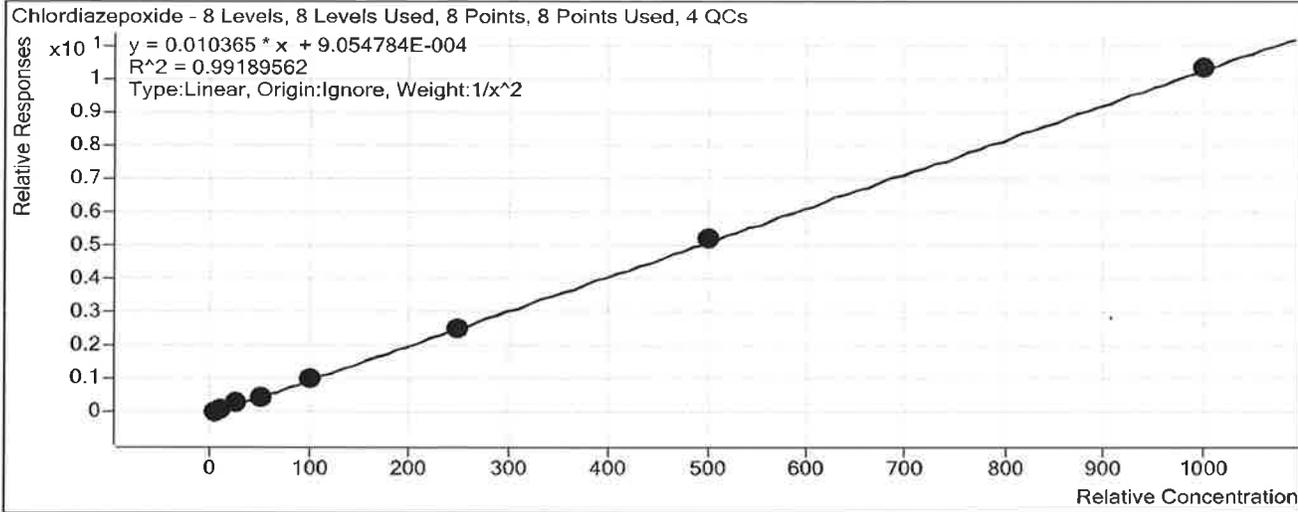*Internal Standard*   *Phenazepam-D4*

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

$y = 0.052586 * x - 0.002213$
$R^2 = 0.99305707$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	☑	5	4.8	96.5
a cal 2-10ng	2	☑	10	10.3	103.3
a QC 10 (QC1)	2	☑	10	10.2	101.7
a cal 3-25ng	3	☑	25	26.6	106.3
a cal 4-50ng	4	☑	50	53.1	106.3
a cal 5-100ng	5	☑	100	100.3	100.3
a QC 100 (QC2)	5	☑	100	107.3	107.3
a cal 6-250ng	6	☑	250	264.7	105.9
a QC 250 (QC 3)	6	☑	250	250.8	100.3
a cal 7-500ng	7	☑	500	481.5	96.3
a cal 8-1000ng	8	☑	1000	852.2	85.2
a QC 1000 (QC 4)	8	☑	1000	832.5	83.3

ISP Forensics
Calibration Curve Report

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

Last Calib Update   3/5/2018 8:58 AM   **Analyst Name**   ISP TOX

Target Compound   *Prazepam*
Internal Standard   *Prazepam-D5*
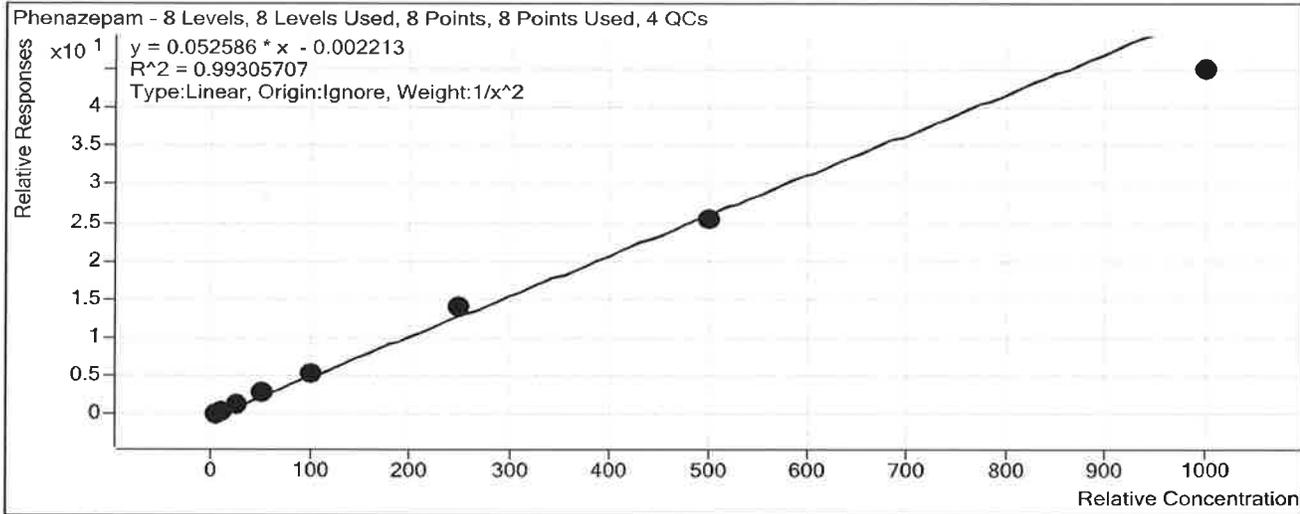
Prazepam - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 4 QCs

$y = 0.021101 * x + 0.027547$
$R^2 = 0.99271097$
Type:Linear, Origin:Ignore, Weight:1/x
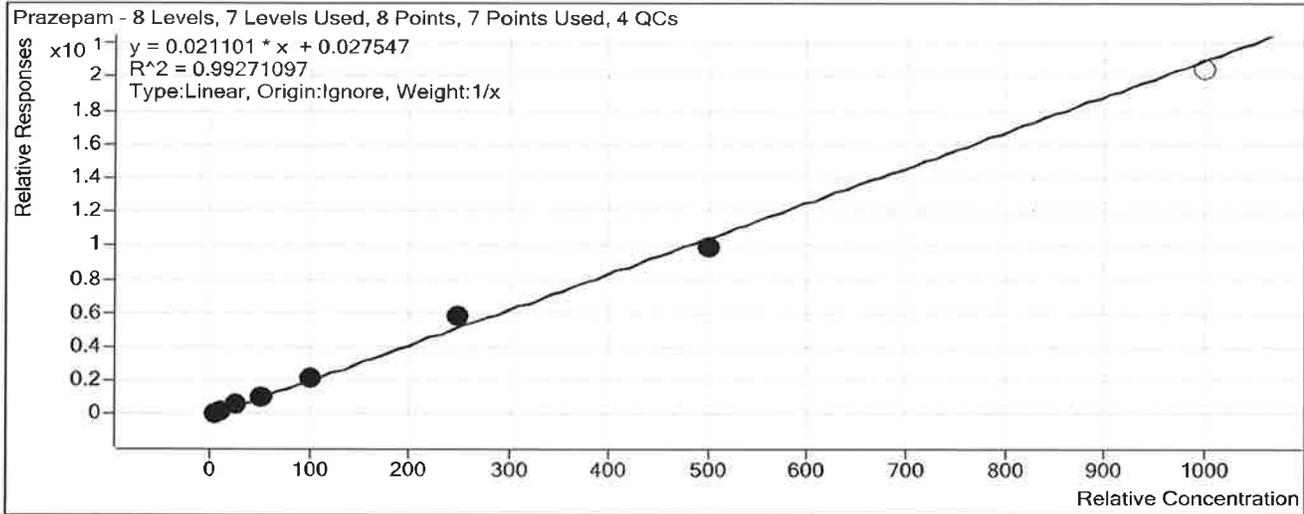
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	☑	5	4.1	81.7
a cal 2-10ng	2	☑	10	10.0	99.9
a QC 10 (QC1)	2	☑	10	10.5	104.8
a cal 3-25ng	3	☑	25	29.2	116.8
a cal 4-50ng	4	☑	50	47.0	94.1
a cal 5-100ng	5	☑	100	102.8	102.8
a QC 100 (QC2)	5	☑	100	109.1	109.1
a cal 6-250ng	6	☑	250	277.3	110.9
a QC 250 (QC 3)	6	☑	250	255.0	102.0
a cal 7-500ng	7	☑	500	469.6	93.9
a cal 8-1000ng	8	☐	1000	966.6	96.7
a QC 1000 (QC 4)	8	☑	1000	826.6	82.7

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 SP.bi		
Analysis Time	3/5/2018 8:58 AM	**Analyst Name**	ISPUser
Report Time	3/5/2018 9:12 AM	**Reporter Name**	ISPUser
Last Calib Update	3/5/2018 8:58 AM	**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
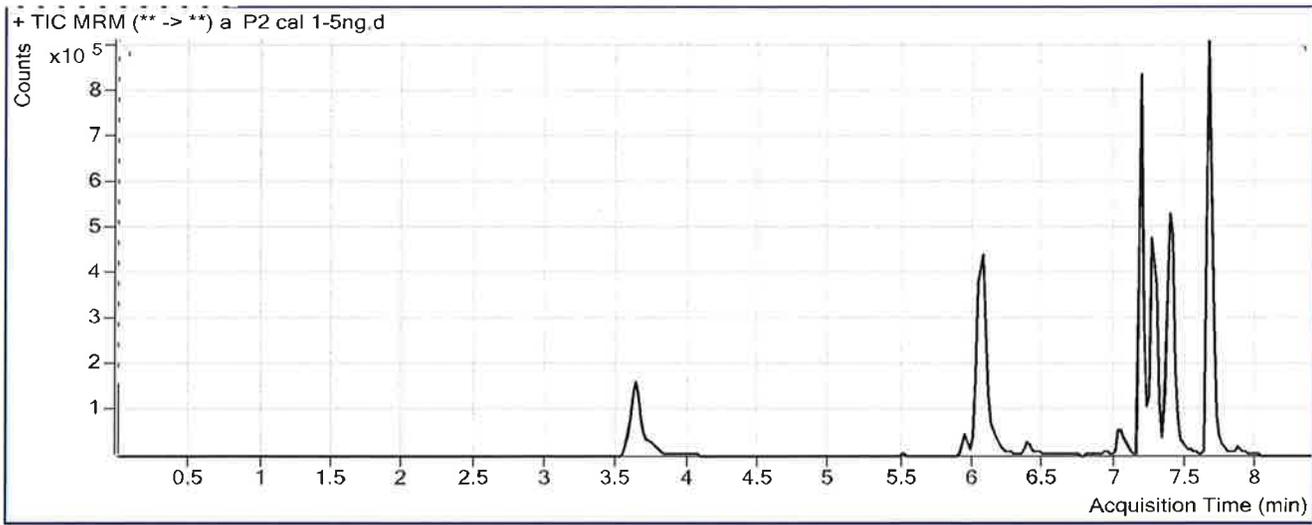
Sample Chromatogram

+ TIC MRM (** -> **) a P2 cal 1-5ng.d

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Pseudoephedrine	Pseudoephedrine-D3	3.636	109422	918181	0.1192	4.8507
Levamisole	Benzoylecgonine-d8	3.945	24188	9971	2.4259	5.0680
Benzoylecgonine	Benzoylecgonine-d8	5.541	1456	9971	0.1460	5.5357
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	4.8140
Ondansetron	Carbamazepine-13C6	6.156	45623	1815958	0.0251	5.1820
Mirtazapine	Carbamazepine-13C6	6.384	67596	1815958	0.0372	6.3842
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	13123	132539	0.0990	4.4173
Amitriptyline	Amitriptyline-D3	7.266	19926	81701	0.2439	4.8325
Estazolam	Estazolam-D5	7.283	87659	852340	0.1028	5.1126
Maprotiline	Nortriptyline-d3	7.266	20848	89531	0.2329	5.0293
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

a P2 cal 1 a β

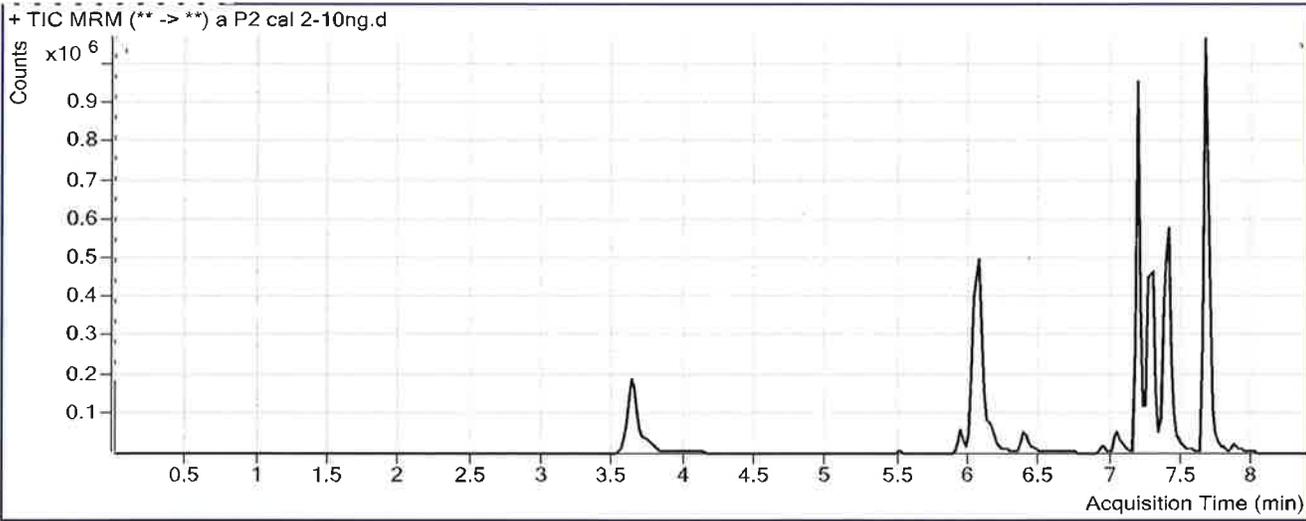| Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Chlordiazepoxide	Chlordiazepoxide-D5	7.402	34232	702026	0.0488	4.6170
Phenazepam	Phenazepam-D4	7.435	14275	56782	0.2514	4.8227
Prazepam	Prazepam-D5	7.661	217314	1911248	0.1137	4.0830

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ P2a 022018 SP.b:		
Analysis Time	3/5/2018 8:58 AM	**Analyst Name**	ISPUser
Report Time	3/5/2018 9:12 AM	**Reporter Name**	ISPUser
Last Calib Update	3/5/2018 8:58 AM	**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

+ TIC MRM (** -> **) a P2 cal 2-10ng.d

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Pseudoephedrine	Pseudoephedrine-D3	3.636	228490	915652	0.2495	9.9862
Levamisole	Benzoylecgonine-d8	3.905	54104	10345	5.2299	9.9351
Benzoylecgonine	Benzoylecgonine-d8	5.541	3338	10345	0.3227	10.2986
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	10.3751
Ondansetron	Carbamazepine-13C6	6.156	93918	1651247	0.0569	9.8263
Mirtazapine	Carbamazepine-13C6	6.384	128798	1651247	0.0780	10.3808
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	24446	110840	0.2205	9.8827
Amitriptyline	Amitriptyline-D3	7.266	34397	69405	0.4956	10.3206
Estazolam	Estazolam-D5	7.283	173815	836590	0.2078	10.0039
Maprotiline	Nortriptyline-d3	7.286	35364	73765	0.4794	9.9510
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

a ₸2 cal 2 ₱

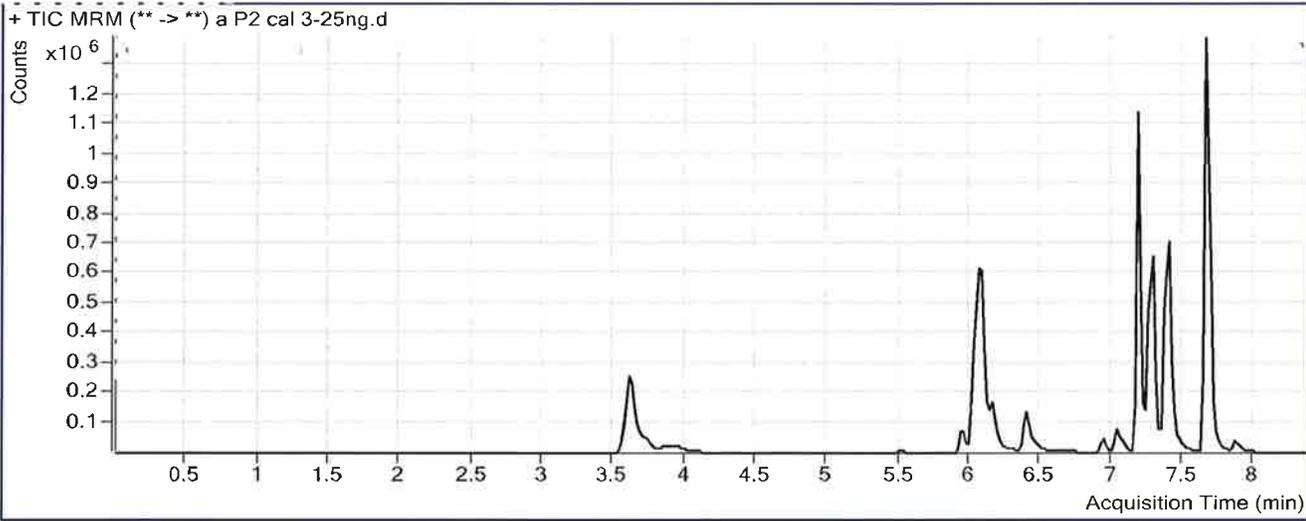| Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Chlordiazepoxide	Chlordiazepoxide-D5	7.402	74619	621116	0.1201	11.5032
Phenazepam	Phenazepam-D4	7.435	30287	55994	0.5409	10.3280
Prazepam	Prazepam-D5	7.661	427360	1793407	0.2383	9.9875

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ P2a 022018 SP.b:		
Analysis Time	3/5/2018 8:58 AM	**Analyst Name**	ISPUser
Report Time	3/5/2018 9:12 AM	**Reporter Name**	ISPUser
Last Calib Update	3/5/2018 8:58 AM	**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

+ TIC MRM (** -> **) a P2 cal 3-25ng.d

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Pseudoephedrine	Pseudoephedrine-D3	3.616	586243	892503	0.6569	26.0315
Levamisole	Benzoylecgonine-d8	3.905	128303	9229	13.9023	24.9879
Benzoylecgonine	Benzoylecgonine-d8	5.521	8166	9229	0.8849	25.4547
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	27.5796
Ondansetron	Carbamazepine-13C6	6.156	250098	1674217	0.1494	23.3563
Mirtazapine	Carbamazepine-13C6	6.404	324723	1674217	0.1940	21.7455
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	54700	92812	0.5894	26.4680
Amitriptyline	Amitriptyline-D3	7.286	74514	59463	1.2531	26.8371
Estazolam	Estazolam-D5	7.283	418379	770953	0.5427	25.6169
Maprotiline	Nortriptyline-d3	7.286	77143	61111	1.2624	25.5797
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

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Chlordiazepoxide	Chlordiazepoxide-D5	7.402	171185	619298	0.2764	26.5809
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

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ P2a 022018 SP.bɪ
Analysis Time	3/5/2018 8:58 AM	**Analyst Name** ISPUser
Report Time	3/5/2018 9:12 AM	**Reporter Name** ISPUser
Last Calib Update	3/5/2018 8:58 AM	**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
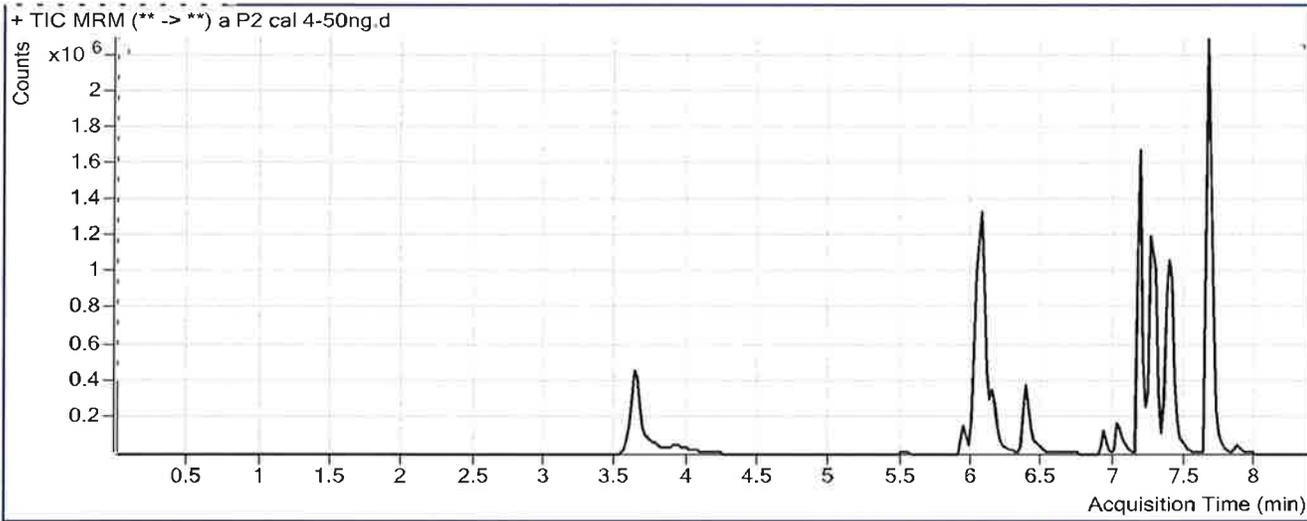
Sample Chromatogram

