reviewed 12/22/17

12/21/2017

Worklist: 2089

LAB_CASE	ITEM	TASK_ID	DESCRIPTION
C2017-0502	1	102768	AM 28 Blood Multi-Drug Quant
C2017-1110	1	102771	AM 28 Blood Multi-Drug Quant
C2017-2481	1	103267	AM 28 Blood Multi-Drug Quant
C2017-2531	2	103266	AM 28 Blood Multi-Drug Quant
C2017-2535	1	103265	AM 28 Blood Multi-Drug Quant
M2017-1058	1	102767	AM 28 Blood Multi-Drug Quant
M2017-4285	1	102192	AM 28 Blood Multi-Drug Quant
P2017-1829	4	102772	AM 28 Blood Multi-Drug Quant
P2017-2254	1	102770	AM 28 Blood Multi-Drug Quant

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

Extraction Date: 12-19-17 Analyst: Anne Nord
Plate lot#: 0507680 Plate Expiration: ~~5/31/2018~~ 6/5/2018 amn

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

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

Blank Blood Lot: 321632-1 **Column**: Agilent 120 EC-C18 (2.1x 100-4um)
LCMS-QQQ ID: 62340

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: ~~2609543~~** 390993 amn in wells of analytical (standards) plate.
- ☑ 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes. *Shaker ID: 66759*
- ☑ 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: 66792
- ☑ 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: 66819*
- ☑ 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: 121917 mdq P1 and P2a Batch Name: 121917 mdq P2a 121917 mdq P2b
- ☑ 2. Make necessary changes to integration limits
- ☑ 3. Integration linear and r^2 values ≥0.98 for each analyte.
- ☑ 4. For unknown samples and controls: response ratio within 20% of average of controls and standards, RT within +/- 5%, S/N for primary and secondary transitions >10.
- ☑ 5. Did all QCs pass for each analyte? Y / N see comments
- ☑ 6. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

COMMENTS: Protriptyline not evaluated,
100 level calibrator did not inject used 100 ac ~~for~~ for 100 level calibrator
B* Curve ranges: Benzoylecgonine 5-500 ondansetron 5-250
Chlordiazepoxide 5-500 Flurazepam 5-100
Metoprolol 5-500 Phenytoin 5-500
Mirtazapine 5-500

Toxicology AM method 28 panel 2 external prep information
working solution 10000 ng/ml in meoh mirtazapine, amitriptyline, meperidine
Stock solution 1mg/ml 100 ul each in 9700 ul meOH lot (Fisher 168427)
Ppd 8/7/17 Exp: 2/7/18 lot 2718 by AMN

Drug	lot	expiration
mirtazapine	fe04201503	4/1/2020
amitriptyline	fn07081401	9/1/2019
meperidine	FE1191502	2/1/2020

AM 28 control 50 ul working solution lot (2718) in 9950 ul blood lot (321632)
ppd 8/7/17 Exp 11/7/17 by AMN Concentration 50 ng/ml each
ppd 12/5/17 Exp 2/7/18 by AMN Concentration 50 ng/ml each

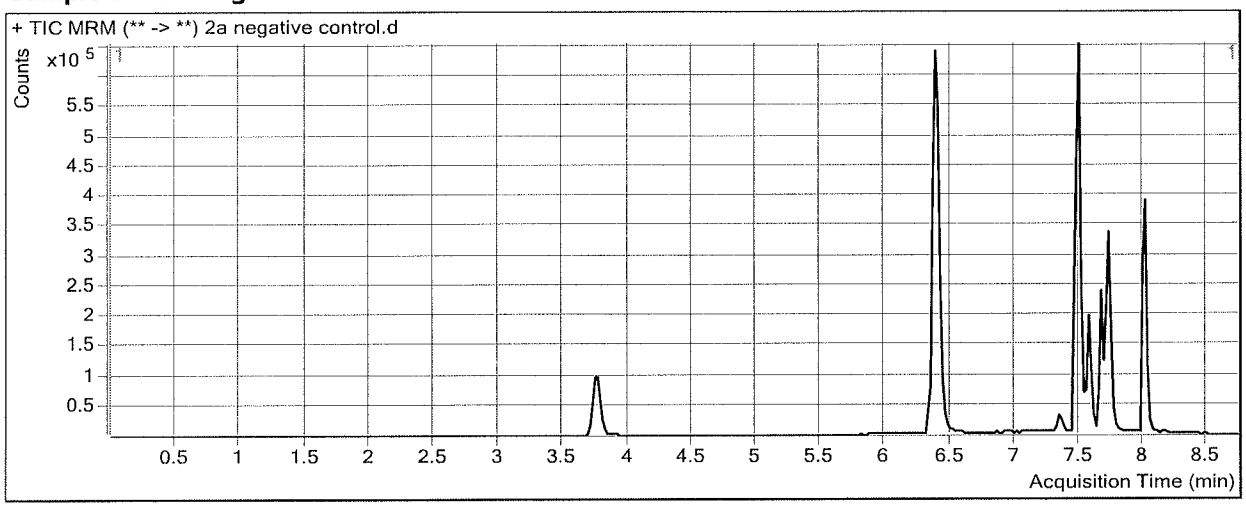
ISP FORENSICS - Cd'A Instrument # 62340
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\121917 mdq p1 and p2\QuantResults\121917 mdq p2a.batch.bin		
Analysis Time	12/21/2017 10:52 AM	**Analyst Name**	ISP Tox
Report Time	12/21/2017 10:55 AM	**Reporter Name**	ISP Tox
Last Calib Update	12/21/2017 10:52 AM	**Batch State**	Processed

Analysis Info

Acq Time	2017-12-20 08:52	**Data File**	2a negative control.d
Sample Type	Sample	**Sample Name**	2a negative control
Dilution	1	**Acq Method**	MDQ Panel 2a 3-12-17-3.m
Position	P1-E6	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28 Panel 2

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Nortriptyline	Nortriptyline-D3	7.571	1397	30898	0.0452	2.7800 ∠ 5
alpha-hydroxymidazolam	alpha-hydroxymidazolam-D4	7.659	7356	528188	0.0139	0.9831 ∠ 5

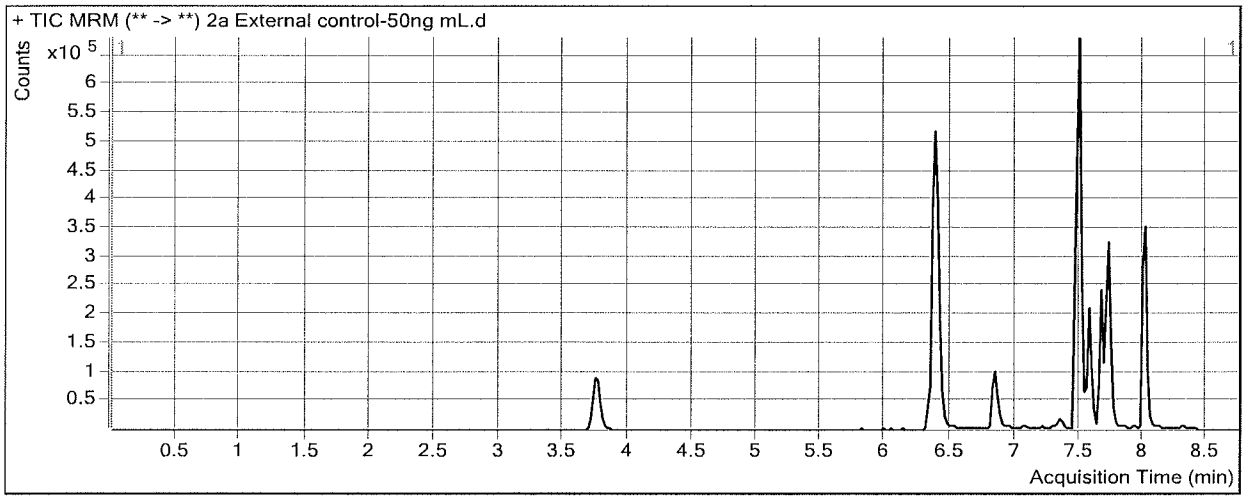
ISP FORENSICS - Cd'A Instrument # 62340
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\121917 mdq p1 and p2\QuantResults\121917 mdq p2a.batch.bin		
Analysis Time	12/21/2017 10:52 AM	**Analyst Name**	ISP Tox
Report Time	12/21/2017 10:55 AM	**Reporter Name**	ISP Tox
Last Calib Update	12/21/2017 10:52 AM	**Batch State**	Processed

Analysis Info

Acq Time	2017-12-20 09:18	**Data File**	2a External control-50ng mL.d
Sample Type	Sample	**Sample Name**	2a External control-50ng mL
Dilution	1	**Acq Method**	MDQ Panel 2a 3-12-17-3.m
Position	P1-F6	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28 mirtazapine 50ng, amitriptyline 50 ng

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Mirtazapine	Methylphenidate-D4	6.845	193405	680838	0.2841	31.0084
Maprotiline	Amitriptyline-D3	7.567	4378	16831	0.2602	16.6816 - ratio out negative
Amitriptyline	Amitriptyline-D3	7.567	28662	16831	1.7030	33.7366
Nortriptyline	Nortriptyline-D3	7.571	511	20298	0.0252	1.9638 < 5

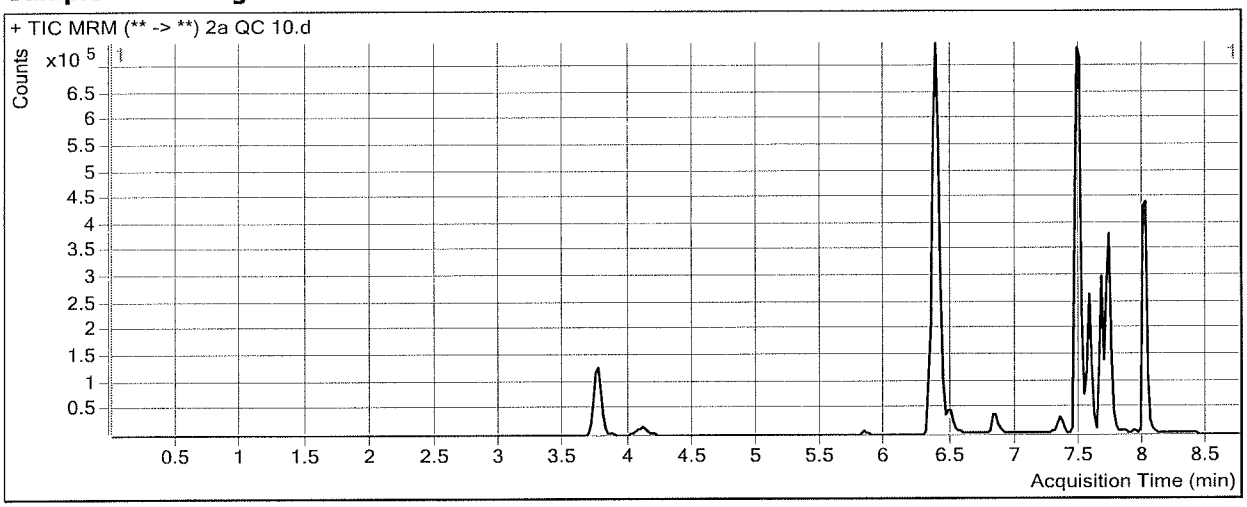
ISP FORENSICS - Cd'A Instrument # 62340
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\121917 mdq p1 and p2\QuantResults\121917 mdq p2a.batch.bin		
Analysis Time	12/21/2017 10:52 AM	**Analyst Name**	ISP Tox
Report Time	12/21/2017 10:55 AM	**Reporter Name**	ISP Tox
Last Calib Update	12/21/2017 10:52 AM	**Batch State**	Processed

Analysis Info

Acq Time	2017-12-20 09:43	**Data File**	2a QC 10.d
Sample Type	QC	**Sample Name**	2a QC 10
Dilution	1	**Acq Method**	MDQ Panel 2a 3-12-17-3.m
Position	P1-A6	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28 Panel 2

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Pseudoephedrine	Pseudoephedrine-D3	3.770	97974	477671	0.2051	10.2529
Levamisole	Cocaine-D3	4.104	51409	596649	0.0862	10.9743
Benzoylecgonine	Benzoylecgonine-D8	5.831	8210	7524	1.0911	11.2116
Zopiclone	Zopiclone-D4	6.388	20072	99300	0.2021	9.7981
Cocaine	Cocaine-D3	6.352	140224	596649	0.2350	9.9971
Methylphenidate	Methylphenidate-D4	6.405	205415	954922	0.2151	9.9554
Metoprolol	Methylphenidate-D4	6.421	32993	954922	0.0346	10.2745
Ondansetron	Zopiclone-D4	6.496	73934	99300	0.7446	11.1056
Mirtazapine	Methylphenidate-D4	6.845	76531	954922	0.0801	10.4902
Mitragynine	Doxepin-D3	7.272	3943	73020	0.0540	10.4954
Doxepin	Doxepin-D3	7.344	13578	73020	0.1859	10.3144
Carbamazepine	Carbamazepine-13C6	7.493	329939	1762175	0.1872	10.0189
Maprotiline	Amitriptyline-D3	7.547	4422	24850	0.1780	10.9419
Amitriptyline	Amitriptyline-D3	7.567	13703	24850	0.5514	10.0324
Estazolam	Estazolam-D5	7.563	79437	375156	0.2117	10.6290
Nortriptyline	Nortriptyline-D3	7.571	5145	24390	0.2110	9.5394
alpha-hydroxymidazolam	alpha-hydroxymidazolam-D4	7.659	89669	540604	0.1659	10.6533
Chlordiazepoxide	Chlordiazepoxide-D5	7.703	45460	457000	0.0995	10.5796
Midazolam	Midazolam-D4	7.721	24862	381640	0.0651	9.9201
Phenazepam	Phenazepam-D4	7.719	6577	26515	0.2481	8.5702
Prazepam	Prazepam-D5	8.004	209214	957544	0.2185	10.1995

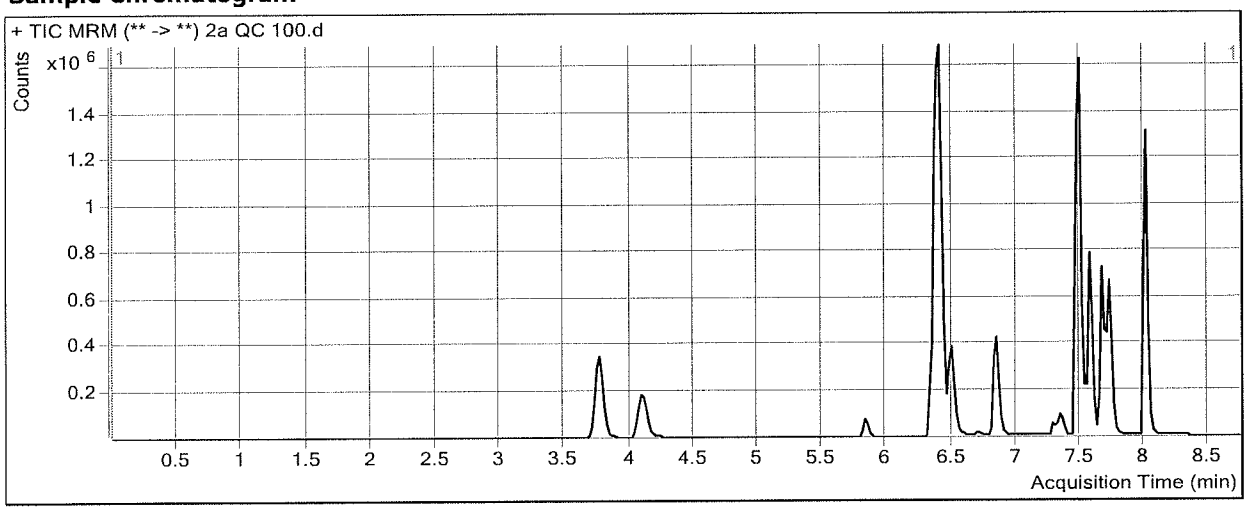
ISP FORENSICS - Cd'A Instrument # 62340
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\121917 mdq p1 and p2\QuantResults\121917 mdq p2a.batch.bin		
Analysis Time	12/21/2017 10:52 AM	**Analyst Name**	ISP Tox
Report Time	12/21/2017 10:55 AM	**Reporter Name**	ISP Tox
Last Calib Update	12/21/2017 10:52 AM	**Batch State**	Processed

Analysis Info

Acq Time	2017-12-20 13:19	**Data File**	2a QC 100.d
Sample Type	Calibration	**Sample Name**	2a QC 100
Dilution	1	**Acq Method**	MDQ Panel 2a 3-12-17-3.m
Position	P1-B6	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28 Panel 2

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Pseudoephedrine	Pseudoephedrine-D3	3.770	993530	480164	2.0691	100.7316
Levamisole	Cocaine-D3	4.084	541586	575388	0.9413	95.1186
Benzoylecgonine	Benzoylecgonine-D8	5.831	107840	8039	13.4141	118.3068
Zopiclone	Zopiclone-D4	6.388	158480	74267	2.1339	102.1392
Cocaine	Cocaine-D3	6.352	1385142	575388	2.4073	103.2330
Methylphenidate	Methylphenidate-D4	6.405	2063416	958818	2.1520	98.8545
Metoprolol	Methylphenidate-D4	6.421	331346	958818	0.3456	109.1428
Ondansetron	Zopiclone-D4	6.496	754658	74267	10.1614	113.0956
Mirtazapine	Methylphenidate-D4	6.845	834699	958818	0.8705	90.0179
Mitragynine	Doxepin-D3	7.272	40965	73461	0.5576	95.8049
Doxepin	Doxepin-D3	7.344	134130	73461	1.8259	98.7124
Carbamazepine	Carbamazepine-13C6	7.493	2787106	1524226	1.8285	99.1910
~~Protriptyline~~	~~Protriptyline-D3~~	~~7.531~~	~~67598~~	~~34658~~	~~1.9504~~	~~93.4506~~ Not evaluated
Maprotiline	Amitriptyline-D3	7.547	42012	27735	1.5148	104.3019
Amitriptyline	Amitriptyline-D3	7.567	138825	27735	5.0054	101.7184
Estazolam	Estazolam-D5	7.563	665422	310306	2.1444	92.1486
Nortriptyline	Nortriptyline-D3	7.571	68767	26859	2.5603	105.3476
alpha-hydroxymidazolam	alpha-hydroxymidazolam-D4	7.659	791086	468191	1.6897	107.6338
Chlordiazepoxide	Chlordiazepoxide-D5	7.703	313733	368959	0.8503	106.2799
Midazolam	Midazolam-D4	7.721	249400	359359	0.6940	98.4015
Phenazepam	Phenazepam-D4	7.739	43373	16726	2.5931	100.8255
Prazepam	Prazepam-D5	8.004	1824769	852875	2.1396	105.6085

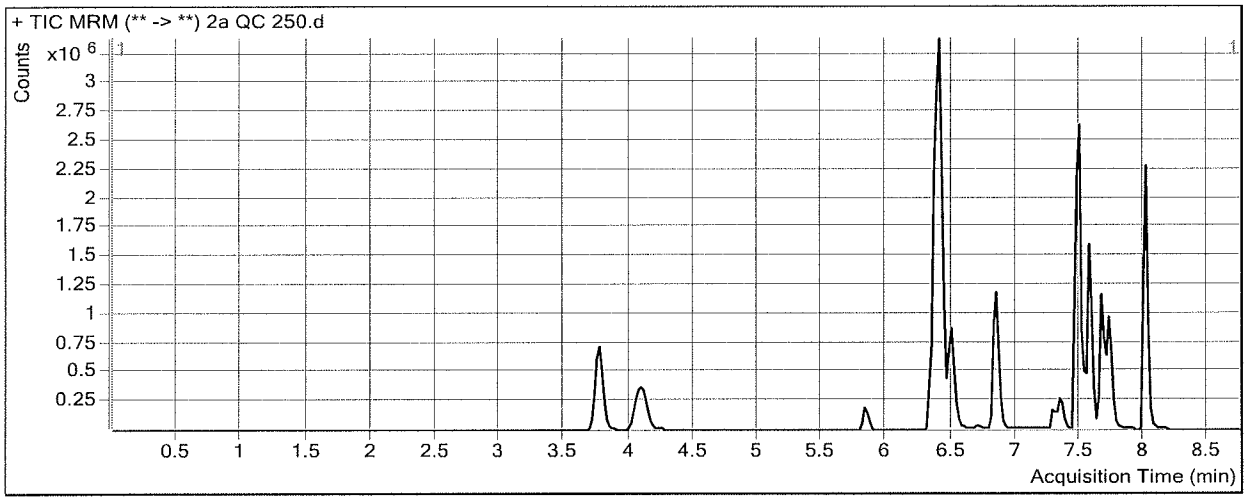
ISP FORENSICS - Cd'A Instrument # 62340
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\121917 mdq p1 and p2\QuantResults\121917 mdq p2a.batch.bin		
Analysis Time	12/21/2017 10:52 AM	**Analyst Name**	ISP Tox
Report Time	12/21/2017 10:55 AM	**Reporter Name**	ISP Tox
Last Calib Update	12/21/2017 10:52 AM	**Batch State**	Processed

Analysis Info

Acq Time	2017-12-20 13:45	**Data File**	2a QC 250.d
Sample Type	QC	**Sample Name**	2a QC 250
Dilution	1	**Acq Method**	MDQ Panel 2a 3-12-17-3.m
Position	P1-C6	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28 Panel 2

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Pseudoephedrine	Pseudoephedrine-D3	3.770	2417526	463814	5.2123	253.2959
Levamisole	Cocaine-D3	4.084	1336317	555761	2.4045	239.1061
Benzoylecgonine	Benzoylecgonine-D8	5.851	286896	7029	40.8141	356.4307
Zopiclone	Zopiclone-D4	6.388	310779	61853	5.0245	240.3128
Cocaine	Cocaine-D3	6.352	3278167	555761	5.8985	253.0763
Methylphenidate	Methylphenidate-D4	6.405	5203974	969858	5.3657	246.3521
Metoprolol	Methylphenidate-D4	6.421	727583	969858	0.7502	237.7613
Ondansetron	Zopiclone-D4	6.496	1775598	61853	28.7068	313.9543
Mirtazapine	Methylphenidate-D4	6.845	2354226	969858	2.4274	246.6619
Mitragynine	Doxepin-D3	7.272	143846	99134	1.4510	247.1341
Doxepin	Doxepin-D3	7.344	512234	99134	5.1671	278.8174
Carbamazepine	Carbamazepine-13C6	7.493	5583110	1214609	4.5966	249.5815
~~Protriptyline~~	~~Protriptyline-D3~~	~~7.531~~	~~244498~~	~~45231~~	~~5.4055~~	~~256.4443~~ Not evaluated
Maprotiline	Amitriptyline-D3	7.547	152591	40157	3.7998	263.8881
Amitriptyline	Amitriptyline-D3	7.567	512274	40157	12.7567	261.2822
Estazolam	Estazolam-D5	7.563	1313900	234980	5.5915	237.5483
Nortriptyline	Nortriptyline-D3	7.571	227833	39068	5.8318	238.7590
alpha-hydroxymidazolam	alpha-hydroxymidazolam-D4	7.659	1596826	382232	4.1776	265.9782
Chlordiazepoxide	Chlordiazepoxide-D5	7.703	548597	265663	2.0650	261.1006
Midazolam	Midazolam-D4	7.721	570555	325706	1.7517	247.2243
Phenazepam	Phenazepam-D4	7.739	69650	10702	6.5079	254.8336
Prazepam	Prazepam-D5	8.004	3885118	753266	5.1577	255.5039

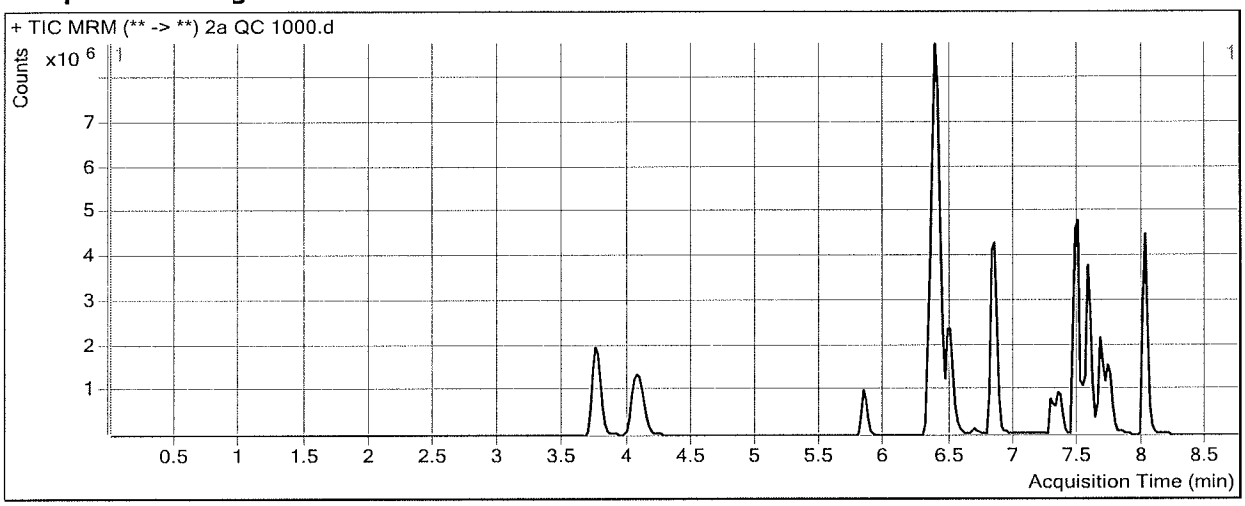
ISP FORENSICS - Cd'A Instrument # 62340
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\121917 mdq p1 and p2\QuantResults\121917 mdq p2a.batch.bin		
Analysis Time	12/21/2017 10:52 AM	**Analyst Name**	ISP Tox
Report Time	12/21/2017 10:55 AM	**Reporter Name**	ISP Tox
Last Calib Update	12/21/2017 10:52 AM	**Batch State**	Processed

Analysis Info

Acq Time	2017-12-20 14:10	**Data File**	2a QC 1000.d
Sample Type	QC	**Sample Name**	2a QC 1000
Dilution	1	**Acq Method**	MDQ Panel 2a 3-12-17-3.m
Position	P1-D6	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28 Panel 2

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Pseudoephedrine	Pseudoephedrine-D3	3.750	8266681	395826	20.8846	1014.0180
Levamisole	Cocaine-D3	4.064	5031258	443713	11.3390	1118.2988
~~Benzoylecgonine~~	~~Benzoylecgonine-D8~~	~~5.831~~	~~1529721~~	~~7113~~	~~215.0603~~	~~1870.7446~~ ☆
Zopiclone	Zopiclone-D4	6.368	458700	22533	20.3568	973.2160
Cocaine	Cocaine-D3	6.352	10537203	443713	23.7478	1019.1737
Methylphenidate	Methylphenidate-D4	6.405	15630412	704413	22.1893	1018.5014
~~Metoprolol~~	~~Methylphenidate-D4~~	~~6.421~~	~~1776310~~	~~704413~~	~~2.5217~~	~~800.8763~~ ☆
~~Ondansetron~~	~~Zopiclone-D4~~	~~6.476~~	~~5812594~~	~~22533~~	~~257.9588~~	~~2796.8978~~ ☆
~~Mirtazapine~~	~~Methylphenidate-D4~~	~~6.845~~	~~9468001~~	~~704413~~	~~13.4410~~	~~1354.8075~~ ☆
Mitragynine	Doxepin-D3	7.272	685444	114019	6.0117	1019.6578
Doxepin	Doxepin-D3	7.364	2223605	114019	19.5021	1051.5378
Carbamazepine	Carbamazepine-13C6	7.493	11744545	622964	18.8527	1024.1134
~~Protriptyline~~	~~Protriptyline-D3~~	~~7.531~~	~~834056~~	~~39440~~	~~21.1473~~	~~999.0529~~ ☆ Not evaluated
Maprotiline	Amitriptyline-D3	7.567	549204	46319	11.8569	826.5813
Amitriptyline	Amitriptyline-D3	7.567	2149717	46319	46.4108	954.0625
Estazolam	Estazolam-D5	7.563	2627450	107047	24.5448	1036.9955
Nortriptyline	Nortriptyline-D3	7.591	861412	34649	24.8612	1014.7902
alpha-hydroxymidazolam	alpha-hydroxymidazolam-D4	7.659	3545859	240724	14.7300	937.5692
~~Chlordiazepoxide~~	~~Chlordiazepoxide-D5~~	~~7.703~~	~~964291~~	~~126707~~	~~7.6104~~	~~967.8995~~ ☆
Midazolam	Midazolam-D4	7.721	1587752	219666	7.2280	1017.7358
Phenazepam	Phenazepam-D4	7.739	120409	5280	22.8040	895.9292
Prazepam	Prazepam-D5	8.004	10063453	489763	20.5476	1019.8387

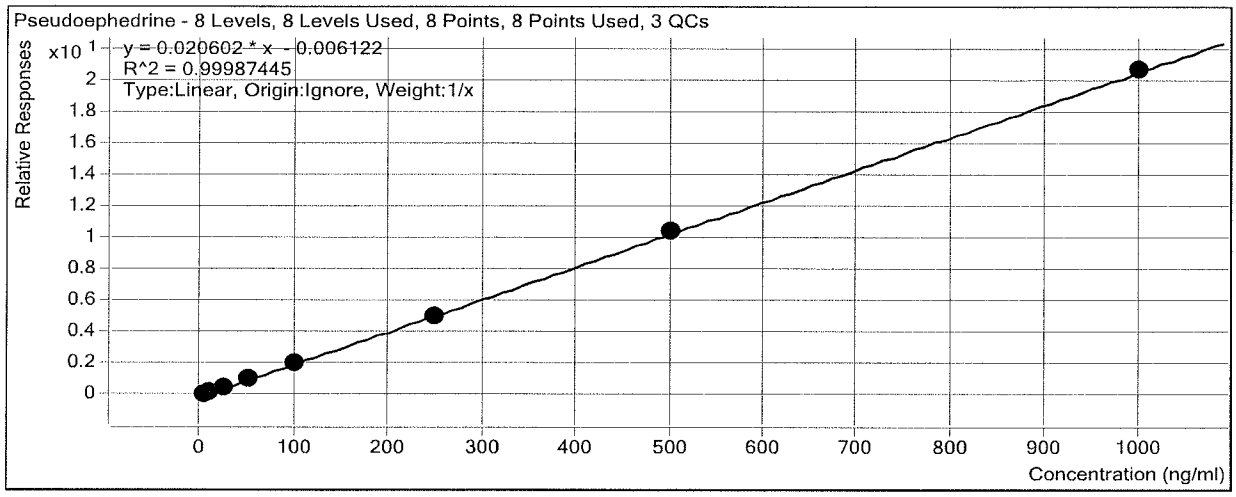
☆ outside range of curve ☆

ISP Forensics
Calibration Curve Report

Batch Data Path D:\2017 Data\121917 mdq p1 and p2\QuantResults\121917 mdq p2a.batch.bin

