

Worklist: 2270

reviewed 3/23/18

3/22/2018

B. Wylee

<u>LAB_CASE</u>	<u>ITEM</u>	<u>TASK_ID</u>	<u>DESCRIPTION</u>
C2017-2265	1	110925	AM 28 Blood Multi-Drug Quant Panel 2 by LC-QC
C2018-0235	1	110926	AM 28 Blood Multi-Drug Quant Panel 2 by LC-QC



[Handwritten signature]

Toxicology AMI 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: 8/7/18 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 5/7/18 by AMN Concentration 50 ng/ml each

AM# 28: Multi-Drug Quantitation in Blood by LC-MS/MS

Extraction Date: 3-20-18 and 3-21/18

Analyst: Anne Nord

Plate lot#: 0507680

Plate Expiration: 6-5-2018

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

Mobile phase B: 0.01% Formic Acid in MeOH
Ethyl Acetate 20% Methanol in Water

Blank Blood Lot: 17J20718

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: ~~1926134~~^{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: 03202018 mdq (not processed) 03212018 mdq Batch Name: mdq p2a
- 2. Make necessary changes to integration limits
- 3. Integration linear and R² 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% (tramadol RT +/-2%), S/N for primary transition >10 and secondary transitions >5.
- 5. Did all QCs pass for each analyte? Y / N see comments. Add Control data to QC tracking spreadsheet.
- 6. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports.

COMMENTS: A batch was extracted and run 3/20/18 initially looking at the data the negative control gave positive responses. The batch from 3/20/18 was not processed. The samples were re-extracted and run 3/21/18.

Curve ranges: phenazepam 5-500, metoprolol 5-500, benzoylcegonine 5-250



ISP FORENSICS - Cd'A Instrument # 62340

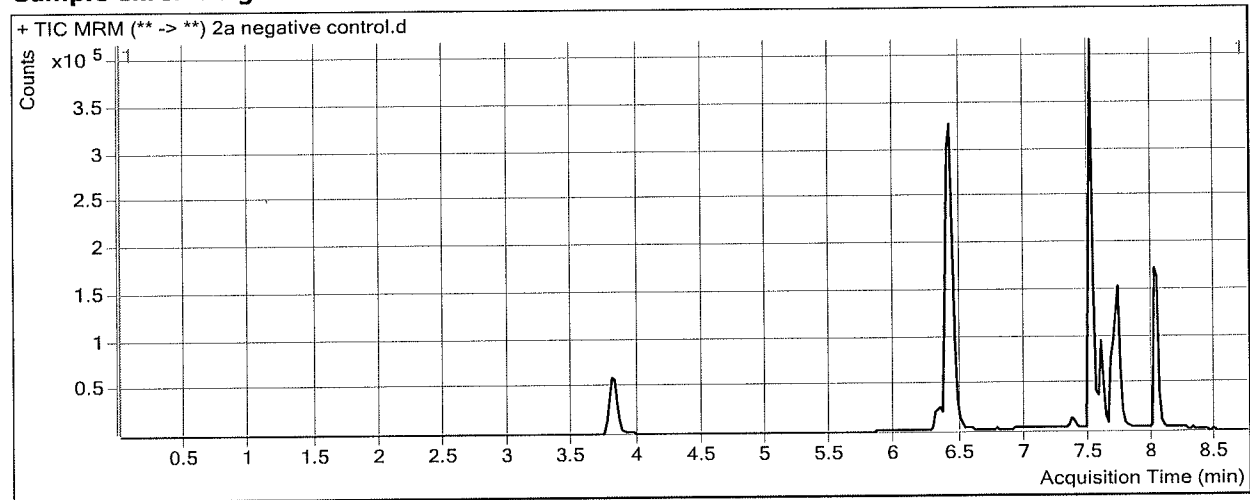
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2018 Data\03212018 mdq\QuantResults\mdq p2a.batch.bin
Analysis Time 3/22/2018 7:45 AM **Analyst Name** ISP Tox
Report Time 3/22/2018 7:47 AM **Reporter Name** ISP Tox
Last Calib Update 3/22/2018 7:45 AM **Batch State** Processed

Analysis Info

Acq Time 2018-03-21 18:11 **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