+ TIC MRM (** -> **) a P2 cal 4-50ng.d

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Pseudoephedrine	Pseudoephedrine-D3	3.636	1431597	1146873	1.2483	49.3289
Levamisole	Benzoylecgonine-d8	3.925	325013	12998	25.0045	44.2582
Benzoylecgonine	Benzoylecgonine-d8	5.541	19498	12998	1.5001	42.0391
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	50.5878
Ondansetron	Carbamazepine-13C6	6.136	604128	2110627	0.2862	43.3721
Mirtazapine	Carbamazepine-13C6	6.384	874490	2110627	0.4143	43.3442
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	197875	178480	1.1087	49.8209
Amitriptyline	Amitriptyline-D3	7.266	271621	114553	2.3711	51.2137
Estazolam	Estazolam-D5	7.283	977593	911664	1.0723	50.3078
Maprotiline	Nortriptyline-d3	7.266	276419	119025	2.3224	46.7392
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

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Chlordiazepoxide	Chlordiazepoxide-D5	7.402	369088	783921	0.4708	45.3368
Phenazepam	Phenazepam-D4	7.435	155222	55602	2.7917	53.1293
Prazepam	Prazepam-D5	7.661	2293193	2248283	1.0200	47.0321

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 SP.b		
Analysis Time	3/5/2018 8:58 AM	**Analyst Name**	ISPUser
Report Time	3/5/2018 9:12 AM	**Reporter Name**	ISPUser
Last Calib Update	3/5/2018 8:58 AM	**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
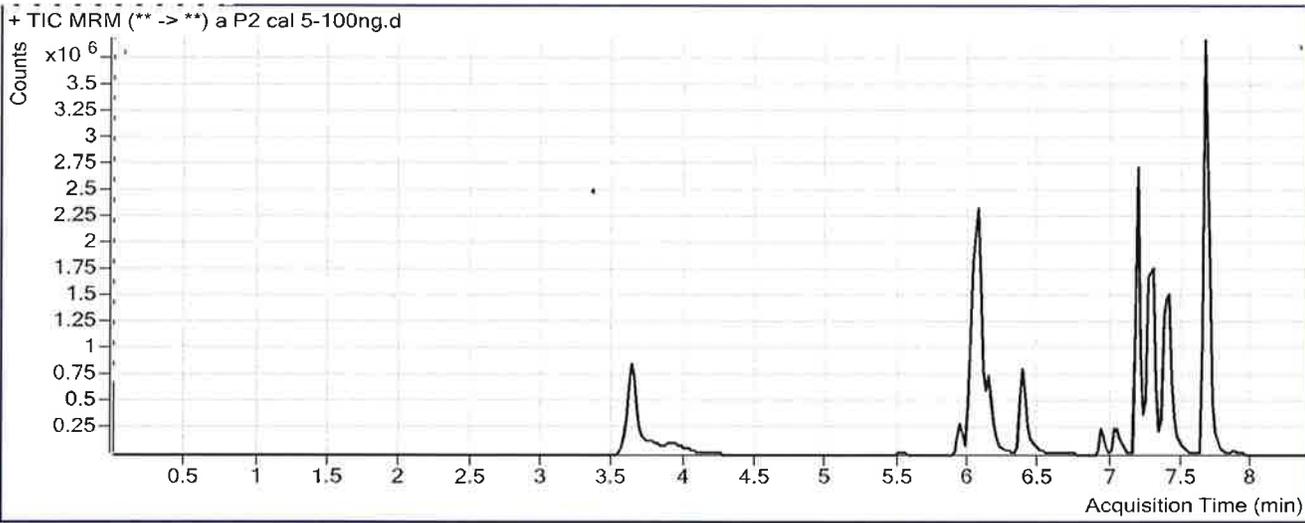
Sample Chromatogram

+ TIC MRM (** -> **) a P2 cal 5-100ng.d

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Pseudoephedrine	Pseudoephedrine-D3	3.636	3289768	1308995	2.5132	99.1587
Levamisole	Benzoylecgonine-d8	3.925	744353	13594	54.7547	95.8960
Benzoylecgonine	Benzoylecgonine-d8	5.541	45087	13594	3.3166	91.0109
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	96.4897
Ondansetron	Carbamazepine-13C6	6.136	1299262	2149541	0.6044	89.9133
Mirtazapine	Carbamazepine-13C6	6.384	1825407	2149541	0.8492	85.9668
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	377902	171438	2.2043	99.0914
Amitriptyline	Amitriptyline-D3	7.266	524517	110700	4.7382	102.8232
Estazolam	Estazolam-D5	7.283	1869370	913066	2.0474	95.7626
Maprotiline	Nortriptyline-d3	7.266	541427	114393	4.7330	94.8601
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

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Chlordiazepoxide	Chlordiazepoxide-D5	7.402	771207	765695	1.0072	97.0851
Phenazepam	Phenazepam-D4	7.435	275093	52169	5.2731	100.3171
Prazepam	Prazepam-D5	7.661	5178371	2357606	2.1965	102.7864

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 SP.b;		
Analysis Time	3/5/2018 8:58 AM	**Analyst Name**	ISPUser
Report Time	3/5/2018 9:12 AM	**Reporter Name**	ISPUser
Last Calib Update	3/5/2018 8:58 AM	**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
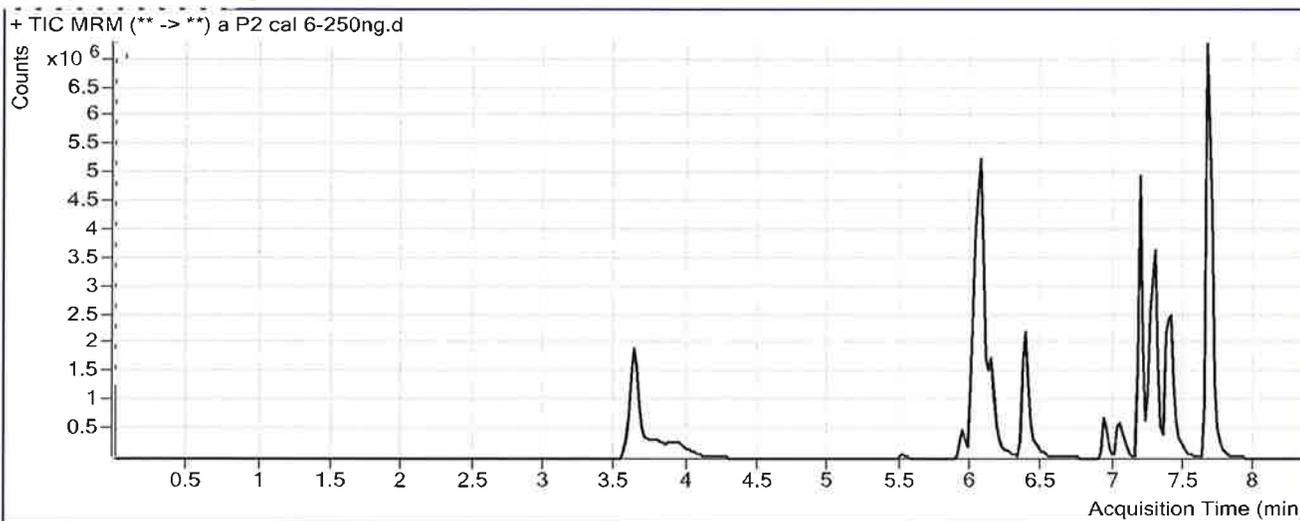
Sample Chromatogram

+ TIC MRM (** -> **) a P2 cal 6-250ng.d

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Pseudoephedrine	Pseudoephedrine-D3	3.636	8490515	1305124	6.5055	256.4283
Levamisole	Benzoylecgonine-d8	3.905	2017837	12076	167.0918	290.8816
Benzoylecgonine	Benzoylecgonine-d8	5.541	114896	12076	9.5143	258.0935
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	229.9656
Ondansetron	Carbamazepine-13C6	6.136	3322660	1789637	1.8566	273.0584
Mirtazapine	Carbamazepine-13C6	6.384	4919953	1789637	2.7491	272.1786
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	1050951	177252	5.9292	266.5956
Amitriptyline	Amitriptyline-D3	7.286	1507051	132894	11.3402	246.7713
Estazolam	Estazolam-D5	7.283	3681342	689465	5.3394	249.2332
Maprotiline	Nortriptyline-d3	7.286	1558913	121162	12.8664	257.2157
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

Printed at: 9:12 AM on 3/5/2018

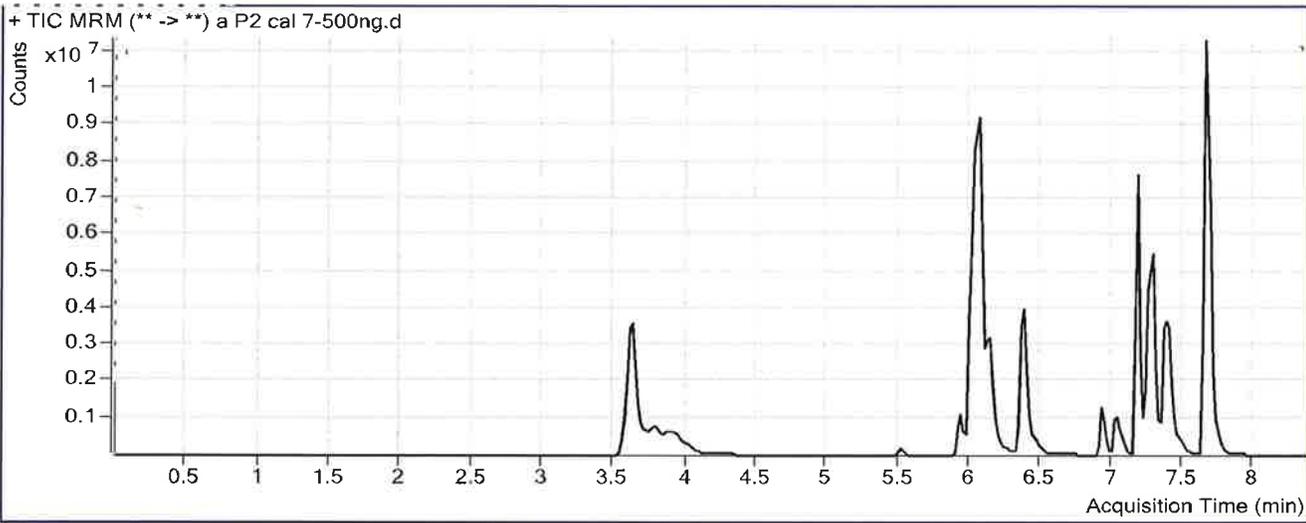| Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Chlordiazepoxide	Chlordiazepoxide-D5	7.402	1462908	581281	2.5167	242.7186
Phenazepam	Phenazepam-D4	7.435	487343	35019	13.9165	264.6841
Prazepam	Prazepam-D5	7.661	11637000	1979622	5.8784	277.2770

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 SP.bi		
Analysis Time	3/5/2018 8:58 AM	**Analyst Name**	ISPUser
Report Time	3/5/2018 9:12 AM	**Reporter Name**	ISPUser
Last Calib Update	3/5/2018 8:58 AM	**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

+ TIC MRM (** -> **) a P2 cal 7-500ng.d

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Pseudoephedrine	Pseudoephedrine-D3	3.636	17659803	1414748	12.4826	491.8852
Levamisole	Benzoylecgonine-d8	3.885	4431248	15176	291.9998	507.6867
Benzoylecgonine	Benzoylecgonine-d8	5.521	300612	15176	19.8090	535.6295
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	405.0970
Ondansetron	Carbamazepine-13C6	6.136	6453943	1593346	4.0506	593.9489
Mirtazapine	Carbamazepine-13C6	6.384	9293715	1593346	5.8328	574.4115
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	1703404	143945	11.8337	532.1190
Amitriptyline	Amitriptyline-D3	7.266	2570141	117627	21.8500	475.9198
Estazolam	Estazolam-D5	7.283	6013906	575179	10.4557	487.7467
Maprotiline	Nortriptyline-d3	7.286	2697552	104592	25.7912	515.2158
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

a P2 cal 7 P

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Chlordiazepoxide	Chlordiazepoxide-D5	7.402	2324083	441730	5.2613	507.5140
Phenazepam	Phenazepam-D4	7.435	737008	29109	25.3191	481.5203
Prazepam	Prazepam-D5	7.661	20100871	2022735	9.9375	469.6401

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

Analysis Time	3/5/2018 8:58 AM	**Analyst Name**	ISPUser
Report Time	3/5/2018 9:12 AM	**Reporter Name**	ISPUser
Last Calib Update	3/5/2018 8:58 AM	**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
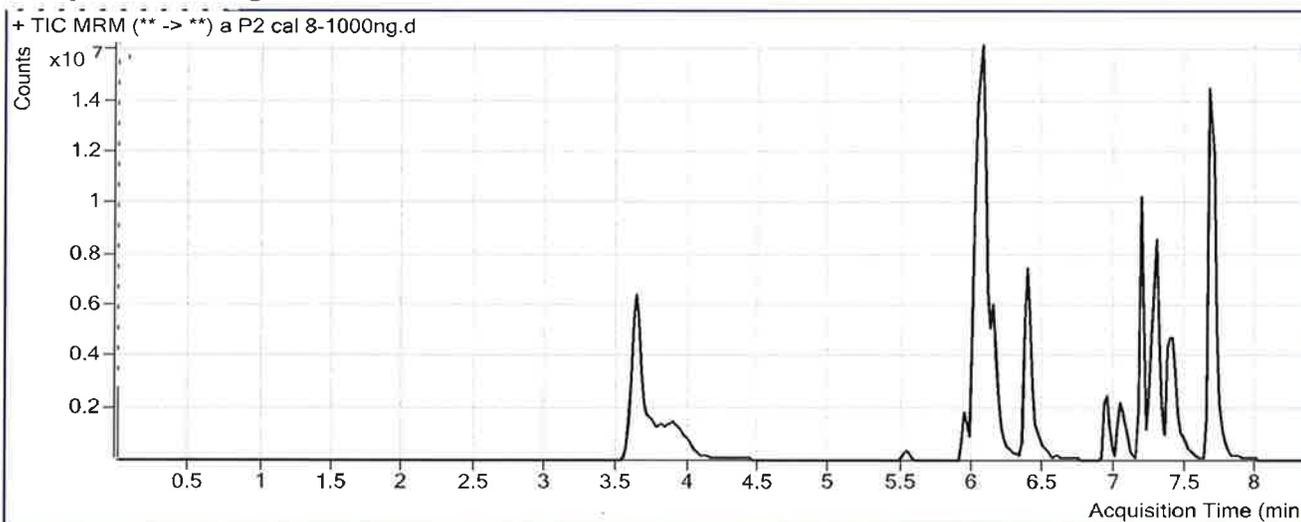
Sample Chromatogram

+ TIC MRM (** -> **) a P2 cal 8-1000ng.d

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Pseudoephedrine	Pseudoephedrine-D3	3.636	34678783	1363138	25.4404	1002.3304
Levamisole	Benzoylecgonine-d8	3.885	9272843	16602	558.5530	970.3478
Benzoylecgonine	Benzoylecgonine-d8	5.541	674819	16602	40.6480	1097.4241
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	705.1397
Ondansetron	Carbamazepine-13C6	6.136	12198315	1043925	11.6850	1710.5816
Mirtazapine	Carbamazepine-13C6	6.384	17726806	1043925	16.9809	1667.0354
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	3025568	142972	21.1619	951.6051
Amitriptyline	Amitriptyline-D3	7.286	5271496	122662	42.9758	936.5351
Estazolam	Estazolam-D5	7.283	7522598	345203	21.7918	1016.2164
Maprotiline	Nortriptyline-d3	7.286	5589923	108041	51.7390	1033.1770
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

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Chlordiazepoxide	Chlordiazepoxide-D5	7.422	3352128	323527	10.3612	999.5414
Phenazepam	Phenazepam-D4	7.455	1004632	22418	44.8135	852.2347
Prazepam	Prazepam-D5	7.661	31562141	1545316	20.4244	966.6249

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 P2b 022018 SP.b
Analysis Time	2/27/2018 8:55 AM	**Analyst Name**	ISPUser
Report Time	2/27/2018 8:58 AM	**Reporter Name**	ISPUser
Last Calib Update	2/27/2018 8:55 AM	**Batch State**	Processed

Analysis Info

Acq Time	2018-02-22 15:03	**Data File**	b P2 Negative control reinject-2.d
Sample Type	Sample	**Sample Name**	b Negative control
Dilution	1	**Acq Method**	MDQ Panel 2b 2-22-18.m
Position	P2-E6	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28-Panel 2

Sample Chromatogram

+ TIC MRM (** -> **) b P2 Negative control reinject-2.d
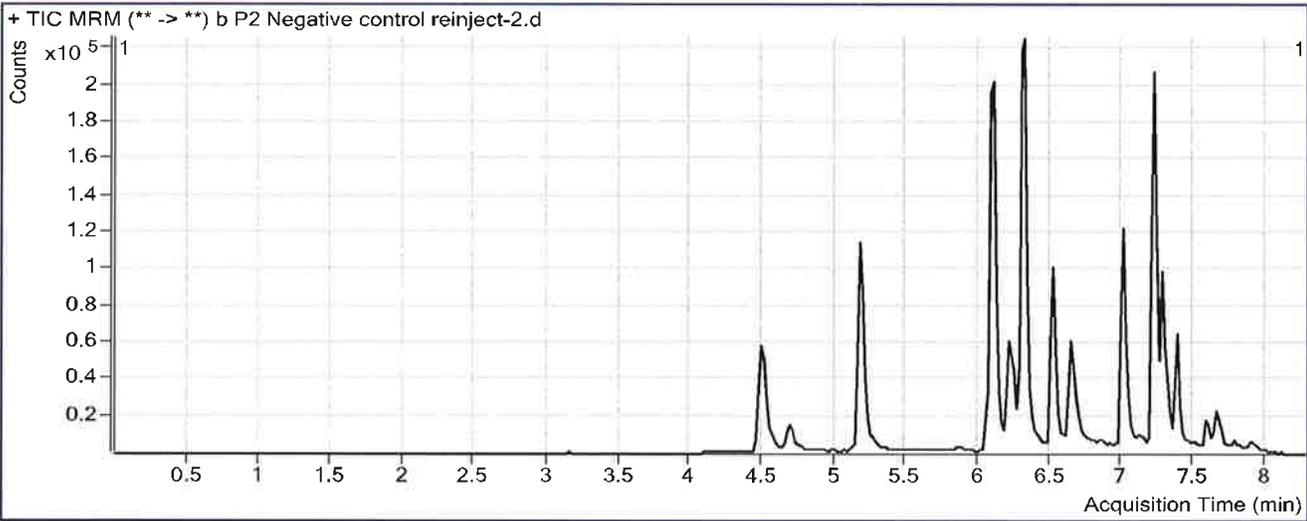
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
MDA	MDA-D5	4.217	103	252892	0.0004	0.0000 <5
MDMA	MDMA-D6	4.814	206	54610	0.0038	0.2852 <5
MDEA	MDEA-D6	5.188	478	413773	0.0012	0.5439 <5
Tapentadol	Tapentadol-D3	6.083	3313	698379	0.0047	0.8026 <5
Meperidine	Meperidine-D4	6.216	1796	191773	0.0094	1.6657 <5
7-aminoflunitrazepam	7-aminoflunitrazepam-D7	6.332	744	550207	0.0014	0.0000 <5
Normeperidine	Normeperidine-D4	6.301	4066	198044	0.0205	1.3221 <5
Pentazocine	Pentazocine-13C3	6.494	2462	292072	0.0084	1.0574 <5
Phencyclidine	Phencyclidine-D5	6.664	1259	242190	0.0052	0.9552 <5
Flurazepam	Propoxyphene-D11	6.992	2749	46619	0.0590	0.8320 <5
Zaleplon	Zaleplon-D4	6.998	2984	308304	0.0097	1.7508 <5
Phenytoin	Phenytoin-D10	7.048	555	38127	0.0146	1.7692 <5
Verapamil	Propoxyphene-D11	7.112	6895	46619	0.1479	0.0987 <5
Amoxapine	Zaleplon-D4	7.178	735	308304	0.0024	0.0000 <10
Flunitrazepam	Flunitrazepam-D7	7.219	2793	185206	0.0151	0.0000 <5
Imipramine	Imipramine-D3	7.227	2665	169952	0.0157	0.8195 <5
Propoxyphene	Propoxyphene-D11	7.215	4345	46619	0.0932	0.0000 <5
Desipramine	Desipramine-D3	7.248	3739	171756	0.0218	1.0058 <5
Trimipramine	Trimipramine-D3	7.285	1305	194284	0.0067	1.0087 <5
Clomipramine	Clomipramine-D3	7.380	1824	142415	0.0128	1.8813 <5

ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report b P2 negative P

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Norpropoxyphene	Norpropoxyphene-D5	7.585	146	37476	0.0039	0.0000 <5 P

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 P2b 022018 SP.b
Analysis Time	2/27/2018 8:55 AM	**Analyst Name**	ISPUser
Report Time	2/27/2018 8:58 AM	**Reporter Name**	ISPUser
Last Calib Update	2/27/2018 8:55 AM	**Batch State**	Processed

Analysis Info

Acq Time	2018-02-22 16:36	**Data File**	b P2 External control-50ng mL reinject-4.d
Sample Type	Sample	**Sample Name**	b External control-50ng mL
Dilution	1	**Acq Method**	MDQ Panel 2b 2-22-18.m
Position	P1-F6	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28; WS022018 50 ng flunitrazepam, zopiclone, chlorodiazepoxide

Sample Chromatogram

+ TIC MRM (** -> **) b P2 External control-50ng mL reinject-4.d
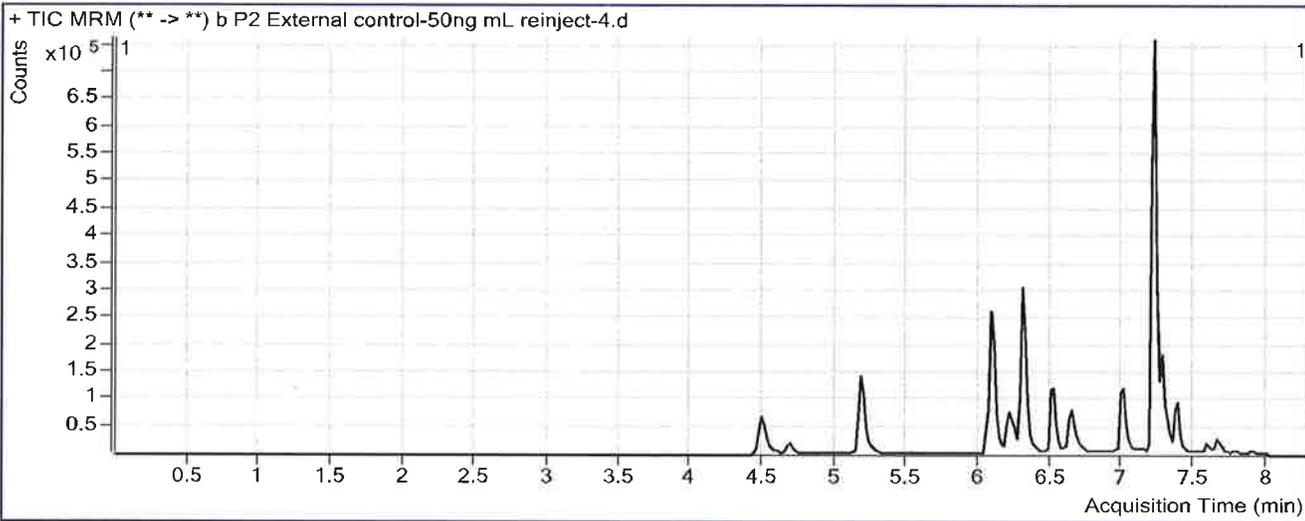
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
MDA	MDA-D5	4.518	2089	295181	0.0071	0.0000 <5
MDMA	MDMA-D6	4.693	264	67089	0.0039	0.2863 <5
MDEA	MDEA-D6	5.228	763	521974	0.0015	0.5605 <5
Tapentadol	Tapentadol-D3	6.103	5845	831332	0.0070	0.8806 <5
Meperidine	Meperidine-D4	6.216	2307	266069	0.0087	1.6347 <5
7-aminoflunitrazepam	7-aminoflunitrazepam-D7	6.312	3971	637118	0.0062	0.2150 <5
Normeperidine	Normeperidine-D4	6.321	3674	279217	0.0132	1.1188 <5
Pentazocine	Pentazocine-13C3	6.514	3124	399013	0.0078	1.0284 <5
Phencyclidine	Phencyclidine-D5	6.642	3014	332682	0.0091	1.1508 <5
Flurazepam	Propoxyphene-D11	6.972	5193	64897	0.0800	1.0074 <5
Zaleplon	Zaleplon-D4	6.998	9390	334037	0.0281	2.1287 <5
Phenytoin	Phenytoin-D10	7.027	869	37545	0.0231	2.0313 <5
Verapamil	Propoxyphene-D11	7.112	13710	64897	0.2113	0.5730 <6
Amoxapine	Zaleplon-D4	7.198	32493	334037	0.0973	20.1261 *
Flunitrazepam	Flunitrazepam-D7	7.219	931961	188659	4.9399	54.1905
Imipramine	Imipramine-D3	7.227	9077	273174	0.0332	1.6022 <5
Propoxyphene	Propoxyphene-D11	7.215	10831	64897	0.1669	0.3172 <5
Desipramine	Desipramine-D3	7.248	10499	289278	0.0363	1.6218 <5
Trimipramine	Trimipramine-D3	7.285	5305	317939	0.0167	1.5820 <5
Clomipramine	Clomipramine-D3	7.380	5767	234109	0.0246	2.3681 <5

*Amoxapine is negative due to low ratio.