Last Calib Update 12/21/2017 10:52 AM **Analyst Name** ISP TOX

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



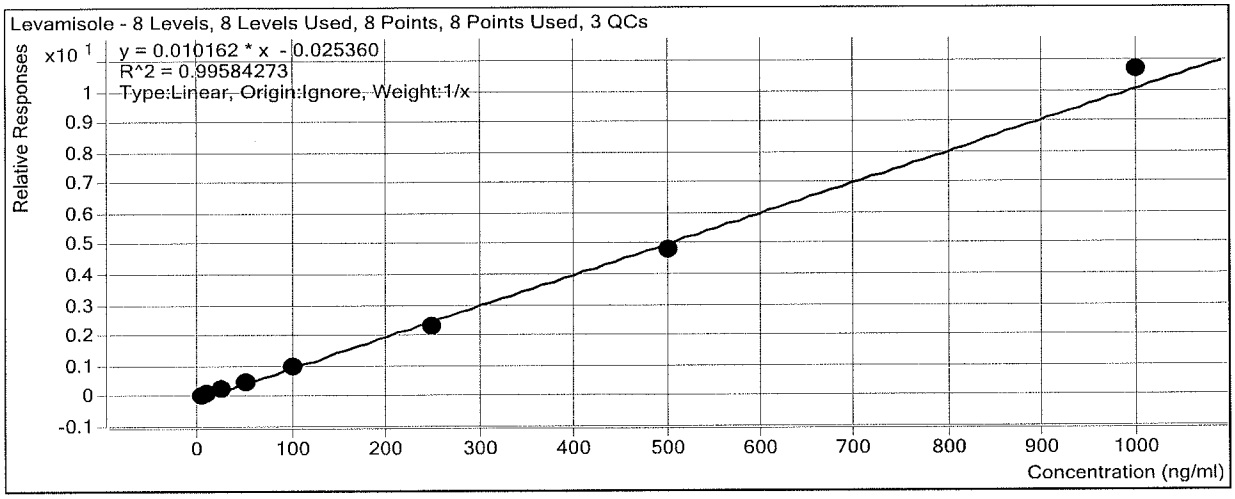
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2a cal 1-5ng	1	☑	5	5.1	102.4
2a cal 2-10ng	2	☑	10	10.0	100.0
2a QC 10	2	☑	10	10.3	102.5
2a cal 3-25ng	3	☑	25	24.4	97.5
2a cal 4-50ng	4	☑	50	50.4	100.8
2a QC 100	5	☑	100	100.7	100.7
2a cal 6-250ng	6	☑	250	243.8	97.5
2a QC 250	6	☑	250	253.3	101.3
2a cal 7-500ng	7	☑	500	504.5	100.9
2a cal 8-1000ng	8	☑	1000	1001.1	100.1
2a QC 1000	8	☑	1000	1014.0	101.4

ISP Forensics
Calibration Curve Report

Batch Data Path D:\2017 Data\121917 mdq p1 and p2\QuantResults\121917 mdq p2a.batch.bin

Last Calib Update 12/21/2017 10:52 AM **Analyst Name** ISP TOX

Target Compound *Levamisole*
Internal Standard *Cocaine-D3*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2a cal 1-5ng	1	☑	5	6.3	125.6
2a cal 2-10ng	2	☑	10	10.5	105.4
2a QC 10	2	☑	10	11.0	109.7
2a cal 3-25ng	3	☑	25	23.0	92.0
2a cal 4-50ng	4	☑	50	45.0	90.0
2a QC 100	5	☑	100	95.1	95.1
2a cal 6-250ng	6	☑	250	226.5	90.6
2a QC 250	6	☑	250	239.1	95.6
2a cal 7-500ng	7	☑	500	478.6	95.7
2a cal 8-1000ng	8	☑	1000	1054.9	105.5
2a QC 1000	8	☑	1000	1118.3	111.8

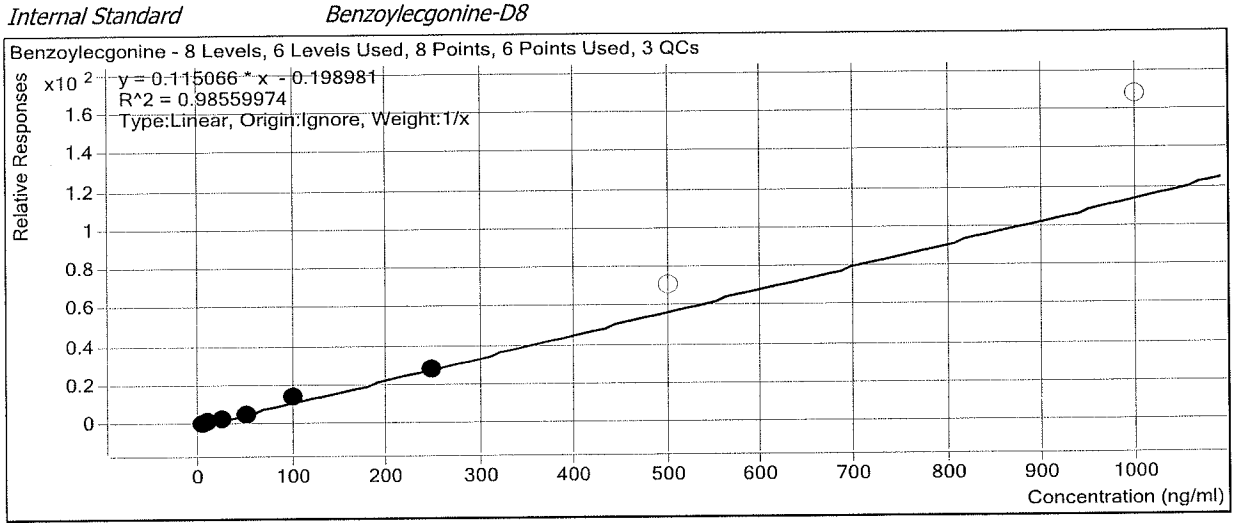
ISP Forensics
Calibration Curve Report

Batch Data Path D:\2017 Data\121917 mdq p1 and p2\QuantResults\121917 mdq p2a.batch.bin

Last Calib Update 12/21/2017 10:52 AM **Analyst Name** ISP TOX

Target Compound *Benzoylecgonine*

Internal Standard *Benzoylecgonine-D8*



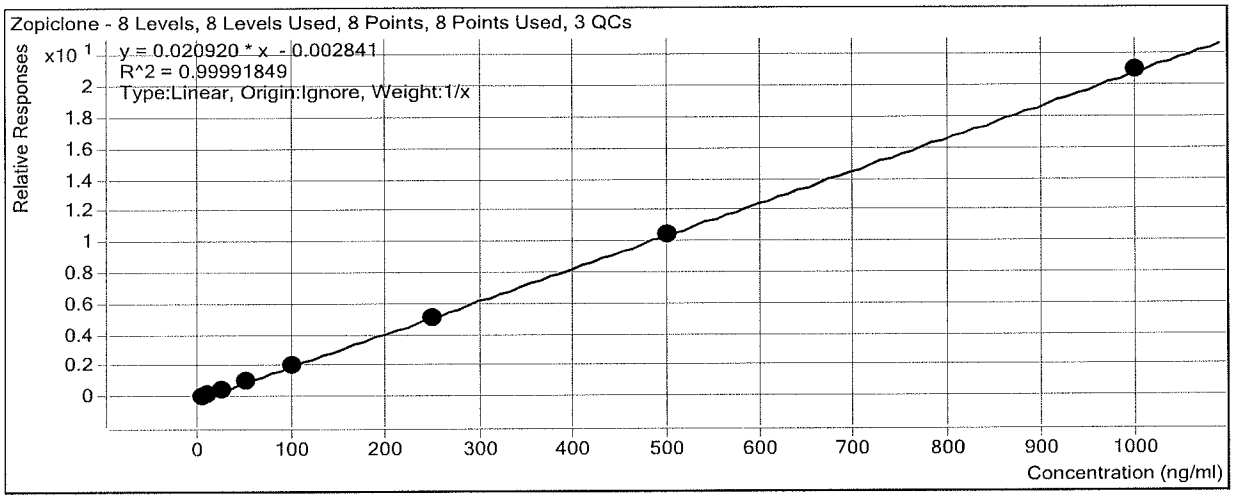
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2a cal 1-5ng	1	☑	5	5.5	110.5
2a cal 2-10ng	2	☑	10	10.2	101.8
2a QC 10	2	☑	10	11.2	112.1
2a cal 3-25ng	3	☑	25	21.3	85.1
2a cal 4-50ng	4	☑	50	44.0	88.1
2a QC 100	5	☑	100	118.3	118.3
2a cal 6-250ng	6	☑	250	240.7	96.3
2a QC 250	6	☑	250	356.4	142.6
2a cal 7-500ng	7	☐	500	614.7	122.9
2a cal 8-1000ng	8	☐	1000	1460.5	146.0
2a QC 1000	8	☐	1000	1870.7	187.1

ISP Forensics
Calibration Curve Report

Batch Data Path D:\2017 Data\121917 mdq p1 and p2\QuantResults\121917 mdq p2a.batch.bin

Last Calib Update 12/21/2017 10:52 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2a cal 1-5ng	1	☑	5	5.1	102.2
2a cal 2-10ng	2	☑	10	9.8	98.2
2a QC 10	2	☑	10	9.8	98.0
2a cal 3-25ng	3	☑	25	24.4	97.6
2a cal 4-50ng	4	☑	50	50.7	101.3
2a QC 100	5	☑	100	102.1	102.1
2a cal 6-250ng	6	☑	250	246.0	98.4
2a QC 250	6	☑	250	240.3	96.1
2a cal 7-500ng	7	☑	500	499.6	99.9
2a cal 8-1000ng	8	☑	1000	1002.3	100.2
2a QC 1000	8	☑	1000	973.2	97.3

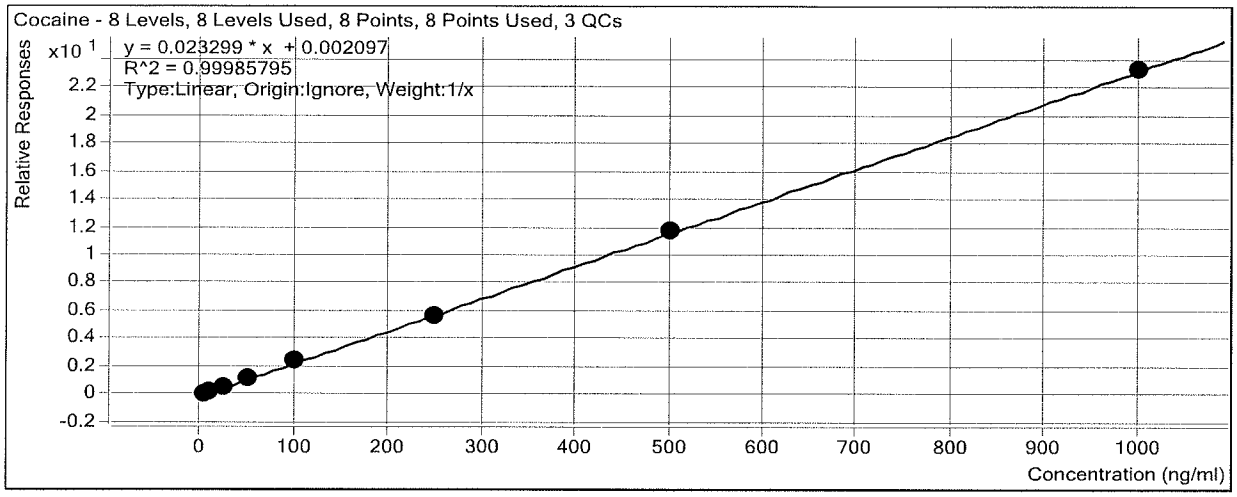
ISP Forensics
Calibration Curve Report

Batch Data Path D:\2017 Data\121917 mdq p1 and p2\QuantResults\121917 mdq p2a.batch.bin

Last Calib Update 12/21/2017 10:52 AM **Analyst Name** ISP TOX

Target Compound *Cocaine*

Internal Standard *Cocaine-D3*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2a cal 1-5ng	1	☑	5	4.8	95.8
2a cal 2-10ng	2	☑	10	9.9	99.4
2a QC 10	2	☑	10	10.0	100.0
2a cal 3-25ng	3	☑	25	25.1	100.5
2a cal 4-50ng	4	☑	50	51.4	102.8
2a QC 100	5	☑	100	103.2	103.2
2a cal 6-250ng	6	☑	250	245.3	98.1
2a QC 250	6	☑	250	253.1	101.2
2a cal 7-500ng	7	☑	500	502.0	100.4
2a cal 8-1000ng	8	☑	1000	998.2	99.8
2a QC 1000	8	☑	1000	1019.2	101.9

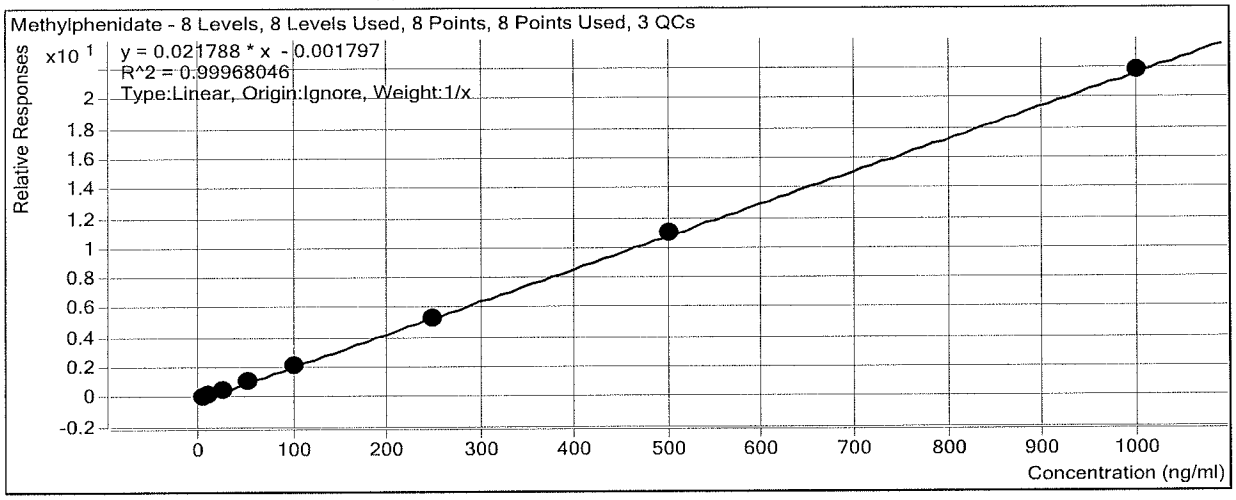
ISP Forensics
Calibration Curve Report

Batch Data Path D:\2017 Data\121917 mdq p1 and p2\QuantResults\121917 mdq p2a.batch.bin

Last Calib Update 12/21/2017 10:52 AM **Analyst Name** ISP TOX

Target Compound *Methylphenidate*

Internal Standard *Methylphenidate-D4*



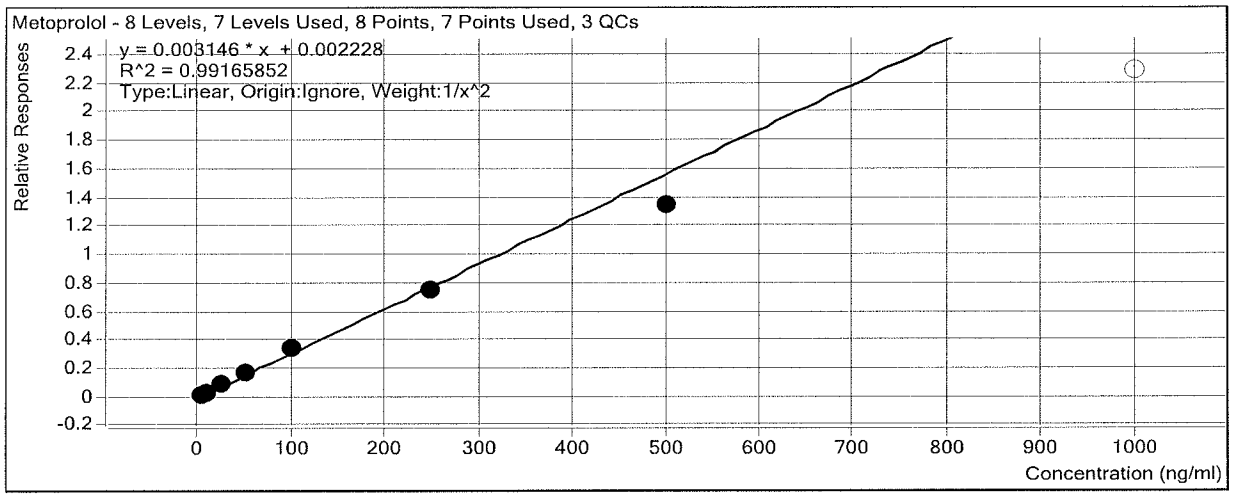
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2a cal 1-5ng	1	☑	5	5.2	103.8
2a cal 2-10ng	2	☑	10	10.0	100.0
2a QC 10	2	☑	10	10.0	99.6
2a cal 3-25ng	3	☑	25	24.7	98.6
2a cal 4-50ng	4	☑	50	50.2	100.5
2a QC 100	5	☑	100	98.9	98.9
2a cal 6-250ng	6	☑	250	240.6	96.2
2a QC 250	6	☑	250	246.4	98.5
2a cal 7-500ng	7	☑	500	509.6	101.9
2a cal 8-1000ng	8	☑	1000	1000.9	100.1
2a QC 1000	8	☑	1000	1018.5	101.9

ISP Forensics
Calibration Curve Report

Batch Data Path D:\2017 Data\121917 mdq p1 and p2\QuantResults\121917 mdq p2a.batch.bin

Last Calib Update 12/21/2017 10:52 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2a cal 1-5ng	1	☑	5	4.9	97.3
2a cal 2-10ng	2	☑	10	10.3	102.5
2a QC 10	2	☑	10	10.3	102.7
2a cal 3-25ng	3	☑	25	25.7	102.8
2a cal 4-50ng	4	☑	50	53.2	106.3
2a QC 100	5	☑	100	109.1	109.1
2a cal 6-250ng	6	☑	250	240.1	96.0
2a QC 250	6	☑	250	237.8	95.1
2a cal 7-500ng	7	☑	500	429.3	85.9
2a cal 8-1000ng	8	☐	1000	725.2	72.5
2a QC 1000	8	☐	1000	800.9	80.1

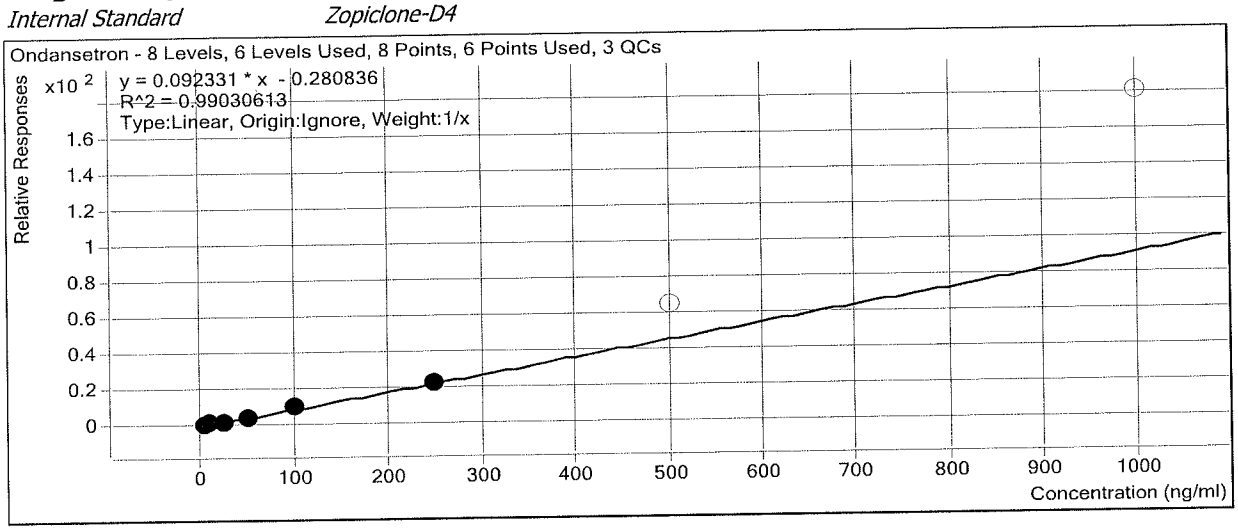
ISP Forensics
Calibration Curve Report

Batch Data Path D:\2017 Data\121917 mdq p1 and p2\QuantResults\121917 mdq p2a.batch.bin

Last Calib Update 12/21/2017 10:52 AM **Analyst Name** ISP TOX

Target Compound *Ondansetron*

Internal Standard *Zopiclone-D4*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2a cal 1-5ng	1	☑	5	6.2	123.1
2a cal 2-10ng	2	☑	10	9.3	92.9
2a QC 10	2	☑	10	11.1	111.1
2a cal 3-25ng	3	☑	25	20.2	80.8
2a cal 4-50ng	4	☑	50	46.0	92.0
2a QC 100	5	☑	100	113.1	113.1
2a cal 6-250ng	6	☑	250	245.3	98.1
2a QC 250	6	☑	250	314.0	125.6
2a cal 7-500ng	7	☐	500	698.5	139.7
2a cal 8-1000ng	8	☐	1000	1959.1	195.9
2a QC 1000	8	☐	1000	2796.9	279.7

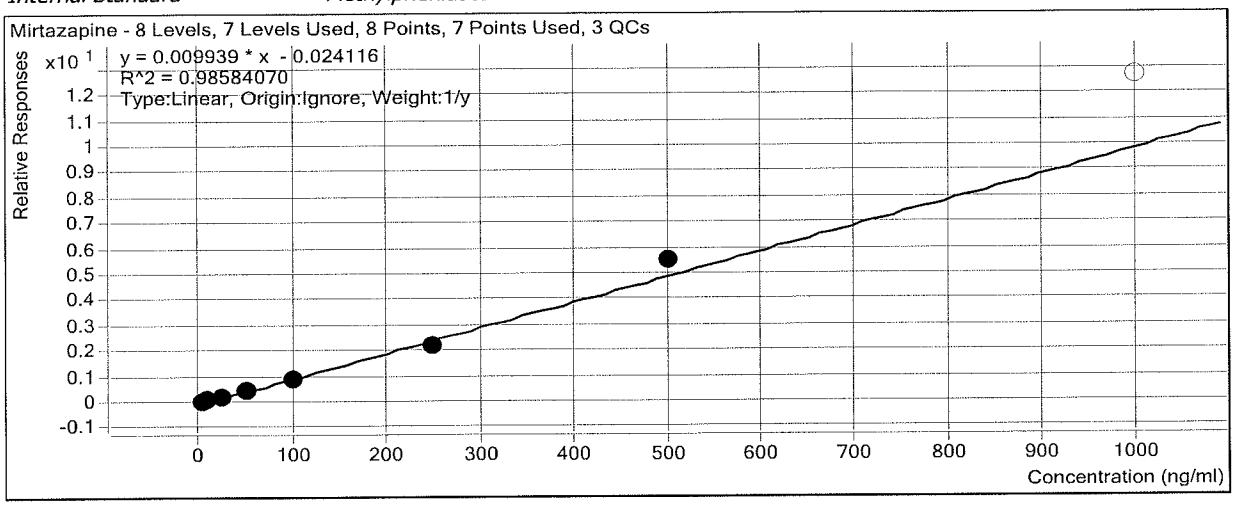
ISP Forensics
Calibration Curve Report

Batch Data Path D:\2017 Data\121917 mdq p1 and p2\QuantResults\121917 mdq p2a.batch.bin

Last Calib Update 12/21/2017 10:52 AM **Analyst Name** ISP TOX

Target Compound *Mirtazapine*

Internal Standard *Methylphenidate-D4*



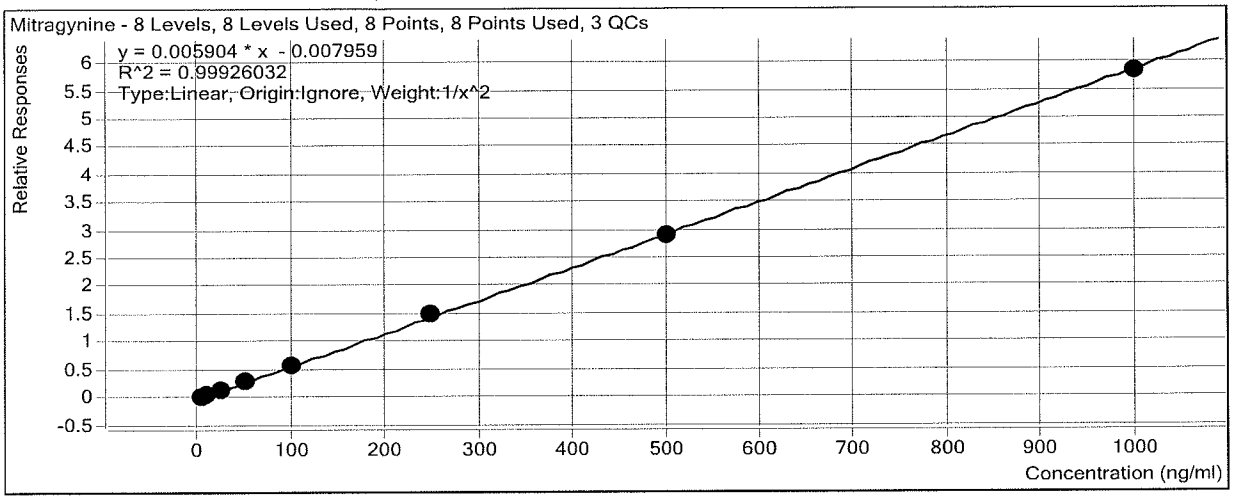
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2a cal 1-5ng	1	☑	5	6.3	126.9
2a cal 2-10ng	2	☑	10	10.3	103.0
2a QC 10	2	☑	10	10.5	104.9
2a cal 3-25ng	3	☑	25	22.3	89.4
2a cal 4-50ng	4	☑	50	45.5	91.0
2a QC 100	5	☑	100	90.0	90.0
2a cal 6-250ng	6	☑	250	221.5	88.6
2a QC 250	6	☑	250	246.7	98.7
2a cal 7-500ng	7	☑	500	555.8	111.2
2a cal 8-1000ng	8	☐	1000	1278.4	127.8
2a QC 1000	8	☑	1000	1354.8	135.5

ISP Forensics
Calibration Curve Report

Batch Data Path D:\2017 Data\121917 mdq p1 and p2\QuantResults\121917 mdq p2a.batch.bin

Last Calib Update 12/21/2017 10:52 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2a cal 1-5ng	1	☑	5	5.0	99.0
2a cal 2-10ng	2	☑	10	10.1	100.6
2a QC 10	2	☑	10	10.5	105.0
2a cal 3-25ng	3	☑	25	25.7	102.9
2a cal 4-50ng	4	☑	50	51.6	103.1
2a QC 100	5	☑	100	95.8	95.8
2a cal 6-250ng	6	☑	250	251.2	100.5
2a QC 250	6	☑	250	247.1	98.9
2a cal 7-500ng	7	☑	500	496.2	99.2
2a cal 8-1000ng	8	☑	1000	988.6	98.9
2a QC 1000	8	☑	1000	1019.7	102.0

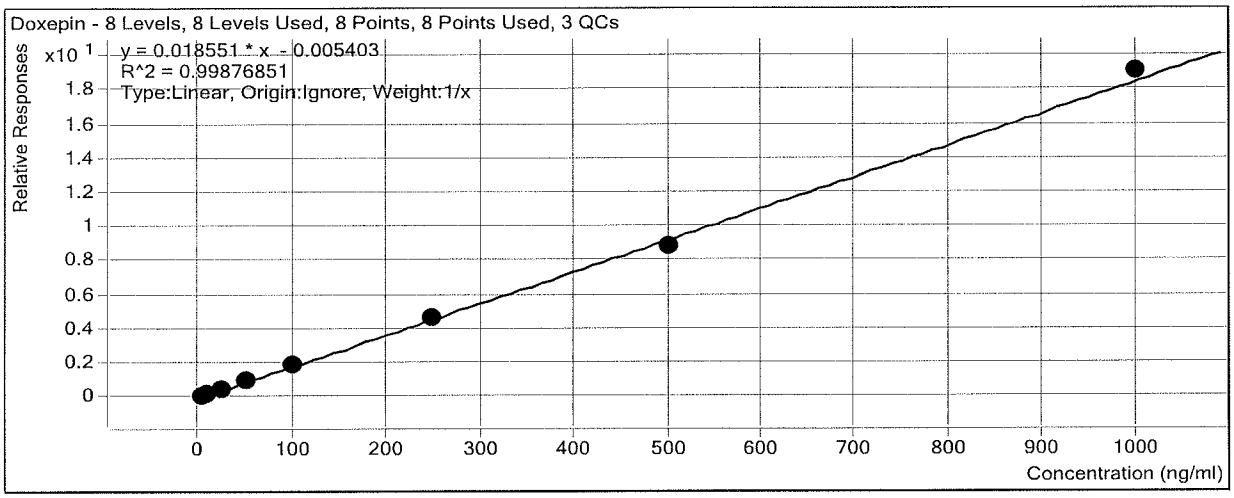
ISP Forensics
Calibration Curve Report

Batch Data Path D:\2017 Data\121917 mdq p1 and p2\QuantResults\121917 mdq p2a.batch.bin

Last Calib Update 12/21/2017 10:52 AM **Analyst Name** ISP TOX

Target Compound *Doxepin*

Internal Standard *Doxepin-D3*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2a cal 1-5ng	1	☑	5	5.0	100.7
2a cal 2-10ng	2	☑	10	9.8	97.6
2a QC 10	2	☑	10	10.3	103.1
2a cal 3-25ng	3	☑	25	25.6	102.3
2a cal 4-50ng	4	☑	50	51.9	103.8
2a QC 100	5	☑	100	98.7	98.7
2a cal 6-250ng	6	☑	250	248.8	99.5
2a QC 250	6	☑	250	278.8	111.5
2a cal 7-500ng	7	☑	500	473.8	94.8
2a cal 8-1000ng	8	☑	1000	1026.4	102.6
2a QC 1000	8	☑	1000	1051.5	105.2

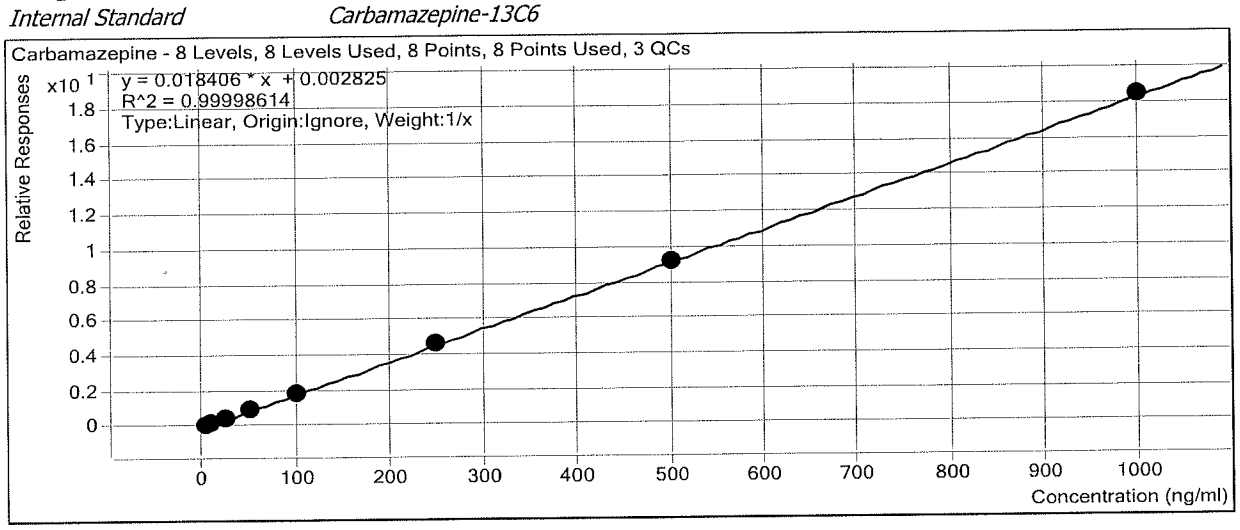
ISP Forensics
Calibration Curve Report

Batch Data Path D:\2017 Data\121917 mdq p1 and p2\QuantResults\121917 mdq p2a.batch.bin

Last Calib Update 12/21/2017 10:52 AM **Analyst Name** ISP TOX

Target Compound *Carbamazepine*

Internal Standard *Carbamazepine-13C6*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2a cal 1-5ng	1	☑	5	5.1	101.4
2a cal 2-10ng	2	☑	10	9.9	99.5
2a QC 10	2	☑	10	10.0	100.2
2a cal 3-25ng	3	☑	25	25.1	100.2
2a cal 4-50ng	4	☑	50	49.9	99.9
2a QC 100	5	☑	100	99.2	99.2
2a cal 6-250ng	6	☑	250	249.9	100.0
2a QC 250	6	☑	250	249.6	99.8
2a cal 7-500ng	7	☑	500	498.0	99.6
2a cal 8-1000ng	8	☑	1000	1002.9	100.3
2a QC 1000	8	☑	1000	1024.1	102.4

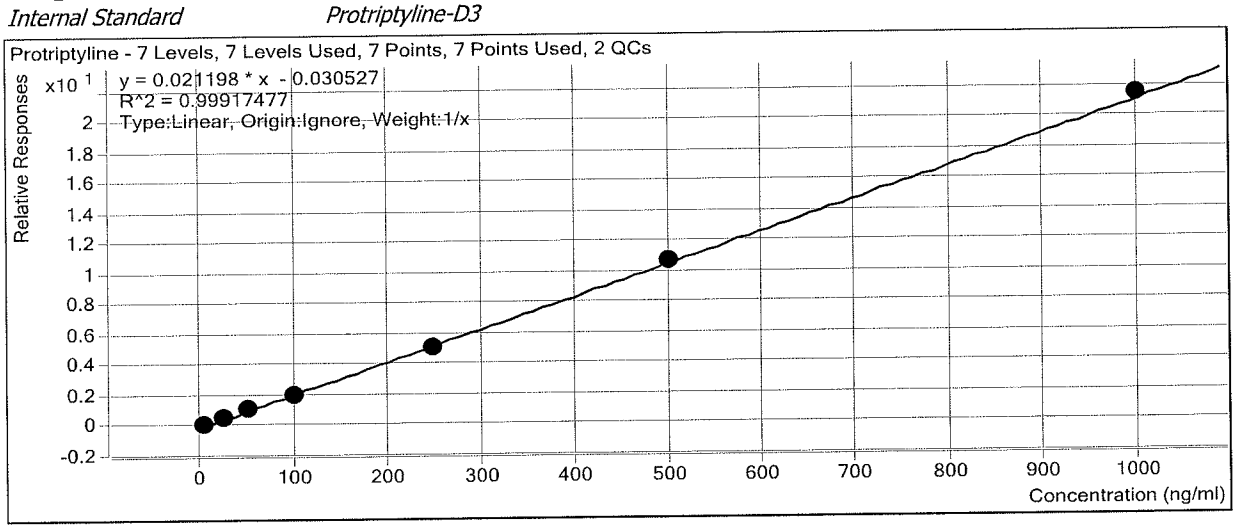
ISP Forensics
Calibration Curve Report

Batch Data Path D:\2017 Data\121917 mdq p1 and p2\QuantResults\121917 mdq p2a.batch.bin

Last Calib Update 12/21/2017 10:52 AM **Analyst Name** ISP TOX

Target Compound *Protriptyline*

Internal Standard *Protriptyline-D3*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2a cal 1-5ng	1	☑	5	5.9	118.3
2a cal 2-10ng	2	☑	10	0.0	0.0
2a cal 2-10ng	2	☑	10	0.0	0.0
2a cal 3-25ng	3	☑	25	23.0	91.9
2a cal 4-50ng	4	☑	50	48.9	97.8
2a QC 100	5	☑	100	93.5	93.5
2a cal 6-250ng	6	☑	250	239.7	95.9
2a QC 250	6	☑	250	256.4	102.6
2a cal 7-500ng	7	☑	500	506.8	101.4
2a cal 8-1000ng	8	☑	1000	1012.2	101.2
2a QC 1000	8	☑	1000	999.1	99.9

Not evaluated

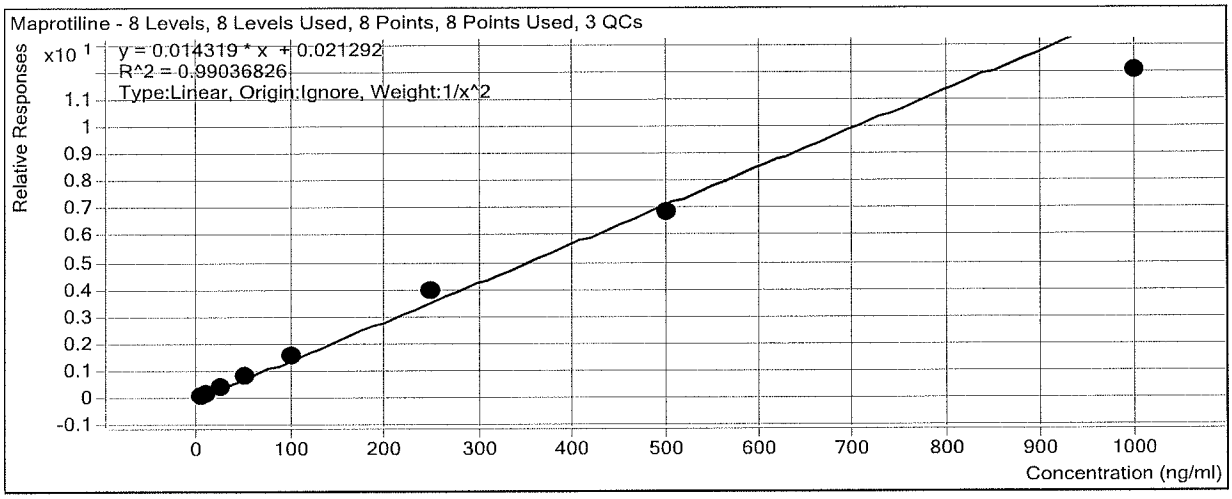
ISP Forensics
Calibration Curve Report

Batch Data Path D:\2017 Data\121917 mdq p1 and p2\QuantResults\121917 mdq p2a.batch.bin

Last Calib Update 12/21/2017 10:52 AM **Analyst Name** ISP TOX

Target Compound *Maprotiline*

Internal Standard *Amitriptyline-D3*



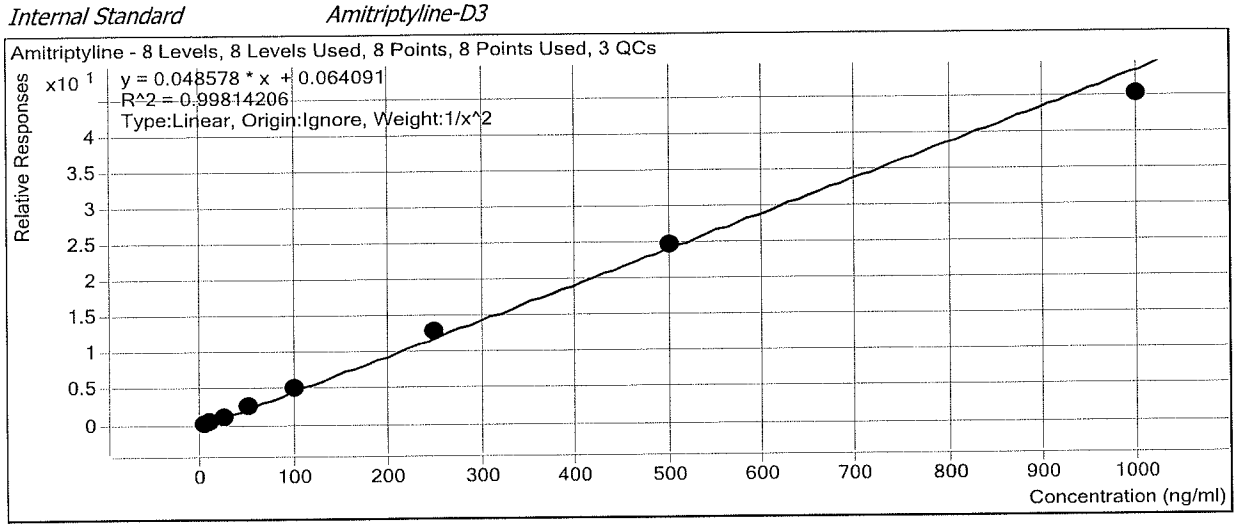
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2a cal 1-5ng	1	☑	5	4.9	98.2
2a cal 2-10ng	2	☑	10	10.3	102.9
2a QC 10	2	☐	10	10.9	109.4
2a cal 3-25ng	3	☑	25	24.0	95.8
2a cal 4-50ng	4	☑	50	54.2	108.4
2a QC 100	5	☑	100	104.3	104.3
2a cal 6-250ng	6	☑	250	277.5	111.0
2a QC 250	6	☑	250	263.9	105.6
2a cal 7-500ng	7	☑	500	476.0	95.2
2a cal 8-1000ng	8	☑	1000	841.5	84.2
2a QC 1000	8	☑	1000	826.6	82.7

ISP Forensics
Calibration Curve Report

Batch Data Path D:\2017 Data\121917 mdq p1 and p2\QuantResults\121917 mdq p2a.batch.bin

Last Calib Update 12/21/2017 10:52 AM **Analyst Name** ISP TOX

Target Compound *Amitriptyline*
Internal Standard *Amitriptyline-D3*



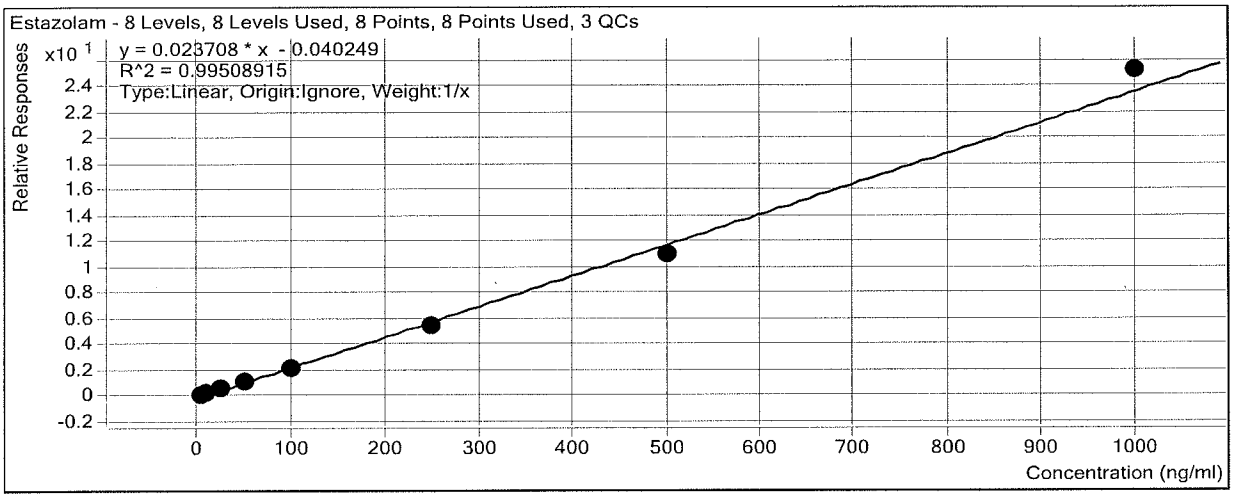
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2a cal 1-5ng	1	☑	5	5.0	100.8
2a cal 2-10ng	2	☑	10	9.8	98.5
2a QC 10	2	☑	10	10.0	100.3
2a cal 3-25ng	3	☑	25	24.5	98.2
2a cal 4-50ng	4	☑	50	50.6	101.1
2a QC 100	5	☑	100	101.7	101.7
2a cal 6-250ng	6	☑	250	263.7	105.5
2a QC 250	6	☑	250	261.3	104.5
2a cal 7-500ng	7	☑	500	507.9	101.6
2a cal 8-1000ng	8	☑	1000	925.9	92.6
2a QC 1000	8	☑	1000	954.1	95.4

ISP Forensics
Calibration Curve Report

Batch Data Path D:\2017 Data\121917 mdq p1 and p2\QuantResults\121917 mdq p2a.batch.bin

Last Calib Update 12/21/2017 10:52 AM **Analyst Name** ISP TOX

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



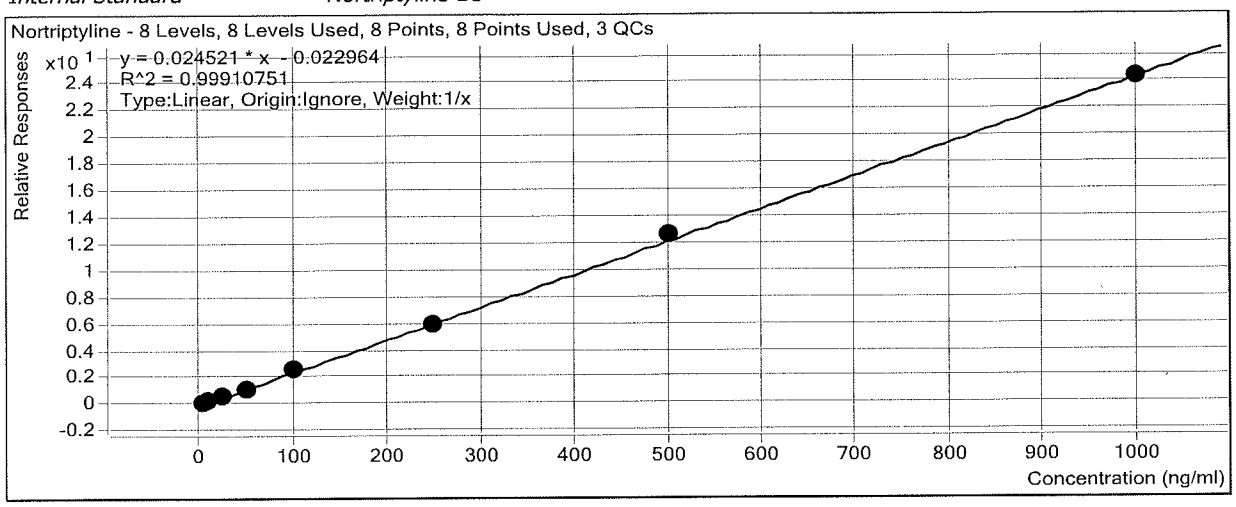
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2a cal 1-5ng	1	☑	5	6.1	122.0
2a cal 2-10ng	2	☑	10	10.3	103.0
2a QC 10	2	☑	10	10.6	106.3
2a cal 3-25ng	3	☑	25	23.5	94.0
2a cal 4-50ng	4	☑	50	48.7	97.5
2a QC 100	5	☑	100	92.1	92.1
2a cal 6-250ng	6	☑	250	229.0	91.6
2a QC 250	6	☑	250	237.5	95.0
2a cal 7-500ng	7	☑	500	467.8	93.6
2a cal 8-1000ng	8	☑	1000	1062.5	106.2
2a QC 1000	8	☑	1000	1037.0	103.7

ISP Forensics
Calibration Curve Report

Batch Data Path D:\2017 Data\121917 mdq p1 and p2\QuantResults\121917 mdq p2a.batch.bin

Last Calib Update 12/21/2017 10:52 AM **Analyst Name** ISP TOX

Target Compound *Nortriptyline*
Internal Standard *Nortriptyline-D3*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2a cal 1-5ng	1	☑	5	5.9	118.4
2a cal 2-10ng	2	☑	10	9.4	93.6
2a QC 10	2	☑	10	9.5	95.4
2a cal 3-25ng	3	☑	25	22.3	89.2
2a cal 4-50ng	4	☑	50	47.1	94.2
2a QC 100	5	☑	100	105.3	105.3
2a cal 6-250ng	6	☑	250	242.6	97.0
2a QC 250	6	☑	250	238.8	95.5
2a cal 7-500ng	7	☑	500	513.6	102.7
2a cal 8-1000ng	8	☑	1000	993.8	99.4
2a QC 1000	8	☑	1000	1014.8	101.5

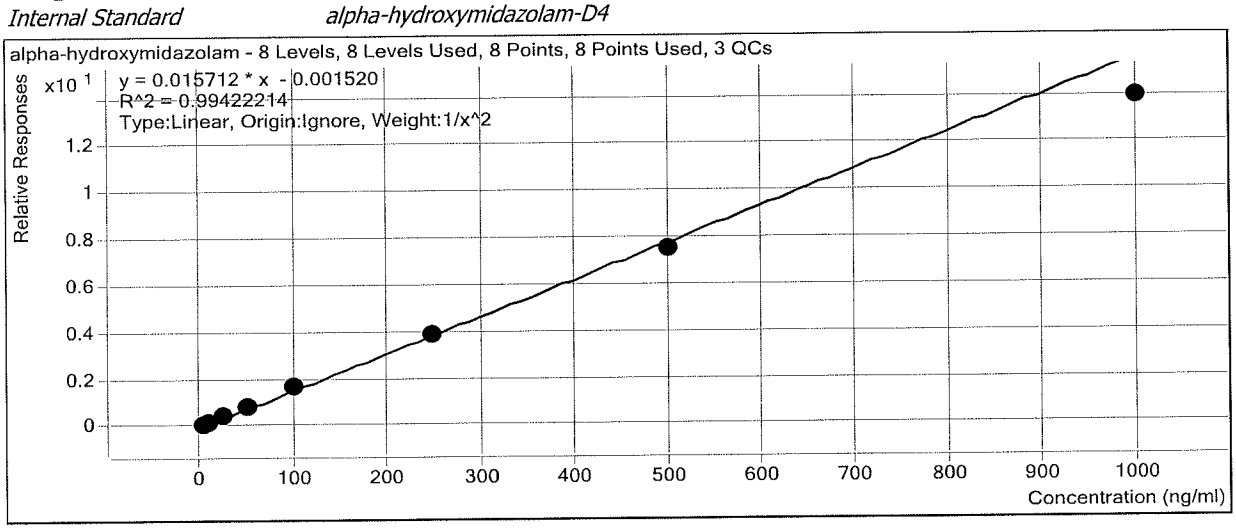
ISP Forensics
Calibration Curve Report

Batch Data Path D:\2017 Data\121917 mdq p1 and p2\QuantResults\121917 mdq p2a.batch.bin

Last Calib Update 12/21/2017 10:52 AM **Analyst Name** ISP TOX

Target Compound *alpha-hydroxymidazolam*

Internal Standard *alpha-hydroxymidazolam-D4*



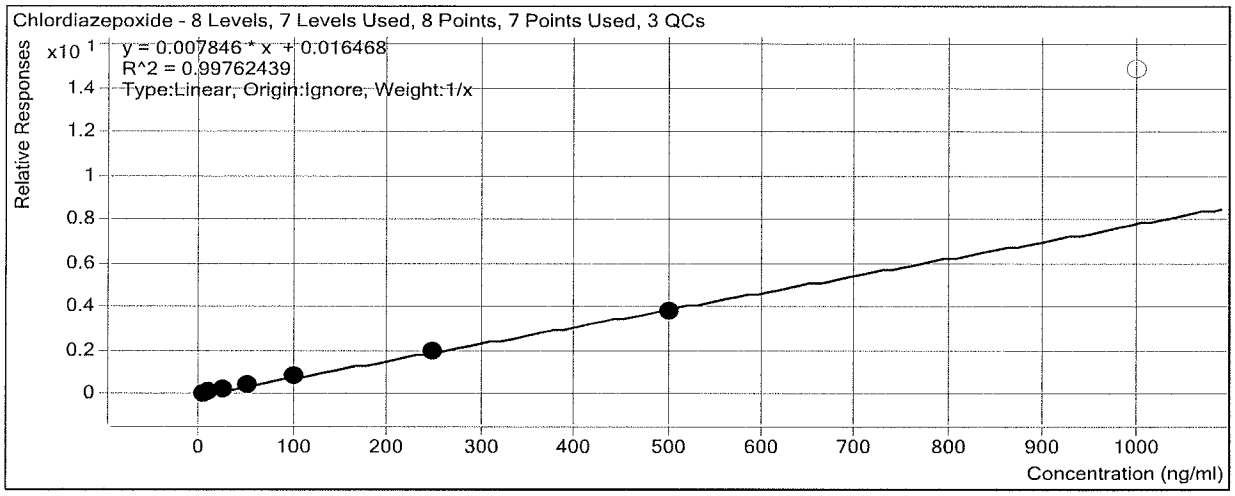
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2a cal 1-5ng	1	☑	5	4.8	95.6
2a cal 2-10ng	2	☑	10	10.6	105.9
2a QC 10	2	☑	10	10.7	106.5
2a cal 3-25ng	3	☑	25	25.8	103.1
2a cal 4-50ng	4	☑	50	52.7	105.5
2a QC 100	5	☑	100	107.6	107.6
2a cal 6-250ng	6	☑	250	245.9	98.4
2a QC 250	6	☑	250	266.0	106.4
2a cal 7-500ng	7	☑	500	476.4	95.3
2a cal 8-1000ng	8	☑	1000	886.1	88.6
2a QC 1000	8	☑	1000	937.6	93.8

ISP Forensics
Calibration Curve Report

Batch Data Path D:\2017 Data\121917 mdq p1 and p2\QuantResults\121917 mdq p2a.batch.bin

Last Calib Update 12/21/2017 10:52 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2a cal 1-5ng	1	☑	5	4.1	81.7
2a cal 2-10ng	2	☑	10	9.4	93.5
2a QC 10	2	☑	10	10.6	105.8
2a cal 3-25ng	3	☑	25	27.4	109.5
2a cal 4-50ng	4	☑	50	55.5	111.0
2a QC 100	5	☑	100	106.3	106.3
2a cal 6-250ng	6	☑	250	252.6	101.1
2a QC 250	6	☑	250	261.1	104.4
2a cal 7-500ng	7	☑	500	484.8	97.0
2a cal 8-1000ng	8	☐	1000	1890.7	189.1
2a QC 1000	8	☑	1000	967.9	96.8

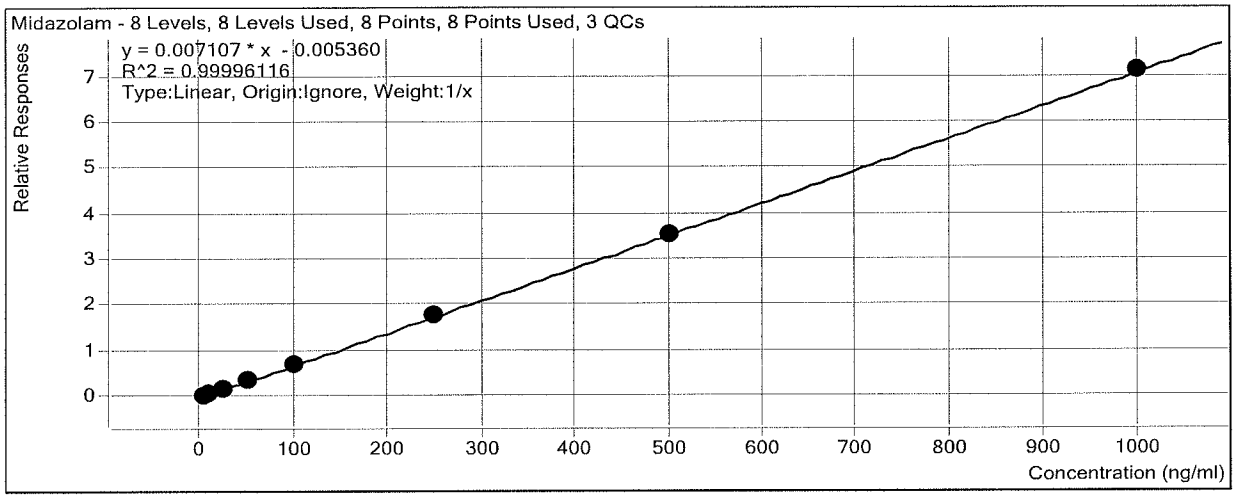
ISP Forensics
Calibration Curve Report

Batch Data Path D:\2017 Data\121917 mdq p1 and p2\QuantResults\121917 mdq p2a.batch.bin

Last Calib Update 12/21/2017 10:52 AM **Analyst Name** ISP TOX

Target Compound *Midazolam*

Internal Standard *Midazolam-D4*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2a cal 1-5ng	1	☑	5	5.3	105.0
2a cal 2-10ng	2	☑	10	9.8	97.9
2a QC 10	2	☑	10	9.9	99.2
2a cal 3-25ng	3	☑	25	25.0	100.0
2a cal 4-50ng	4	☑	50	49.3	98.5
2a QC 100	5	☑	100	98.4	98.4
2a cal 6-250ng	6	☑	250	249.1	99.6
2a QC 250	6	☑	250	247.2	98.9
2a cal 7-500ng	7	☑	500	502.3	100.5
2a cal 8-1000ng	8	☑	1000	1000.9	100.1
2a QC 1000	8	☑	1000	1017.7	101.8

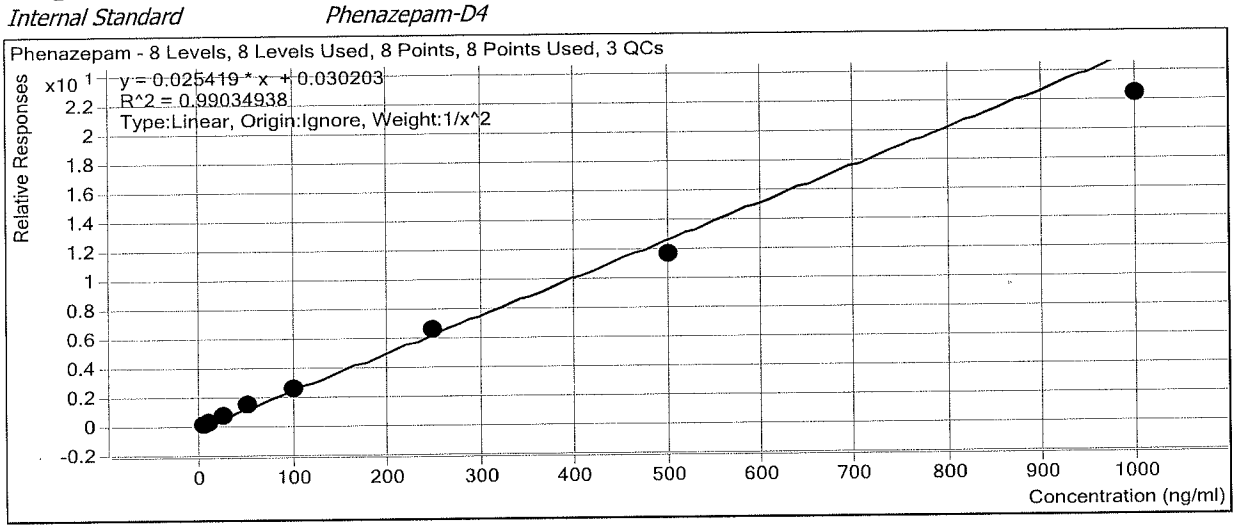
ISP Forensics
Calibration Curve Report

Batch Data Path D:\2017 Data\121917 mdq p1 and p2\QuantResults\121917 mdq p2a.batch.bin

Last Calib Update 12/21/2017 10:52 AM **Analyst Name** ISP TOX

Target Compound *Phenazepam*

Internal Standard *Phenazepam-D4*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2a cal 1-5ng	1	☑	5	4.9	98.6
2a cal 2-10ng	2	☑	10	9.9	98.7
2a QC 10	2	☑	10	8.6	85.7
2a cal 3-25ng	3	☑	25	25.6	102.3
2a cal 4-50ng	4	☑	50	58.4	116.8
2a QC 100	5	☑	100	100.8	100.8
2a cal 6-250ng	6	☑	250	257.9	103.2
2a QC 250	6	☑	250	254.8	101.9
2a cal 7-500ng	7	☑	500	458.6	91.7
2a cal 8-1000ng	8	☑	1000	880.1	88.0
2a QC 1000	8	☐	1000	895.9	89.6

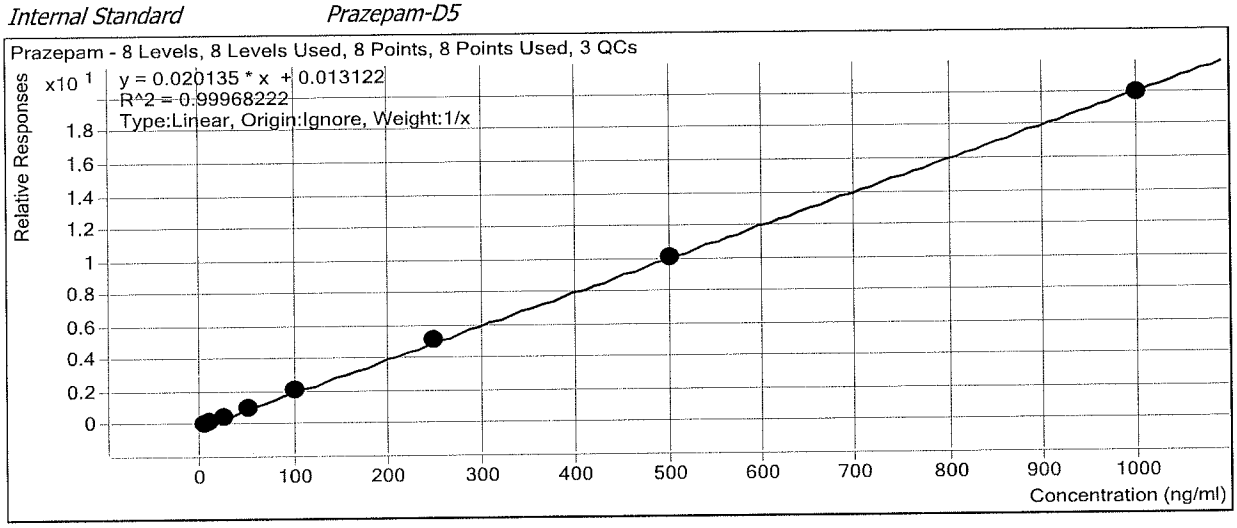
ISP Forensics
Calibration Curve Report

Batch Data Path D:\2017 Data\121917 mdq p1 and p2\QuantResults\121917 mdq p2a.batch.bin

Last Calib Update 12/21/2017 10:52 AM **Analyst Name** ISP TOX

Target Compound *Prazepam*

Internal Standard *Prazepam-D5*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2a cal 1-5ng	1	☑	5	4.6	91.7
2a cal 2-10ng	2	☑	10	9.8	98.0
2a QC 10	2	☑	10	10.2	102.0
2a cal 3-25ng	3	☑	25	25.2	101.0
2a cal 4-50ng	4	☑	50	51.7	103.4
2a QC 100	5	☑	100	105.6	105.6
2a cal 6-250ng	6	☑	250	252.9	101.2
2a QC 250	6	☑	250	255.5	102.2
2a cal 7-500ng	7	☑	500	500.9	100.2
2a cal 8-1000ng	8	☑	1000	989.3	98.9
2a QC 1000	8	☑	1000	1019.8	102.0

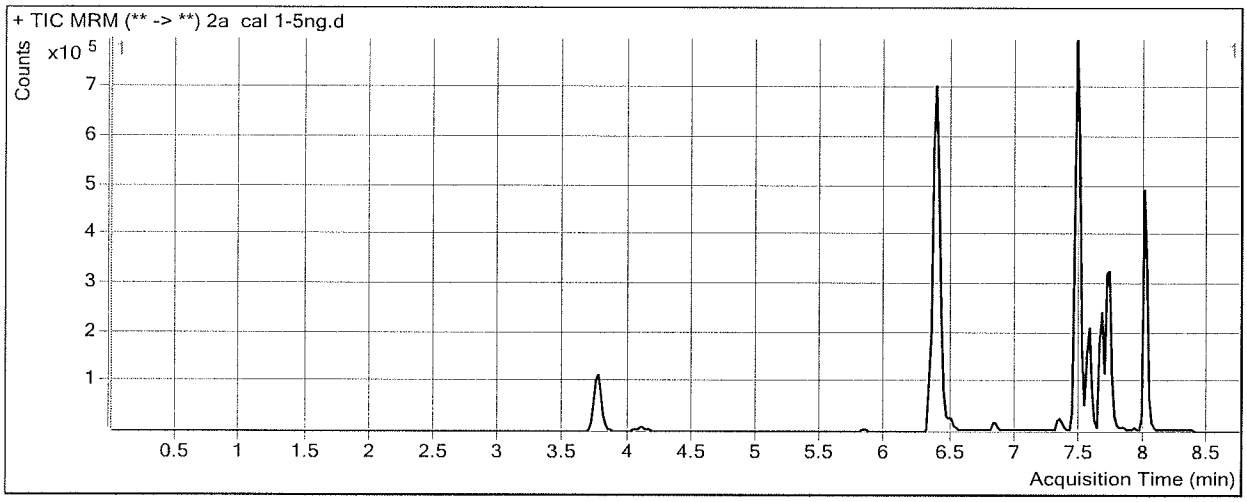
ISP FORENSICS - Cd'A Instrument # 62340
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\121917 mdq p1 and p2\QuantResults\121917 mdq p2a.batch.bin		
Analysis Time	12/21/2017 10:52 AM	**Analyst Name**	ISP Tox
Report Time	12/21/2017 10:55 AM	**Reporter Name**	ISP Tox
Last Calib Update	12/21/2017 10:52 AM	**Batch State**	Processed