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Norpropoxyphene	Norpropoxyphene-D5	7.585	984	41328	0.0238	0.5258 <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 P2b 022018 SP.b:
Analysis Time	2/27/2018 8:55 AM	**Analyst Name**	ISPUser
Report Time	2/27/2018 8:57 AM	**Reporter Name**	ISPUser
Last Calib Update	2/27/2018 8:55 AM	**Batch State**	Processed

Analysis Info

Acq Time	2018-02-22 12:24	**Data File**	b P2 QC 10 (QC1) reinject.d
Sample Type	QC	**Sample Name**	b QC 10 (QC1)
Dilution	1	**Acq Method**	MDQ Panel 2b 2-22-18.m
Position	P2-A6	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28-Panel 2
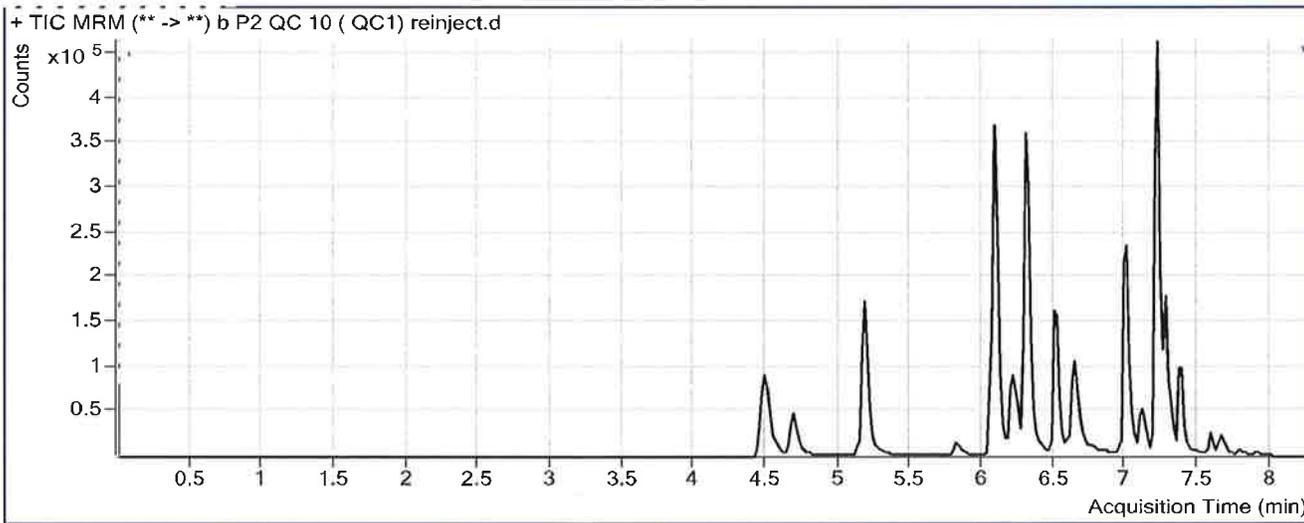
Sample Chromatogram

+ TIC MRM (** -> **) b P2 QC 10 (QC1) reinject.d

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
MDA	MDA-D5	4.518	128386	280590	0.4576	9.7968
MDMA	MDMA-D6	4.693	80112	61515	1.3023	9.9200
MDEA	MDEA-D6	5.188	87020	500986	0.1737	9.9018
Primidone	MDEA-D6	5.817	25331	500986	0.0506	10.8552
Tapentadol	Tapentadol-D3	6.083	237388	811604	0.2925	10.6211
Meperidine	Meperidine-D4	6.216	48580	239604	0.2028	10.2958
7-aminoflunitrazepam	7-aminoflunitrazepam-D7	6.312	126516	638837	0.1980	10.4732
Normeperidine	Normeperidine-D4	6.321	92086	263335	0.3497	10.3926
Pentazocine	Pentazocine-13C3	6.494	78039	386856	0.2017	10.4162
Phencyclidine	Phencyclidine-D5	6.664	68632	298877	0.2296	12.3301
Flurazepam	Propoxyphene-D11	6.972	78952	63846	1.2366	10.6418
Zaleplon	Zaleplon-D4	6.998	145958	343512	0.4249	10.2653
Phenytoin	Phenytoin-D10	7.048	10847	42371	0.2560	9.1592
Verapamil	Propoxyphene-D11	7.112	86604	63846	1.3565	9.1446
Amoxapine	Zaleplon-D4	7.178	14607	343512	0.0425	8.1967
Flunitrazepam	Flunitrazepam-D7	7.219	201237	202523	0.9937	10.1420
Imipramine	Imipramine-D3	7.227	57037	230833	0.2471	11.1426
Propoxyphene	Propoxyphene-D11	7.215	79326	63846	1.2425	9.2421
Desipramine	Desipramine-D3	7.248	58439	252551	0.2314	9.8947
Trimipramine	Trimipramine-D3	7.285	39299	251327	0.1564	9.6164

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clomipramine	Clomipramine-D3	7.359	44418	183152	0.2425	11.3399
Norpropoxyphene	Norpropoxyphene-D5	7.565	7035	43237	0.1627	7.7034

# 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 P2b 022018 SP.b

Analysis Time	2/27/2018 8:55 AM	**Analyst Name**	ISPUser
Report Time	2/27/2018 8:57 AM	**Reporter Name**	ISPUser
Last Calib Update	2/27/2018 8:55 AM	**Batch State**	Processed

Analysis Info

Acq Time	2018-02-22 12:55	**Data File**	b P2 QC 100 (QC2) reinject.d
Sample Type	QC	**Sample Name**	b QC 100 (QC2)
Dilution	1	**Acq Method**	MDQ Panel 2b 2-22-18.m
Position	P2-B6	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28-Panel 2

Sample Chromatogram

+ TIC MRM (** -> **) b P2 QC 100 (QC2) reinject.d
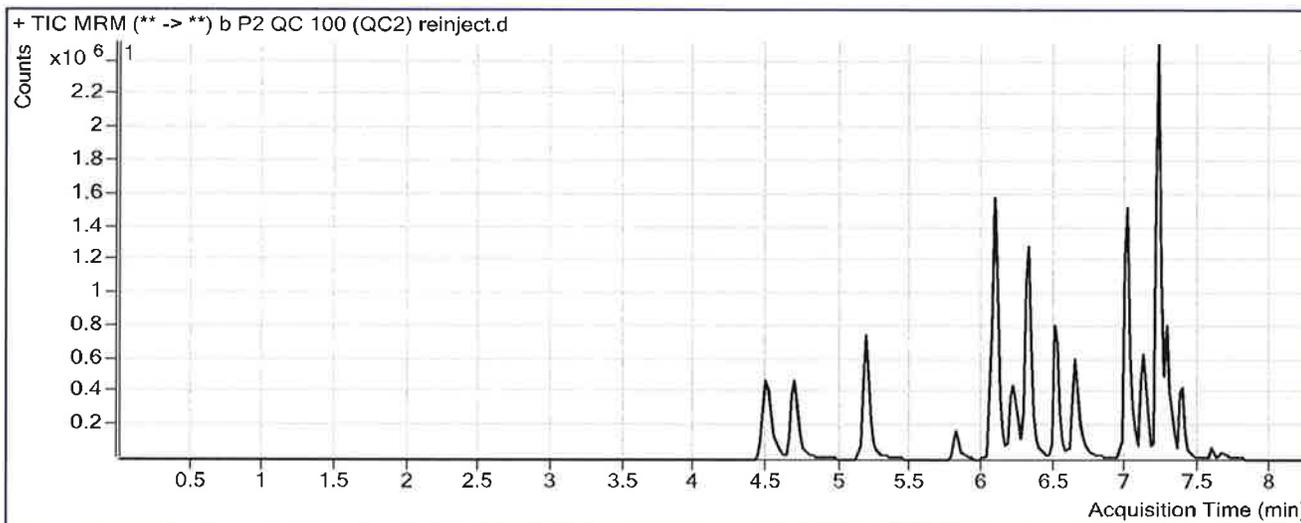
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
MDA	MDA-D5	4.498	1459927	307001	4.7554	108.8082
MDMA	MDMA-D6	4.693	1108792	79306	13.9812	103.9947
MDEA	MDEA-D6	5.168	1238968	640037	1.9358	105.4690
Primidone	MDEA-D6	5.817	297541	640037	0.4649	108.6105
Tapentadol	Tapentadol-D3	6.083	2895442	985535	2.9379	100.8881
Meperidine	Meperidine-D4	6.216	723551	322299	2.2450	101.4316
7-aminoflunitrazepam	7-aminoflunitrazepam-D7	6.312	1317923	672349	1.9602	104.7139
Normeperidine	Normeperidine-D4	6.321	1221955	343391	3.5585	98.8166
Pentazocine	Pentazocine-13C3	6.494	1056910	510412	2.0707	100.9067
Phencyclidine	Phencyclidine-D5	6.642	975699	477338	2.0440	104.2880
Flurazepam	Propoxyphene-D11	6.972	1070256	85541	12.5116	104.5639
Zaleplon	Zaleplon-D4	6.998	1561055	333454	4.6815	97.5514
Phenytoin	Phenytoin-D10	7.048	132521	37679	3.5171	108.9760
Verapamil	Propoxyphene-D11	7.112	1129936	85541	13.2093	97.8607
Amoxapine	Zaleplon-D4	7.178	167766	333454	0.5031	108.5503
Flunitrazepam	Flunitrazepam-D7	7.219	1640750	173627	9.4499	104.5306
Imipramine	Imipramine-D3	7.227	677484	281972	2.4027	107.3012
Propoxyphene	Propoxyphene-D11	7.215	1057022	85541	12.3569	101.4695
Desipramine	Desipramine-D3	7.248	704989	295792	2.3834	101.1470
Trimipramine	Trimipramine-D3	7.285	567672	334135	1.6989	98.3445

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clomipramine	Clomipramine-D3	7.380	500887	203691	2.4591	102.6075
Norpropoxyphene	Norpropoxyphene-D5	7.565	81275	41351	1.9655	100.8655

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 P2b 022018 SP.b
Analysis Time	2/27/2018 8:55 AM	**Analyst Name**	ISPUser
Report Time	2/27/2018 8:58 AM	**Reporter Name**	ISPUser
Last Calib Update	2/27/2018 8:55 AM	**Batch State**	Processed

Analysis Info

Acq Time	2018-02-22 13:27	**Data File**	b P2 QC 250 (QC 3) reinject.d
Sample Type	QC	**Sample Name**	b QC 250 (QC 3)
Dilution	1	**Acq Method**	MDQ Panel 2b 2-22-18.m
Position	P2-C6	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28-Panel 2

Sample Chromatogram

+ TIC MRM (** -> **) b P2 QC 250 (QC 3) reinject.d
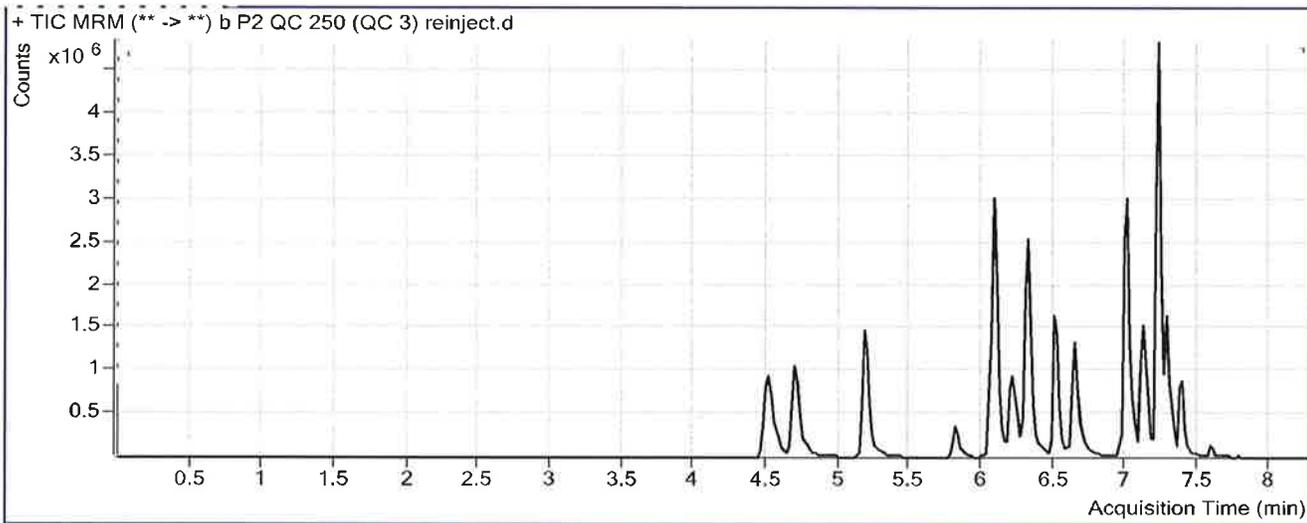
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
MDA	MDA-D5	4.518	3107302	282662	10.9930	252.5039
MDMA	MDMA-D6	4.693	2559035	76332	33.5251	249.0064
MDEA	MDEA-D6	5.168	2854508	612807	4.6581	253.1146
Primidone	MDEA-D6	5.817	649663	612807	1.0601	249.0575
Tapentadol	Tapentadol-D3	6.083	6393985	886457	7.2130	246.7592
Meperidine	Meperidine-D4	6.216	1701320	307473	5.5332	248.1736
7-aminoflunitrazepam	7-aminoflunitrazepam-D7	6.312	2992108	663862	4.5071	240.9271
Normeperidine	Normeperidine-D4	6.321	2712509	325342	8.3374	230.5084
Pentazocine	Pentazocine-13C3	6.494	2499004	479061	5.2165	253.2156
Phencyclidine	Phencyclidine-D5	6.642	2254803	450358	5.0067	254.4408
Flurazepam	Propoxyphene-D11	6.972	2569145	90015	28.5412	238.0929
Zaleplon	Zaleplon-D4	6.998	3239228	272850	11.8718	244.9982
Phenytoin	Phenytoin-D10	7.048	308560	32060	9.6245	295.9106
Verapamil	Propoxyphene-D11	7.112	2797573	90015	31.0789	231.6118
Amoxapine	Zaleplon-D4	7.178	355399	272850	1.3025	282.7295
Flunitrazepam	Flunitrazepam-D7	7.219	2686296	121239	22.1570	246.3680
Imipramine	Imipramine-D3	7.227	1526627	268517	5.6854	253.7423
Propoxyphene	Propoxyphene-D11	7.215	2549476	90015	28.3227	233.9539
Desipramine	Desipramine-D3	7.248	1576432	287230	5.4884	232.8101
Trimipramine	Trimipramine-D3	7.285	1347708	318134	4.2363	244.2931

b P2 QC 250

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clomipramine	Clomipramine-D3	7.380	1167042	196594	5.9363	245.7866
Norpropoxyphene	Norpropoxyphene-D5	7.565	236117	48864	4.8321	249.0002

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 P2b 022018 SP.b
Analysis Time	2/27/2018 8:55 AM **Analyst Name** ISPUser
Report Time	2/27/2018 8:58 AM **Reporter Name** ISPUser
Last Calib Update	2/27/2018 8:55 AM **Batch State** Processed

Analysis Info

Acq Time	2018-02-22 13:58	**Data File**	b P2 QC 1000 (QC4) reinject.d
Sample Type	QC	**Sample Name**	b QC 1000 (QC4)
Dilution	1	**Acq Method**	MDQ Panel 2b 2-22-18.m
Position	P2-D6	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28-Panel 2
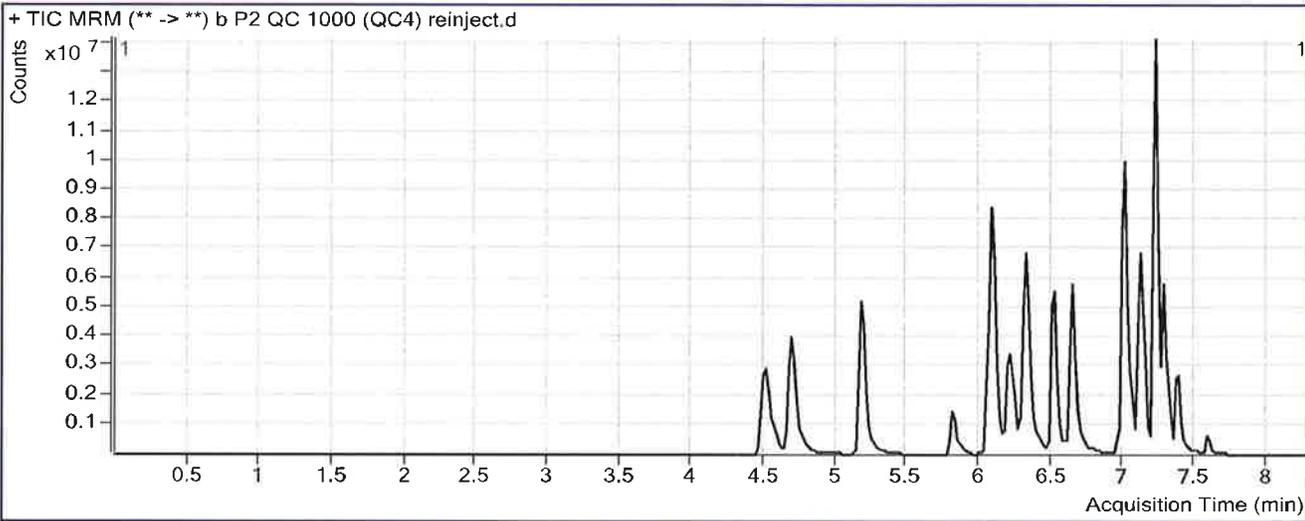
Sample Chromatogram

+ TIC MRM (** -> **) b P2 QC 1000 (QC4) reinject.d

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
MDA	MDA-D5	4.518	10207094	244189	41.7999	962.2077
MDMA	MDMA-D6	4.693	10209701	76120	134.1263	995.4467
MDEA	MDEA-D6	5.168	11376172	617990	18.4083	998.8662
Primidone	MDEA-D6	5.817	2514364	617990	4.0686	958.8830
Tapentadol	Tapentadol-D3	6.083	21819806	730722	29.8606	1019.5349
Meperidine	Meperidine-D4	6.216	6589267	292166	22.5531	1007.7043
7-aminoflunitrazepam	7-aminoflunitrazepam-D7	6.312	11494755	737034	15.5960	833.9690
Normeperidine	Normeperidine-D4	6.301	8088576	236137	34.2537	944.6767
Pentazocine	Pentazocine-13C3	6.514	9553349	439811	21.7215	1052.3422
Phencyclidine	Phencyclidine-D5	6.642	9967041	482482	20.6578	1047.6737
Flurazepam	Propoxyphene-D11	6.972	10274319	85859	119.6647	997.1626
Zaleplon	Zaleplon-D4	6.998	10673528	200907	53.1267	1090.9780
Phenytoin	Phenytoin-D10	7.048	1282213	38016	33.7283	1033.6843
Verapamil	Propoxyphene-D11	7.112	12063561	85859	140.5040	1050.6393
Amoxapine	Zaleplon-D4	7.178	894816	200907	4.4539	969.3398
Flunitrazepam	Flunitrazepam-D7	7.219	5470837	55727	98.1719	1094.8497
Imipramine	Imipramine-D3	7.227	5511098	247959	22.2258	991.5999
Propoxyphene	Propoxyphene-D11	7.215	9857631	85859	114.8116	951.6373
Desipramine	Desipramine-D3	7.248	5203304	220319	23.6172	1001.5326
Trimipramine	Trimipramine-D3	7.285	5542578	318835	17.3838	1000.5394