Analysis Info

Acq Time	2017-12-20 05:16	**Data File**	2a cal 1-5ng.d
Sample Type	Calibration	**Sample Name**	2a cal 1-5ng
Dilution	1	**Acq Method**	MDQ Panel 2a 3-12-17-3.m
Position	P1-A5	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28 Panel 2

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Pseudoephedrine	Pseudoephedrine-D3	3.770	47327	476412	0.0993	5.1191
Levamisole	Cocaine-D3	4.084	24539	638387	0.0384	6.2781
Benzoylecgonine	Benzoylecgonine-D8	5.831	3433	7862	0.4366	5.5238
Zopiclone	Zopiclone-D4	6.388	13192	126768	0.1041	5.1104
Cocaine	Cocaine-D3	6.352	72575	638387	0.1137	4.7894
Methylphenidate	Methylphenidate-D4	6.405	104730	941382	0.1113	5.1886
Metoprolol	Methylphenidate-D4	6.421	16506	941382	0.0175	4.8653
Ondansetron	Zopiclone-D4	6.496	36437	126768	0.2874	6.1547
Mirtazapine	Methylphenidate-D4	6.845	36648	941382	0.0389	6.3434
Mitragynine	Doxepin-D3	7.272	1443	67835	0.0213	4.9513
Doxepin	Doxepin-D3	7.344	5967	67835	0.0880	5.0330
Carbamazepine	Carbamazepine-13C6	7.473	169674	1764863	0.0961	5.0698
Protriptyline	Protriptyline-D3	7.531	2956	31151	0.0949	5.9170
Maprotiline	Amitriptyline-D3	7.547	2040	22270	0.0916	4.9115
Amitriptyline	Amitriptyline-D3	7.547	6882	22270	0.3090	5.0421
Estazolam	Estazolam-D5	7.563	40899	391975	0.1043	6.0988
Nortriptyline	Nortriptyline-D3	7.571	2799	22890	0.1223	5.9224
alpha-hydroxymidazolam	alpha-hydroxymidazolam-D4	7.659	40506	550259	0.0736	4.7817
Chlordiazepoxide	Chlordiazepoxide-D5	7.703	22499	463800	0.0485	4.0840
Midazolam	Midazolam-D4	7.721	12375	387253	0.0320	5.2503
Phenazepam	Phenazepam-D4	7.719	4049	26041	0.1555	4.9285
Prazepam	Prazepam-D5	8.004	105644	1001836	0.1055	4.5855

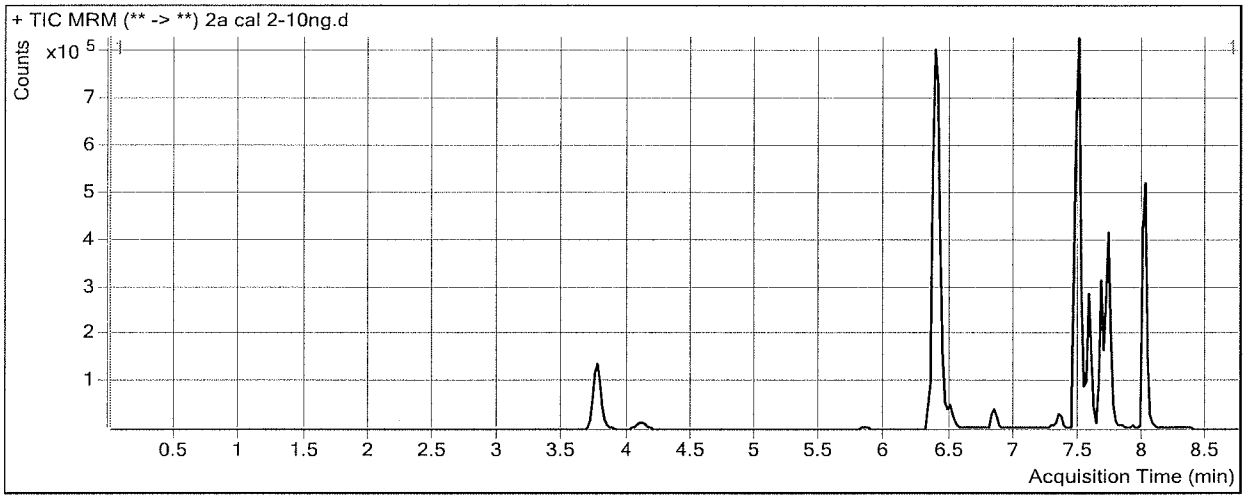
ISP FORENSICS - Cd'A Instrument # 62340
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\121917 mdq p1 and p2\QuantResults\121917 mdq p2a.batch.bin		
Analysis Time	12/21/2017 10:52 AM	**Analyst Name**	ISP Tox
Report Time	12/21/2017 10:55 AM	**Reporter Name**	ISP Tox
Last Calib Update	12/21/2017 10:52 AM	**Batch State**	Processed

Analysis Info

Acq Time	2017-12-20 05:41	**Data File**	2a cal 2-10ng.d
Sample Type	Calibration	**Sample Name**	2a cal 2-10ng
Dilution	1	**Acq Method**	MDQ Panel 2a 3-12-17-3.m
Position	P1-B5	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28 Panel 2

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Pseudoephedrine	Pseudoephedrine-D3	3.770	103042	515536	0.1999	9.9988
Levamisole	Cocaine-D3	4.104	54742	669476	0.0818	10.5418
Benzoylecgonine	Benzoylecgonine-D8	5.851	7981	8212	0.9719	10.1762
Zopiclone	Zopiclone-D4	6.388	27777	137097	0.2026	9.8208
Cocaine	Cocaine-D3	6.352	156481	669476	0.2337	9.9421
Methylphenidate	Methylphenidate-D4	6.405	229293	1060699	0.2162	10.0041
Metoprolol	Methylphenidate-D4	6.421	36578	1060699	0.0345	10.2538
Ondansetron	Zopiclone-D4	6.496	79123	137097	0.5771	9.2923
Mirtazapine	Methylphenidate-D4	6.845	82971	1060699	0.0782	10.2970
Mitragynine	Doxepin-D3	7.272	3899	75818	0.0514	10.0603
Doxepin	Doxepin-D3	7.344	13322	75818	0.1757	9.7631
Carbamazepine	Carbamazepine-13C6	7.493	350262	1884302	0.1859	9.9456
Maprotiline	Amitriptyline-D3	7.567	3909	23179	0.1687	10.2921
Amitriptyline	Amitriptyline-D3	7.567	12573	23179	0.5424	9.8467
Estazolam	Estazolam-D5	7.563	84379	413629	0.2040	10.3023
Nortriptyline	Nortriptyline-D3	7.571	5174	25037	0.2066	9.3633
alpha-hydroxymidazolam	alpha-hydroxymidazolam-D4	7.659	94221	571420	0.1649	10.5909
Chlordiazepoxide	Chlordiazepoxide-D5	7.723	44603	496465	0.0898	9.3520
Midazolam	Midazolam-D4	7.721	26479	412367	0.0642	9.7889
Phenazepam	Phenazepam-D4	7.739	8557	30450	0.2810	9.8675
Prazepam	Prazepam-D5	8.004	226046	1073746	0.2105	9.8038

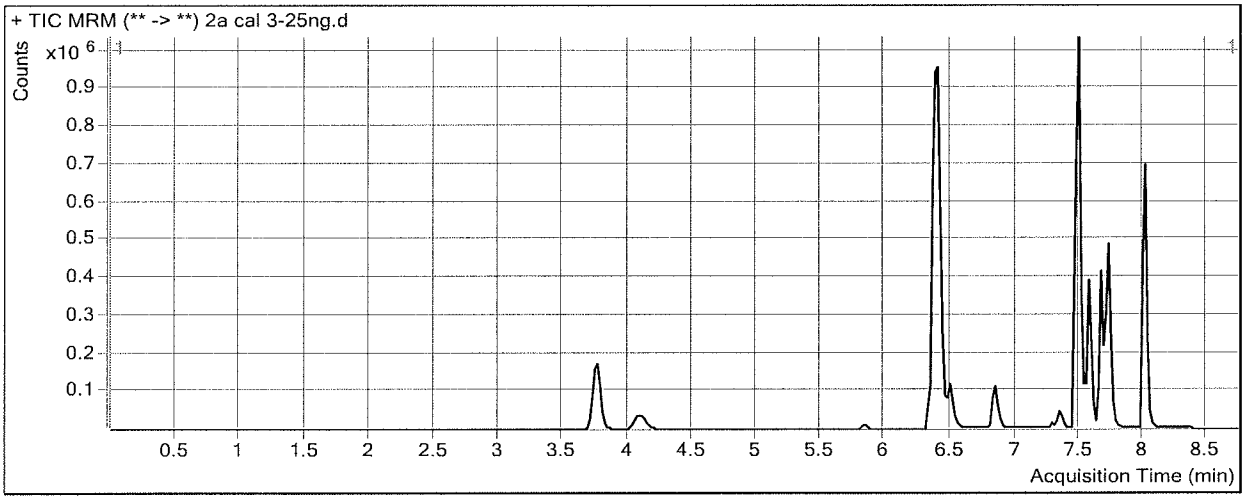
ISP FORENSICS - Cd'A Instrument # 62340
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\121917 mdq p1 and p2\QuantResults\121917 mdq p2a.batch.bin		
Analysis Time	12/21/2017 10:52 AM	**Analyst Name**	ISP Tox
Report Time	12/21/2017 10:55 AM	**Reporter Name**	ISP Tox
Last Calib Update	12/21/2017 10:52 AM	**Batch State**	Processed

Analysis Info

Acq Time	2017-12-20 06:07	**Data File**	2a cal 3-25ng.d
Sample Type	Calibration	**Sample Name**	2a cal 3-25ng
Dilution	1	**Acq Method**	MDQ Panel 2a 3-12-17-3.m
Position	P1-C5	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28 Panel 2

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Pseudoephedrine	Pseudoephedrine-D3	3.770	252484	508831	0.4962	24.3825
Levamisole	Cocaine-D3	4.084	138778	665680	0.2085	23.0103
Benzoylecgonine	Benzoylecgonine-D8	5.851	18503	8226	2.2494	21.2778
Zopiclone	Zopiclone-D4	6.388	64649	127403	0.5074	24.3920
Cocaine	Cocaine-D3	6.352	390886	665680	0.5872	25.1127
Methylphenidate	Methylphenidate-D4	6.405	582019	1087198	0.5353	24.6529
Metoprolol	Methylphenidate-D4	6.421	90304	1087198	0.0831	25.6948
Ondansetron	Zopiclone-D4	6.496	201780	127403	1.5838	20.1951
Mirtazapine	Methylphenidate-D4	6.845	215211	1087198	0.1980	22.3434
Mitragynine	Doxepin-D3	7.272	10704	74404	0.1439	25.7175
Doxepin	Doxepin-D3	7.344	34906	74404	0.4691	25.5796
Carbamazepine	Carbamazepine-13C6	7.493	852746	1837457	0.4641	25.0605
Protriptyline	Protriptyline-D3	7.531	16203	35478	0.4567	22.9844
Maprotiline	Amitriptyline-D3	7.547	9806	26916	0.3643	23.9556
Amitriptyline	Amitriptyline-D3	7.567	33820	26916	1.2565	24.5455
Estazolam	Estazolam-D5	7.563	205997	398485	0.5170	23.5026
Nortriptyline	Nortriptyline-D3	7.571	14124	26952	0.5240	22.3075
alpha-hydroxymidazolam	alpha-hydroxymidazolam-D4	7.659	232846	577156	0.4034	25.7731
Chlordiazepoxide	Chlordiazepoxide-D5	7.723	108443	468911	0.2313	27.3775
Midazolam	Midazolam-D4	7.721	70977	411838	0.1723	25.0025
Phenazepam	Phenazepam-D4	7.739	18012	26487	0.6800	25.5647
Prazepam	Prazepam-D5	8.004	535562	1026927	0.5215	25.2494

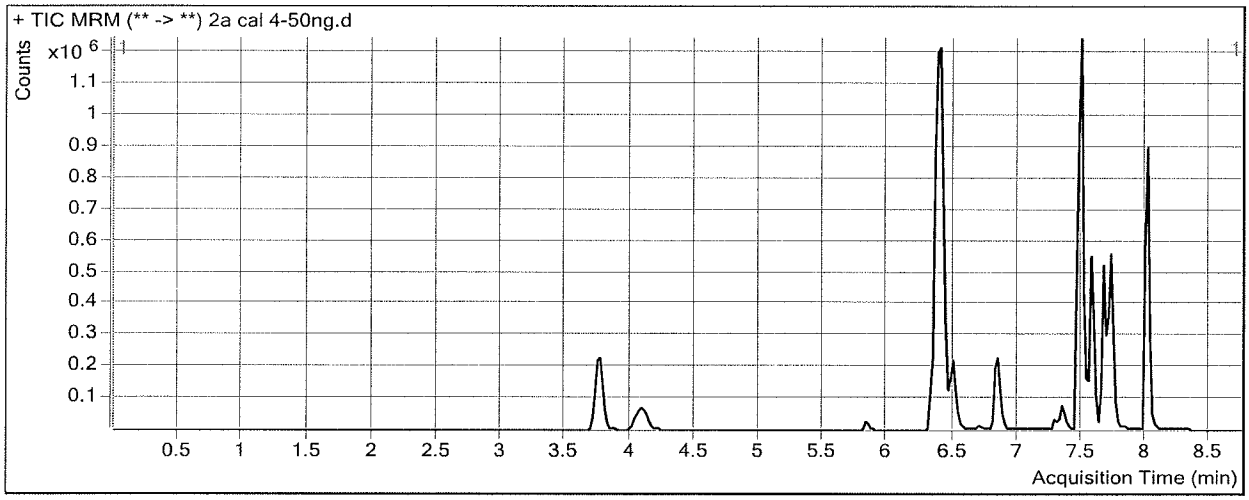
ISP FORENSICS - Cd'A Instrument # 62340
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\121917 mdq p1 and p2\QuantResults\121917 mdq p2a.batch.bin		
Analysis Time	12/21/2017 10:52 AM	**Analyst Name**	ISP Tox
Report Time	12/21/2017 10:55 AM	**Reporter Name**	ISP Tox
Last Calib Update	12/21/2017 10:52 AM	**Batch State**	Processed

Analysis Info

Acq Time	2017-12-20 06:32	**Data File**	2a cal 4-50ng.d
Sample Type	Calibration	**Sample Name**	2a cal 4-50ng
Dilution	1	**Acq Method**	MDQ Panel 2a 3-12-17-3.m
Position	P1-D5	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28 Panel 2

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Pseudoephedrine	Pseudoephedrine-D3	3.770	498420	482637	1.0327	50.4235
Levamisole	Cocaine-D3	4.084	271459	628126	0.4322	45.0230
Benzoylecgonine	Benzoylecgonine-D8	5.851	37088	7618	4.8682	44.0368
Zopiclone	Zopiclone-D4	6.388	108619	102755	1.0571	50.6647
Cocaine	Cocaine-D3	6.352	753212	628126	1.1991	51.3776
Methylphenidate	Methylphenidate-D4	6.405	1164284	1065397	1.0928	50.2394
Metoprolol	Methylphenidate-D4	6.421	180560	1065397	0.1695	53.1645
Ondansetron	Zopiclone-D4	6.496	407575	102755	3.9665	46.0010
Mirtazapine	Methylphenidate-D4	6.845	456340	1065397	0.4283	45.5233
Mitragynine	Doxepin-D3	7.272	26064	87917	0.2965	51.5648
Doxepin	Doxepin-D3	7.344	84135	87917	0.9570	51.8768
Carbamazepine	Carbamazepine-13C6	7.493	1544863	1675784	0.9219	49.9320
Protriptyline	Protriptyline-D3	7.531	40253	40010	1.0061	48.9002
Maprotiline	Amitriptyline-D3	7.547	26546	33298	0.7972	54.1899
Amitriptyline	Amitriptyline-D3	7.567	83930	33298	2.5206	50.5671
Estazolam	Estazolam-D5	7.563	377852	338901	1.1149	48.7255
Nortriptyline	Nortriptyline-D3	7.571	36228	32000	1.1321	47.1051
alpha-hydroxymidazolam	alpha-hydroxymidazolam-D4	7.659	425447	514361	0.8271	52.7391
Chlordiazepoxide	Chlordiazepoxide-D5	7.723	189665	419697	0.4519	55.5000
Midazolam	Midazolam-D4	7.721	137429	398690	0.3447	49.2535
Phenazepam	Phenazepam-D4	7.739	30095	19871	1.5145	58.3936
Prazepam	Prazepam-D5	8.004	1002964	951667	1.0539	51.6901

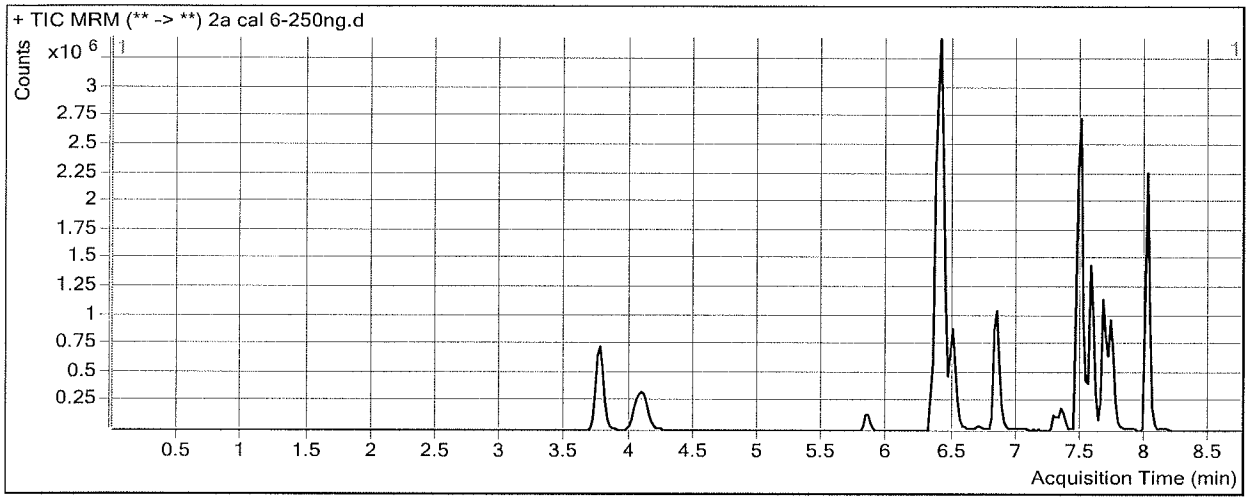
ISP FORENSICS - Cd'A Instrument # 62340
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\121917 mdq p1 and p2\QuantResults\121917 mdq p2a.batch.bin		
Analysis Time	12/21/2017 10:52 AM	**Analyst Name**	ISP Tox
Report Time	12/21/2017 10:55 AM	**Reporter Name**	ISP Tox
Last Calib Update	12/21/2017 10:52 AM	**Batch State**	Processed

Analysis Info

Acq Time	2017-12-20 07:23	**Data File**	2a cal 6-250ng.d
Sample Type	Calibration	**Sample Name**	2a cal 6-250ng
Dilution	1	**Acq Method**	MDQ Panel 2a 3-12-17-3.m
Position	P1-F5	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28 Panel 2

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Pseudoephedrine	Pseudoephedrine-D3	3.770	2425085	483416	5.0166	243.7961
Levamisole	Cocaine-D3	4.084	1341351	589238	2.2764	226.5039
Benzoylecgonine	Benzoylecgonine-D8	5.851	215218	7828	27.4950	240.6787
Zopiclone	Zopiclone-D4	6.388	407515	79226	5.1437	246.0104
Cocaine	Cocaine-D3	6.352	3369078	589238	5.7177	245.3148
Methylphenidate	Methylphenidate-D4	6.405	5077683	968996	5.2401	240.5892
Metoprolol	Methylphenidate-D4	6.421	734108	968996	0.7576	240.1138
Ondansetron	Zopiclone-D4	6.496	1771842	79226	22.3643	245.2612
Mirtazapine	Methylphenidate-D4	6.845	2109441	968996	2.1769	221.4616
Mitragynine	Doxepin-D3	7.272	105544	71565	1.4748	251.1611
Doxepin	Doxepin-D3	7.344	329933	71565	4.6102	248.8016
Carbamazepine	Carbamazepine-13C6	7.493	5913809	1284887	4.6026	249.9054
Protriptyline	Protriptyline-D3	7.531	164858	32638	5.0511	239.7256
Maprotiline	Amitriptyline-D3	7.547	107532	26920	3.9945	277.4806
Amitriptyline	Amitriptyline-D3	7.567	346618	26920	12.8758	263.7323
Estazolam	Estazolam-D5	7.563	1345690	249755	5.3880	228.9643
Nortriptyline	Nortriptyline-D3	7.571	150419	25384	5.9258	242.5922
alpha-hydroxymidazolam	alpha-hydroxymidazolam-D4	7.659	1572611	407206	3.8620	245.8869
Chlordiazepoxide	Chlordiazepoxide-D5	7.703	544553	272452	1.9987	252.6499
Midazolam	Midazolam-D4	7.721	586108	332087	1.7649	249.0788
Phenazepam	Phenazepam-D4	7.739	72513	11010	6.5859	257.9030
Prazepam	Prazepam-D5	8.004	3807478	745756	5.1055	252.9130

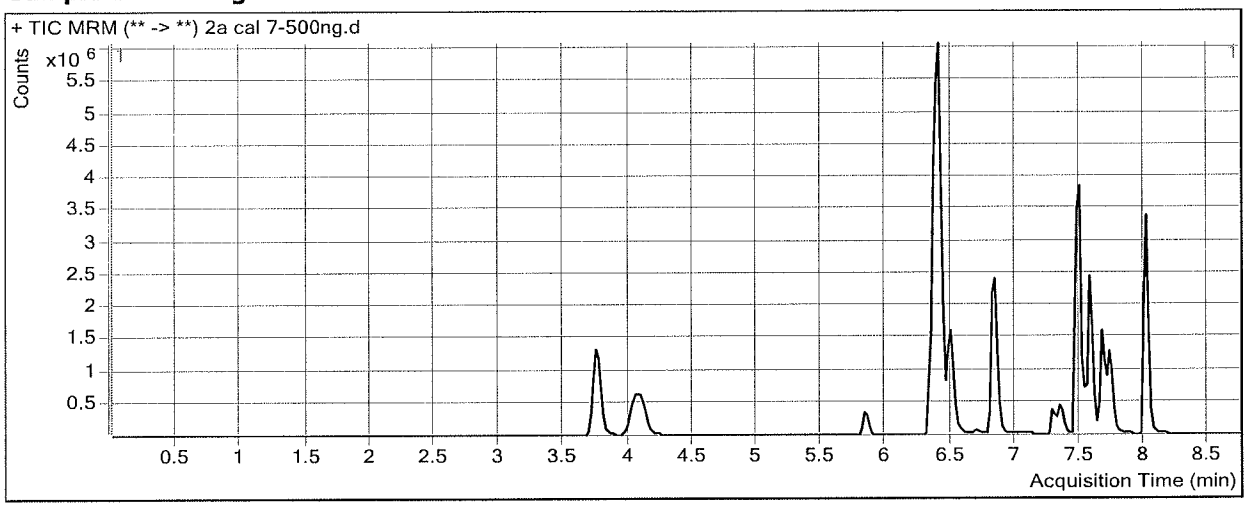
ISP FORENSICS - Cd'A Instrument # 62340
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\121917 mdq p1 and p2\QuantResults\121917 mdq p2a.batch.bin		
Analysis Time	12/21/2017 10:52 AM	**Analyst Name**	ISP Tox
Report Time	12/21/2017 10:55 AM	**Reporter Name**	ISP Tox
Last Calib Update	12/21/2017 10:52 AM	**Batch State**	Processed

Analysis Info

Acq Time	2017-12-20 07:49	**Data File**	2a cal 7-500ng.d
Sample Type	Calibration	**Sample Name**	2a cal 7-500ng
Dilution	1	**Acq Method**	MDQ Panel 2a 3-12-17-3.m
Position	P1-G5	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28 Panel 2

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Pseudoephedrine	Pseudoephedrine-D3	3.750	4827063	464713	10.3872	504.4812
Levamisole	Cocaine-D3	4.064	2734461	565181	4.8382	478.5943
Benzoylecgonine	Benzoylecgonine-D8	5.851	524512	7436	70.5363	614.7358
Zopiclone	Zopiclone-D4	6.388	555062	53125	10.4482	499.5729
Cocaine	Cocaine-D3	6.352	6612012	565181	11.6989	502.0319
Methylphenidate	Methylphenidate-D4	6.405	10205705	919306	11.1015	509.6085
Metoprolol	Methylphenidate-D4	6.421	1243594	919306	1.3528	429.2998
Ondansetron	Zopiclone-D4	6.496	3411451	53125	64.2154	698.5346
Mirtazapine	Methylphenidate-D4	6.845	5055893	919306	5.4997	555.7842
Mitragynine	Doxepin-D3	7.272	302124	103414	2.9215	496.2174
Doxepin	Doxepin-D3	7.344	908424	103414	8.7844	473.8058
Carbamazepine	Carbamazepine-13C6	7.493	9212581	1004758	9.1690	497.9959
Protriptyline	Protriptyline-D3	7.531	368639	34412	10.7124	506.7936
Maprotiline	Amitriptyline-D3	7.547	246734	36088	6.8370	475.9964
Amitriptyline	Amitriptyline-D3	7.567	892652	36088	24.7353	507.8639
Estazolam	Estazolam-D5	7.563	2136032	193304	11.0501	467.7907
Nortriptyline	Nortriptyline-D3	7.571	352116	28011	12.5708	513.5814
alpha-hydroxymidazolam	alpha-hydroxymidazolam-D4	7.659	2418611	323160	7.4843	476.4245
Chlordiazepoxide	Chlordiazepoxide-D5	7.703	776426	203265	3.8198	484.7569
Midazolam	Midazolam-D4	7.721	1021118	286437	3.5649	502.3339
Phenazepam	Phenazepam-D4	7.739	93379	7990	11.6866	458.5671
Prazepam	Prazepam-D5	8.004	6700960	663585	10.0981	500.8687

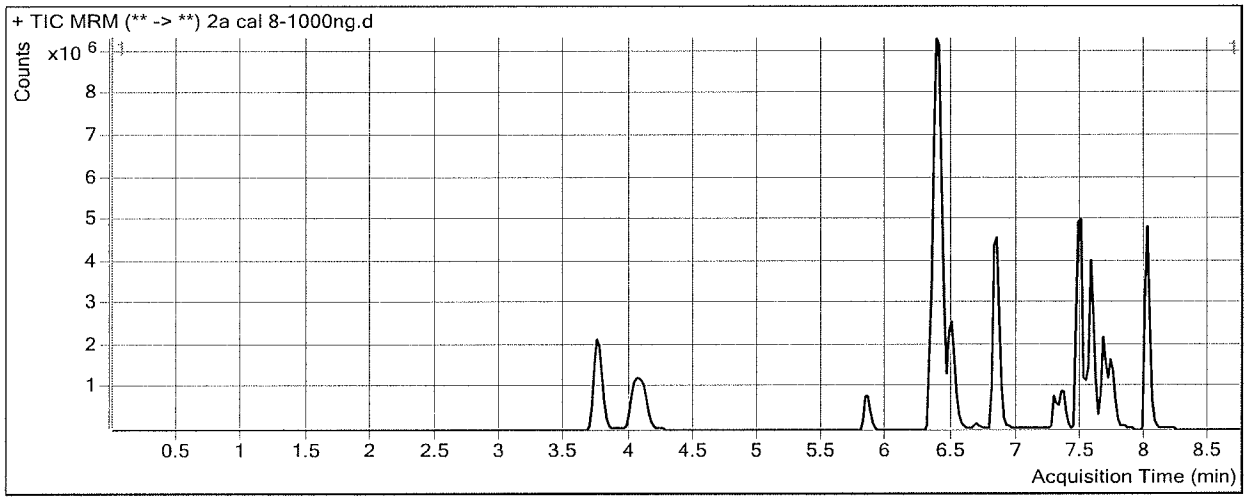
ISP FORENSICS - Cd'A Instrument # 62340
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\121917 mdq p1 and p2\QuantResults\121917 mdq p2a.batch.bin		
Analysis Time	12/21/2017 10:52 AM	**Analyst Name**	ISP Tox
Report Time	12/21/2017 10:55 AM	**Reporter Name**	ISP Tox
Last Calib Update	12/21/2017 10:52 AM	**Batch State**	Processed

Analysis Info

Acq Time	2017-12-20 08:14	**Data File**	2a cal 8-1000ng.d
Sample Type	Calibration	**Sample Name**	2a cal 8-1000ng
Dilution	1	**Acq Method**	MDQ Panel 2a 3-12-17-3.m
Position	P1-H5	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28 Panel 2

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Pseudoephedrine	Pseudoephedrine-D3	3.750	8826124	428082	20.6178	1001.0671
Levamisole	Cocaine-D3	4.044	5429495	507665	10.6950	1054.9299
Benzoylecgonine	Benzoylecgonine-D8	5.851	1338041	7971	167.8533	1460.4844
Zopiclone	Zopiclone-D4	6.388	706329	33691	20.9650	1002.2896
Cocaine	Cocaine-D3	6.352	11807836	507665	23.2591	998.1986
Methylphenidate	Methylphenidate-D4	6.405	17481505	801722	21.8050	1000.8629
Metoprolol	Methylphenidate-D4	6.421	1830915	801722	2.2837	725.2352
Ondansetron	Zopiclone-D4	6.496	6084729	33691	180.6048	1959.1047
Mirtazapine	Methylphenidate-D4	6.845	10167067	801722	12.6815	1278.3962
Mitragynine	Doxepin-D3	7.272	624854	107210	5.8283	988.5941
Doxepin	Doxepin-D3	7.364	2040887	107210	19.0363	1026.4276
Carbamazepine	Carbamazepine-13C6	7.493	12286343	665485	18.4622	1002.8999
Protriptyline	Protriptyline-D3	7.531	884389	41275	21.4266	1012.2286
Maprotiline	Amitriptyline-D3	7.567	603787	50019	12.0711	841.5383
Amitriptyline	Amitriptyline-D3	7.567	2253014	50019	45.0429	925.9022
Estazolam	Estazolam-D5	7.563	2697825	107275	25.1487	1062.4672
Nortriptyline	Nortriptyline-D3	7.571	894191	36728	24.3460	993.7805
alpha-hydroxymidazolam	alpha-hydroxymidazolam-D4	7.659	3624961	260384	13.9216	886.1240
Chlordiazepoxide	Chlordiazepoxide-D5	7.703	971159	65395	14.8507	1890.7238
Midazolam	Midazolam-D4	7.721	1696944	238727	7.1083	1000.8907
Phenazepam	Phenazepam-D4	7.739	129129	5764	22.4012	880.0865
Prazepam	Prazepam-D5	8.004	10876077	545650	19.9323	989.2812