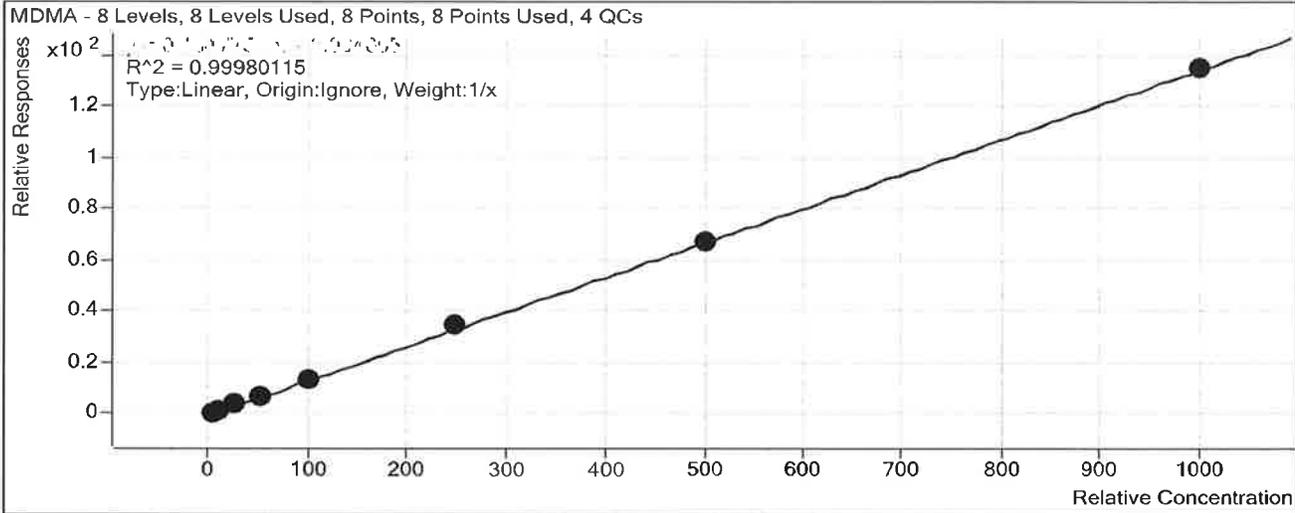| Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clomipramine	Clomipramine-D3	7.380	3938832	163677	24.0646	992.2353
Norpropoxyphene	Norpropoxyphene-D5	7.565	1195960	54275	22.0354	1138.0095

Calibration Curve Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ P2b 022018 SP.batch.bin	
Last Calib Update	2/27/2018 8:55 AM	**Analyst Name** ISP TOX

Target Compound *MDA*
Internal Standard *MDA-D5*

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

$y = 0.043408 * x + 0.032295$
$R^2 = 0.99881375$
Type:Linear, Origin:Ignore, Weight:1/x
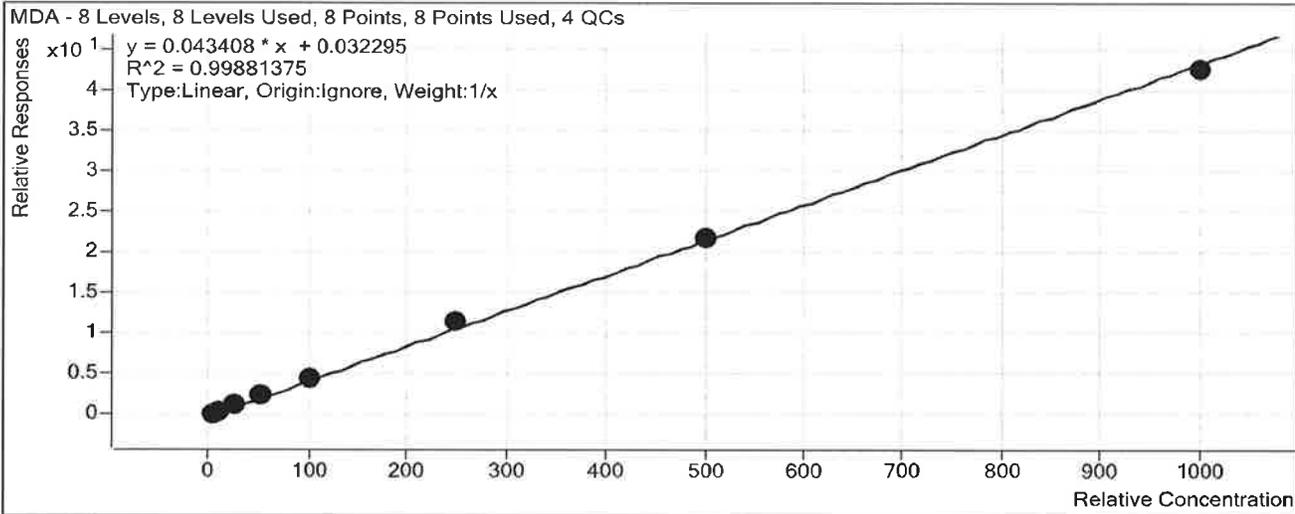
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	☑	5	4.2	84.0
b cal 2-10ng	2	☑	10	9.5	94.9
b QC 10 (QC1)	2	☑	10	9.8	98.0
b cal 3-25ng	3	☑	25	27.0	108.0
b cal 4-50ng	4	☑	50	52.4	104.8
b cal 5-100ng	5	☑	100	104.4	104.4
b QC 100 (QC2)	5	☑	100	108.8	108.8
b cal 6-250ng	6	☑	250	265.0	106.0
b QC 250 (QC 3)	6	☑	250	252.5	101.0
b cal 7-500ng	7	☑	500	501.5	100.3
b QC 1000 (QC4)	8	☑	1000	962.2	96.2
b cal 8-1000ng	8	☑	1000	976.0	97.6

Batch Data Path   C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ P2b 022018 SP.batch.bin

Last Calib Update   2/27/2018 8:55 AM   **Analyst Name**   ISP TOX

Target Compound   *MDMA*
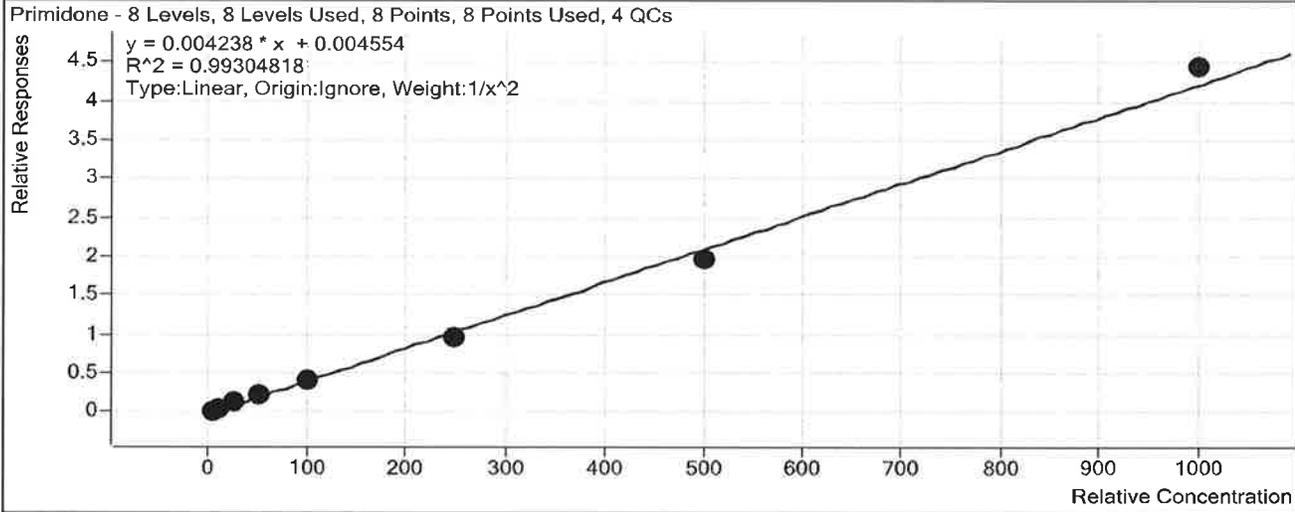*Internal Standard*   *MDMA-D6*

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

R^2 = 0.99980115
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	☑	5	4.9	97.4
b cal 2-10ng	2	☑	10	9.9	98.7
b QC 10 (QC1)	2	☑	10	9.9	99.2
b cal 3-25ng	3	☑	25	26.4	105.4
b cal 4-50ng	4	☑	50	49.4	98.8
b cal 5-100ng	5	☑	100	97.8	97.8
b QC 100 (QC2)	5	☑	100	104.0	104.0
b cal 6-250ng	6	☑	250	256.9	102.8
b QC 250 (QC 3)	6	☑	250	249.0	99.6
b cal 7-500ng	7	☑	500	496.3	99.3
b QC 1000 (QC4)	8	☑	1000	995.4	99.5
b cal 8-1000ng	8	☑	1000	998.5	99.8

Calibration Curve Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ P2b 022018 SP.batch.bin		
Last Calib Update	2/27/2018 8:55 AM	**Analyst Name**	ISP TOX

Target Compound MDEA
Internal Standard MDEA-D6

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

$y = 0.018438 * x - 0.008873$
$R^2 = 0.99953839$
Type:Linear, Origin:Ignore, Weight:1/x
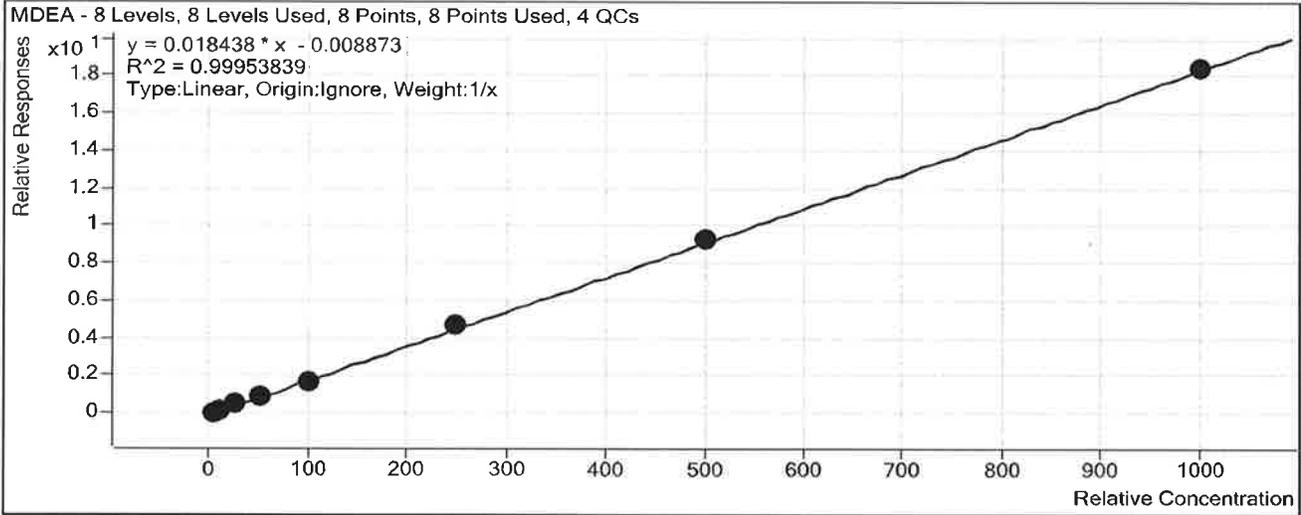
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	☑	5	5.0	100.3
b cal 2-10ng	2	☑	10	9.9	99.2
b QC 10 (QC1)	2	☑	10	9.9	99.0
b cal 3-25ng	3	☑	25	26.4	105.5
b cal 4-50ng	4	☑	50	49.2	98.4
b cal 5-100ng	5	☑	100	93.3	93.3
b QC 100 (QC2)	5	☑	100	105.5	105.5
b cal 6-250ng	6	☑	250	258.2	103.3
b QC 250 (QC 3)	6	☑	250	253.1	101.2
b cal 7-500ng	7	☑	500	501.5	100.3
b QC 1000 (QC4)	8	☑	1000	998.9	99.9
b cal 8-1000ng	8	☑	1000	996.5	99.6

Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ P2b 022018 SP.batch.bin

Last Calib Update 2/27/2018 8:55 AM   **Analyst Name**   ISP TOX

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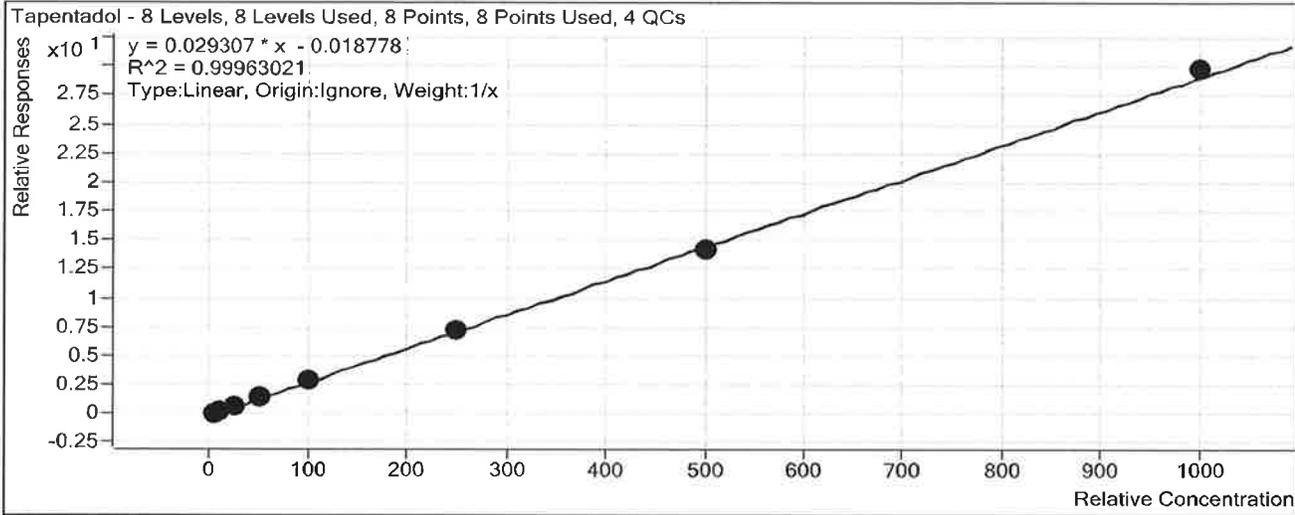*Internal Standard* *MDEA-D6*

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

$y = 0.004238 * x + 0.004554$
$R^2 = 0.99304818$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	☑	5	4.7	94.6
b cal 2-10ng	2	☑	10	10.7	107.0
b QC 10 (QC1)	2	☑	10	10.9	108.6
b cal 3-25ng	3	☑	25	27.1	108.4
b cal 4-50ng	4	☑	50	53.0	106.1
b cal 5-100ng	5	☑	100	96.7	96.7
b QC 100 (QC2)	5	☑	100	108.6	108.6
b cal 6-250ng	6	☑	250	225.1	90.0
b QC 250 (QC 3)	6	☑	250	249.1	99.6
b cal 7-500ng	7	☑	500	463.6	92.7
b QC 1000 (QC4)	8	☑	1000	958.9	95.9
b cal 8-1000ng	8	☑	1000	1044.9	104.5

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ P2b 022018 SP.batch.bin		
Last Calib Update	2/27/2018 8:55 AM	**Analyst Name**	ISP TOX

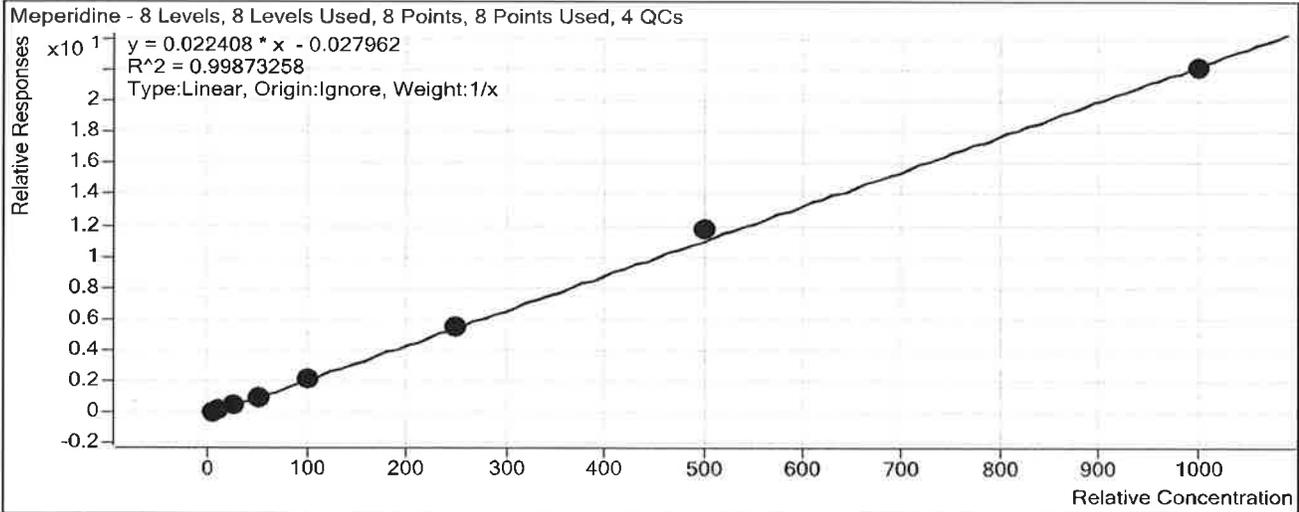**Target Compound** *Tapentadol*
Internal Standard *Tapentadol-D3*

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

$y = 0.029307 * x - 0.018778$
$R^2 = 0.99963021$
Type:Linear, Origin:Ignore, Weight:1/x

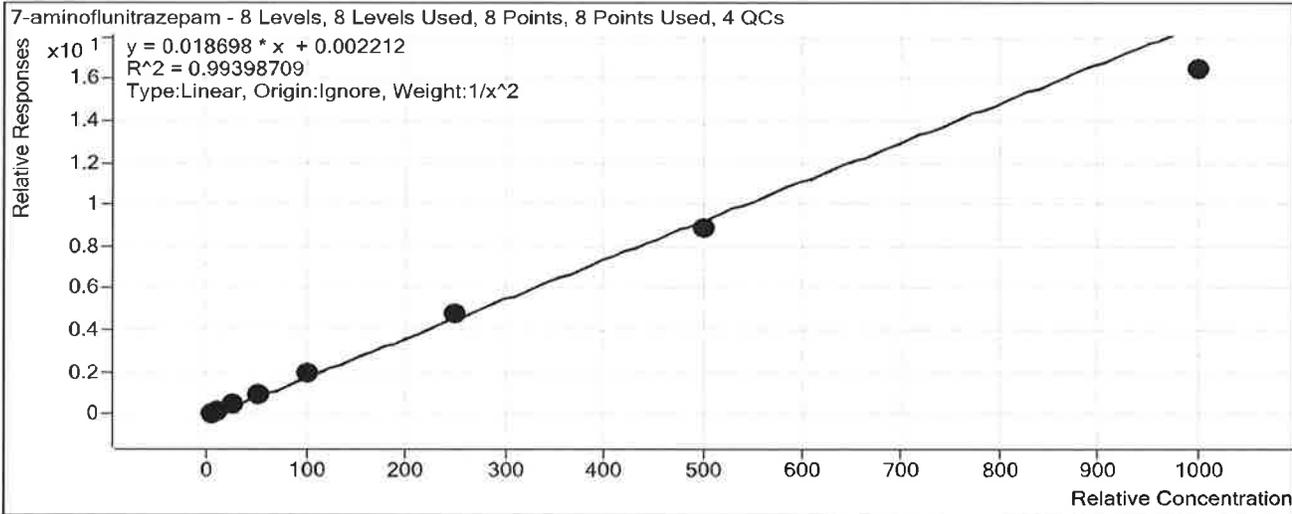| Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	☑	5	5.1	101.7
b cal 2-10ng	2	☑	10	10.4	103.8
b QC 10 (QC1)	2	☑	10	10.6	106.2
b cal 3-25ng	3	☑	25	25.3	101.3
b cal 4-50ng	4	☑	50	48.6	97.1
b cal 5-100ng	5	☑	100	97.5	97.5
b QC 100 (QC2)	5	☑	100	100.9	100.9
b cal 6-250ng	6	☑	250	248.0	99.2
b QC 250 (QC 3)	6	☑	250	246.8	98.7
b cal 7-500ng	7	☑	500	488.8	97.8
b QC 1000 (QC4)	8	☑	1000	1019.5	102.0
b cal 8-1000ng	8	☑	1000	1016.3	101.6

ISP Forensics
Calibration Curve Report

Batch Data Path   C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ
P2b 022018 SP.batch.bin

Last Calib Update   2/27/2018 8:55 AM   **Analyst Name**   ISP TOX

Target Compound   *Meperidine*
Internal Standard   *Meperidine-D4*

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

y = 0.022408 * x - 0.027962
R^2 = 0.99873258
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	☑	5	5.5	109.2
b cal 2-10ng	2	☑	10	10.6	106.0
b QC 10 (QC1)	2	☑	10	10.3	103.0
b cal 3-25ng	3	☑	25	24.2	96.9
b cal 4-50ng	4	☑	50	45.1	90.2
b cal 5-100ng	5	☑	100	94.6	94.6
b QC 100 (QC2)	5	☑	100	101.4	101.4
b cal 6-250ng	6	☑	250	249.2	99.7
b QC 250 (QC 3)	6	☑	250	248.2	99.3
b cal 7-500ng	7	☑	500	524.3	104.9
b QC 1000 (QC4)	8	☑	1000	1007.7	100.8
b cal 8-1000ng	8	☑	1000	986.5	98.7

Batch Data Path   C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ P2b 022018 SP.batch.bin

Last Calib Update   2/27/2018 8:55 AM   **Analyst Name**   ISP TOX

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

7-aminoflunitrazepam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.018698 * x + 0.002212$
$R^2 = 0.99398709$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	☑	5	4.8	96.6
b cal 2-10ng	2	☑	10	10.2	101.8
b QC 10 (QC1)	2	☑	10	10.5	104.7
b cal 3-25ng	3	☑	25	27.6	110.5
b cal 4-50ng	4	☑	50	51.7	103.4
b cal 5-100ng	5	☑	100	102.6	102.6
b QC 100 (QC2)	5	☑	100	104.7	104.7
b cal 6-250ng	6	☑	250	255.4	102.2
b QC 250 (QC 3)	6	☑	250	240.9	96.4
b cal 7-500ng	7	☑	500	475.4	95.1
b QC 1000 (QC4)	8	☑	1000	834.0	83.4
b cal 8-1000ng	8	☑	1000	878.7	87.9

Batch Data Path   C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ P2b 022018 SP.batch.bin

Last Calib Update   2/27/2018 8:55 AM   **Analyst Name**   ISP TOX

Target Compound   _Normeperidine_
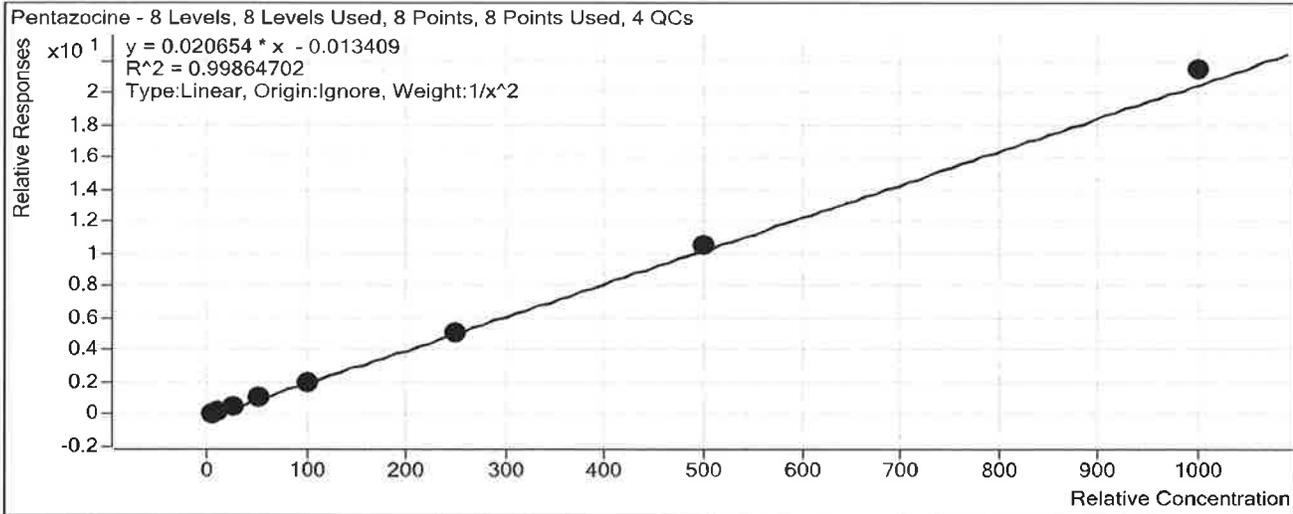_Internal Standard_   _Normeperidine-D4_

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

$y = 0.036289 * x - 0.027444$
$R^2 = 0.99820543$
Type:Linear, Origin:Ignore, Weight:1/x
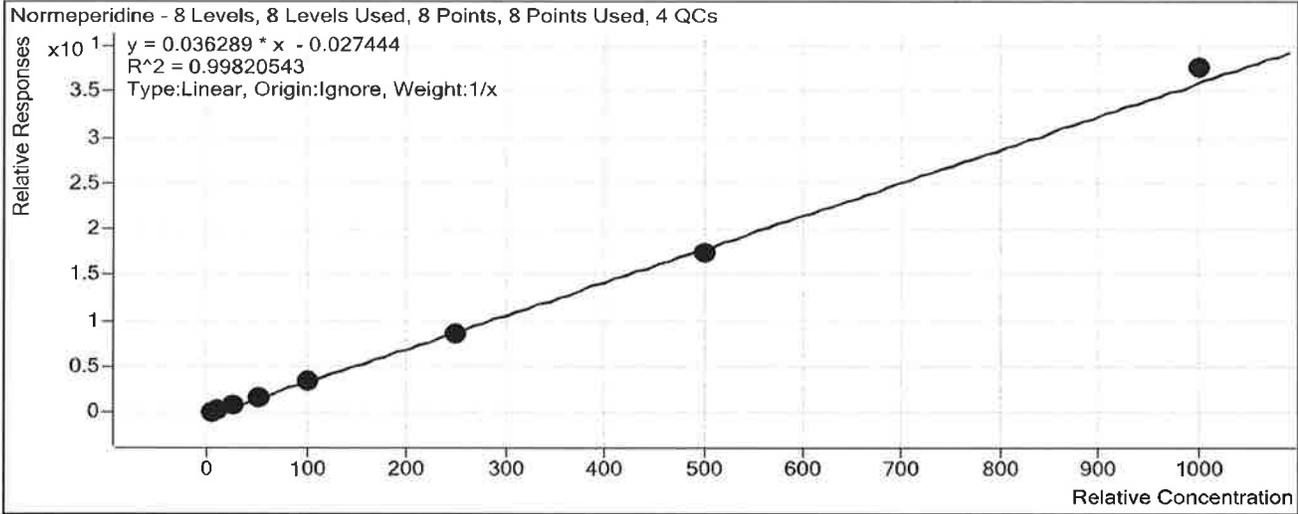
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	☑	5	5.5	109.6
b cal 2-10ng	2	☑	10	10.0	100.2
b QC 10 (QC1)	2	☑	10	10.4	103.9
b cal 3-25ng	3	☑	25	26.3	105.3
b cal 4-50ng	4	☑	50	47.7	95.4
b cal 5-100ng	5	☑	100	94.2	94.2
b QC 100 (QC2)	5	☑	100	98.8	98.8
b cal 6-250ng	6	☑	250	238.5	95.4
b QC 250 (QC 3)	6	☑	250	230.5	92.2
b cal 7-500ng	7	☑	500	480.8	96.2
b QC 1000 (QC4)	8	☑	1000	944.7	94.5
b cal 8-1000ng	8	☑	1000	1036.9	103.7

ISP Forensics
Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ P2b 022018 SP.batch.bin

Last Calib Update 2/27/2018 8:55 AM   **Analyst Name**   ISP TOX

Target Compound *Pentazocine*
Internal Standard *Pentazocine-13C3*

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

$y = 0.020654 * x - 0.013409$
$R^2 = 0.99864702$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	☑	5	4.9	98.9
b cal 2-10ng	2	☑	10	10.2	102.2
b QC 10 (QC1)	2	☑	10	10.4	104.2
b cal 3-25ng	3	☑	25	25.5	102.0
b cal 4-50ng	4	☑	50	49.6	99.3
b cal 5-100ng	5	☑	100	93.5	93.5
b QC 100 (QC2)	5	☑	100	100.9	100.9
b cal 6-250ng	6	☑	250	246.7	98.7
b QC 250 (QC 3)	6	☑	250	253.2	101.3
b cal 7-500ng	7	☑	500	508.2	101.6
b QC 1000 (QC4)	8	☑	1000	1052.3	105.2
b cal 8-1000ng	8	☑	1000	1038.0	103.8

Batch Data Path   C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ P2b 022018 SP.batch.bin

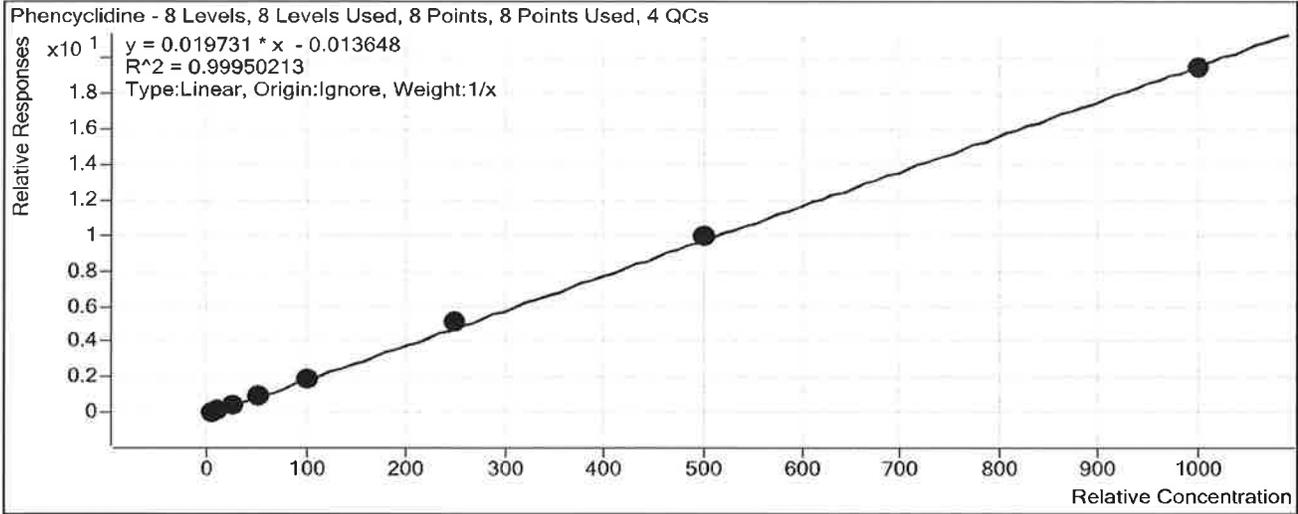**Last Calib Update**   2/27/2018 8:55 AM   **Analyst Name**   ISP TOX

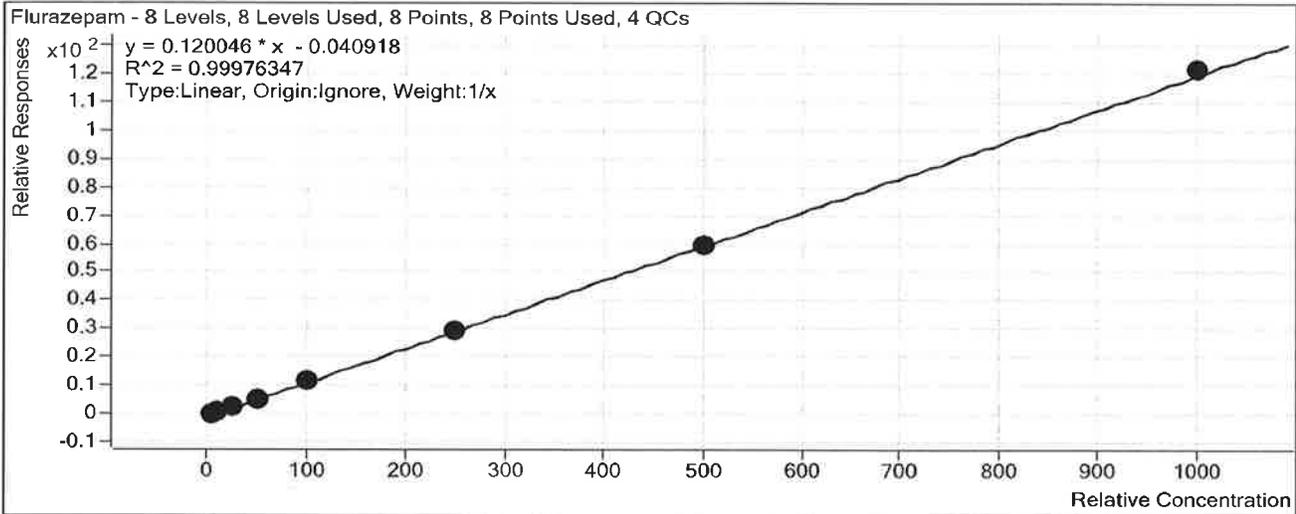***Target Compound***   *Phencyclidine*
Internal Standard   *Phencydlidine-D5*

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

$y = 0.019731 * x - 0.013648$
$R^2 = 0.99950213$
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	☑	5	5.1	101.3
b cal 2-10ng	2	☑	10	9.9	99.2
b QC 10 (QC1)	2	☑	10	12.3	123.3
b cal 3-25ng	3	☑	25	25.2	100.7
b cal 4-50ng	4	☑	50	48.9	97.7
b cal 5-100ng	5	☑	100	96.7	96.7
b QC 100 (QC2)	5	☑	100	104.3	104.3
b cal 6-250ng	6	☑	250	261.2	104.5
b QC 250 (QC 3)	6	☑	250	254.4	101.8
b cal 7-500ng	7	☑	500	506.0	101.2
b QC 1000 (QC4)	8	☑	1000	1047.7	104.8
b cal 8-1000ng	8	☑	1000	987.0	98.7

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ P2b 022018 SP.batch.bin		
Last Calib Update	2/27/2018 8:55 AM	**Analyst Name**	ISP TOX

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

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

$y = 0.120046 * x - 0.040918$
$R^2 = 0.99976347$
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	☑	5	5.4	107.5
b cal 2-10ng	2	☑	10	9.6	96.0
b QC 10 (QC1)	2	☑	10	10.6	106.4
b cal 3-25ng	3	☑	25	25.9	103.6
b cal 4-50ng	4	☑	50	47.1	94.1
b cal 5-100ng	5	☑	100	100.2	100.2
b QC 100 (QC2)	5	☑	100	104.6	104.6
b cal 6-250ng	6	☑	250	245.6	98.3
b QC 250 (QC 3)	6	☑	250	238.1	95.2
b cal 7-500ng	7	☑	500	497.3	99.5
b QC 1000 (QC4)	8	☑	1000	997.2	99.7
b cal 8-1000ng	8	☑	1000	1008.9	100.9

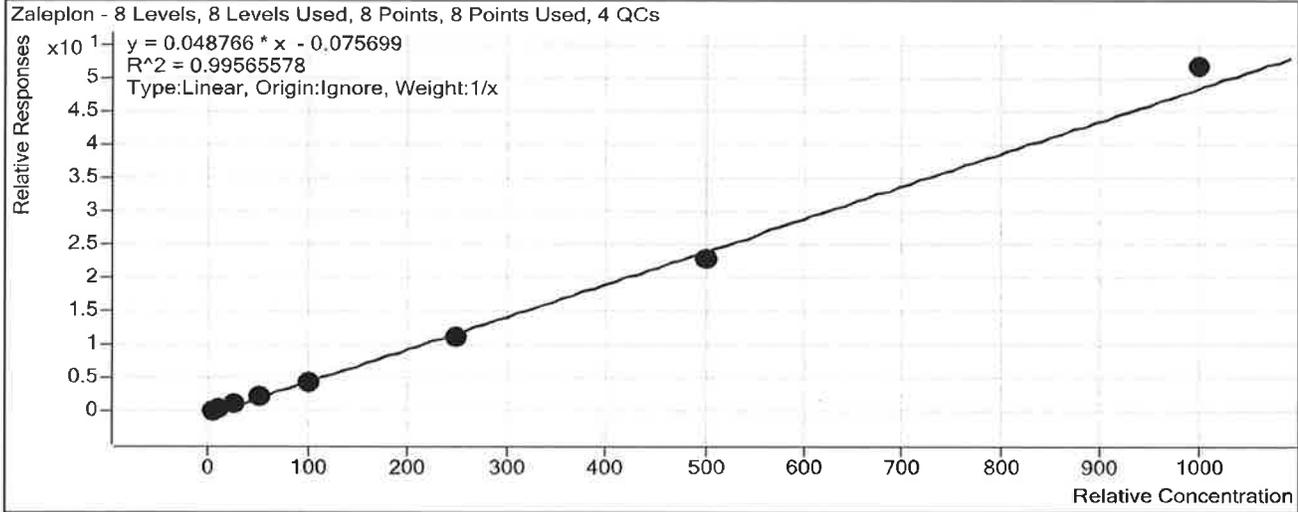|		
Batch Data Path	C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ P2b 022018 SP.batch.bin	
Last Calib Update	2/27/2018 8:55 AM	**Analyst Name** ISP TOX

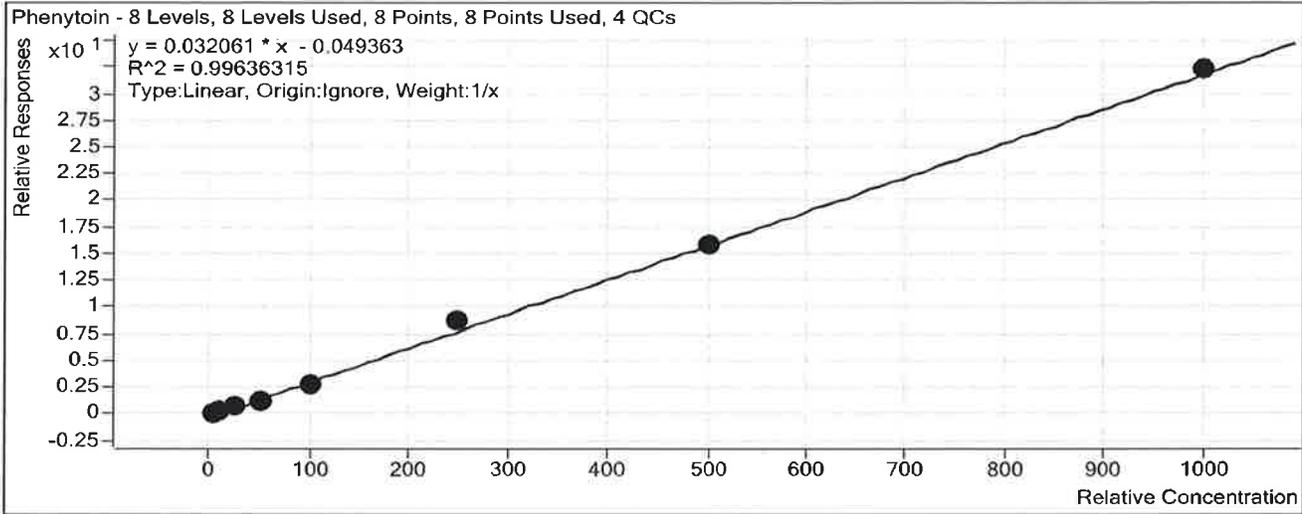***Target Compound***   *Zaleplon*
Internal Standard   *Zaleplon-D4*

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

$y = 0.048766 * x - 0.075699$
$R^2 = 0.99565578$
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	☑	5	5.8	116.8
b cal 2-10ng	2	☑	10	10.7	106.9
b QC 10 (QC1)	2	☑	10	10.3	102.7
b cal 3-25ng	3	☑	25	24.8	99.3
b cal 4-50ng	4	☑	50	45.9	91.8
b cal 5-100ng	5	☑	100	93.1	93.1
b QC 100 (QC2)	5	☑	100	97.6	97.6
b cal 6-250ng	6	☑	250	230.4	92.2
b QC 250 (QC 3)	6	☑	250	245.0	98.0
b cal 7-500ng	7	☑	500	470.6	94.1
b QC 1000 (QC4)	8	☑	1000	1091.0	109.1
b cal 8-1000ng	8	☑	1000	1058.7	105.9

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ P2b 022018 SP.batch.bin
Last Calib Update	3/6/2018 3:42 PM	**Analyst Name**	ISP TOX

Target Compound — *Phenytoin*
Internal Standard — *Phenytoin-D10*

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

$y = 0.032061 * x - 0.049363$
$R^2 = 0.99636315$
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	☑	5	6.4	128.3
b cal 2-10ng	2	☑	10	10.0	99.8
b QC 10 (QC1)	2	☑	10	9.5	95.2
b cal 3-25ng	3	☑	25	24.5	98.1
b cal 4-50ng	4	☑	50	40.4	80.9
b cal 5-100ng	5	☑	100	84.7	84.7
b QC 100 (QC2)	5	☑	100	108.9	108.9
b cal 6-250ng	6	☑	250	271.0	108.4
b QC 250 (QC 3)	6	☑	250	295.9	118.4
b cal 7-500ng	7	☑	500	495.1	99.0
b QC 1000 (QC4)	8	☑	1000	1039.4	103.9
b cal 8-1000ng	8	☑	1000	1007.8	100.8

DNE → low S/N ratios

Batch Data Path   C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ P2b 022018 SP.batch.bin

Last Calib Update   2/27/2018 8:55 AM   **Analyst Name**   ISP TOX

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

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

$y = 0.133604 * x + 0.134705$
$R^2 = 0.99486878$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	☑	5	4.8	96.7
b cal 2-10ng	2	☑	10	10.2	102.3
b QC 10 (QC1)	2	☑	10	9.1	91.4
b cal 3-25ng	3	☑	25	27.3	109.0
b cal 4-50ng	4	☑	50	51.8	103.6
b cal 5-100ng	5	☑	100	101.3	101.3
b QC 100 (QC2)	5	☑	100	97.9	97.9
b cal 6-250ng	6	☑	250	245.8	98.3
b QC 250 (QC 3)	6	☑	250	231.6	92.6
b cal 7-500ng	7	☑	500	506.4	101.3
b QC 1000 (QC4)	8	☑	1000	1050.6	105.1
b cal 8-1000ng	8	☑	1000	875.1	87.5

ISP Forensics
Calibration Curve Report

Batch Data Path   C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ P2b 022018 SP.batch.bin