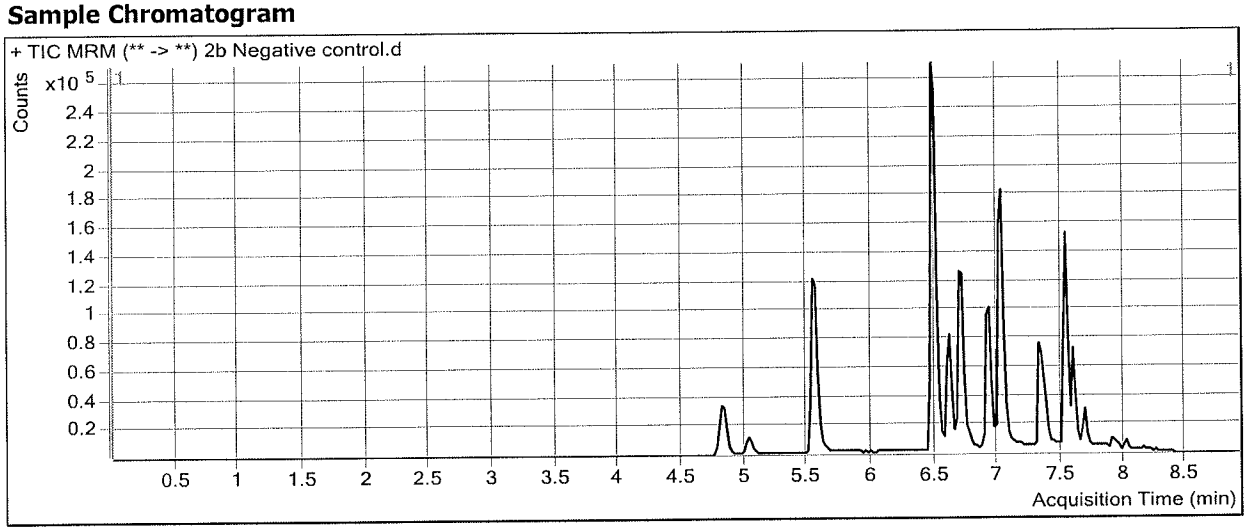
ISP FORENSICS - Cd'A Instrument # 62340
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\121917 mdq p1 and p2\QuantResults\121917 mdq p2b.batch.bin		
Analysis Time	12/21/2017 12:27 PM	**Analyst Name**	ISP Tox
Report Time	12/21/2017 12:27 PM	**Reporter Name**	ISP Tox
Last Calib Update	12/21/2017 12:27 PM	**Batch State**	Processed

Analysis Info

Acq Time	2017-12-20 09:05	**Data File**	2b Negative control.d
Sample Type	Sample	**Sample Name**	2b Negative control
Dilution	1	**Acq Method**	MDQ Panel 2b 8-8-17.m
Position	P1-E6	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28 Panel 2

Sample Chromatogram



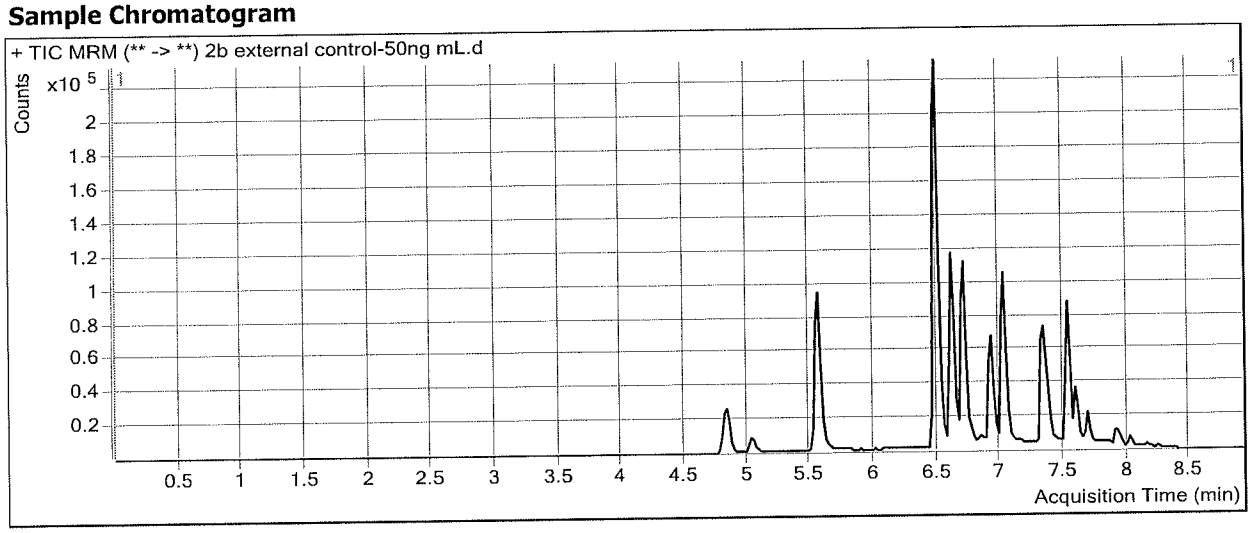
ISP FORENSICS - Cd'A Instrument # 62340
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\121917 mdq p1 and p2\QuantResults\121917 mdq p2b.batch.bin		
Analysis Time	12/21/2017 12:27 PM	**Analyst Name**	ISP Tox
Report Time	12/21/2017 12:27 PM	**Reporter Name**	ISP Tox
Last Calib Update	12/21/2017 12:27 PM	**Batch State**	Processed

Analysis Info

Acq Time	2017-12-20 09:31	**Data File**	2b external control-50ng mL.d
Sample Type	Sample	**Sample Name**	2b external control-50ng mL
Dilution	1	**Acq Method**	MDQ Panel 2b 8-8-17.m
Position	P1-F6	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28 meperidine 50ng

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Meperidine	Meperidine-D4	6.616	120791	151349	0.7981	40.2656

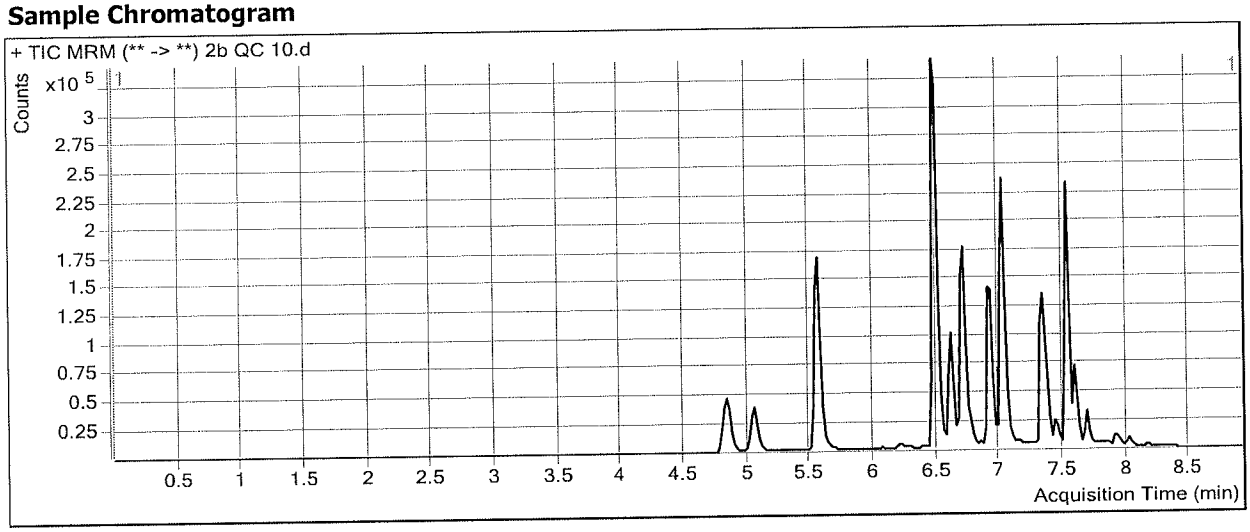
ISP FORENSICS - Cd'A Instrument # 62340
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\121917 mdq p1 and p2\QuantResults\121917 mdq p2b.batch.bin		
Analysis Time	12/21/2017 12:27 PM	**Analyst Name**	ISP Tox
Report Time	12/21/2017 12:27 PM	**Reporter Name**	ISP Tox
Last Calib Update	12/21/2017 12:27 PM	**Batch State**	Processed

Analysis Info

Acq Time	2017-12-20 09:56	**Data File**	2b QC 10.d
Sample Type	QC	**Sample Name**	2b QC 10
Dilution	1	**Acq Method**	MDQ Panel 2b 8-8-17.m
Position	P1-A6	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28 Panel 2

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
MDA	MDA-D5	4.850	49622	143211	0.3465	9.6269
MDMA	MDMA-D6	5.048	66055	42063	1.5704	9.9555
MDEA	MDEA-D6	5.548	75031	429255	0.1748	10.4734
Primidone	Tapentadol-D3	6.215	7376	881343	0.0084	9.2640
Tapentadol	Tapentadol-D3	6.483	188218	881343	0.2136	10.2233
Meperidine	Meperidine-D4	6.616	44486	226747	0.1962	10.3134
Normeperidine	Normeperidine-D4	6.724	49470	164763	0.3003	10.3728
7-aminoflunitrazepam	7-aminoflunitrazepam-D7	6.736	52712	252795	0.2085	9.5589
Pentazocine	Pentazocine-13C3	6.919	86759	297533	0.2916	9.9612
Phencyclidine	Phencydlidine-D5	7.028	103768	519875	0.1996	10.8067
Flurazepam	Flunitrazepam-D7	7.335	69946	65041	1.0754	9.6194
Zaleplon	Zaleplon-D4	7.341	53381	193755	0.2755	10.4566
Phenytoin	Phenytoin-D10	7.389	2633	15673	0.1680	9.1033
Verapamil	Trimipramine-D3	7.415	37148	107186	0.3466	10.7297
Amoxapine	Clomipramine-D3	7.500	5456	46925	0.1163	10.2738
Propoxyphene	Propoxyphene-D11	7.517	58731	74308	0.7904	9.5814
Flunitrazepam	Flunitrazepam-D7	7.520	55705	65041	0.8565	10.0085
Imipramine	Imipramine-D3	7.528	26975	83160	0.3244	10.2249
Desipramine	Desipramine-D3	7.549	16043	83298	0.1926	9.8521
Trimipramine	Trimipramine-D3	7.586	23804	107186	0.2221	10.8797
Clomipramine	Clomipramine-D3	7.681	8817	46925	0.1879	9.8434
Norpropoxyphene	Norpropoxyphene-D5	7.909	6064	19801	0.3062	11.6489

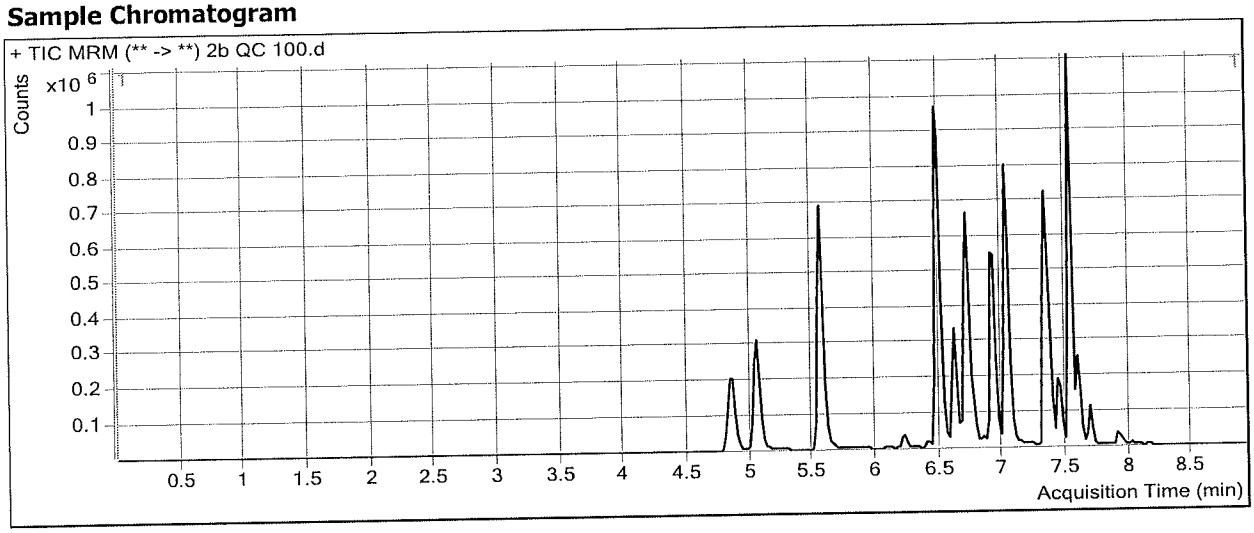
ISP FORENSICS - Cd'A Instrument # 62340
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\121917 mdq p1 and p2\QuantResults\121917 mdq p2b.batch.bin		
Analysis Time	12/21/2017 12:27 PM	**Analyst Name**	ISP Tox
Report Time	12/21/2017 12:27 PM	**Reporter Name**	ISP Tox
Last Calib Update	12/21/2017 12:27 PM	**Batch State**	Processed

Analysis Info

Acq Time	2017-12-20 13:32	**Data File**	2b QC 100.d
Sample Type	QC	**Sample Name**	2b QC 100
Dilution	1	**Acq Method**	MDQ Panel 2b 8-8-17.m
Position	P1-B6	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28 Panel 2

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
MDA	MDA-D5	4.850	492821	139551	3.5315	105.1172
MDMA	MDMA-D6	5.048	676284	42536	15.8990	102.4712
MDEA	MDEA-D6	5.548	774729	434985	1.7810	103.2446
Primidone	Tapentadol-D3	6.215	75046	837375	0.0896	94.7294
Tapentadol	Tapentadol-D3	6.483	1789083	837375	2.1365	101.4104
Meperidine	Meperidine-D4	6.616	471833	231265	2.0402	102.0775
Normeperidine	Normeperidine-D4	6.724	484131	167655	2.8877	104.5290
7-aminoflunitrazepam	7-aminoflunitrazepam-D7	6.736	532597	253212	2.1034	98.6110
Pentazocine	Pentazocine-13C3	6.899	860765	285547	3.0144	102.5575
Phencyclidine	Phencydlidine-D5	7.028	1086049	525745	2.0657	107.3714
Flurazepam	Flunitrazepam-D7	7.335	777844	50319	15.4583	93.2612
Zaleplon	Zaleplon-D4	7.341	504093	176148	2.8618	101.6509
Phenytoin	Phenytoin-D10	7.389	30288	15168	1.9968	99.0598
Verapamil	Trimipramine-D3	7.415	372275	121173	3.0723	102.6333
Amoxapine	Clomipramine-D3	7.500	49138	55122	0.8914	79.5308
Propoxyphene	Propoxyphene-D11	7.517	636517	77441	8.2194	99.6537
Flunitrazepam	Flunitrazepam-D7	7.520	420617	50319	8.3590	81.7043
Imipramine	Imipramine-D3	7.528	308467	88920	3.4690	98.3636
Desipramine	Desipramine-D3	7.549	176377	91198	1.9340	95.7716
Trimipramine	Trimipramine-D3	7.586	253069	121173	2.0885	96.8756
Clomipramine	Clomipramine-D3	7.681	93238	55122	1.6915	96.6970
Norpropoxyphene	Norpropoxyphene-D5	7.909	63378	21234	2.9848	93.6871

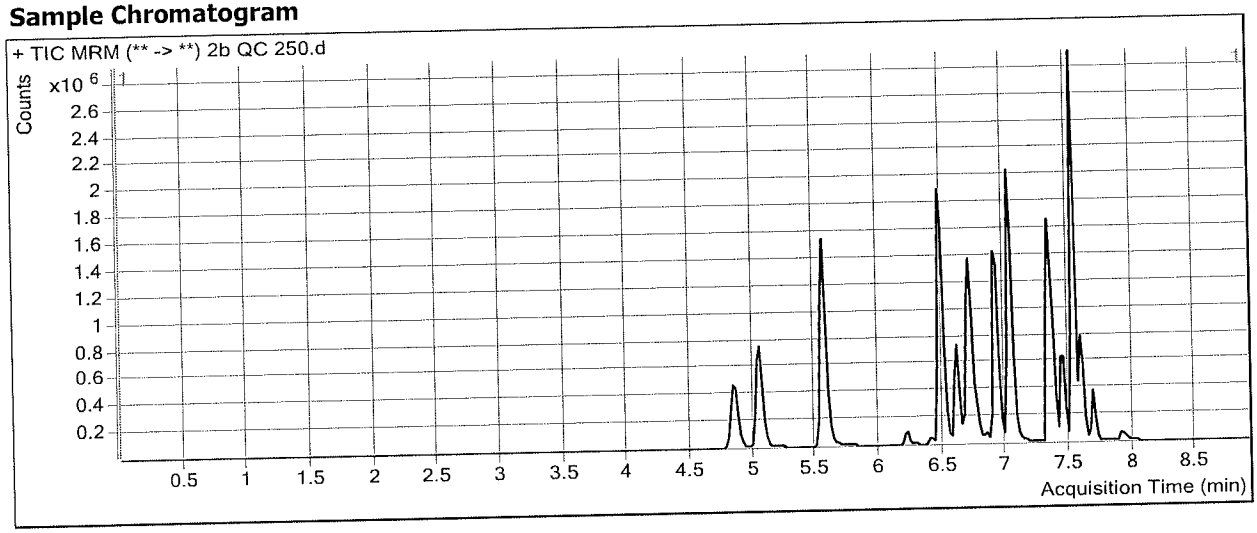
ISP FORENSICS - Cd'A Instrument # 62340
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\121917 mdq p1 and p2\QuantResults\121917 mdq p2b.batch.bin		
Analysis Time	12/21/2017 12:27 PM	**Analyst Name**	ISP Tox
Report Time	12/21/2017 12:27 PM	**Reporter Name**	ISP Tox
Last Calib Update	12/21/2017 12:27 PM	**Batch State**	Processed

Analysis Info

Acq Time	2017-12-20 13:58	**Data File**	2b QC 250.d
Sample Type	QC	**Sample Name**	2b QC 250
Dilution	1	**Acq Method**	MDQ Panel 2b 8-8-17.m
Position	P1-C6	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28 Panel 2

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
MDA	MDA-D5	4.850	1203923	140880	8.5458	255.4524
MDMA	MDMA-D6	5.048	1720057	43343	39.6844	256.0464
MDEA	MDEA-D6	5.548	2012604	445509	4.5175	261.2941
Primidone	Tapentadol-D3	6.215	197187	773691	0.2549	268.5456
Tapentadol	Tapentadol-D3	6.483	4139319	773691	5.3501	253.7962
Meperidine	Meperidine-D4	6.616	1246469	251678	4.9526	247.0062
Normeperidine	Normeperidine-D4	6.703	1245254	174117	7.1518	259.7025
7-aminoflunitrazepam	7-aminoflunitrazepam-D7	6.736	1251863	234255	5.3440	250.9118
Pentazocine	Pentazocine-13C3	6.899	2368593	335361	7.0628	240.2312
Phencyclidine	Phencydlidine-D5	7.028	3164635	634321	4.9890	258.6395
~~Flurazepam~~	~~Flunitrazepam-D7~~	~~7.335~~	~~2293207~~	~~33622~~	~~68.2046~~	~~400.0001~~ Outside curve range
Zaleplon	Zaleplon-D4	7.341	1039599	144388	7.2000	254.6236
Phenytoin	Phenytoin-D10	7.389	70456	15255	4.6186	228.0175
Verapamil	Trimipramine-D3	7.415	1365426	183499	7.4411	249.9394
Amoxapine	Clomipramine-D3	7.500	164072	85813	1.9120	170.7086
Propoxyphene	Propoxyphene-D11	7.517	2089460	103141	20.2584	245.6183
Flunitrazepam	Flunitrazepam-D7	7.520	792299	33622	23.5646	227.0106
Imipramine	Imipramine-D3	7.528	1085208	111203	9.7588	274.6545
Desipramine	Desipramine-D3	7.549	611046	120927	5.0530	249.6622
Trimipramine	Trimipramine-D3	7.586	959735	183499	5.2302	241.6308
Clomipramine	Clomipramine-D3	7.681	371026	85813	4.3236	248.7396
Norpropoxyphene	Norpropoxyphene-D5	7.909	159738	19993	7.9898	246.9771

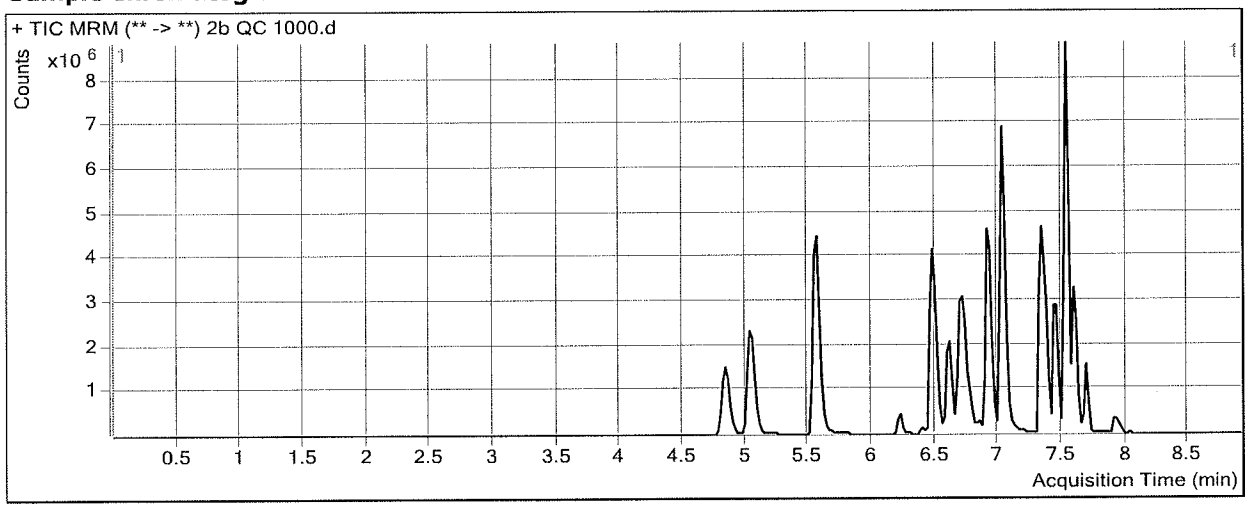
ISP FORENSICS - Cd'A Instrument # 62340
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\121917 mdq p1 and p2\QuantResults\121917 mdq p2b.batch.bin		
Analysis Time	12/21/2017 12:27 PM	**Analyst Name**	ISP Tox
Report Time	12/21/2017 12:27 PM	**Reporter Name**	ISP Tox
Last Calib Update	12/21/2017 12:27 PM	**Batch State**	Processed

Analysis Info

Acq Time	2017-12-20 14:23	**Data File**	2b QC 1000.d
Sample Type	QC	**Sample Name**	2b QC 1000
Dilution	1	**Acq Method**	MDQ Panel 2b 8-8-17.m
Position	P1-D6	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28 Panel 2

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
MDA	MDA-D5	4.830	4159893	125037	33.2693	996.7000
MDMA	MDMA-D6	5.028	6049041	38728	156.1936	1008.3103
MDEA	MDEA-D6	5.548	6838147	390590	17.5072	1011.5289
Primidone	Tapentadol-D3	6.215	888900	540274	1.6453	1731.0739
Tapentadol	Tapentadol-D3	6.483	11457876	540274	21.2075	1005.7503
Meperidine	Meperidine-D4	6.616	4298775	208079	20.6593	1028.6125
Normeperidine	Normeperidine-D4	6.703	3574337	122661	29.1400	1059.8531
7-aminoflunitrazepam	7-aminoflunitrazepam-D7	6.736	3989041	204992	19.4595	914.2941
Pentazocine	Pentazocine-13C3	6.899	8478932	273823	30.9650	1053.0773
Phencyclidine	Phencydlidine-D5	7.028	12204608	599941	20.3430	1053.1472
~~Flurazepam~~	~~Flunitrazepam-D7~~	~~7.335~~	~~9080550~~	~~10312~~	~~880.5656~~	~~5124.1719~~ Outside curve range
Zaleplon	Zaleplon-D4	7.341	2426273	82561	29.3878	1036.9920
~~Phenytoin~~	~~Phenytoin-D10~~	~~7.389~~	~~319147~~	~~14289~~	~~22.3352~~	~~1099.4536~~ outside curve range *
Verapamil	Trimipramine-D3	7.435	6503145	220341	29.5140	994.1863
Amoxapine	Clomipramine-D3	7.500	474514	91866	5.1653	461.3705
Propoxyphene	Propoxyphene-D11	7.517	8612836	109379	78.7432	954.7102
Flunitrazepam	Flunitrazepam-D7	7.520	1162918	10312	112.7713	1079.4836
Imipramine	Imipramine-D3	7.528	4525515	123533	36.6341	1027.9181
Desipramine	Desipramine-D3	7.549	2112011	101629	20.7817	1025.7035
Trimipramine	Trimipramine-D3	7.586	4599181	220341	20.8730	962.3788
Clomipramine	Clomipramine-D3	7.681	1734117	91866	18.8765	1089.3671
Norpropoxyphene	Norpropoxyphene-D5	7.908	906927	25668	35.3332	1084.4445

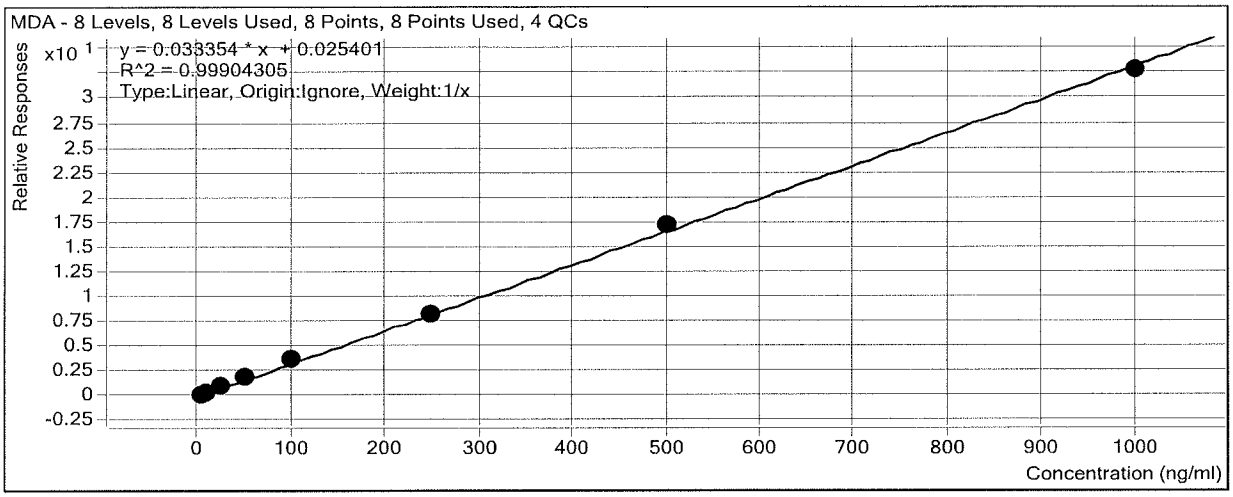
ISP Forensics
Calibration Curve Report

Batch Data Path D:\2017 Data\121917 mdq p1 and p2\QuantResults\121917 mdq p2b.batch.bin

Last Calib Update 12/21/2017 12:27 PM **Analyst Name** ISP TOX

Target Compound *MDA*

Internal Standard *MDA-D5*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2b cal 1-5ng	1	☑	5	4.4	89.0
2b cal 2-10ng	2	☑	10	9.6	95.6
2b QC 10	2	☑	10	9.6	96.3
2b cal 3-25ng	3	☑	25	25.3	101.3
2b cal 4-50ng	4	☑	50	54.0	108.1
2b cal 5-100ng	5	☑	100	106.8	106.8
2b QC 100	5	☑	100	105.1	105.1
2b cal 6-250ng	6	☑	250	246.3	98.5
2b QC 250	6	☑	250	255.5	102.2
2b cal 7-500ng	7	☑	500	513.6	102.7
2b cal 8-1000ng	8	☑	1000	980.0	98.0
2b QC 1000	8	☑	1000	996.7	99.7

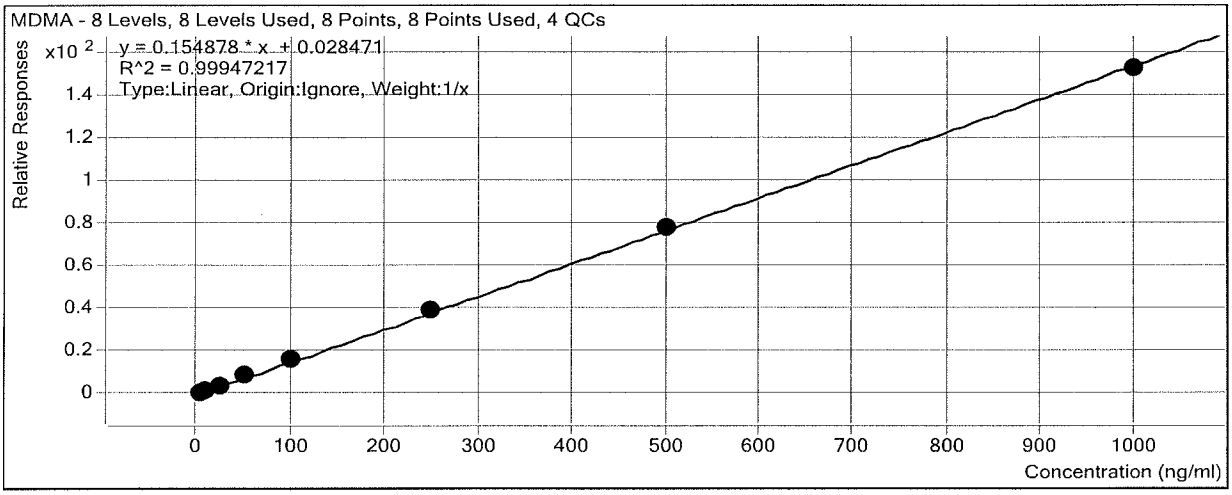
ISP Forensics
Calibration Curve Report

Batch Data Path D:\2017 Data\121917 mdq p1 and p2\QuantResults\121917 mdq p2b.batch.bin

Last Calib Update 12/21/2017 12:27 PM **Analyst Name** ISP TOX

Target Compound *MDMA*

Internal Standard *MDMA-D6*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2b cal 1-5ng	1	☑	5	4.6	92.3
2b cal 2-10ng	2	☑	10	9.7	97.5
2b QC 10	2	☑	10	10.0	99.6
2b cal 3-25ng	3	☑	25	24.4	97.7
2b cal 4-50ng	4	☑	50	53.0	106.1
2b cal 5-100ng	5	☑	100	106.5	106.5
2b QC 100	5	☑	100	102.5	102.5
2b cal 6-250ng	6	☑	250	250.9	100.4
2b QC 250	6	☑	250	256.0	102.4
2b cal 7-500ng	7	☑	500	505.4	101.1
2b cal 8-1000ng	8	☑	1000	985.4	98.5
2b QC 1000	8	☑	1000	1008.3	100.8

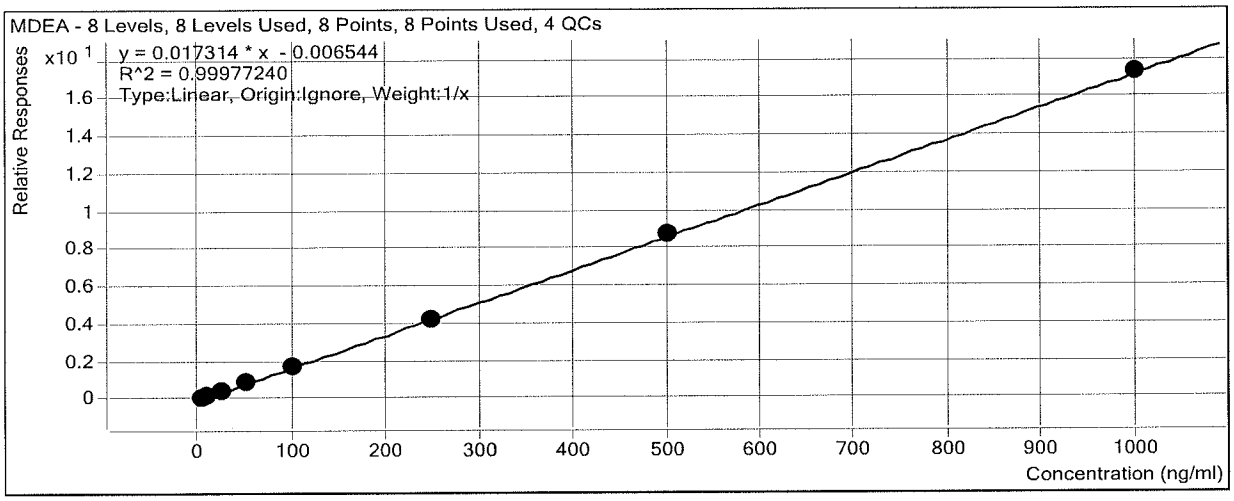
ISP Forensics
Calibration Curve Report

Batch Data Path D:\2017 Data\121917 mdq p1 and p2\QuantResults\121917 mdq p2b.batch.bin