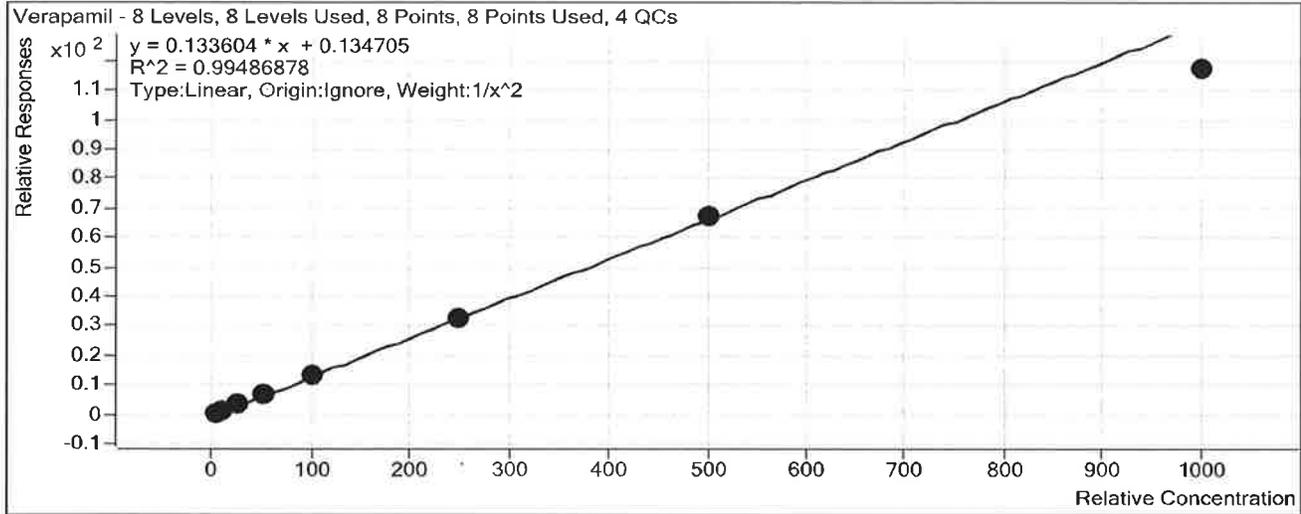**Last Calib Update**   2/27/2018 8:55 AM   **Analyst Name**   ISP TOX

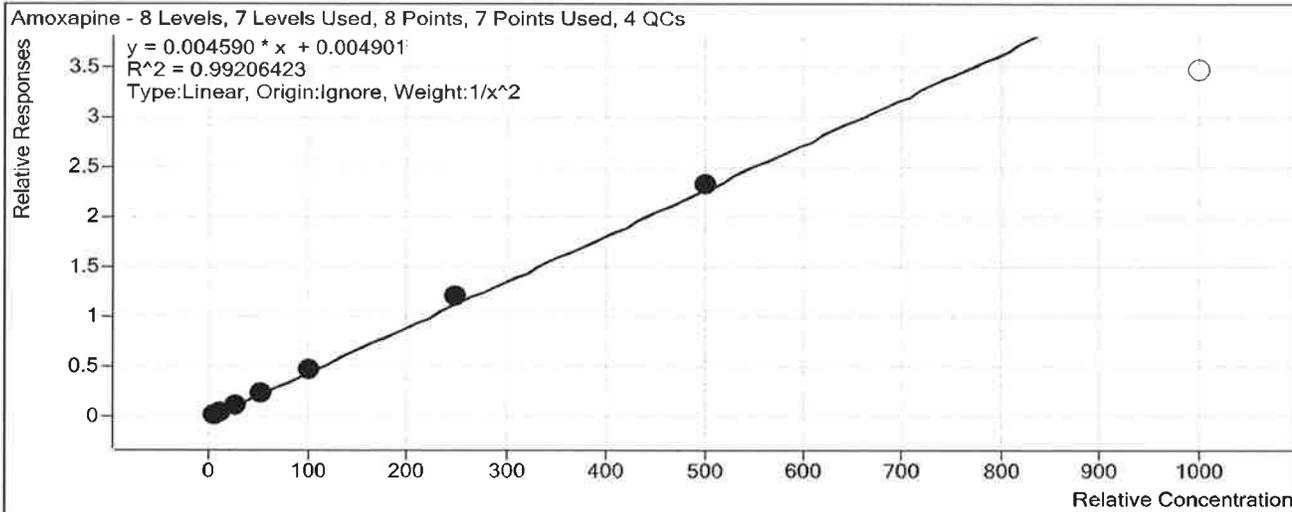**Target Compound**   *Amoxapine*
Internal Standard   *Zaleplon-D4*

Amoxapine - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 4 QCs

$y = 0.004590 * x + 0.004901$
$R^2 = 0.99206423$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	☑	5	5.4	107.6
b cal 2-10ng	2	☑	10	8.6	86.4
b QC 10 (QC1)	2	☑	10	8.2	82.0
b cal 3-25ng	3	☑	25	23.3	93.3
b cal 4-50ng	4	☑	50	51.5	103.1
b cal 5-100ng	5	☑	100	102.1	102.1
b QC 100 (QC2)	5	☑	100	108.6	108.6
b cal 6-250ng	6	☑	250	265.9	106.3
b QC 250 (QC 3)	6	☑	250	282.7	113.1
b cal 7-500ng	7	☑	500	505.8	101.2
b QC 1000 (QC4)	8	☑	1000	969.3	96.9
b cal 8-1000ng	8	☐	1000	756.3	75.6

Batch Data Path   C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ
P2b 022018 SP.batch.bin

Last Calib Update   2/27/2018 8:55 AM   **Analyst Name**   ISP TOX

Target Compound   *Flunitrazepam*
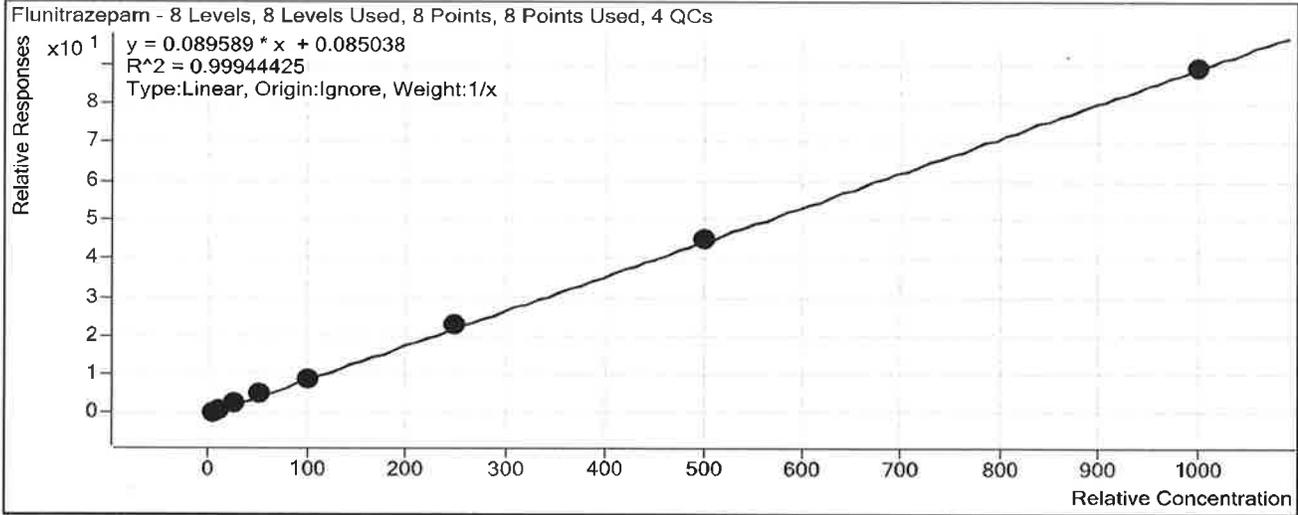*Internal Standard*   *Flunitrazepam-D7*

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

$y = 0.089589 * x + 0.085038$
$R^2 = 0.99944425$
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	☑	5	4.0	79.9
b cal 2-10ng	2	☑	10	10.3	103.1
b QC 10 (QC1)	2	☑	10	10.1	101.4
b cal 3-25ng	3	☑	25	28.0	112.0
b cal 4-50ng	4	☑	50	53.6	107.2
b cal 5-100ng	5	☑	100	97.2	97.2
b QC 100 (QC2)	5	☑	100	104.5	104.5
b cal 6-250ng	6	☑	250	252.4	101.0
b QC 250 (QC 3)	6	☑	250	246.4	98.5
b cal 7-500ng	7	☑	500	501.1	100.2
b QC 1000 (QC4)	8	☑	1000	1094.8	109.5
b cal 8-1000ng	8	☑	1000	993.3	99.3

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ P2b 022018 SP.batch.bin		
Last Calib Update	2/27/2018 8:55 AM	**Analyst Name**	ISP TOX

Target Compound *Imipramine*

Internal Standard *Imipramine-D3*

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

$y = 0.022417 * x - 0.002689$
$R^2 = 0.99988254$
Type:Linear, Origin:Ignore, Weight:1/x
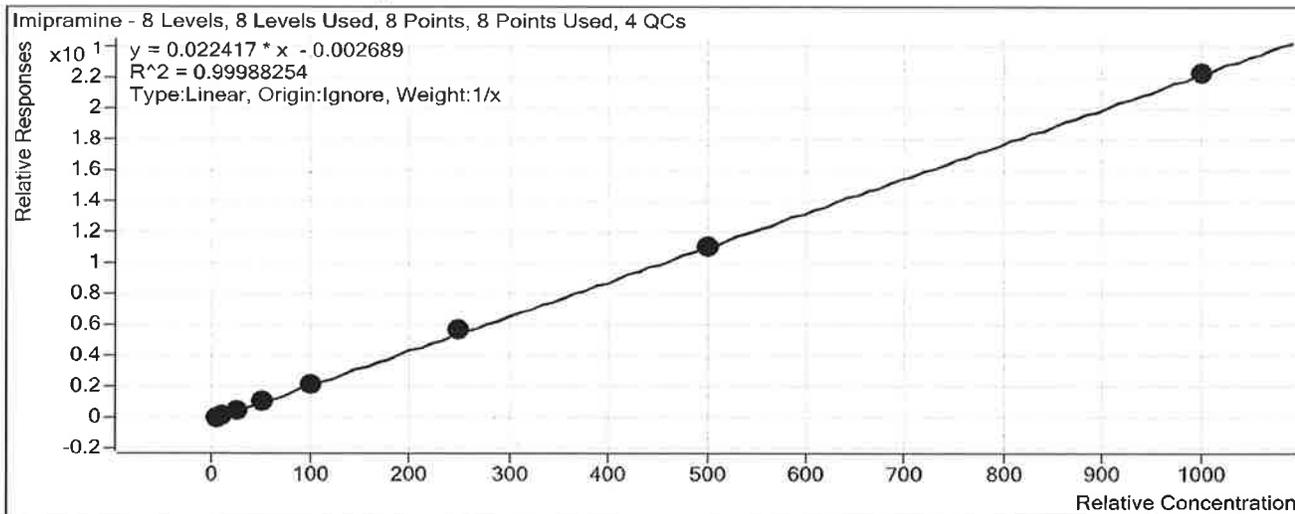
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	☑	5	5.0	100.6
b cal 2-10ng	2	☑	10	9.6	95.6
b QC 10 (QC1)	2	☑	10	11.1	111.4
b cal 3-25ng	3	☑	25	25.9	103.6
b cal 4-50ng	4	☑	50	49.6	99.2
b cal 5-100ng	5	☑	100	99.3	99.3
b QC 100 (QC2)	5	☑	100	107.3	107.3
b cal 6-250ng	6	☑	250	255.6	102.2
b QC 250 (QC 3)	6	☑	250	253.7	101.5
b cal 7-500ng	7	☑	500	500.0	100.0
b QC 1000 (QC4)	8	☑	1000	991.6	99.2
b cal 8-1000ng	8	☑	1000	995.0	99.5

Batch Data Path C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ P2b 022018 SP.batch.bin

Last Calib Update 2/27/2018 8:55 AM **Analyst Name** ISP TOX

Target Compound Propoxyphene
Internal Standard Propoxyphene-D11

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

$y = 0.120511 * x + 0.128672$
$R^2 = 0.99576381$
Type:Linear, Origin:Ignore, Weight:1/x
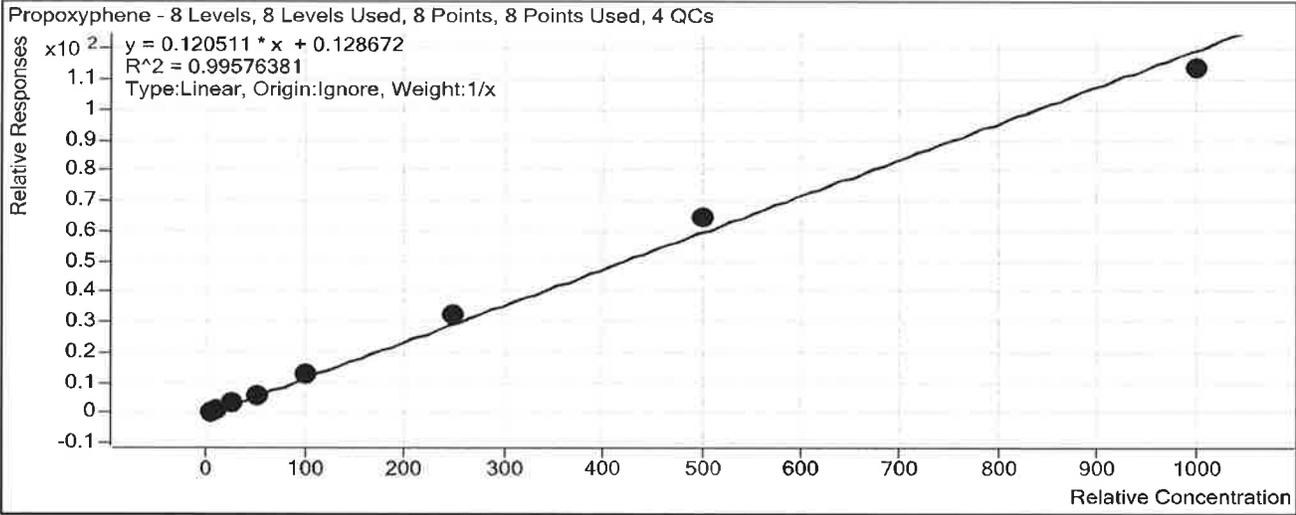
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	☑	5	4.3	85.3
b cal 2-10ng	2	☑	10	8.9	89.2
b QC 10 (QC1)	2	☑	10	9.2	92.4
b cal 3-25ng	3	☑	25	27.5	110.0
b cal 4-50ng	4	☑	50	50.3	100.5
b cal 5-100ng	5	☑	100	107.8	107.8
b QC 100 (QC2)	5	☑	100	101.5	101.5
b cal 6-250ng	6	☑	250	265.9	106.3
b QC 250 (QC 3)	6	☑	250	234.0	93.6
b cal 7-500ng	7	☑	500	532.8	106.6
b QC 1000 (QC4)	8	☑	1000	951.6	95.2
b cal 8-1000ng	8	☑	1000	942.6	94.3

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ P2b 022018 SP.batch.bin		
Last Calib Update	3/6/2018 3:42 PM	**Analyst Name**	ISP TOX

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

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

y = 0.023583 * x - 0.001952
R^2 = 0.99564916
Type:Linear, Origin:Ignore, Weight:1/x^2

Relative Responses (x10¹) vs Relative Concentration
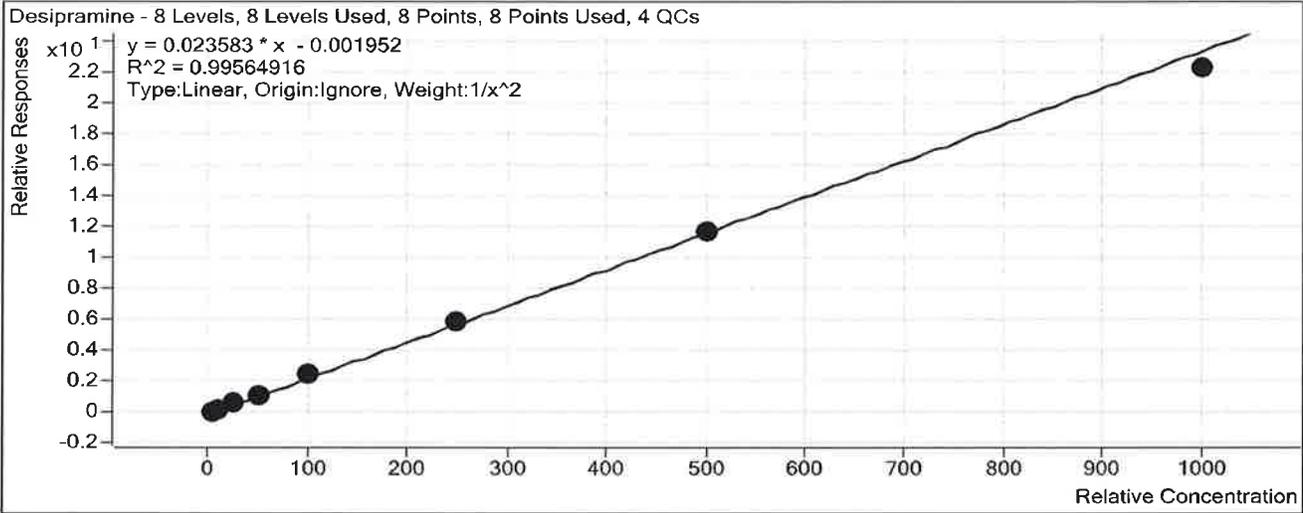
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	☑	5	4.8	96.7
b cal 2-10ng	2	☑	10	10.4	104.0
b QC 10 (QC1)	2	☑	10	9.9	98.9
b cal 3-25ng	3	☑	25	27.5	109.8
b cal 4-50ng	4	☑	50	46.0	91.9
b cal 5-100ng	5	☑	100	103.6	103.6
b QC 100 (QC2)	5	☑	100	101.1	101.1
b cal 6-250ng	6	☑	250	249.7	99.9
b QC 250 (QC 3)	6	☑	250	232.8	93.1
b cal 7-500ng	7	☑	500	497.3	99.5
b QC 1000 (QC4)	8	☑	1000	1001.5	100.2
b cal 8-1000ng	8	☑	1000	946.3	94.6

DNE→low S/N ratios

ictdnow1.xlsx

Batch Data Path   C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ
P2b 022018 SP.batch.bin

Last Calib Update   2/27/2018 8:55 AM   **Analyst Name**   ISP TOX

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

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

y = 0.017385 * x - 0.010818
R^2 = 0.99695043
Type:Linear, Origin:Ignore, Weight:1/x
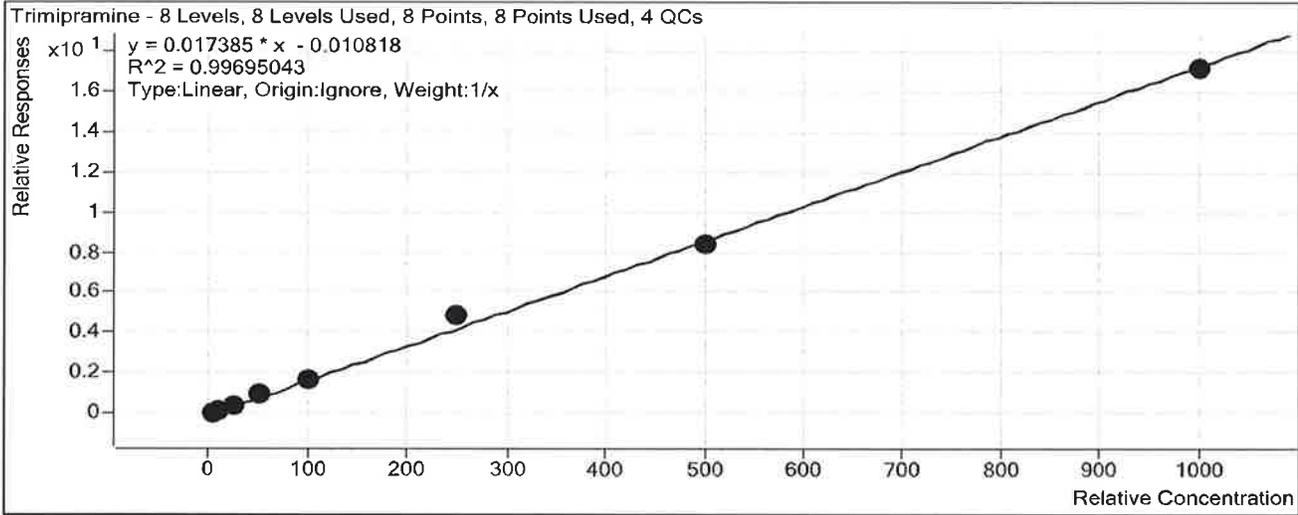
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	☑	5	5.1	102.0
b cal 2-10ng	2	☑	10	8.1	81.0
b QC 10 (QC1)	2	☑	10	9.6	96.2
b cal 3-25ng	3	☑	25	25.2	100.7
b cal 4-50ng	4	☑	50	57.4	114.8
b cal 5-100ng	5	☑	100	94.5	94.5
b QC 100 (QC2)	5	☑	100	98.3	98.3
b cal 6-250ng	6	☑	250	277.8	111.1
b QC 250 (QC 3)	6	☑	250	244.3	97.7
b cal 7-500ng	7	☑	500	486.8	97.4
b QC 1000 (QC4)	8	☑	1000	1000.5	100.1
b cal 8-1000ng	8	☑	1000	985.2	98.5

Batch Data Path C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ P2b 022018 SP.batch.bin

Last Calib Update 2/27/2018 8:55 AM **Analyst Name** ISP TOX

Target Compound *Clomipramine*
Internal Standard *Clomipramine-D3*

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

$y = 0.024286 * x - 0.032880$
$R^2 = 0.99931087$
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	☑	5	5.4	108.4
b cal 2-10ng	2	☑	10	10.2	102.3
b QC 10 (QC1)	2	☑	10	11.3	113.4
b cal 3-25ng	3	☑	25	24.5	97.9
b cal 4-50ng	4	☑	50	48.7	97.4
b cal 5-100ng	5	☑	100	96.9	96.9
b QC 100 (QC2)	5	☑	100	102.6	102.6
b cal 6-250ng	6	☑	250	243.4	97.4
b QC 250 (QC 3)	6	☑	250	245.8	98.3
b cal 7-500ng	7	☑	500	487.4	97.5
b QC 1000 (QC4)	8	☑	1000	992.2	99.2
b cal 8-1000ng	8	☑	1000	1023.4	102.3

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ P2b 022018 SP.batch.bin	
Last Calib Update	3/6/2018 3:42 PM	**Analyst Name** ISP TOX