Last Calib Update 12/21/2017 12:27 PM **Analyst Name** ISP TOX

Target Compound *MDEA*

Internal Standard *MDEA-D6*



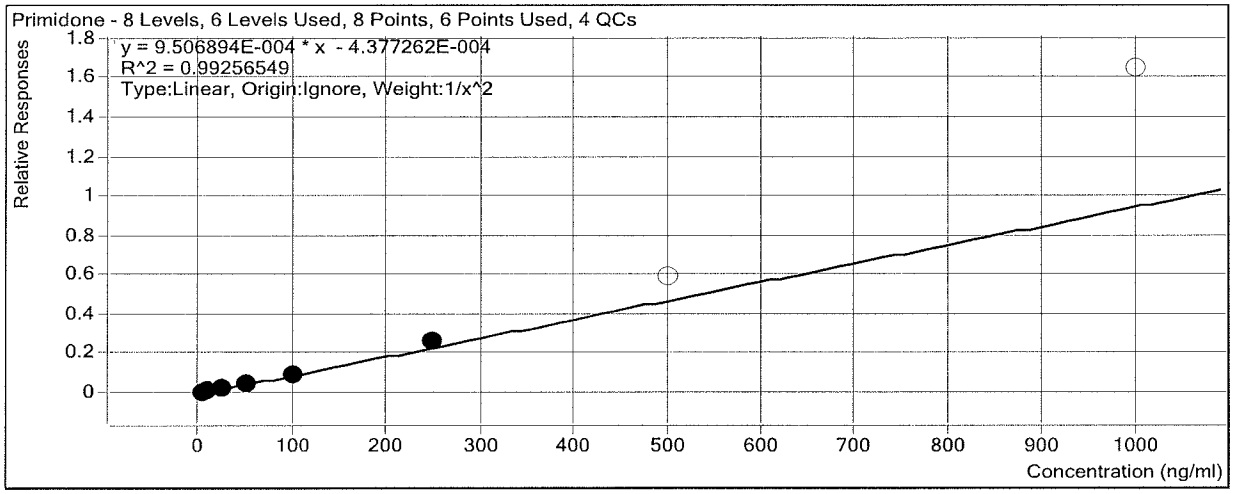
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2b cal 1-5ng	1	☑	5	5.2	103.9
2b cal 2-10ng	2	☑	10	9.9	98.6
2b QC 10	2	☑	10	10.5	104.7
2b cal 3-25ng	3	☑	25	23.8	95.2
2b cal 4-50ng	4	☑	50	51.9	103.8
2b cal 5-100ng	5	☑	100	100.1	100.1
2b QC 100	5	☑	100	103.2	103.2
2b cal 6-250ng	6	☑	250	242.8	97.1
2b QC 250	6	☑	250	261.3	104.5
2b cal 7-500ng	7	☑	500	505.3	101.1
2b cal 8-1000ng	8	☑	1000	1001.0	100.1
2b QC 1000	8	☑	1000	1011.5	101.2

ISP Forensics
Calibration Curve Report

Batch Data Path D:\2017 Data\121917 mdq p1 and p2\QuantResults\121917 mdq p2b.batch.bin

Last Calib Update 12/21/2017 12:27 PM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2b cal 1-5ng	1	☑	5	5.1	102.0
2b cal 2-10ng	2	☑	10	10.0	99.7
2b QC 10	2	☑	10	9.3	92.6
2b cal 3-25ng	3	☑	25	23.2	92.7
2b cal 4-50ng	4	☑	50	46.8	93.7
2b cal 5-100ng	5	☑	100	99.7	99.7
2b QC 100	5	☑	100	94.7	94.7
2b cal 6-250ng	6	☑	250	280.7	112.3
2b QC 250	6	☑	250	268.5	107.4
2b cal 7-500ng	7	☐	500	626.8	125.4
2b cal 8-1000ng	8	☐	1000	1730.9	173.1
2b QC 1000	8	☐	1000	1731.1	173.1

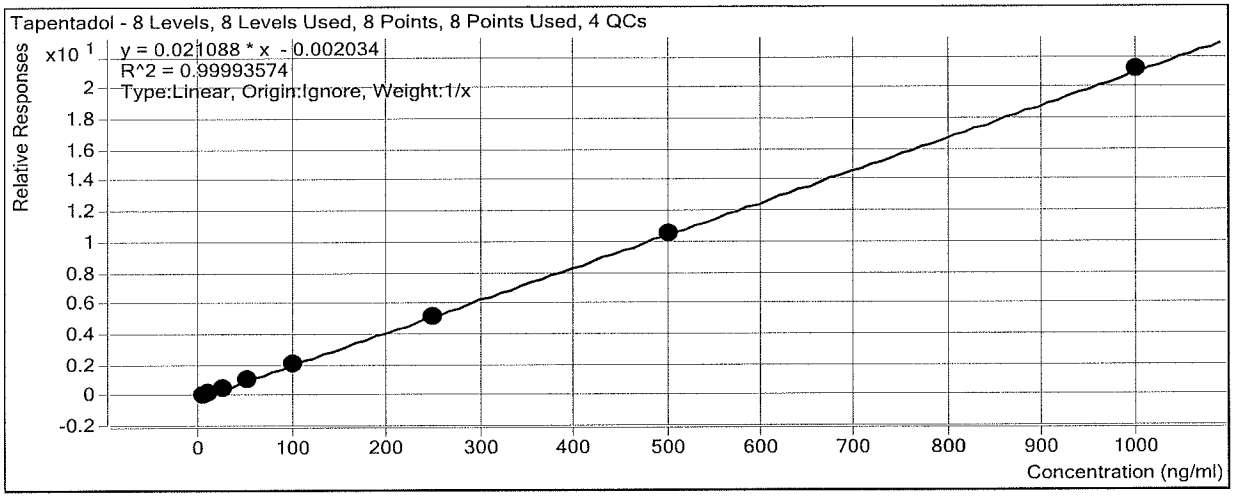
ISP Forensics
Calibration Curve Report

Batch Data Path D:\2017 Data\121917 mdq p1 and p2\QuantResults\121917 mdq p2b.batch.bin

Last Calib Update 12/21/2017 12:27 PM **Analyst Name** ISP TOX

Target Compound *Tapentadol*

Internal Standard *Tapentadol-D3*



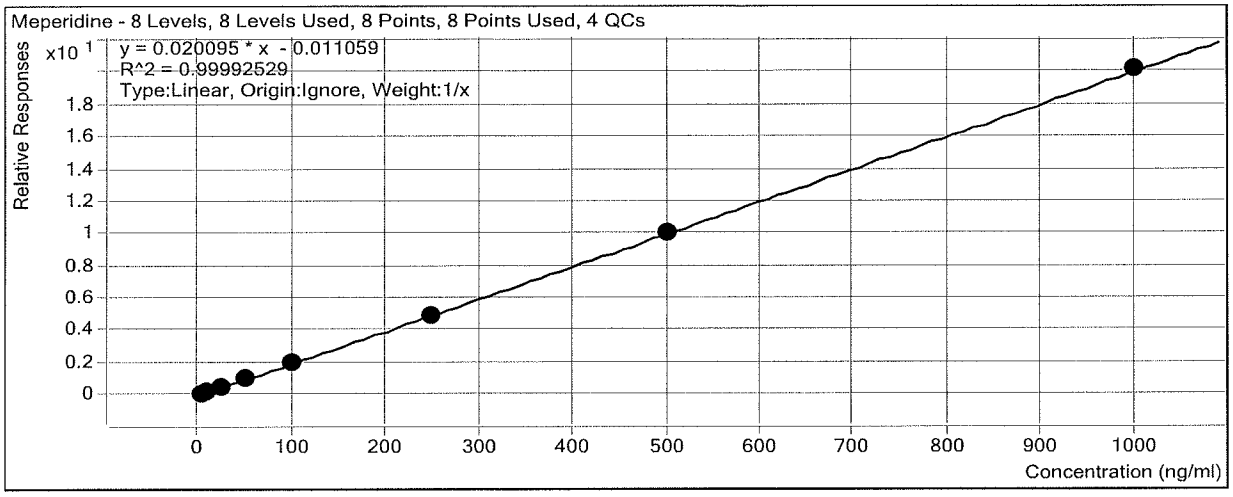
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2b cal 1-5ng	1	☑	5	5.1	101.1
2b cal 2-10ng	2	☑	10	10.0	100.1
2b QC 10	2	☑	10	10.2	102.2
2b cal 3-25ng	3	☑	25	24.4	97.5
2b cal 4-50ng	4	☑	50	51.1	102.2
2b cal 5-100ng	5	☑	100	100.4	100.4
2b QC 100	5	☑	100	101.4	101.4
2b cal 6-250ng	6	☑	250	246.1	98.4
2b QC 250	6	☑	250	253.8	101.5
2b cal 7-500ng	7	☑	500	499.6	99.9
2b cal 8-1000ng	8	☑	1000	1003.4	100.3
2b QC 1000	8	☑	1000	1005.8	100.6

ISP Forensics
Calibration Curve Report

Batch Data Path D:\2017 Data\121917 mdq p1 and p2\QuantResults\121917 mdq p2b.batch.bin

Last Calib Update 12/21/2017 12:27 PM **Analyst Name** ISP TOX

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



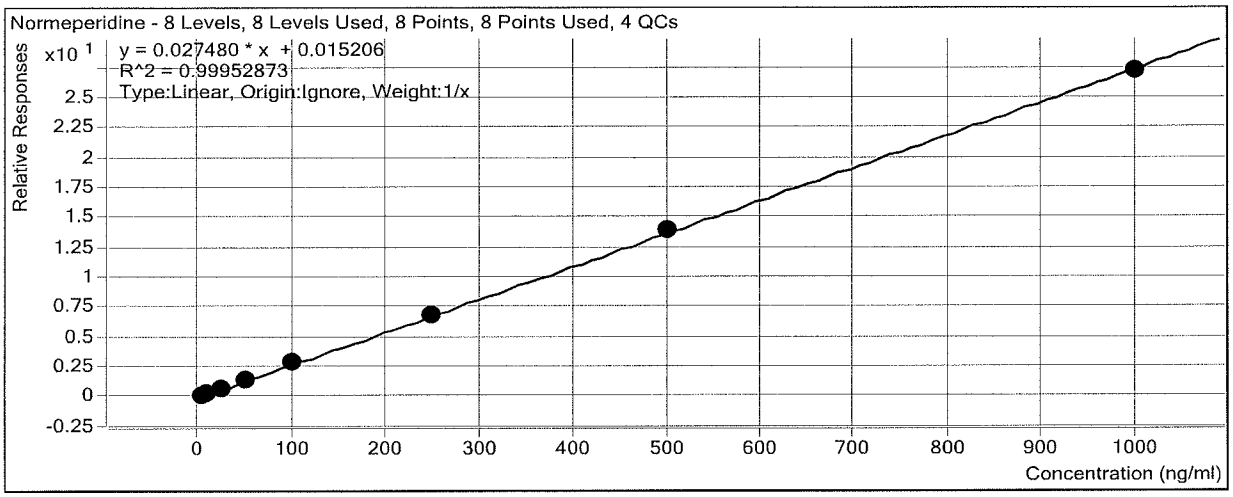
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2b cal 1-5ng	1	☑	5	5.2	103.7
2b cal 2-10ng	2	☑	10	10.3	103.1
2b QC 10	2	☑	10	10.3	103.1
2b cal 3-25ng	3	☑	25	24.0	95.8
2b cal 4-50ng	4	☑	50	49.3	98.7
2b cal 5-100ng	5	☑	100	99.2	99.2
2b QC 100	5	☑	100	102.1	102.1
2b cal 6-250ng	6	☑	250	246.9	98.8
2b QC 250	6	☑	250	247.0	98.8
2b cal 7-500ng	7	☑	500	502.4	100.5
2b cal 8-1000ng	8	☑	1000	1002.7	100.3
2b QC 1000	8	☑	1000	1028.6	102.9

ISP Forensics
Calibration Curve Report

Batch Data Path D:\2017 Data\121917 mdq p1 and p2\QuantResults\121917 mdq p2b.batch.bin

Last Calib Update 12/21/2017 12:27 PM **Analyst Name** ISP TOX

Target Compound *Normeperidine*
Internal Standard *Normeperidine-D4*



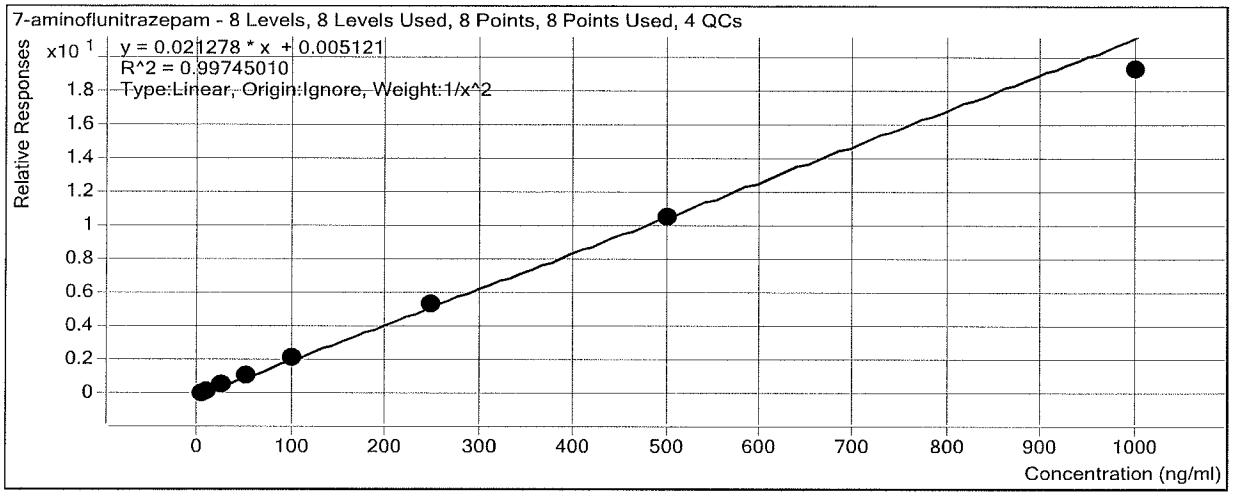
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2b cal 1-5ng	1	☑	5	4.7	93.5
2b cal 2-10ng	2	☑	10	9.5	95.5
2b QC 10	2	☑	10	10.4	103.7
2b cal 3-25ng	3	☑	25	24.9	99.6
2b cal 4-50ng	4	☑	50	52.7	105.4
2b cal 5-100ng	5	☑	100	107.0	107.0
2b QC 100	5	☑	100	104.5	104.5
2b cal 6-250ng	6	☑	250	248.6	99.5
2b QC 250	6	☑	250	259.7	103.9
2b cal 7-500ng	7	☑	500	503.7	100.7
2b cal 8-1000ng	8	☑	1000	988.9	98.9
2b QC 1000	8	☑	1000	1059.9	106.0

ISP Forensics
Calibration Curve Report

Batch Data Path D:\2017 Data\121917 mdq p1 and p2\QuantResults\121917 mdq p2b.batch.bin

Last Calib Update 12/21/2017 12:27 PM **Analyst Name** ISP TOX

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



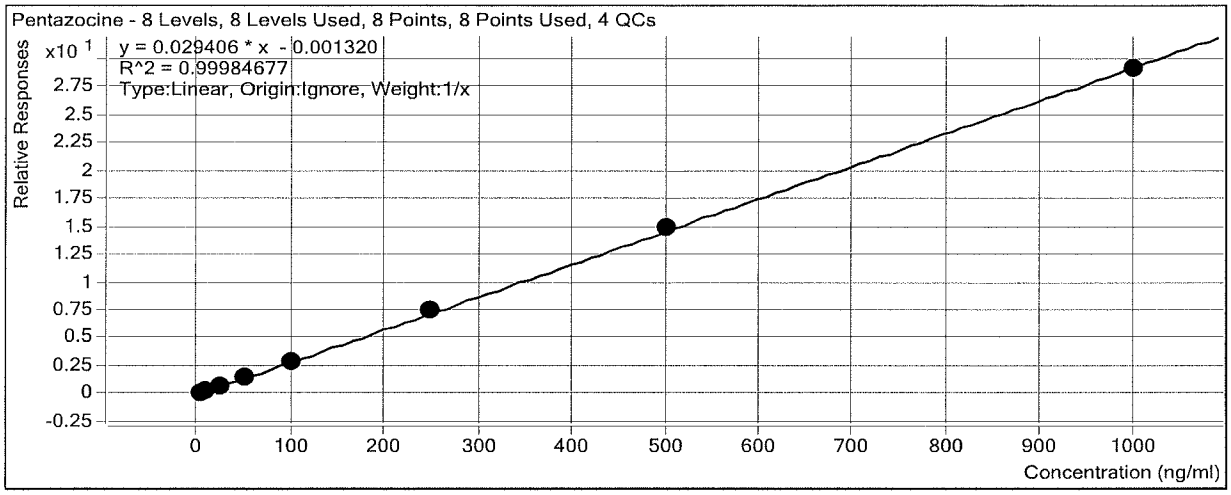
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2b cal 1-5ng	1	☑	5	5.0	99.8
2b cal 2-10ng	2	☑	10	9.8	98.3
2b QC 10	2	☑	10	9.6	95.6
2b cal 3-25ng	3	☑	25	25.6	102.4
2b cal 4-50ng	4	☑	50	52.1	104.2
2b cal 5-100ng	5	☑	100	104.3	104.3
2b QC 100	5	☑	100	98.6	98.6
2b cal 6-250ng	6	☑	250	253.2	101.3
2b QC 250	6	☑	250	250.9	100.4
2b cal 7-500ng	7	☑	500	494.8	99.0
2b cal 8-1000ng	8	☑	1000	907.0	90.7
2b QC 1000	8	☑	1000	914.3	91.4

ISP Forensics
Calibration Curve Report

Batch Data Path D:\2017 Data\121917 mdq p1 and p2\QuantResults\121917 mdq p2b.batch.bin

Last Calib Update 12/21/2017 12:27 PM **Analyst Name** ISP TOX

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



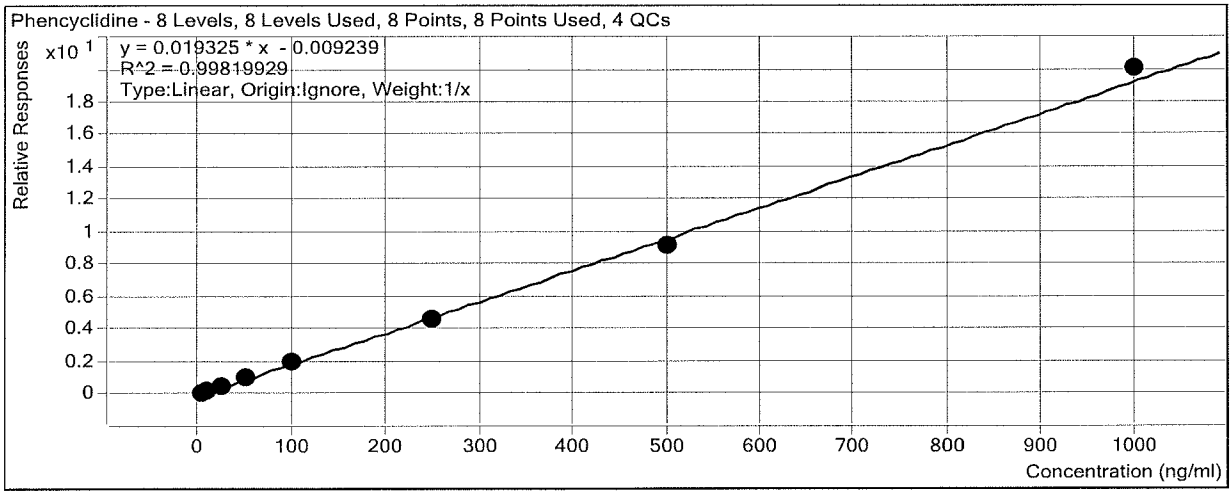
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2b cal 1-5ng	1	☑	5	5.0	100.9
2b cal 2-10ng	2	☑	10	10.0	99.5
2b QC 10	2	☑	10	10.0	99.6
2b cal 3-25ng	3	☑	25	24.7	98.6
2b cal 4-50ng	4	☑	50	49.7	99.4
2b cal 5-100ng	5	☑	100	99.5	99.5
2b QC 100	5	☑	100	102.6	102.6
2b cal 6-250ng	6	☑	250	254.0	101.6
2b QC 250	6	☑	250	240.2	96.1
2b cal 7-500ng	7	☑	500	507.1	101.4
2b cal 8-1000ng	8	☑	1000	990.1	99.0
2b QC 1000	8	☑	1000	1053.1	105.3

ISP Forensics
Calibration Curve Report

Batch Data Path D:\2017 Data\121917 mdq p1 and p2\QuantResults\121917 mdq p2b.batch.bin

Last Calib Update 12/21/2017 12:27 PM **Analyst Name** ISP TOX

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



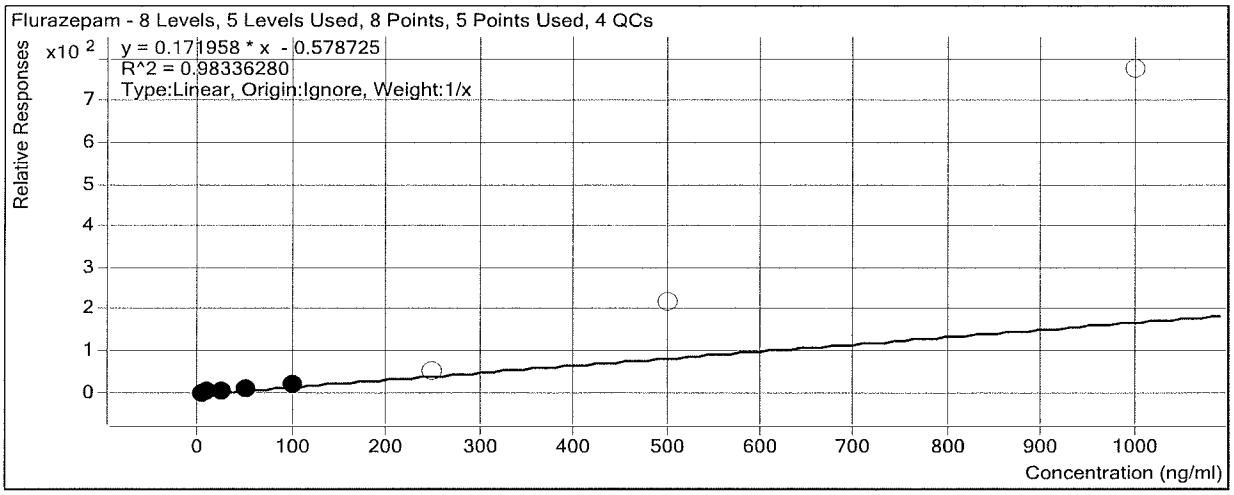
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2b cal 1-5ng	1	☑	5	5.2	104.2
2b cal 2-10ng	2	☑	10	10.3	103.1
2b QC 10	2	☑	10	10.8	108.1
2b cal 3-25ng	3	☑	25	24.2	96.8
2b cal 4-50ng	4	☑	50	51.0	101.9
2b cal 5-100ng	5	☑	100	100.1	100.1
2b QC 100	5	☑	100	107.4	107.4
2b cal 6-250ng	6	☑	250	238.1	95.2
2b QC 250	6	☑	250	258.6	103.5
2b cal 7-500ng	7	☑	500	475.0	95.0
2b cal 8-1000ng	8	☑	1000	1036.1	103.6
2b QC 1000	8	☑	1000	1053.1	105.3

ISP Forensics
Calibration Curve Report

Batch Data Path D:\2017 Data\121917 mdq p1 and p2\QuantResults\121917 mdq p2b.batch.bin

Last Calib Update 12/21/2017 12:27 PM **Analyst Name** ISP TOX

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



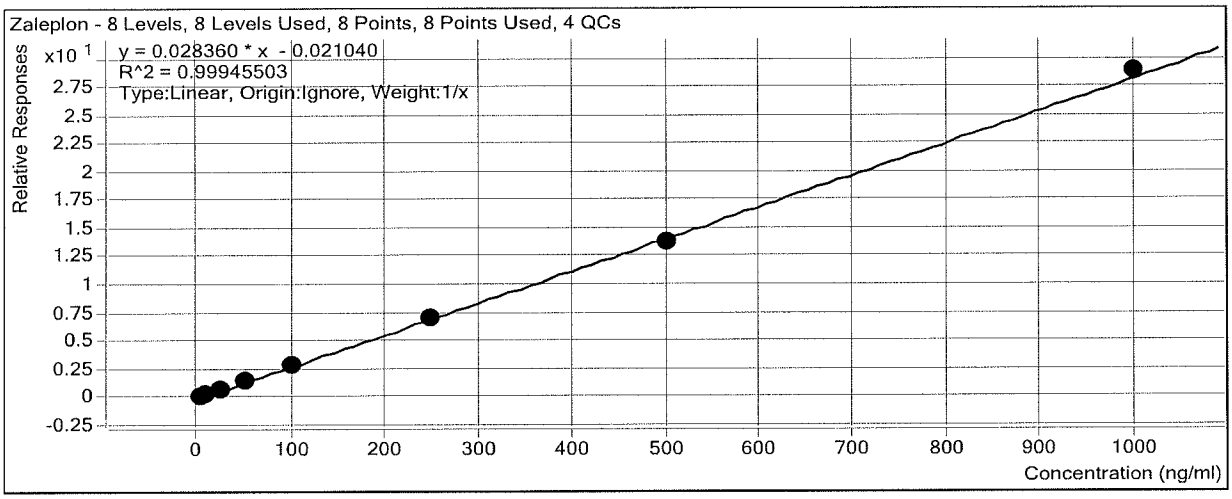
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2b cal 1-5ng	1	☑	5	6.3	126.1
2b cal 2-10ng	2	☑	10	9.2	91.7
2b QC 10	2	☑	10	9.6	96.2
2b cal 3-25ng	3	☑	25	20.3	81.2
2b cal 4-50ng	4	☑	50	46.7	93.4
2b cal 5-100ng	5	☑	100	107.5	107.5
2b QC 100	5	☑	100	93.3	93.3
2b cal 6-250ng	6	☐	250	319.6	127.8
2b QC 250	6	☐	250	400.0	160.0
2b cal 7-500ng	7	☐	500	1288.3	257.7
2b cal 8-1000ng	8	☐	1000	4508.3	450.8
2b QC 1000	8	☐	1000	5124.2	512.4

ISP Forensics
Calibration Curve Report

Batch Data Path D:\2017 Data\121917 mdq p1 and p2\QuantResults\121917 mdq p2b.batch.bin

Last Calib Update 12/21/2017 12:27 PM **Analyst Name** ISP TOX

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



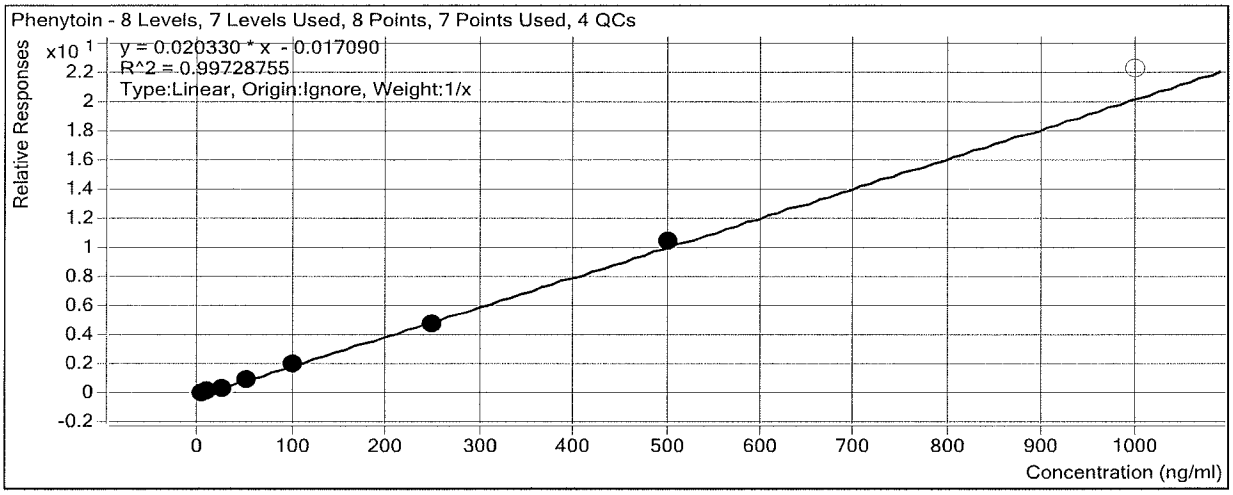
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2b cal 1-5ng	1	☑	5	5.5	109.6
2b cal 2-10ng	2	☑	10	10.6	106.2
2b QC 10	2	☑	10	10.5	104.6
2b cal 3-25ng	3	☑	25	22.6	90.3
2b cal 4-50ng	4	☑	50	48.8	97.7
2b cal 5-100ng	5	☑	100	97.4	97.4
2b QC 100	5	☑	100	101.7	101.7
2b cal 6-250ng	6	☑	250	248.0	99.2
2b QC 250	6	☑	250	254.6	101.8
2b cal 7-500ng	7	☑	500	489.5	97.9
2b cal 8-1000ng	8	☑	1000	1017.7	101.8
2b QC 1000	8	☑	1000	1037.0	103.7

ISP Forensics
Calibration Curve Report

Batch Data Path D:\2017 Data\121917 mdq p1 and p2\QuantResults\121917 mdq p2b.batch.bin

Last Calib Update 12/21/2017 12:27 PM **Analyst Name** ISP TOX

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



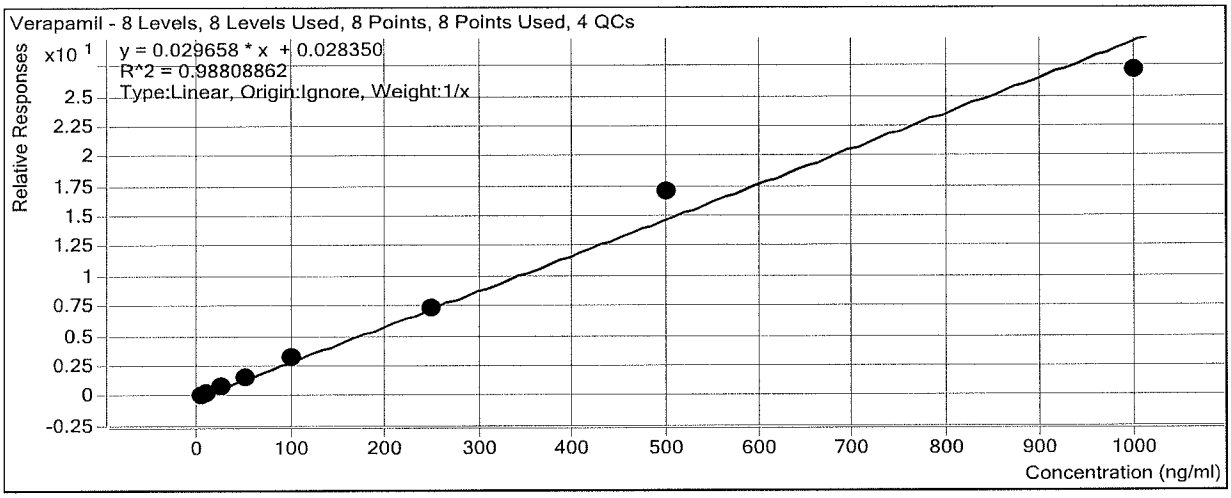
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2b cal 1-5ng	1	☑	5	6.2	123.1
2b cal 2-10ng	2	☑	10	10.1	100.8
2b QC 10	2	☑	10	9.1	91.0
2b cal 3-25ng	3	☑	25	20.5	81.9
2b cal 4-50ng	4	☑	50	46.9	93.7
2b cal 5-100ng	5	☑	100	101.6	101.6
2b QC 100	5	☑	100	99.1	99.1
2b cal 6-250ng	6	☑	250	239.6	95.8
2b QC 250	6	☑	250	228.0	91.2
2b cal 7-500ng	7	☑	500	515.3	103.1
2b cal 8-1000ng	8	☐	1000	1096.1	109.6
2b QC 1000	8	☑	1000	1099.5	109.9