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

Norpropoxyphene - 8 Levels, 6 Levels Used, 8 Points, 6 Points Used, 4 QCs

$y = 0.021078 * x - 0.124240$
$R^2 = 0.99482271$
Type:Linear, Origin:Ignore, Weight:1/x
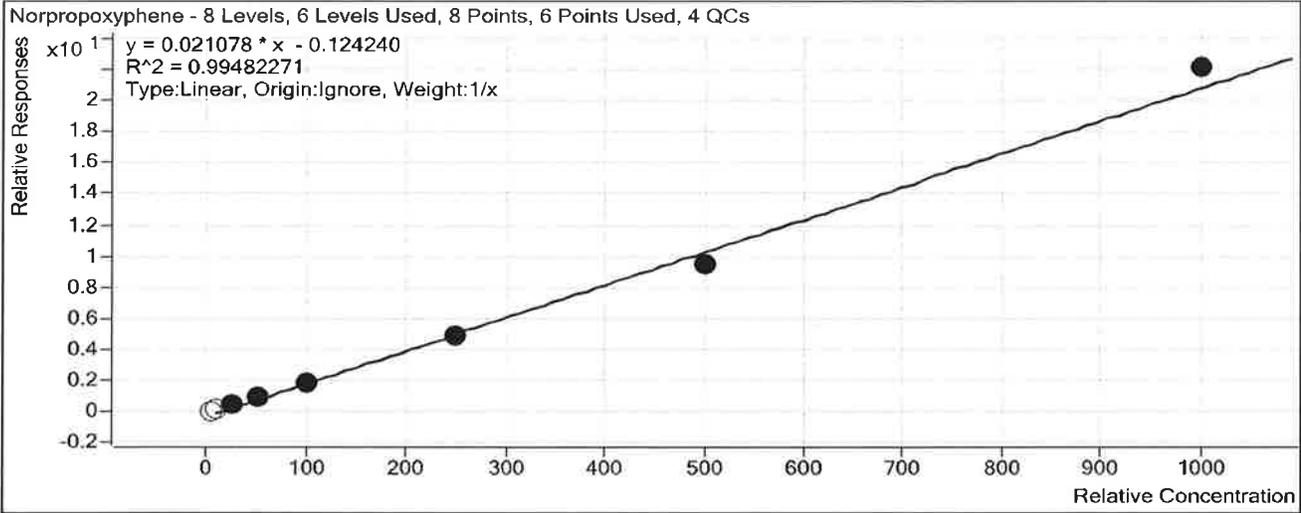
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	☐	5	10.7	214.7
b cal 2-10ng	2	☐	10	15.9	158.8
b QC 10 (QC1)	2	☑	10	13.6	136.4
b cal 3-25ng	3	☑	25	28.5	113.8
b cal 4-50ng	4	☑	50	48.4	96.7
b cal 5-100ng	5	☑	100	96.1	96.1
b QC 100 (QC2)	5	☑	100	99.3	99.3
b cal 6-250ng	6	☑	250	241.5	96.6
b QC 250 (QC 3)	6	☑	250	234.1	93.6
b cal 7-500ng	7	☑	500	456.8	91.4
b QC 1000 (QC4)	8	☑	1000	1054.9	105.5
b cal 8-1000ng	8	☑	1000	1053.7	105.4

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

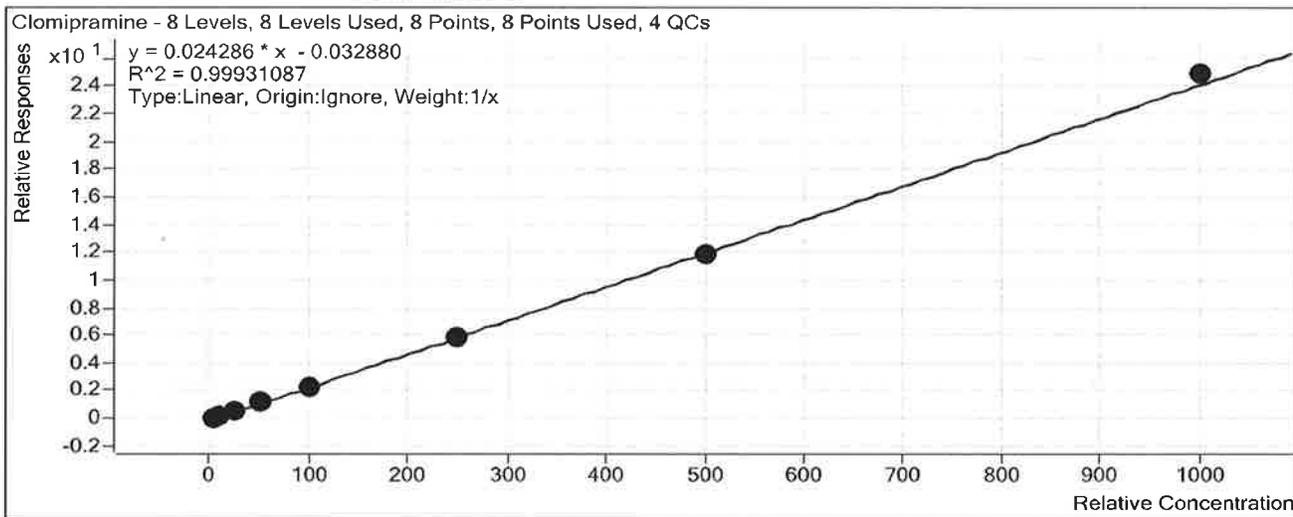|			
Batch Data Path	C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ P2b 022018 SP.b̠		
Analysis Time	2/27/2018 8:55 AM	**Analyst Name**	ISPUser
Report Time	2/27/2018 8:57 AM	**Reporter Name**	ISPUser
Last Calib Update	2/27/2018 8:55 AM	**Batch State**	Processed

Analysis Info

Acq Time	2018-02-22 09:18	**Data File**	b P2 cal 1-5ng reinject.d
Sample Type	Calibration	**Sample Name**	b cal 1-5ng
Dilution	1	**Acq Method**	MDQ Panel 2b 2-22-18.m
Position	P2-A5	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28-Panel 2
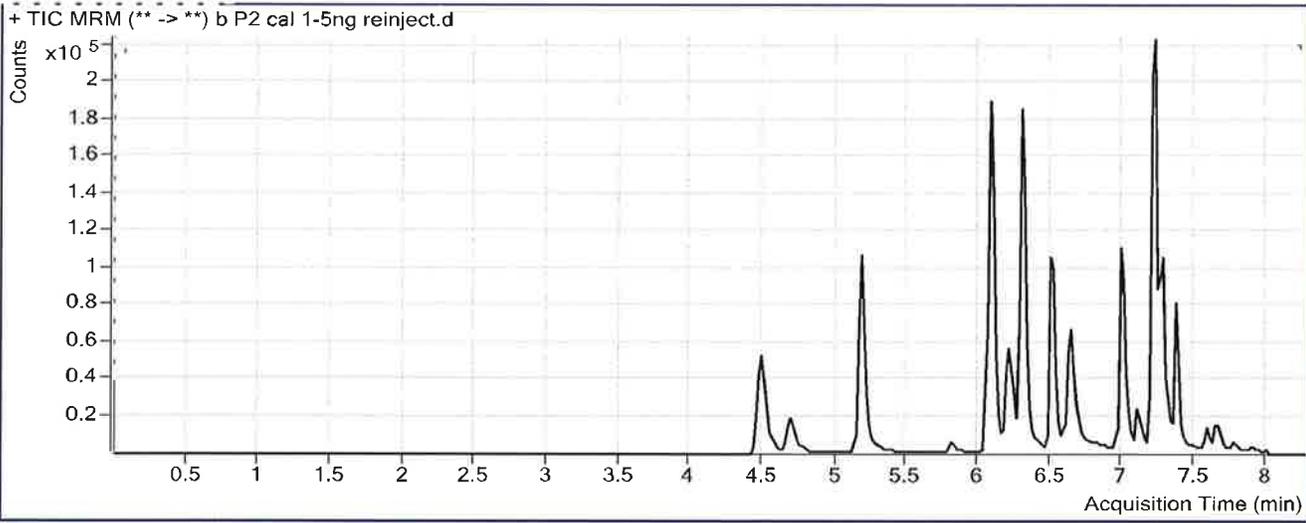
Sample Chromatogram

+ TIC MRM (** -> **) b P2 cal 1-5ng reinject.d

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
MDA	MDA-D5	4.518	41502	193339	0.2147	4.2012
MDMA	MDMA-D6	4.714	24993	40201	0.6217	4.8699
MDEA	MDEA-D6	5.188	28754	343858	0.0836	5.0165
Primidone	MDEA-D6	5.817	8460	343858	0.0246	4.7306
Tapentadol	Tapentadol-D3	6.083	65878	505955	0.1302	5.0836
Meperidine	Meperidine-D4	6.216	16020	169753	0.0944	5.4593
7-aminoflunitrazepam	7-aminoflunitrazepam-D7	6.312	27937	301962	0.0925	4.8296
Normeperidine	Normeperidine-D4	6.321	33134	193261	0.1714	5.4808
Pentazocine	Pentazocine-13C3	6.494	26389	297478	0.0887	4.9442
Phencyclidine	Phencyclidine-D5	6.664	21085	244448	0.0863	5.0632
Flurazepam	Propoxyphene-D11	6.972	27299	45180	0.6042	5.3741
Zaleplon	Zaleplon-D4	6.998	40585	194183	0.2090	5.8382
Phenytoin	Phenytoin-D10	7.027	4317	25728	0.1678	6.4587
Verapamil	Propoxyphene-D11	7.092	35276	45180	0.7808	4.8358
Amoxapine	Zaleplon-D4	7.178	5746	194183	0.0296	5.3791
Flunitrazepam	Flunitrazepam-D7	7.198	47270	106737	0.4429	3.9941
Imipramine	Imipramine-D3	7.206	19248	174912	0.1100	5.0289
Propoxyphene	Propoxyphene-D11	7.195	29034	45180	0.6426	4.2647
Desipramine	Desipramine-D3	7.228	21334	190346	0.1121	4.8355
Trimipramine	Trimipramine-D3	7.285	16459	211349	0.0779	5.1017

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clomipramine	Clomipramine-D3	7.359	14768	149620	0.0987	5.4180
Norpropoxyphene	Norpropoxyphene-D5	7.565	2581	25892	0.0997	4.4468

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 P2b 022018 SP.b
Analysis Time	2/27/2018 8:55 AM
Report Time	2/27/2018 8:57 AM
Last Calib Update	2/27/2018 8:55 AM

Analyst Name ISPUser
Reporter Name ISPUser
Batch State Processed

Analysis Info

Acq Time	2018-02-22 09:34	**Data File**	b P2 cal 2-10ng reinject.d
Sample Type	Calibration	**Sample Name**	b cal 2-10ng
Dilution	1	**Acq Method**	MDQ Panel 2b 2-22-18.m
Position	P2-B5	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28-Panel 2

Sample Chromatogram

+ TIC MRM (** -> **) b P2 cal 2-10ng reinject.d
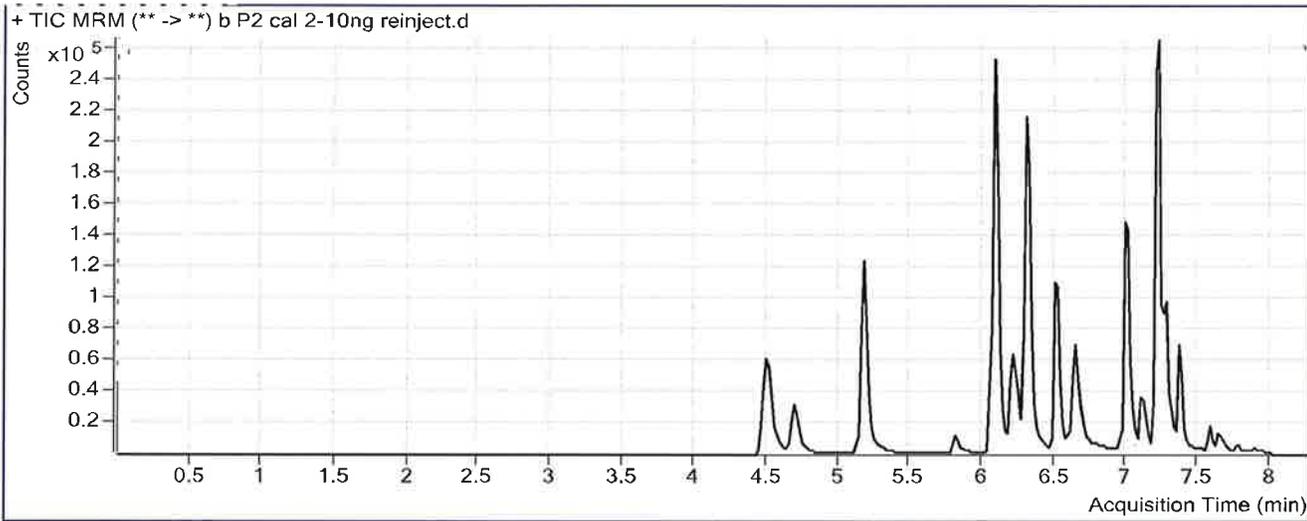
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
MDA	MDA-D5	4.518	86479	194748	0.4441	9.4858
MDMA	MDMA-D6	4.693	54600	42164	1.2949	9.8653
MDEA	MDEA-D6	5.188	62195	357241	0.1741	9.9235
Primidone	MDEA-D6	5.817	17835	357241	0.0499	10.7047
Tapentadol	Tapentadol-D3	6.083	159736	559526	0.2855	10.3820
Meperidine	Meperidine-D4	6.216	35174	167853	0.2096	10.5993
7-aminoflunitrazepam	7-aminoflunitrazepam-D7	6.312	69763	362223	0.1926	10.1820
Normeperidine	Normeperidine-D4	6.321	60625	180386	0.3361	10.0177
Pentazocine	Pentazocine-13C3	6.494	52985	268034	0.1977	10.2204
Phencyclidine	Phencydlidine-D5	6.642	39808	218713	0.1820	9.9163
Flurazepam	Propoxyphene-D11	6.972	45999	41379	1.1117	9.6011
Zaleplon	Zaleplon-D4	6.998	95756	214922	0.4455	10.6886
Phenytoin	Phenytoin-D10	7.027	7270	25849	0.2813	9.9324
Verapamil	Propoxyphene-D11	7.112	62120	41379	1.5013	10.2284
Amoxapine	Zaleplon-D4	7.178	9578	214922	0.0446	8.6420
Flunitrazepam	Flunitrazepam-D7	7.198	114286	113268	1.0090	10.3131
Imipramine	Imipramine-D3	7.206	30872	145911	0.2116	9.5585
Propoxyphene	Propoxyphene-D11	7.195	49825	41379	1.2041	8.9241
Desipramine	Desipramine-D3	7.228	38027	156316	0.2433	10.3983
Trimipramine	Trimipramine-D3	7.285	22110	169977	0.1301	8.1044

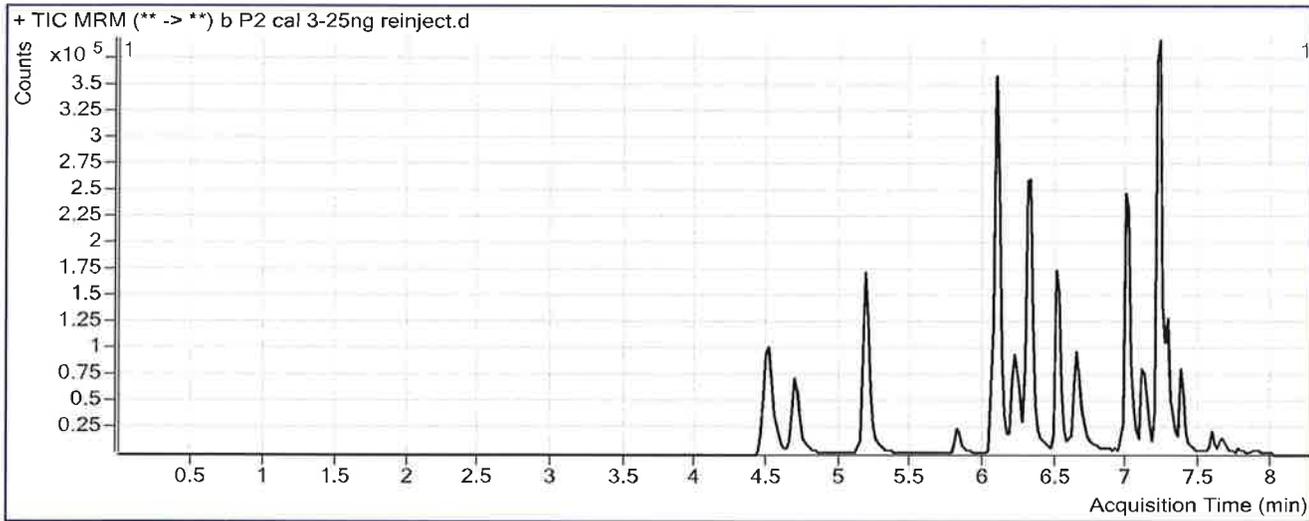| Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clomipramine	Clomipramine-D3	7.359	24342	112952	0.2155	10.2276
Norpropoxyphene	Norpropoxyphene-D5	7.565	6083	28648	0.2123	10.2684

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 P2b 022018 SP.b;		
Analysis Time	2/27/2018 8:55 AM	**Analyst Name**	ISPUser
Report Time	2/27/2018 8:57 AM	**Reporter Name**	ISPUser
Last Calib Update	2/27/2018 8:55 AM	**Batch State**	Processed

Analysis Info

Acq Time	2018-02-22 09:49	**Data File**	b P2 cal 3-25ng reinject.d
Sample Type	Calibration	**Sample Name**	b cal 3-25ng
Dilution	1	**Acq Method**	MDQ Panel 2b 2-22-18.m
Position	P2-C5	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28-Panel 2

Sample Chromatogram

+ TIC MRM (** -> **) b P2 cal 3-25ng reinject.d

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
MDA	MDA-D5	4.518	231907	192556	1.2044	27.0011
MDMA	MDMA-D6	4.693	149850	42601	3.5175	26.3563
MDEA	MDEA-D6	5.168	170135	356436	0.4773	26.3689
Primidone	MDEA-D6	5.817	42552	356436	0.1194	27.0929
Tapentadol	Tapentadol-D3	6.083	403004	557273	0.7232	25.3166
Meperidine	Meperidine-D4	6.216	87580	170145	0.5147	24.2185
7-aminoflunitrazepam	7-aminoflunitrazepam-D7	6.312	160409	309320	0.5186	27.6162
Normeperidine	Normeperidine-D4	6.321	166251	179186	0.9278	26.3237
Pentazocine	Pentazocine-13C3	6.494	140340	273377	0.5134	25.5046
Phencyclidine	Phencyclidine-D5	6.642	105885	219149	0.4832	25.1795
Flurazepam	Propoxyphene-D11	6.972	121363	39569	3.0671	25.8905
Zaleplon	Zaleplon-D4	6.998	215883	190177	1.1352	24.8303
Phenytoin	Phenytoin-D10	7.027	17649	23601	0.7478	24.2124
Verapamil	Propoxyphene-D11	7.092	149402	39569	3.7757	27.2526
Amoxapine	Zaleplon-D4	7.178	21284	190177	0.1119	23.3168
Flunitrazepam	Flunitrazepam-D7	7.198	255267	98384	2.5946	28.0120
Imipramine	Imipramine-D3	7.206	74657	129204	0.5778	25.8964
Propoxyphene	Propoxyphene-D11	7.195	136252	39569	3.4434	27.5056
Desipramine	Desipramine-D3	7.228	84930	131585	0.6454	27.4514
Trimipramine	Trimipramine-D3	7.285	60184	140997	0.4269	25.1747

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clomipramine	Clomipramine-D3	7.359	50115	89232	0.5616	24.4795
Norpropoxyphene	Norpropoxyphene-D5	7.565	13118	26905	0.4876	24.4909

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 P2b 022018 SP.b
Analysis Time	2/27/2018 8:55 AM	**Analyst Name**	ISPUser
Report Time	2/27/2018 8:57 AM	**Reporter Name**	ISPUser
Last Calib Update	2/27/2018 8:55 AM	**Batch State**	Processed

Analysis Info

Acq Time	2018-02-22 10:05	**Data File**	b P2 cal 4-50ng reinject.d
Sample Type	Calibration	**Sample Name**	b cal 4-50ng
Dilution	1	**Acq Method**	MDQ Panel 2b 2-22-18.m
Position	P2-D5	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28-Panel 2

Sample Chromatogram

+ TIC MRM (** -> **) b P2 cal 4-50ng reinject.d
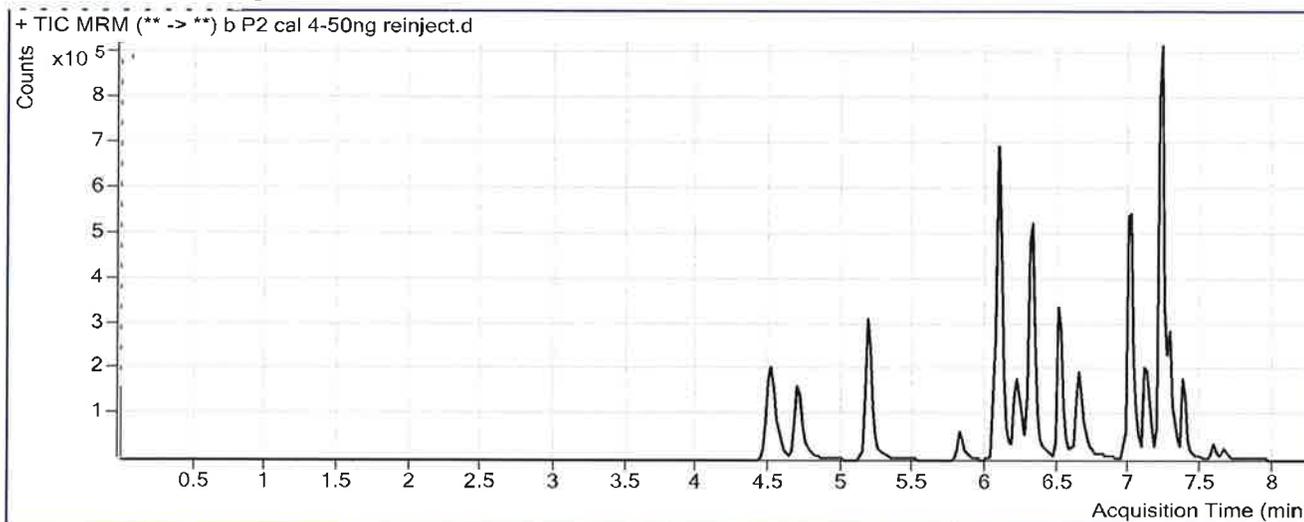
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
MDA	MDA-D5	4.518	559449	242471	2.3073	52.4094
MDMA	MDMA-D6	4.693	374522	56535	6.6246	49.4106
MDEA	MDEA-D6	5.168	410033	456391	0.8984	49.2077
Primidone	MDEA-D6	5.817	104657	456391	0.2293	53.0305
Tapentadol	Tapentadol-D3	6.083	1035376	737120	1.4046	48.5688
Meperidine	Meperidine-D4	6.216	217487	221429	0.9822	45.0793
7-aminoflunitrazepam	7-aminoflunitrazepam-D7	6.312	429622	443413	0.9689	51.6993
Normeperidine	Normeperidine-D4	6.321	419781	246367	1.7039	47.7098
Pentazocine	Pentazocine-13C3	6.494	356931	352854	1.0116	49.6258
Phencyclidine	Phencydlidine-D5	6.642	282281	297008	0.9504	48.8608
Flurazepam	Propoxyphene-D11	6.972	325890	58097	5.6095	47.0683
Zaleplon	Zaleplon-D4	6.998	555040	256533	2.1636	45.9199
Phenytoin	Phenytoin-D10	7.027	46362	36108	1.2840	40.6229
Verapamil	Propoxyphene-D11	7.112	409778	58097	7.0534	51.7851
Amoxapine	Zaleplon-D4	7.178	61951	256533	0.2415	51.5483
Flunitrazepam	Flunitrazepam-D7	7.198	636747	130272	4.8878	53.6091
Imipramine	Imipramine-D3	7.206	213805	192802	1.1089	49.5888
Propoxyphene	Propoxyphene-D11	7.215	359297	58097	6.1845	50.2510
Desipramine	Desipramine-D3	7.248	221332	204575	1.0819	45.9595
Trimipramine	Trimipramine-D3	7.285	181401	183801	0.9869	57.3913

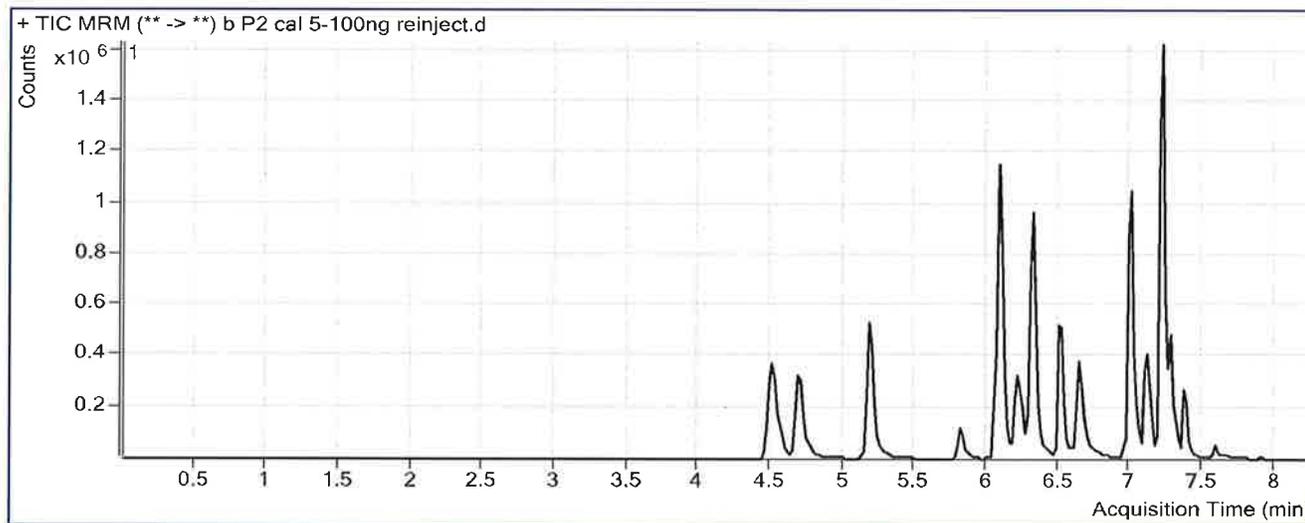| Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clomipramine	Clomipramine-D3	7.359	153318	133401	1.1493	48.6771
Norpropoxyphene	Norpropoxyphene-D5	7.565	32688	36472	0.8963	45.6105

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 P2b 022018 SP.b
Analysis Time	2/27/2018 8:55 AM	**Analyst Name**	ISPUser
Report Time	2/27/2018 8:57 AM	**Reporter Name**	ISPUser
Last Calib Update	2/27/2018 8:55 AM	**Batch State**	Processed

Analysis Info

Acq Time	2018-02-22 10:20	**Data File**	b P2 cal 5-100ng reinject.d
Sample Type	Calibration	**Sample Name**	b cal 5-100ng
Dilution	1	**Acq Method**	MDQ Panel 2b 2-22-18.m
Position	P2-E5	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28-Panel 2

Sample Chromatogram

+ TIC MRM (** -> **) b P2 cal 5-100ng reinject.d

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
MDA	MDA-D5	4.518	1123721	246214	4.5640	104.3977
MDMA	MDMA-D6	4.714	786563	59808	13.1514	97.8380
MDEA	MDEA-D6	5.168	848714	495776	1.7119	93.3264
Primidone	MDEA-D6	5.817	205380	495776	0.4143	96.6668
Tapentadol	Tapentadol-D3	6.083	2097945	738933	2.8392	97.5174
Meperidine	Meperidine-D4	6.216	505834	241819	2.0918	94.5958
7-aminoflunitrazepam	7-aminoflunitrazepam-D7	6.312	959977	499695	1.9211	102.6254
Normeperidine	Normeperidine-D4	6.321	893405	263381	3.3921	94.2305
Pentazocine	Pentazocine-13C3	6.494	707571	368851	1.9183	93.5285
Phencyclidine	Phencyclidine-D5	6.642	635283	335234	1.8950	96.7365
Flurazepam	Propoxyphene-D11	6.972	669220	55823	11.9882	100.2042
Zaleplon	Zaleplon-D4	6.998	1096258	245689	4.4620	93.0505
Phenytoin	Phenytoin-D10	7.027	93783	34302	2.7341	85.0076
Verapamil	Propoxyphene-D11	7.112	763073	55823	13.6695	101.3054
Amoxapine	Zaleplon-D4	7.178	116358	245689	0.4736	102.1192
Flunitrazepam	Flunitrazepam-D7	7.219	1195540	135969	8.7927	97.1957
Imipramine	Imipramine-D3	7.227	406810	182888	2.2244	99.3475
Propoxyphene	Propoxyphene-D11	7.215	732200	55823	13.1164	107.7724
Desipramine	Desipramine-D3	7.248	441288	180729	2.4417	103.6200
Trimipramine	Trimipramine-D3	7.285	340267	208578	1.6314	94.4581

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clomipramine	Clomipramine-D3	7.359	273213	117754	2.3202	96.8903
Norpropoxyphene	Norpropoxyphene-D5	7.565	66375	35016	1.8956	97.2513

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 P2b 022018 SP.b:
Analysis Time   2/27/2018 8:55 AM   **Analyst Name**   ISPUser
Report Time   2/27/2018 8:57 AM   **Reporter Name**   ISPUser
Last Calib Update   2/27/2018 8:55 AM   **Batch State**   Processed

Analysis Info

Acq Time   2018-02-22 10:36   **Data File**   b P2 cal 6-250ng reinject.d
Sample Type   Calibration   **Sample Name**   b cal 6-250ng
Dilution   1   **Acq Method**   MDQ Panel 2b 2-22-18.m
Position   P2-F5   **Sample Info**
Inj Vol   -1   **Comment**   AM 28-Panel 2
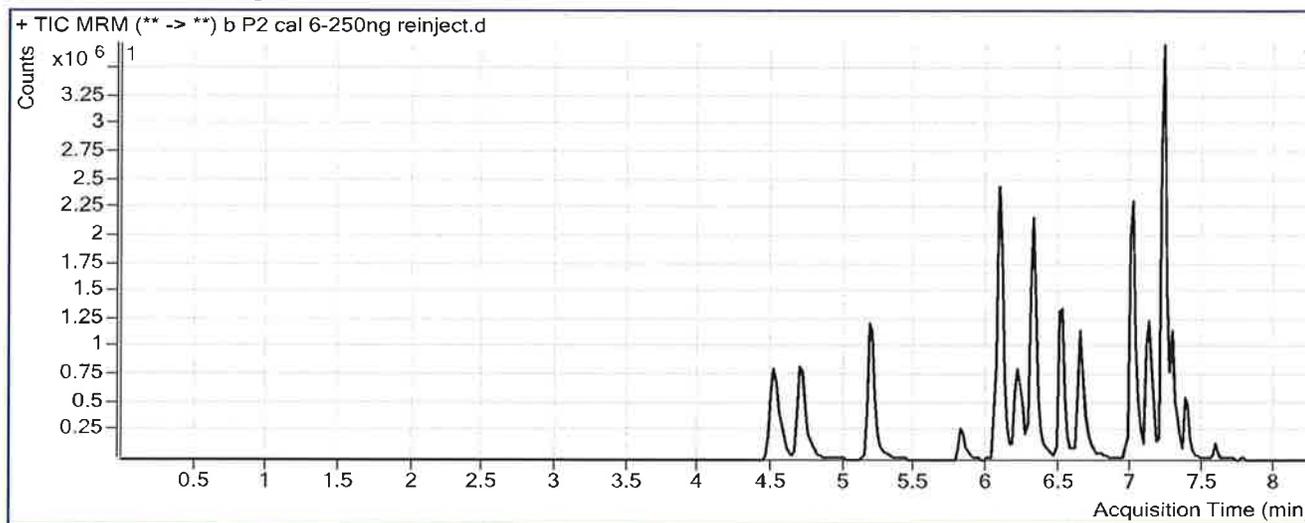
Sample Chromatogram

+ TIC MRM (** -> **) b P2 cal 6-250ng reinject.d

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
MDA	MDA-D5	4.518	2657679	230387	11.5357	265.0059
MDMA	MDMA-D6	4.693	2090408	60438	34.5877	256.8911
MDEA	MDEA-D6	5.188	2450810	515813	4.7514	258.1729
Primidone	MDEA-D6	5.817	494369	515813	0.9584	225.0583
Tapentadol	Tapentadol-D3	6.083	5240144	722932	7.2485	247.9703
Meperidine	Meperidine-D4	6.216	1432942	257915	5.5559	249.1845
7-aminoflunitrazepam	7-aminoflunitrazepam-D7	6.312	2310037	483507	4.7777	255.3962
Normeperidine	Normeperidine-D4	6.321	2427507	281325	8.6288	238.5388
Pentazocine	Pentazocine-13C3	6.494	2123705	417879	5.0821	246.7106
Phencyclidine	Phencydlidine-D5	6.642	1971563	383533	5.1405	261.2242
Flurazepam	Propoxyphene-D11	6.972	2043910	69413	29.4457	245.6270
Zaleplon	Zaleplon-D4	6.998	2397141	214814	11.1591	230.3836
Phenytoin	Phenytoin-D10	7.048	227214	25729	8.8309	271.6222
Verapamil	Propoxyphene-D11	7.112	2288953	69413	32.9759	245.8107
Amoxapine	Zaleplon-D4	7.178	263184	214814	1.2252	265.8706
Flunitrazepam	Flunitrazepam-D7	7.219	2297336	101208	22.6991	252.4190
Imipramine	Imipramine-D3	7.227	1088901	190159	5.7263	255.5646
Propoxyphene	Propoxyphene-D11	7.215	2232878	69413	32.1681	265.8625
Desipramine	Desipramine-D3	7.248	1088861	184982	5.8863	249.6832
Trimipramine	Trimipramine-D3	7.285	951547	197489	4.8182	277.7672

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clomipramine	Clomipramine-D3	7.359	674547	114740	5.8789	243.4232
Norpropoxyphene	Norpropoxyphene-D5	7.565	208788	42211	4.9463	254.9029

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 P2b 022018 SP.bi
Analysis Time	2/27/2018 8:55 AM **Analyst Name** ISPUser
Report Time	2/27/2018 8:57 AM **Reporter Name** ISPUser
Last Calib Update	2/27/2018 8:55 AM **Batch State** Processed

Analysis Info

Acq Time	2018-02-22 10:52	**Data File**	b P2 cal 7-500ng reinject.d
Sample Type	Calibration	**Sample Name**	b cal 7-500ng
Dilution	1	**Acq Method**	MDQ Panel 2b 2-22-18.m
Position	P2-G5	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28-Panel 2
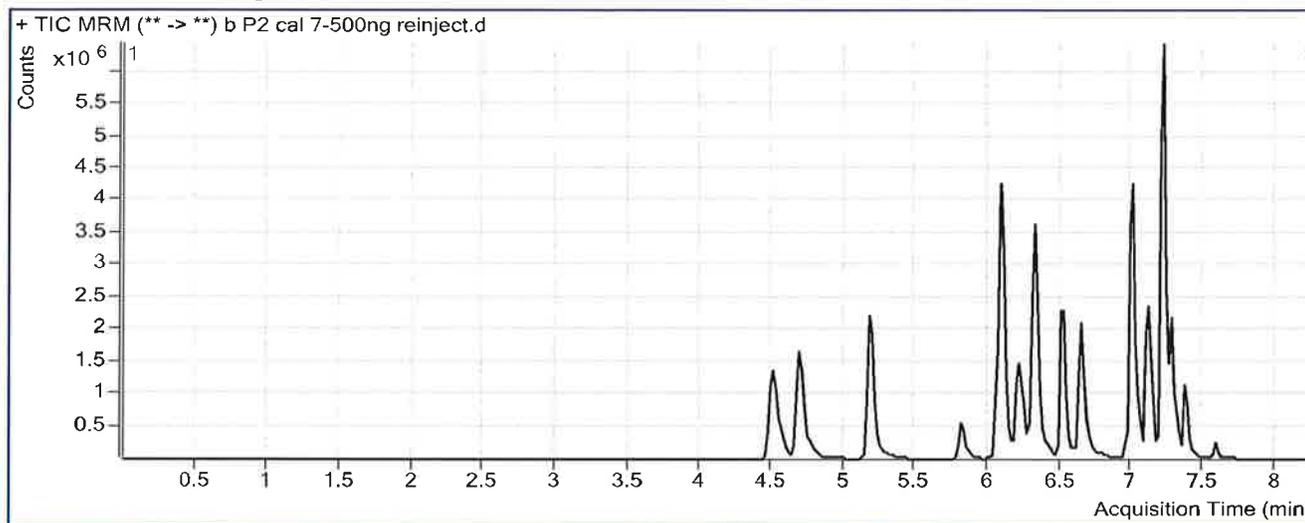
Sample Chromatogram

+ TIC MRM (** -> **) b P2 cal 7-500ng reinject.d

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
MDA	MDA-D5	4.518	4587752	210453	21.7994	501.4521
MDMA	MDMA-D6	4.693	4020353	60136	66.8546	496.3045
MDEA	MDEA-D6	5.168	4578148	495589	9.2378	501.4968
Primidone	MDEA-D6	5.817	976136	495589	1.9696	463.6481
Tapentadol	Tapentadol-D3	6.083	9759747	682143	14.3075	488.8359
Meperidine	Meperidine-D4	6.216	2695854	229994	11.7214	524.3277
7-aminoflunitrazepam	7-aminoflunitrazepam-D7	6.312	4720034	530905	8.8905	475.3565
Normeperidine	Normeperidine-D4	6.321	4102536	235518	17.4192	480.7722
Pentazocine	Pentazocine-13C3	6.494	3875223	369708	10.4818	508.1505
Phencyclidine	Phencyclidine-D5	6.642	3738968	374985	9.9710	506.0423
Flurazepam	Propoxyphene-D11	6.972	3858786	64682	59.6582	497.3007
Zaleplon	Zaleplon-D4	6.998	4504140	196927	22.8721	470.5721
Phenytoin	Phenytoin-D10	7.048	454238	28143	16.1403	495.3477
Verapamil	Propoxyphene-D11	7.112	4384663	64682	67.7884	506.3761
Amoxapine	Zaleplon-D4	7.178	458154	196927	2.3265	505.8313
Flunitrazepam	Flunitrazepam-D7	7.219	3575054	79482	44.9793	501.1118
Imipramine	Imipramine-D3	7.227	2163300	193060	11.2053	499.9813
Propoxyphene	Propoxyphene-D11	7.215	4161419	64682	64.3370	532.7998
Desipramine	Desipramine-D3	7.248	2137172	182256	11.7262	497.3139
Trimipramine	Trimipramine-D3	7.285	1929735	228330	8.4515	486.7534

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clomipramine	Clomipramine-D3	7.359	1363286	115483	11.8051	487.4405
Norpropoxyphene	Norpropoxyphene-D5	7.565	414321	43045	9.6253	496.6980

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 P2b 022018 SP.b

Analysis Time	2/27/2018 8:55 AM	**Analyst Name**	ISPUser
Report Time	2/27/2018 8:58 AM	**Reporter Name**	ISPUser
Last Calib Update	2/27/2018 8:55 AM	**Batch State**	Processed

Analysis Info

Acq Time	2018-02-22 16:18	**Data File**	b P2 cal 8-1000ng reinject-4.d
Sample Type	Calibration	**Sample Name**	b cal 8-1000ng
Dilution	1	**Acq Method**	MDQ Panel 2b 2-22-18.m
Position	P2-H5	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28-Panel 2

Sample Chromatogram

+ TIC MRM (** -> **) b P2 cal 8-1000ng reinject-4.d
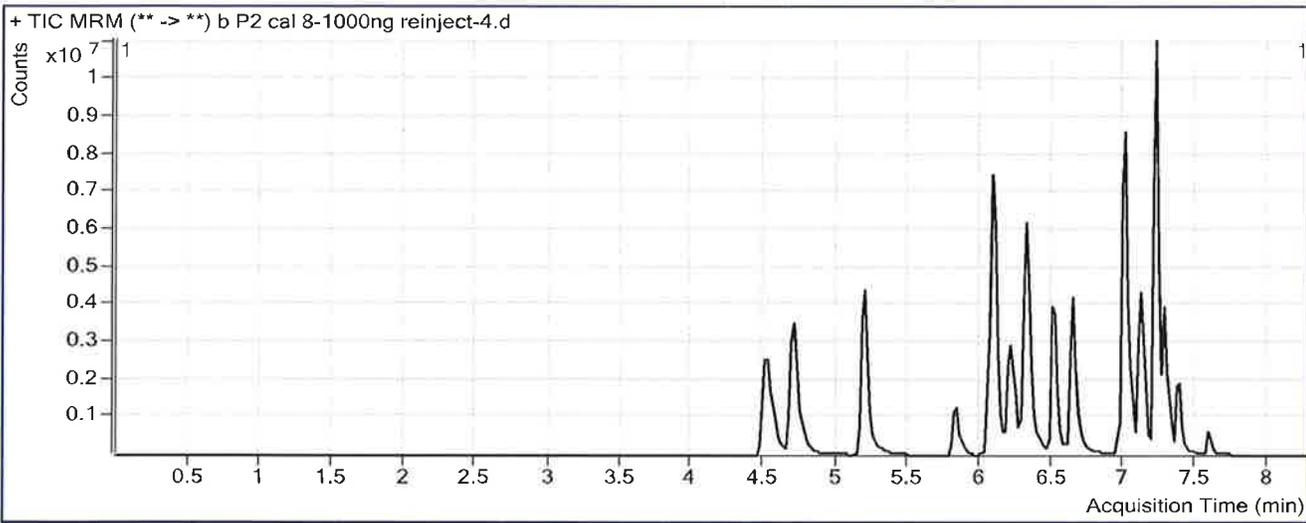
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
MDA	MDA-D5	4.538	8822656	208078	42.4006	976.0468
MDMA	MDMA-D6	4.714	8817052	65538	134.5330	998.4642
MDEA	MDEA-D6	5.188	9468996	515615	18.3645	996.4872
Primidone	MDEA-D6	5.837	2285783	515615	4.4331	1044.8851
Tapentadol	Tapentadol-D3	6.083	19139866	642999	29.7666	1016.3254
Meperidine	Meperidine-D4	6.216	5477523	248090	22.0788	986.5357
7-aminoflunitrazepam	7-aminoflunitrazepam-D7	6.312	10357012	630289	16.4322	878.6901
Normeperidine	Normeperidine-D4	6.301	6573422	174819	37.6013	1036.9264
Pentazocine	Pentazocine-13C3	6.494	6784448	316659	21.4251	1037.9937
Phencyclidine	Phencyclidine-D5	6.642	7210991	370550	19.4602	986.9771
Flurazepam	Propoxyphene-D11	6.972	7721523	63773	121.0779	1008.9341
Zaleplon	Zaleplon-D4	6.998	10307295	199934	51.5535	1058.7169
Phenytoin	Phenytoin-D10	7.048	1105534	33654	32.8498	1006.7960
Verapamil	Propoxyphene-D11	7.112	7465060	63773	117.0564	875.1381
Amoxapine	Zaleplon-D4	7.178	694961	199934	3.4759	756.2688
Flunitrazepam	Flunitrazepam-D7	7.219	5776247	64845	89.0782	993.3452
Imipramine	Imipramine-D3	7.227	3740856	167730	22.3028	995.0340
Propoxyphene	Propoxyphene-D11	7.215	7252599	63773	113.7249	942.6198
Desipramine	Desipramine-D3	7.248	3334700	149445	22.3139	946.2702
Trimipramine	Trimipramine-D3	7.285	3409009	199147	17.1180	985.2493

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clomipramine	Clomipramine-D3	7.380	2719385	109553	24.8225	1023.4438
Norpropoxyphene	Norpropoxyphene-D5	7.585	1229107	57926	21.2184	1095.7910