ISP Forensics
Calibration Curve Report

Batch Data Path D:\2017 Data\121917 mdq p1 and p2\QuantResults\121917 mdq p2b.batch.bin

Last Calib Update 12/21/2017 12:27 PM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2b cal 1-5ng	1	☑	5	4.5	90.9
2b cal 2-10ng	2	☑	10	8.9	89.2
2b QC 10	2	☑	10	10.7	107.3
2b cal 3-25ng	3	☑	25	24.9	99.7
2b cal 4-50ng	4	☑	50	51.1	102.2
2b cal 5-100ng	5	☑	100	111.6	111.6
2b QC 100	5	☑	100	102.6	102.6
2b cal 6-250ng	6	☑	250	249.3	99.7
2b QC 250	6	☑	250	249.9	100.0
2b cal 7-500ng	7	☑	500	577.7	115.5
2b cal 8-1000ng	8	☑	1000	912.0	91.2
2b QC 1000	8	☑	1000	994.2	99.4

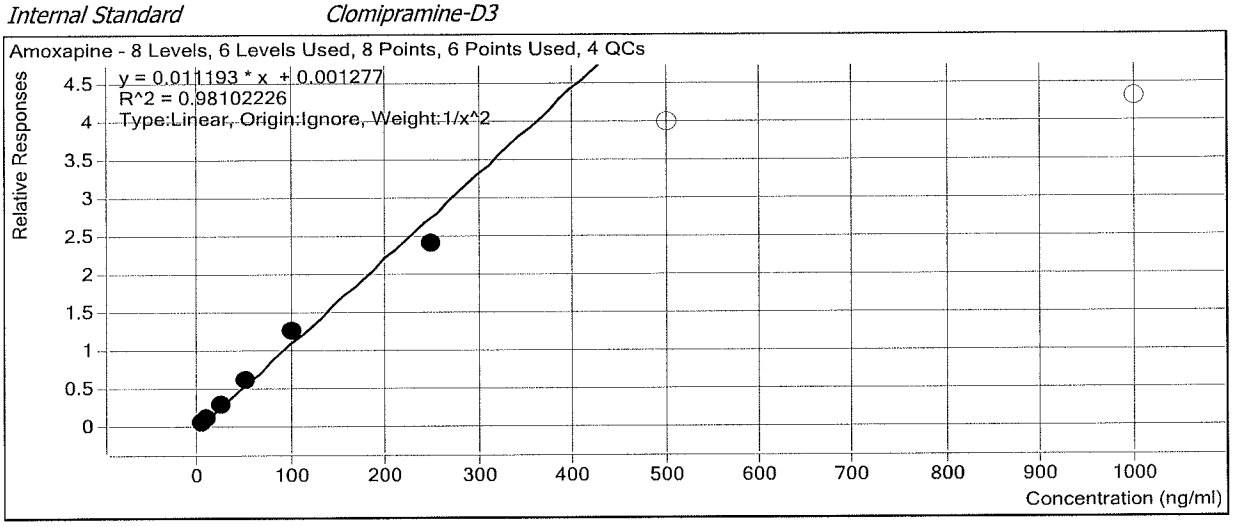
ISP Forensics
Calibration Curve Report

Batch Data Path D:\2017 Data\121917 mdq p1 and p2\QuantResults\121917 mdq p2b.batch.bin

Last Calib Update 12/21/2017 12:27 PM **Analyst Name** ISP TOX

Target Compound *Amoxapine*

Internal Standard *Clomipramine-D3*



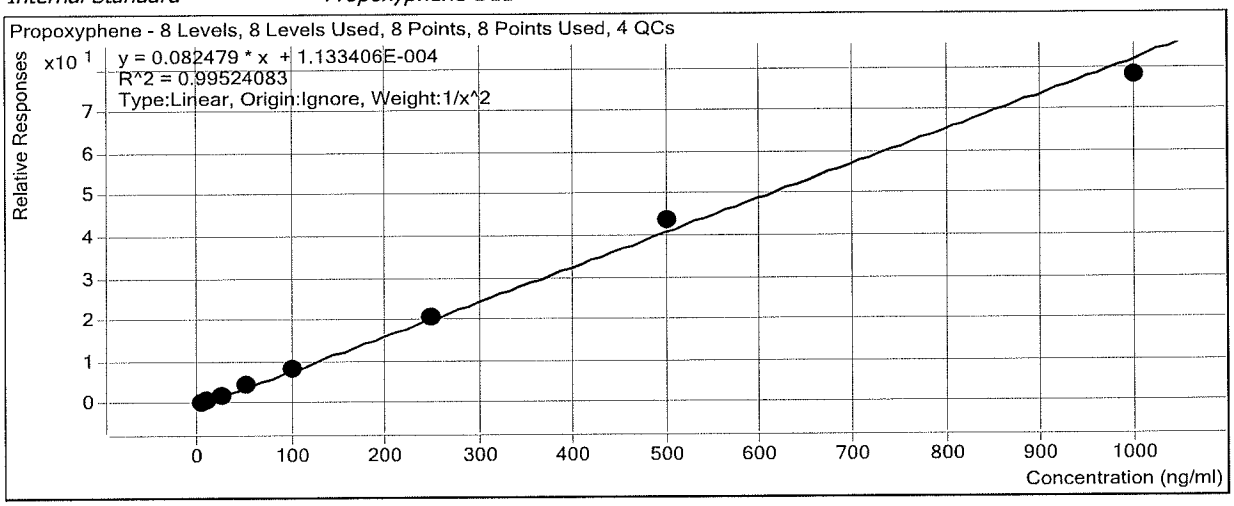
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2b cal 1-5ng	1	☑	5	5.3	105.5
2b cal 2-10ng	2	☑	10	8.5	85.4
2b QC 10	2	☑	10	10.3	102.7
2b cal 3-25ng	3	☑	25	26.1	104.4
2b cal 4-50ng	4	☑	50	53.0	105.9
2b cal 5-100ng	5	☑	100	112.5	112.5
2b QC 100	5	☑	100	79.5	79.5
2b cal 6-250ng	6	☑	250	215.8	86.3
2b QC 250	6	☐	250	170.7	68.3
2b cal 7-500ng	7	☐	500	357.0	71.4
2b cal 8-1000ng	8	☐	1000	384.8	38.5
2b QC 1000	8	☐	1000	461.4	46.1

ISP Forensics
Calibration Curve Report

Batch Data Path D:\2017 Data\121917 mdq p1 and p2\QuantResults\121917 mdq p2b.batch.bin

Last Calib Update 12/21/2017 12:27 PM **Analyst Name** ISP TOX

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



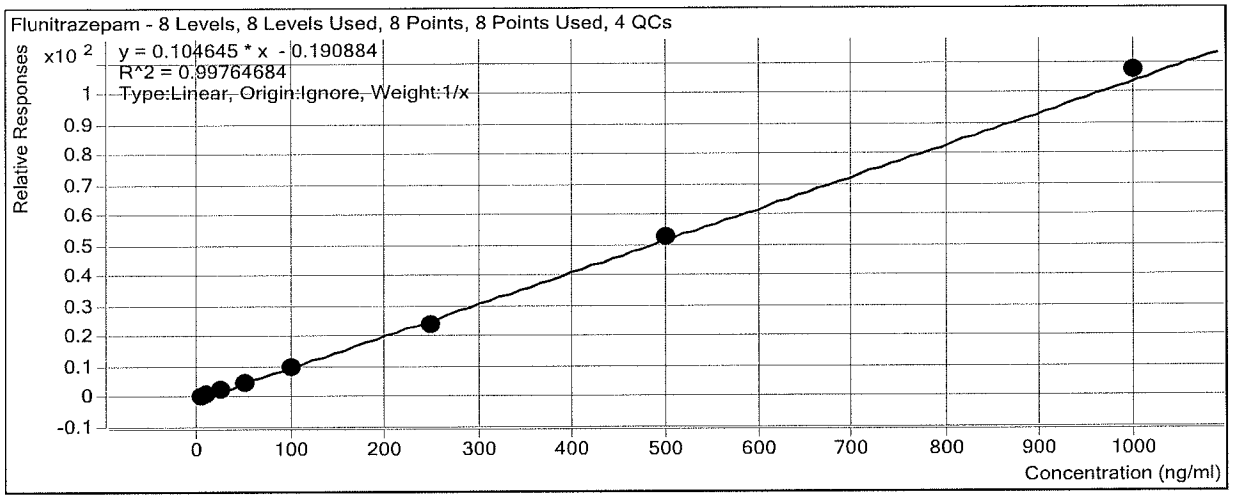
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2b cal 1-5ng	1	☑	5	5.2	104.3
2b cal 2-10ng	2	☑	10	9.0	89.8
2b QC 10	2	☑	10	9.6	95.8
2b cal 3-25ng	3	☑	25	25.2	100.7
2b cal 4-50ng	4	☑	50	54.0	107.9
2b cal 5-100ng	5	☑	100	98.5	98.5
2b QC 100	5	☑	100	99.7	99.7
2b cal 6-250ng	6	☑	250	246.9	98.8
2b QC 250	6	☑	250	245.6	98.2
2b cal 7-500ng	7	☑	500	528.2	105.6
2b cal 8-1000ng	8	☑	1000	944.6	94.5
2b QC 1000	8	☑	1000	954.7	95.5

ISP Forensics
Calibration Curve Report

Batch Data Path D:\2017 Data\121917 mdq p1 and p2\QuantResults\121917 mdq p2b.batch.bin

Last Calib Update 12/21/2017 12:27 PM **Analyst Name** ISP TOX

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



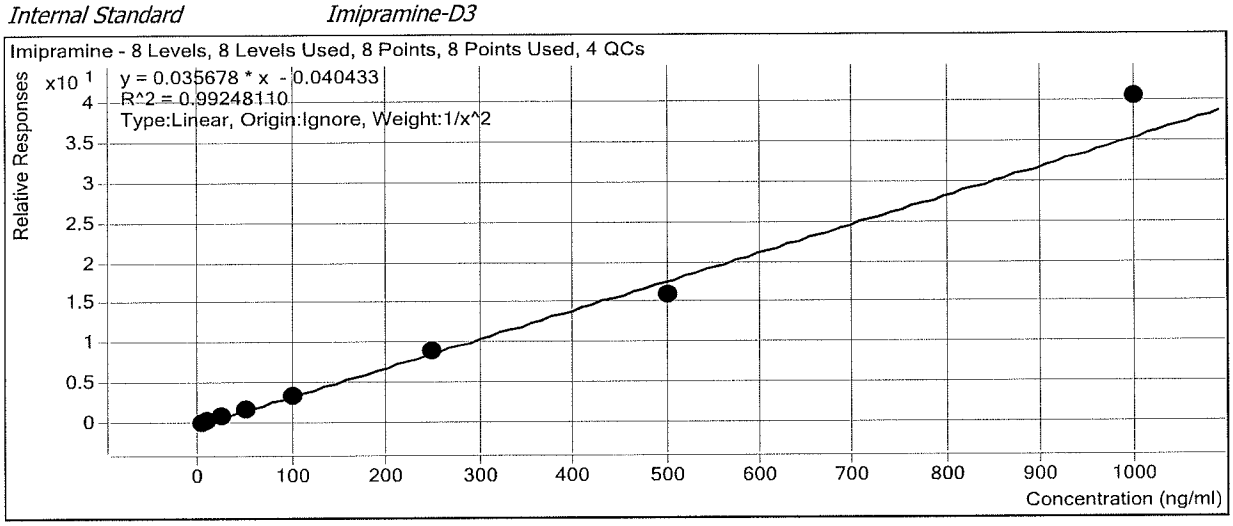
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2b cal 1-5ng	1	☑	5	6.3	125.2
2b cal 2-10ng	2	☑	10	10.2	102.4
2b QC 10	2	☑	10	10.0	100.1
2b cal 3-25ng	3	☑	25	24.2	96.7
2b cal 4-50ng	4	☑	50	43.2	86.5
2b cal 5-100ng	5	☑	100	93.5	93.5
2b QC 100	5	☑	100	81.7	81.7
2b cal 6-250ng	6	☑	250	229.5	91.8
2b QC 250	6	☑	250	227.0	90.8
2b cal 7-500ng	7	☑	500	506.0	101.2
2b cal 8-1000ng	8	☑	1000	1027.1	102.7
2b QC 1000	8	☑	1000	1079.5	107.9

ISP Forensics
Calibration Curve Report

Batch Data Path D:\2017 Data\121917 mdq p1 and p2\QuantResults\121917 mdq p2b.batch.bin

Last Calib Update 12/21/2017 12:27 PM **Analyst Name** ISP TOX

Target Compound *Imipramine*
Internal Standard *Imipramine-D3*



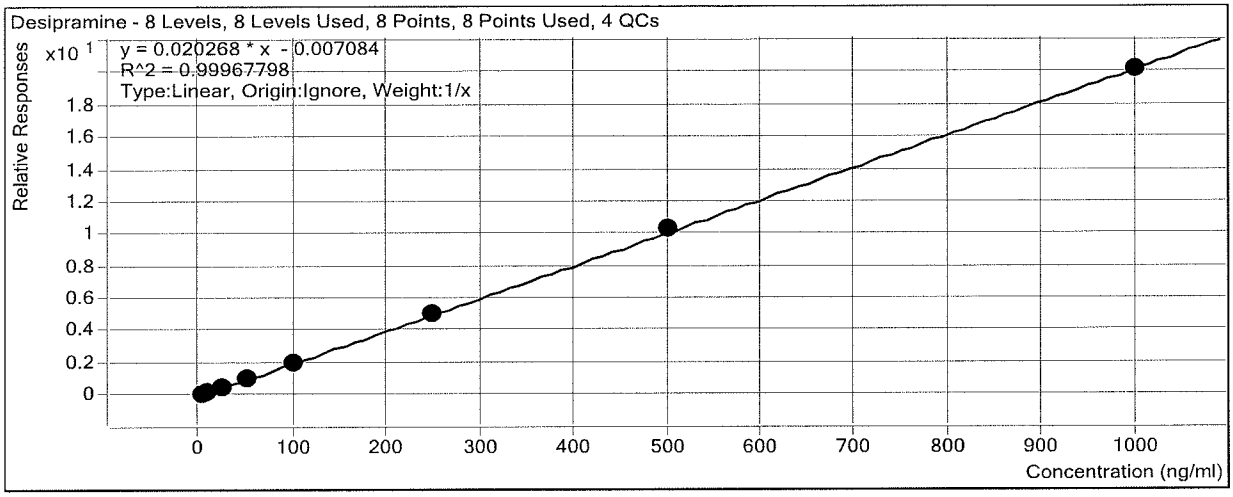
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2b cal 1-5ng	1	☑	5	5.2	104.5
2b cal 2-10ng	2	☑	10	9.1	91.0
2b QC 10	2	☑	10	10.2	102.2
2b cal 3-25ng	3	☑	25	24.7	98.7
2b cal 4-50ng	4	☑	50	51.7	103.4
2b cal 5-100ng	5	☑	100	97.4	97.4
2b QC 100	5	☑	100	98.4	98.4
2b cal 6-250ng	6	☑	250	253.1	101.2
2b QC 250	6	☑	250	274.7	109.9
2b cal 7-500ng	7	☑	500	451.2	90.2
2b cal 8-1000ng	8	☑	1000	1134.8	113.5
2b QC 1000	8	☑	1000	1027.9	102.8

ISP Forensics
Calibration Curve Report

Batch Data Path D:\2017 Data\121917 mdq p1 and p2\QuantResults\121917 mdq p2b.batch.bin

Last Calib Update 12/21/2017 12:27 PM **Analyst Name** ISP TOX

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



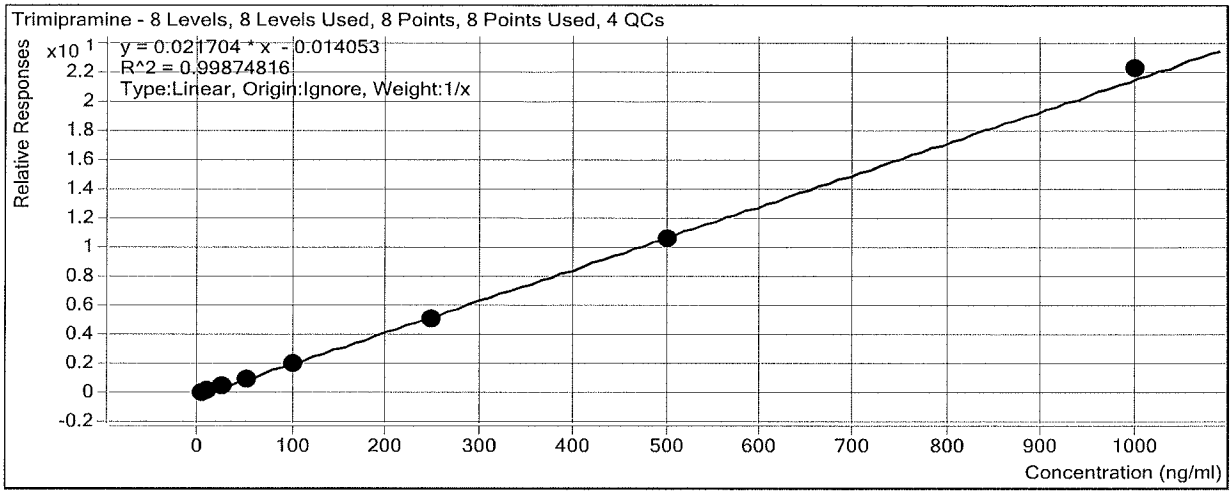
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2b cal 1-5ng	1	☑	5	5.1	101.1
2b cal 2-10ng	2	☑	10	10.7	106.5
2b QC 10	2	☑	10	9.9	98.5
2b cal 3-25ng	3	☑	25	23.7	94.7
2b cal 4-50ng	4	☑	50	49.8	99.7
2b cal 5-100ng	5	☑	100	96.8	96.8
2b QC 100	5	☑	100	95.8	95.8
2b cal 6-250ng	6	☑	250	248.3	99.3
2b QC 250	6	☑	250	249.7	99.9
2b cal 7-500ng	7	☑	500	512.3	102.5
2b cal 8-1000ng	8	☑	1000	993.4	99.3
2b QC 1000	8	☑	1000	1025.7	102.6

ISP Forensics
Calibration Curve Report

Batch Data Path D:\2017 Data\121917 mdq p1 and p2\QuantResults\121917 mdq p2b.batch.bin

Last Calib Update 12/21/2017 12:27 PM **Analyst Name** ISP TOX

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



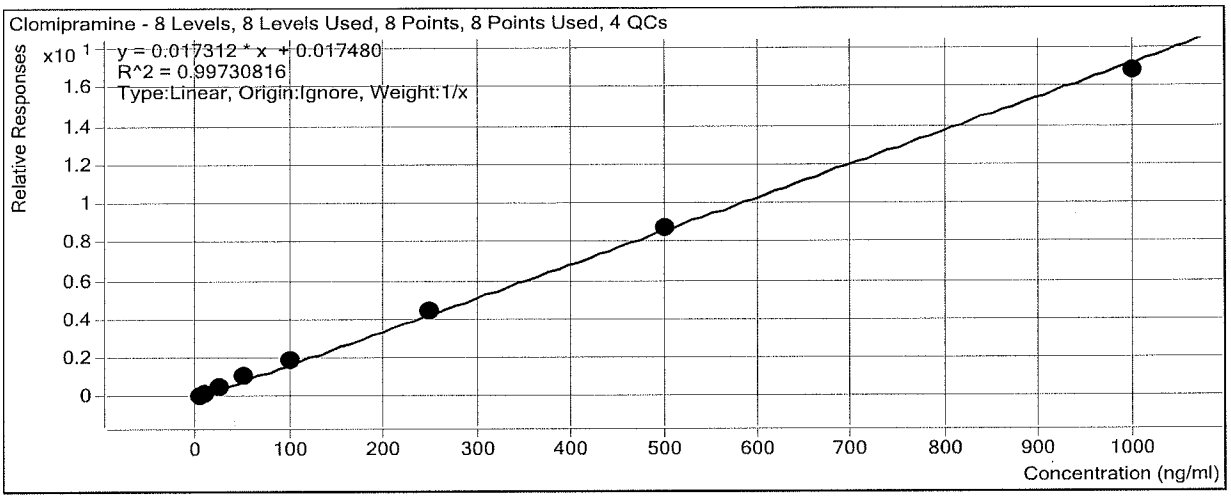
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2b cal 1-5ng	1	☑	5	6.1	122.0
2b cal 2-10ng	2	☑	10	9.4	94.3
2b QC 10	2	☑	10	10.9	108.8
2b cal 3-25ng	3	☑	25	24.2	96.7
2b cal 4-50ng	4	☑	50	47.4	94.7
2b cal 5-100ng	5	☑	100	96.7	96.7
2b QC 100	5	☑	100	96.9	96.9
2b cal 6-250ng	6	☑	250	235.9	94.3
2b QC 250	6	☑	250	241.6	96.7
2b cal 7-500ng	7	☑	500	492.8	98.6
2b cal 8-1000ng	8	☑	1000	1027.6	102.8
2b QC 1000	8	☑	1000	962.4	96.2

ISP Forensics
Calibration Curve Report

Batch Data Path D:\2017 Data\121917 mdq p1 and p2\QuantResults\121917 mdq p2b.batch.bin

Last Calib Update 12/21/2017 12:27 PM **Analyst Name** ISP TOX

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



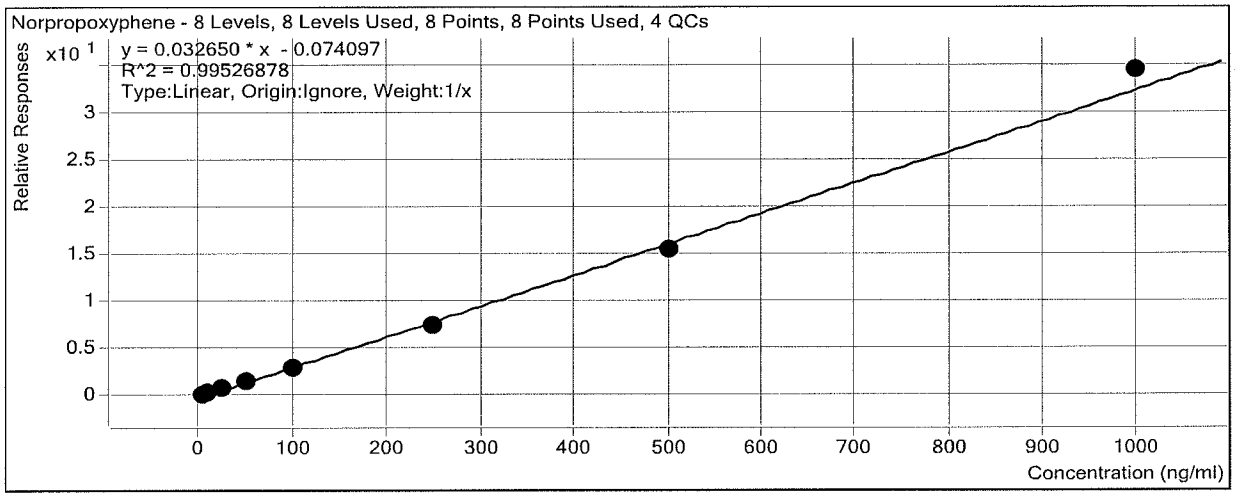
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2b cal 1-5ng	1	☑	5	4.2	83.5
2b cal 2-10ng	2	☑	10	8.3	83.0
2b QC 10	2	☑	10	9.8	98.4
2b cal 3-25ng	3	☑	25	25.5	102.0
2b cal 4-50ng	4	☑	50	59.7	119.4
2b cal 5-100ng	5	☑	100	111.7	111.7
2b QC 100	5	☑	100	96.7	96.7
2b cal 6-250ng	6	☑	250	256.0	102.4
2b QC 250	6	☑	250	248.7	99.5
2b cal 7-500ng	7	☑	500	504.7	100.9
2b cal 8-1000ng	8	☑	1000	969.9	97.0
2b QC 1000	8	☑	1000	1089.4	108.9

ISP Forensics
Calibration Curve Report

Batch Data Path D:\2017 Data\121917 mdq p1 and p2\QuantResults\121917 mdq p2b.batch.bin

Last Calib Update 12/21/2017 12:27 PM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2b cal 1-5ng	1	☑	5	6.7	133.6
2b cal 2-10ng	2	☑	10	10.5	104.6
2b QC 10	2	☑	10	11.6	116.5
2b cal 3-25ng	3	☑	25	22.0	87.9
2b cal 4-50ng	4	☑	50	44.2	88.4
2b cal 5-100ng	5	☑	100	93.2	93.2
2b QC 100	5	☑	100	93.7	93.7
2b cal 6-250ng	6	☑	250	227.6	91.1
2b QC 250	6	☑	250	247.0	98.8
2b cal 7-500ng	7	☑	500	478.0	95.6
2b cal 8-1000ng	8	☑	1000	1057.9	105.8
2b QC 1000	8	☑	1000	1084.4	108.4

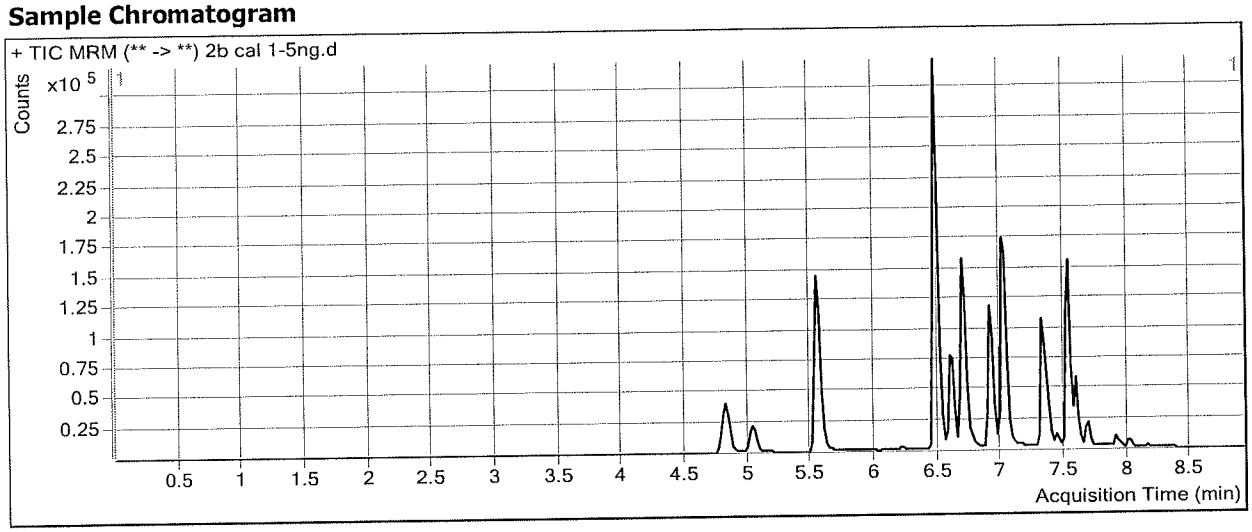
ISP FORENSICS - Cd'A Instrument # 62340
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\121917 mdq p1 and p2\QuantResults\121917 mdq p2b.batch.bin		
Analysis Time	12/21/2017 12:27 PM	**Analyst Name**	ISP Tox
Report Time	12/21/2017 12:27 PM	**Reporter Name**	ISP Tox
Last Calib Update	12/21/2017 12:27 PM	**Batch State**	Processed

Analysis Info

Acq Time	2017-12-20 05:29	**Data File**	2b cal 1-5ng.d
Sample Type	Calibration	**Sample Name**	2b cal 1-5ng
Dilution	1	**Acq Method**	MDQ Panel 2b 8-8-17.m
Position	P1-A5	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28 Panel 2

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
MDA	MDA-D5	4.830	24818	142820	0.1738	4.4482
MDMA	MDMA-D6	5.048	30147	40557	0.7433	4.6156
MDEA	MDEA-D6	5.548	34896	418448	0.0834	5.1945
Primidone	Tapentadol-D3	6.195	3800	861114	0.0044	5.1021
Tapentadol	Tapentadol-D3	6.483	90045	861114	0.1046	5.0550
Meperidine	Meperidine-D4	6.616	20589	221104	0.0931	5.1842
Normeperidine	Normeperidine-D4	6.703	23101	160782	0.1437	4.6753
7-aminoflunitrazepam	7-aminoflunitrazepam-D7	6.716	27723	249194	0.1113	4.9878
Pentazocine	Pentazocine-13C3	6.899	39932	271579	0.1470	5.0452
Phencyclidine	Phencydlidine-D5	7.028	44915	491038	0.0915	5.2112
Flurazepam	Flunitrazepam-D7	7.335	33129	65517	0.5056	6.3060
Zaleplon	Zaleplon-D4	7.321	25692	191172	0.1344	5.4808
Phenytoin	Phenytoin-D10	7.389	1598	14792	0.1080	6.1553
Verapamil	Trimipramine-D3	7.415	15055	92289	0.1631	4.5446
Amoxapine	Clomipramine-D3	7.500	2532	41979	0.0603	5.2741
Propoxyphene	Propoxyphene-D11	7.517	29194	67885	0.4300	5.2127
Flunitrazepam	Flunitrazepam-D7	7.520	30416	65517	0.4642	6.2604
Imipramine	Imipramine-D3	7.528	11119	76123	0.1461	5.2273
Desipramine	Desipramine-D3	7.529	7121	74635	0.0954	5.0571
Trimipramine	Trimipramine-D3	7.586	10923	92289	0.1184	6.1006
Clomipramine	Clomipramine-D3	7.681	3768	41979	0.0898	4.1753
Norpropoxyphene	Norpropoxyphene-D5	7.909	2266	15739	0.1439	6.6781

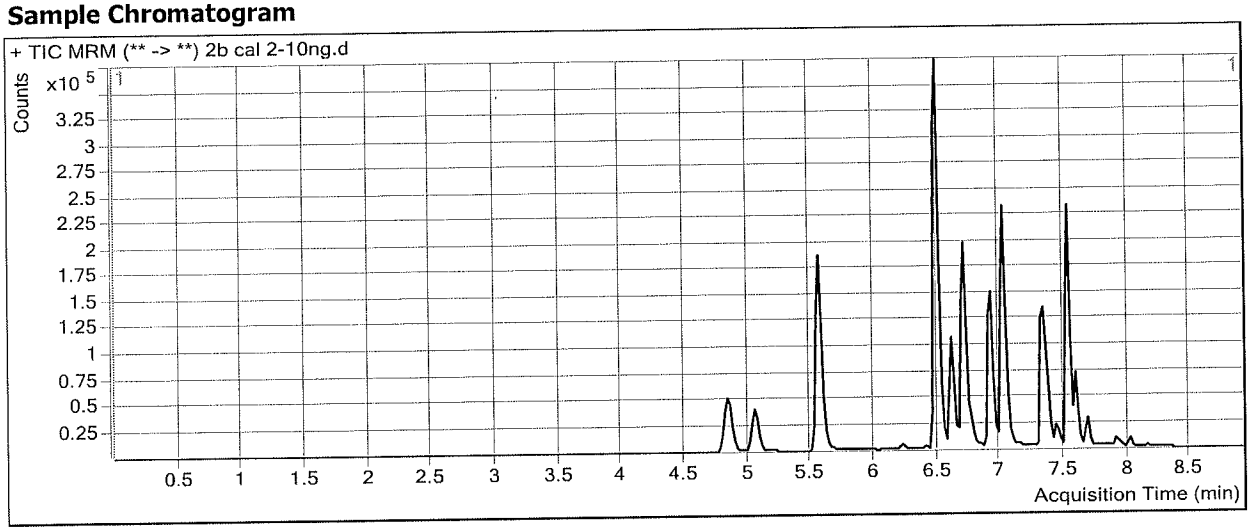
ISP FORENSICS - Cd'A Instrument # 62340
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\121917 mdq p1 and p2\QuantResults\121917 mdq p2b.batch.bin		
Analysis Time	12/21/2017 12:27 PM	**Analyst Name**	ISP Tox
Report Time	12/21/2017 12:27 PM	**Reporter Name**	ISP Tox
Last Calib Update	12/21/2017 12:27 PM	**Batch State**	Processed

Analysis Info

Acq Time	2017-12-20 05:54	**Data File**	2b cal 2-10ng.d
Sample Type	Calibration	**Sample Name**	2b cal 2-10ng
Dilution	1	**Acq Method**	MDQ Panel 2b 8-8-17.m
Position	P1-B5	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28 Panel 2

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
MDA	MDA-D5	4.850	53938	156613	0.3444	9.5641
MDMA	MDMA-D6	5.048	70132	45604	1.5378	9.7454
MDEA	MDEA-D6	5.548	77299	470654	0.1642	9.8636
Primidone	Tapentadol-D3	6.215	8572	948670	0.0090	9.9653
Tapentadol	Tapentadol-D3	6.503	198385	948670	0.2091	10.0128
Meperidine	Meperidine-D4	6.616	47534	242342	0.1961	10.3111
Normeperidine	Normeperidine-D4	6.724	50626	182373	0.2776	9.5484
7-aminoflunitrazepam	7-aminoflunitrazepam-D7	6.736	58583	273407	0.2143	9.8294
Pentazocine	Pentazocine-13C3	6.919	89025	305561	0.2913	9.9529
Phencyclidine	Phencydlidine-D5	7.028	101059	531878	0.1900	10.3100
Flurazepam	Flunitrazepam-D7	7.335	72848	72937	0.9988	9.1737
Zaleplon	Zaleplon-D4	7.341	58928	210455	0.2800	10.6152
Phenytoin	Phenytoin-D10	7.389	3016	16066	0.1878	10.0760
Verapamil	Trimipramine-D3	7.415	32700	111672	0.2928	8.9173
Amoxapine	Clomipramine-D3	7.500	4487	46326	0.0969	8.5405
Propoxyphene	Propoxyphene-D11	7.517	57322	77404	0.7406	8.9773
Flunitrazepam	Flunitrazepam-D7	7.520	64251	72937	0.8809	10.2422
Imipramine	Imipramine-D3	7.528	24170	84997	0.2844	9.1033
Desipramine	Desipramine-D3	7.529	17033	81551	0.2089	10.6548
Trimipramine	Trimipramine-D3	7.586	21284	111672	0.1906	9.4292
Clomipramine	Clomipramine-D3	7.681	7470	46326	0.1612	8.3044
Norpropoxyphene	Norpropoxyphene-D5	7.909	4661	17433	0.2673	10.4573

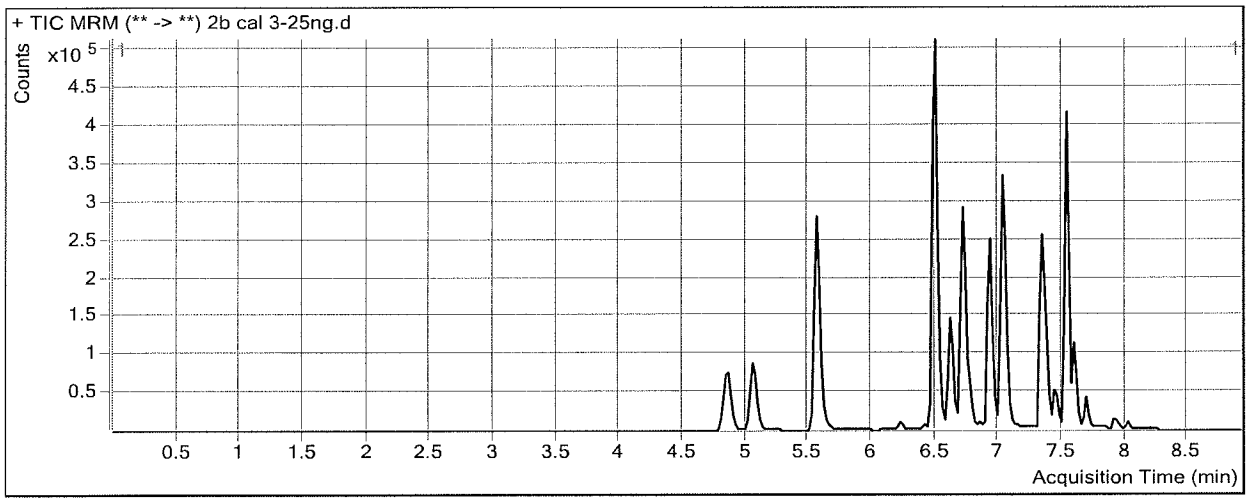
ISP FORENSICS - Cd'A Instrument # 62340
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\121917 mdq p1 and p2\QuantResults\121917 mdq p2b.batch.bin		
Analysis Time	12/21/2017 12:27 PM	**Analyst Name**	ISP Tox
Report Time	12/21/2017 12:27 PM	**Reporter Name**	ISP Tox
Last Calib Update	12/21/2017 12:27 PM	**Batch State**	Processed

Analysis Info

Acq Time	2017-12-20 06:20	**Data File**	2b cal 3-25ng.d
Sample Type	Calibration	**Sample Name**	2b cal 3-25ng
Dilution	1	**Acq Method**	MDQ Panel 2b 8-8-17.m
Position	P1-C5	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28 Panel 2

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
MDA	MDA-D5	4.850	137342	157840	0.8701	25.3264
MDMA	MDMA-D6	5.048	176457	46314	3.8100	24.4162
MDEA	MDEA-D6	5.568	195566	482023	0.4057	23.8108
Primidone	Tapentadol-D3	6.215	20748	961207	0.0216	23.1659
Tapentadol	Tapentadol-D3	6.503	492104	961207	0.5120	24.3737
Meperidine	Meperidine-D4	6.616	120518	256198	0.4704	23.9591
Normeperidine	Normeperidine-D4	6.724	128822	184235	0.6992	24.8915
7-aminoflunitrazepam	7-aminoflunitrazepam-D7	6.736	151219	274919	0.5500	25.6099
Pentazocine	Pentazocine-13C3	6.919	230879	319044	0.7237	24.6545
Phencyclidine	Phencydlidine-D5	7.048	265845	580098	0.4583	24.1920
Flurazepam	Flunitrazepam-D7	7.335	191703	65817	2.9127	20.3038
Zaleplon	Zaleplon-D4	7.341	133959	216293	0.6193	22.5806
Phenytoin	Phenytoin-D10	7.389	7177	17970	0.3994	20.4869
Verapamil	Trimipramine-D3	7.415	96129	125221	0.7677	24.9282
Amoxapine	Clomipramine-D3	7.500	13053	44507	0.2933	26.0892
Propoxyphene	Propoxyphene-D11	7.517	168302	81046	2.0766	25.1765
Flunitrazepam	Flunitrazepam-D7	7.520	153958	65817	2.3392	24.1777
Imipramine	Imipramine-D3	7.528	71560	85228	0.8396	24.6667
Desipramine	Desipramine-D3	7.549	44075	93231	0.4728	23.6749
Trimipramine	Trimipramine-D3	7.586	63914	125221	0.5104	24.1648
Clomipramine	Clomipramine-D3	7.681	20429	44507	0.4590	25.5042
Norpropoxyphene	Norpropoxyphene-D5	7.909	12722	19780	0.6432	21.9689

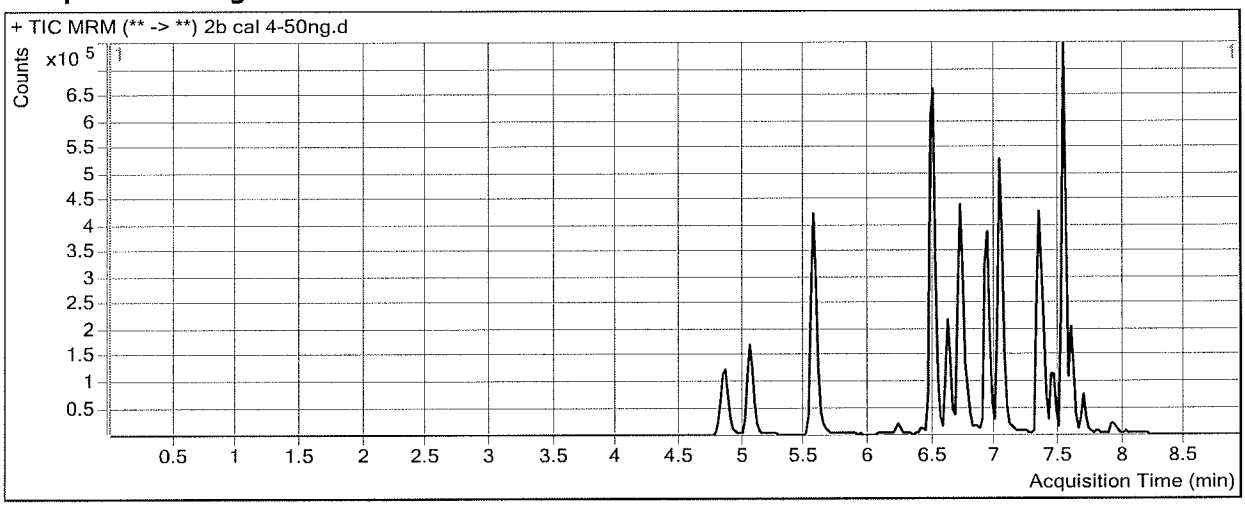
ISP FORENSICS - Cd'A Instrument # 62340
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\121917 mdq p1 and p2\QuantResults\121917 mdq p2b.batch.bin		
Analysis Time	12/21/2017 12:27 PM	**Analyst Name**	ISP Tox
Report Time	12/21/2017 12:27 PM	**Reporter Name**	ISP Tox
Last Calib Update	12/21/2017 12:27 PM	**Batch State**	Processed

Analysis Info

Acq Time	2017-12-20 06:45	**Data File**	2b cal 4-50ng.d
Sample Type	Calibration	**Sample Name**	2b cal 4-50ng
Dilution	1	**Acq Method**	MDQ Panel 2b 8-8-17.m
Position	P1-D5	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28 Panel 2

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
MDA	MDA-D5	4.850	264847	144913	1.8276	54.0333
MDMA	MDMA-D6	5.048	359862	43658	8.2427	53.0370
MDEA	MDEA-D6	5.548	407978	457340	0.8921	51.9003
Primidone	Tapentadol-D3	6.215	39951	905915	0.0441	46.8476
Tapentadol	Tapentadol-D3	6.503	974120	905915	1.0753	51.0863
Meperidine	Meperidine-D4	6.616	248543	253477	0.9805	49.3442
Normeperidine	Normeperidine-D4	6.724	273973	187276	1.4629	52.6829
7-aminoflunitrazepam	7-aminoflunitrazepam-D7	6.736	286508	257154	1.1141	52.1209
Pentazocine	Pentazocine-13C3	6.919	482704	330499	1.4605	49.7134
Phencyclidine	Phencydlidine-D5	7.028	571272	585539	0.9756	50.9631
Flurazepam	Flunitrazepam-D7	7.335	429546	57630	7.4535	46.7105
Zaleplon	Zaleplon-D4	7.341	257341	188624	1.3643	48.8490
Phenytoin	Phenytoin-D10	7.389	14695	15705	0.9357	46.8649
Verapamil	Trimipramine-D3	7.435	241889	156679	1.5439	51.0992
Amoxapine	Clomipramine-D3	7.500	30842	51923	0.5940	52.9552
Propoxyphene	Propoxyphene-D11	7.517	399283	89724	4.4501	53.9537
Flunitrazepam	Flunitrazepam-D7	7.520	249790	57630	4.3344	43.2441
Imipramine	Imipramine-D3	7.528	176050	97603	1.8037	51.6889
Desipramine	Desipramine-D3	7.549	113478	113164	1.0028	49.8255
Trimipramine	Trimipramine-D3	7.586	158833	156679	1.0137	47.3563
Clomipramine	Clomipramine-D3	7.681	54581	51923	1.0512	59.7118
Norpropoxyphene	Norpropoxyphene-D5	7.908	29434	21511	1.3684	44.1790

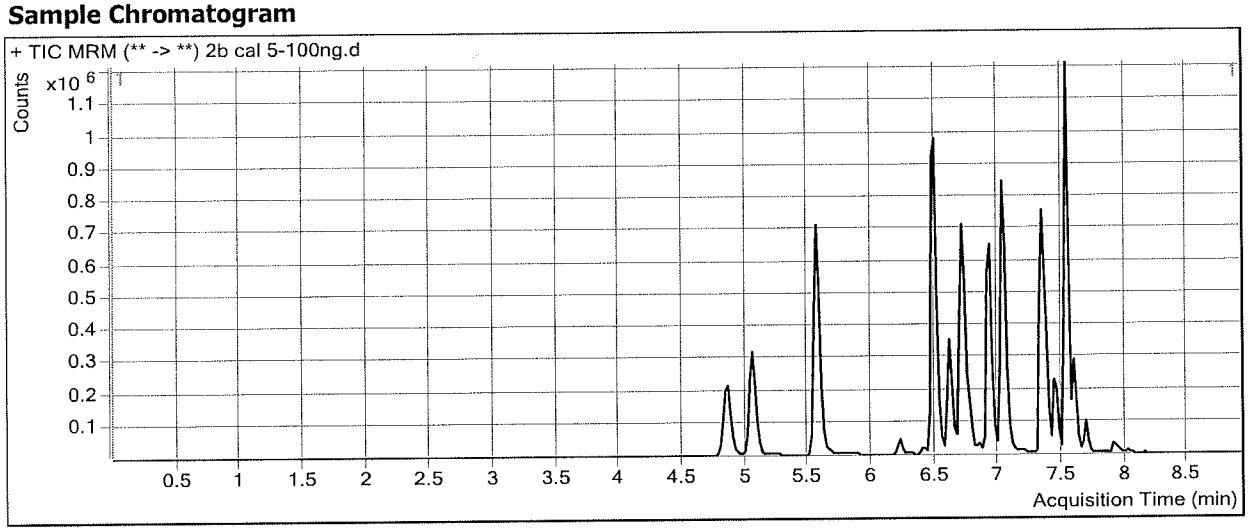
ISP FORENSICS - Cd'A Instrument # 62340
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\121917 mdq p1 and p2\QuantResults\121917 mdq p2b.batch.bin		
Analysis Time	12/21/2017 12:27 PM	**Analyst Name**	ISP Tox
Report Time	12/21/2017 12:27 PM	**Reporter Name**	ISP Tox
Last Calib Update	12/21/2017 12:27 PM	**Batch State**	Processed

Analysis Info

Acq Time	2017-12-20 07:11	**Data File**	2b cal 5-100ng.d
Sample Type	Calibration	**Sample Name**	2b cal 5-100ng
Dilution	1	**Acq Method**	MDQ Panel 2b 8-8-17.m
Position	P1-E5	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28 Panel 2

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
MDA	MDA-D5	4.850	511805	142651	3.5878	106.8065
MDMA	MDMA-D6	5.048	730431	44196	16.5272	106.5269
MDEA	MDEA-D6	5.548	792989	459047	1.7275	100.1499
Primidone	Tapentadol-D3	6.215	82514	874749	0.0943	99.6821
Tapentadol	Tapentadol-D3	6.503	1850377	874749	2.1153	100.4044
Meperidine	Meperidine-D4	6.616	492119	248352	1.9815	99.1570
Normeperidine	Normeperidine-D4	6.724	519913	175918	2.9554	106.9950
7-aminoflunitrazepam	7-aminoflunitrazepam-D7	6.736	572083	257097	2.2252	104.3353
Pentazocine	Pentazocine-13C3	6.919	935386	319801	2.9249	99.5127
Phencyclidine	Phencydlidine-D5	7.028	1115316	579040	1.9261	100.1484
Flurazepam	Flunitrazepam-D7	7.335	880969	49195	17.9078	107.5059
Zaleplon	Zaleplon-D4	7.341	496521	181196	2.7402	97.3659
Phenytoin	Phenytoin-D10	7.389	32604	15921	2.0478	101.5689
Verapamil	Trimipramine-D3	7.415	435378	130438	3.3378	111.5874
Amoxapine	Clomipramine-D3	7.500	52600	41718	1.2608	112.5346
Propoxyphene	Propoxyphene-D11	7.517	728610	89704	8.1223	98.4768
Flunitrazepam	Flunitrazepam-D7	7.520	471687	49195	9.5882	93.4501
Imipramine	Imipramine-D3	7.528	293607	85469	3.4352	97.4169
Desipramine	Desipramine-D3	7.549	182994	93570	1.9557	96.8421
Trimipramine	Trimipramine-D3	7.586	271784	130438	2.0836	96.6514
Clomipramine	Clomipramine-D3	7.681	81372	41718	1.9505	111.6599
Norpropoxyphene	Norpropoxyphene-D5	7.909	55674	18755	2.9685	93.1880

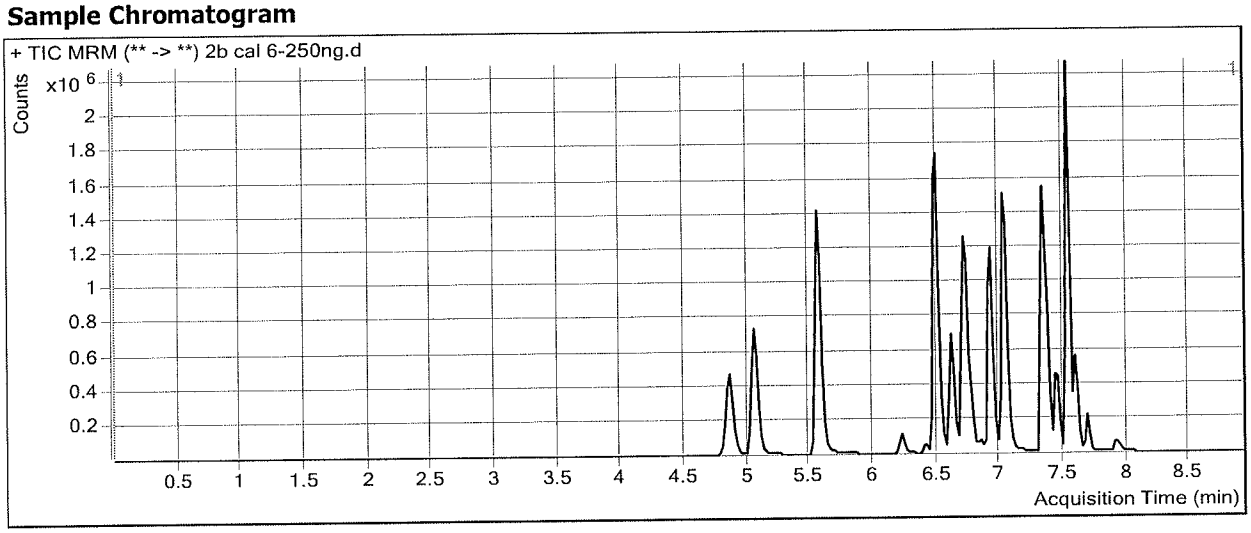
ISP FORENSICS - Cd'A Instrument # 62340
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\121917 mdq p1 and p2\QuantResults\121917 mdq p2b.batch.bin		
Analysis Time	12/21/2017 12:27 PM	**Analyst Name**	ISP Tox
Report Time	12/21/2017 12:27 PM	**Reporter Name**	ISP Tox
Last Calib Update	12/21/2017 12:27 PM	**Batch State**	Processed

Analysis Info

Acq Time	2017-12-20 07:36	**Data File**	2b cal 6-250ng.d
Sample Type	Calibration	**Sample Name**	2b cal 6-250ng
Dilution	1	**Acq Method**	MDQ Panel 2b 8-8-17.m
Position	P1-F5	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28 Panel 2

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
MDA	MDA-D5	4.850	1172172	142269	8.2391	246.2592
MDMA	MDMA-D6	5.048	1671410	42985	38.8836	250.8759
MDEA	MDEA-D6	5.548	1849030	440520	4.1974	242.8028
Primidone	Tapentadol-D3	6.215	203671	764577	0.2664	280.6609
Tapentadol	Tapentadol-D3	6.503	3966572	764577	5.1879	246.1064
Meperidine	Meperidine-D4	6.616	1171188	236555	4.9510	246.9258
Normeperidine	Normeperidine-D4	6.724	1038375	151637	6.8477	248.6367
7-aminoflunitrazepam	7-aminoflunitrazepam-D7	6.736	1323306	245417	5.3921	253.1702
Pentazocine	Pentazocine-13C3	6.919	1945791	260596	7.4667	253.9667
Phencyclidine	Phencydlidine-D5	7.028	2384975	519448	4.5914	238.0624
Flurazepam	Flunitrazepam-D7	7.335	1926462	35427	54.3783	319.5947
Zaleplon	Zaleplon-D4	7.341	1074299	153231	7.0110	247.9582
Phenytoin	Phenytoin-D10	7.389	81463	16783	4.8539	239.5922
Verapamil	Trimipramine-D3	7.415	961090	129513	7.4208	249.2556
Amoxapine	Clomipramine-D3	7.500	117116	48467	2.4164	215.7770
Propoxyphene	Propoxyphene-D11	7.517	1529850	75110	20.3681	246.9488
Flunitrazepam	Flunitrazepam-D7	7.520	844158	35427	23.8281	229.5286
Imipramine	Imipramine-D3	7.528	740344	82351	8.9901	253.1091
Desipramine	Desipramine-D3	7.549	429692	85497	5.0258	248.3186
Trimipramine	Trimipramine-D3	7.586	661178	129513	5.1051	235.8669
Clomipramine	Clomipramine-D3	7.681	215679	48467	4.4500	256.0383
Norpropoxyphene	Norpropoxyphene-D5	7.929	138111	18769	7.3584	227.6414

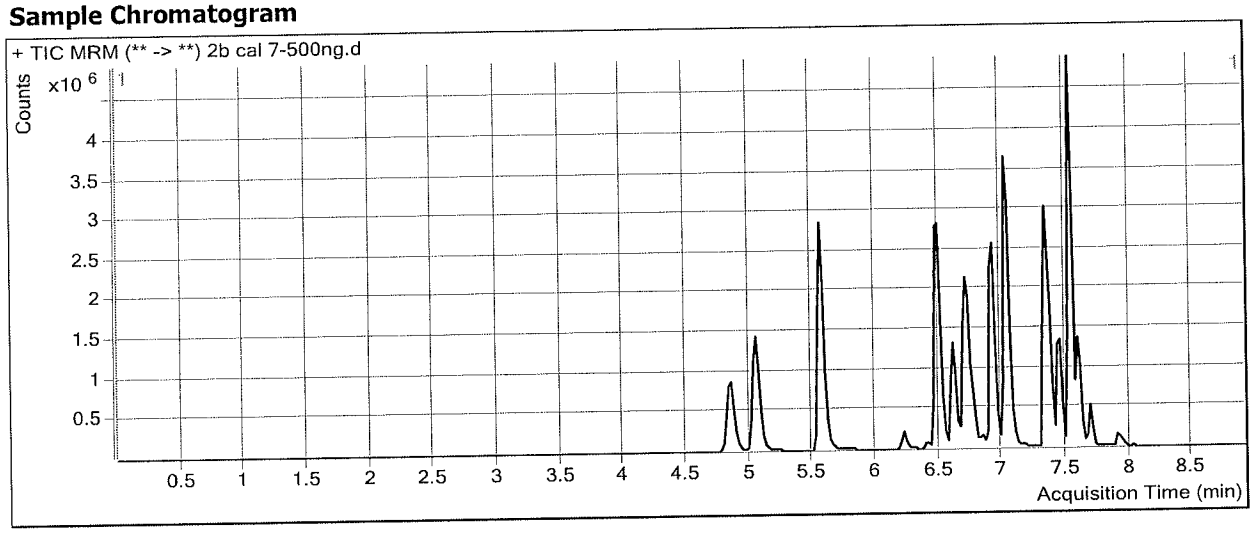
ISP FORENSICS - Cd'A Instrument # 62340
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\121917 mdq p1 and p2\QuantResults\121917 mdq p2b.batch.bin		
Analysis Time	12/21/2017 12:27 PM	**Analyst Name**	ISP Tox
Report Time	12/21/2017 12:27 PM	**Reporter Name**	ISP Tox
Last Calib Update	12/21/2017 12:27 PM	**Batch State**	Processed

Analysis Info

Acq Time	2017-12-20 08:02	**Data File**	2b cal 7-500ng.d
Sample Type	Calibration	**Sample Name**	2b cal 7-500ng
Dilution	1	**Acq Method**	MDQ Panel 2b 8-8-17.m
Position	P1-G5	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28 Panel 2

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
MDA	MDA-D5	4.850	2360239	137588	17.1544	513.5520
MDMA	MDMA-D6	5.048	3419333	43668	78.3029	505.3941
MDEA	MDEA-D6	5.548	3847155	440053	8.7425	505.3108
Primidone	Tapentadol-D3	6.215	419469	704417	0.5955	626.8303
Tapentadol	Tapentadol-D3	6.503	7420178	704417	10.5338	499.6053
Meperidine	Meperidine-D4	6.616	2459353	243862	10.0850	502.4083
Normeperidine	Normeperidine-D4	6.724	2069450	149338	13.8574	503.7200
7-aminoflunitrazepam	7-aminoflunitrazepam-D7	6.736	2428604	230558	10.5336	494.8055
Pentazocine	Pentazocine-13C3	6.919	4572736	306695	14.9097	507.0833
Phencyclidine	Phencydlidine-D5	7.028	5946855	648543	9.1696	474.9660
Flurazepam	Flunitrazepam-D7	7.335	4658225	21082	220.9623	1288.3409
Zaleplon	Zaleplon-D4	7.341	1811222	130678	13.8602	489.4684
Phenytoin	Phenytoin-D10	7.389	163754	15658	10.4582	515.2557
Verapamil	Trimipramine-D3	7.435	2912104	169692	17.1611	577.6752
Amoxapine	Clomipramine-D3	7.500	244242	61103	3.9972	357.0146
Propoxyphene	Propoxyphene-D11	7.517	4197326	96338	43.5688	528.2427
Flunitrazepam	Flunitrazepam-D7	7.520	1112217	21082	52.7579	505.9861
Imipramine	Imipramine-D3	7.528	1774969	110541	16.0571	451.1834
Desipramine	Desipramine-D3	7.549	990651	95481	10.3754	512.2634
Trimipramine	Trimipramine-D3	7.586	1812650	169692	10.6820	492.8234
Clomipramine	Clomipramine-D3	7.681	534980	61103	8.7554	504.7354
Norpropoxyphene	Norpropoxyphene-D5	7.909	364212	23449	15.5322	477.9838

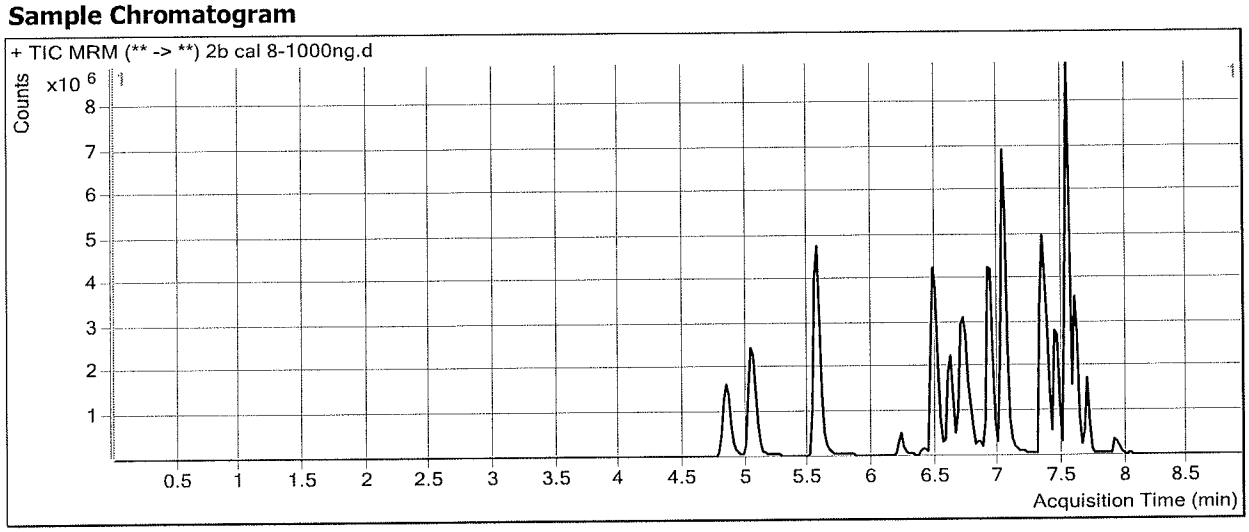
ISP FORENSICS - Cd'A Instrument # 62340
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\121917 mdq p1 and p2\QuantResults\121917 mdq p2b.batch.bin		
Analysis Time	12/21/2017 12:27 PM	**Analyst Name**	ISP Tox
Report Time	12/21/2017 12:27 PM	**Reporter Name**	ISP Tox
Last Calib Update	12/21/2017 12:27 PM	**Batch State**	Processed

Analysis Info

Acq Time	2017-12-20 08:27	**Data File**	2b cal 8-1000ng.d
Sample Type	Calibration	**Sample Name**	2b cal 8-1000ng
Dilution	1	**Acq Method**	MDQ Panel 2b 8-8-17.m
Position	P1-H5	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28 Panel 2

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
MDA	MDA-D5	4.830	4453227	136132	32.7127	980.0102
MDMA	MDMA-D6	5.028	6399516	41925	152.6436	985.3889
MDEA	MDEA-D6	5.548	7302598	421522	17.3243	1000.9673
Primidone	Tapentadol-D3	6.215	923910	561595	1.6452	1730.9461
Tapentadol	Tapentadol-D3	6.483	11881677	561595	21.1570	1003.3561
Meperidine	Meperidine-D4	6.616	4587528	227795	20.1388	1002.7103
Normeperidine	Normeperidine-D4	6.703	3526626	129709	27.1888	988.8502
7-aminoflunitrazepam	7-aminoflunitrazepam-D7	6.736	4190981	217091	19.3052	907.0452
Pentazocine	Pentazocine-13C3	6.899	8195794	281524	29.1123	990.0713
Phencyclidine	Phencydlidine-D5	7.028	12425558	620828	20.0145	1036.1468
Flurazepam	Flunitrazepam-D7	7.335	9552032	12331	774.6629	4508.3097
Zaleplon	Zaleplon-D4	7.341	2575559	89305	28.8402	1017.6818
Phenytoin	Phenytoin-D10	7.389	364775	16382	22.2671	1096.1064
Verapamil	Trimipramine-D3	7.415	6123957	226174	27.0763	911.9924
Amoxapine	Clomipramine-D3	7.500	472149	109595	4.3081	384.7892
Propoxyphene	Propoxyphene-D11	7.517	7944188	101972	77.9054	944.5523
Flunitrazepam	Flunitrazepam-D7	7.520	1322956	12331	107.2908	1027.1107
Imipramine	Imipramine-D3	7.528	4498434	111218	40.4469	1134.7842
Desipramine	Desipramine-D3	7.549	2191086	108867	20.1262	993.3635
Trimipramine	Trimipramine-D3	7.586	5041129	226174	22.2887	1027.6074
Clomipramine	Clomipramine-D3	7.681	1842061	109595	16.8078	969.8707
Norpropoxyphene	Norpropoxyphene-D5	7.909	808653	23462	34.4667	1057.9036