ISP FORENSICS - Cd'A Instrument # 62340

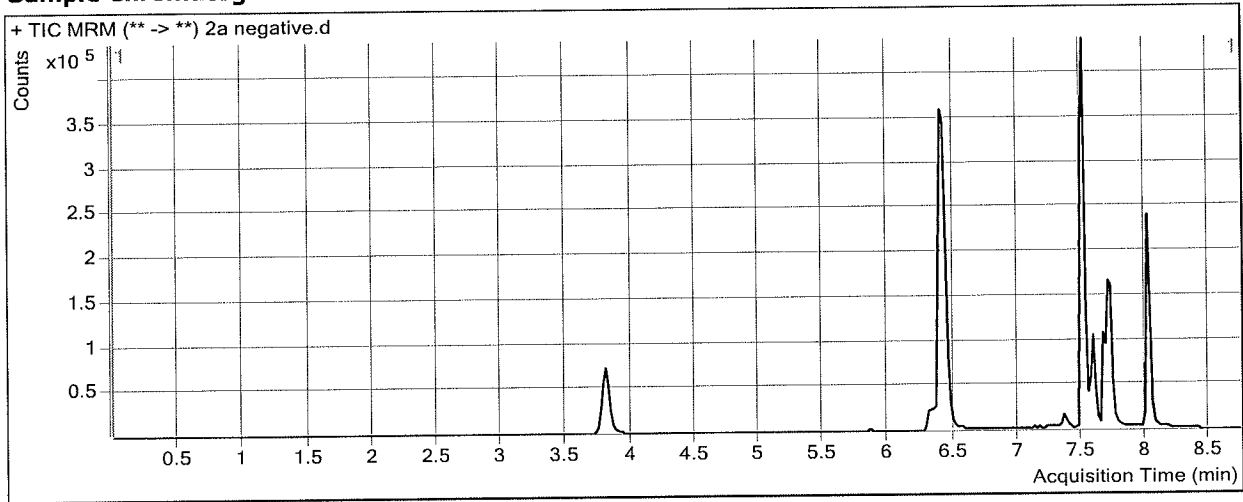
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2018 Data\03212018 mdq\QuantResults\mdq p2a.batch.bin
Analysis Time 3/22/2018 7:45 AM **Analyst Name** ISP Tox
Report Time 3/22/2018 7:47 AM **Reporter Name** ISP Tox
Last Calib Update 3/22/2018 7:45 AM **Batch State** Processed

Analysis Info

Acq Time 2018-03-21 19:39 **Data File** 2a negative.d
Sample Type Sample **Sample Name** 2a negative
Dilution 1 **Acq Method** MDQ Panel 2a 3-12-17-3.m
Position P1-A7 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 2

Sample Chromatogram



ISP FORENSICS - Cd'A Instrument # 62340

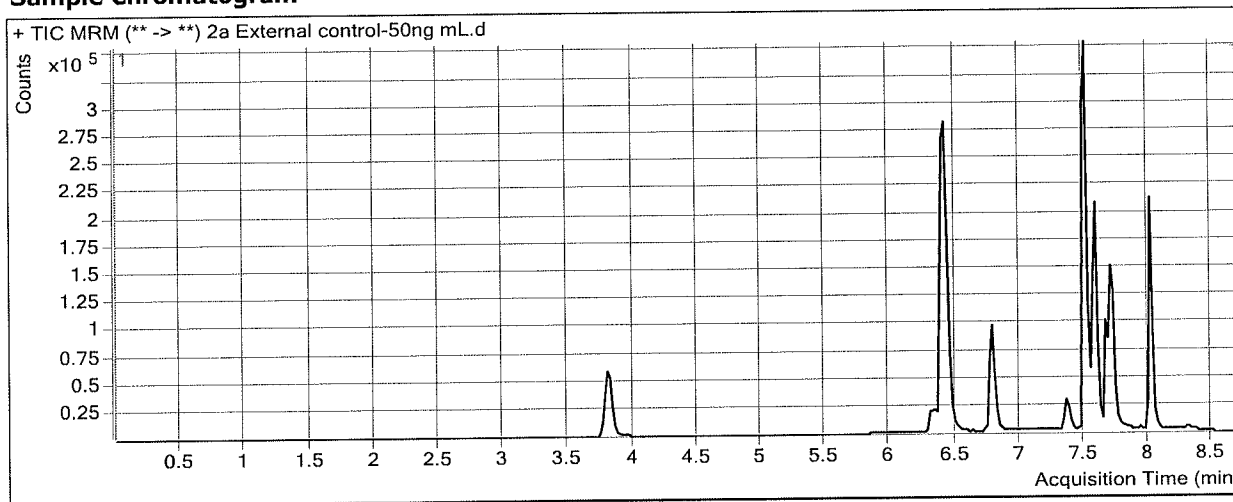
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2018 Data\03212018 mdq\QuantResults\mdq p2a.batch.bin
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Report Time 3/22/2018 7:47 AM **Reporter Name** ISP Tox
Last Calib Update 3/22/2018 7:45 AM **Batch State** Processed

Analysis Info

Acq Time 2018-03-21 18:23 **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	6.785	178312	457687	0.3896	50.4233
Maprotiline	Amitriptyline-D3	7.587	15616	62365	0.2504	<u>15.1123</u>
Amitriptyline	Amitriptyline-D3	7.587	141882	62365	2.2750	43.4695

ratios cut negative A

ISP FORENSICS - Cd'A Instrument # 62340

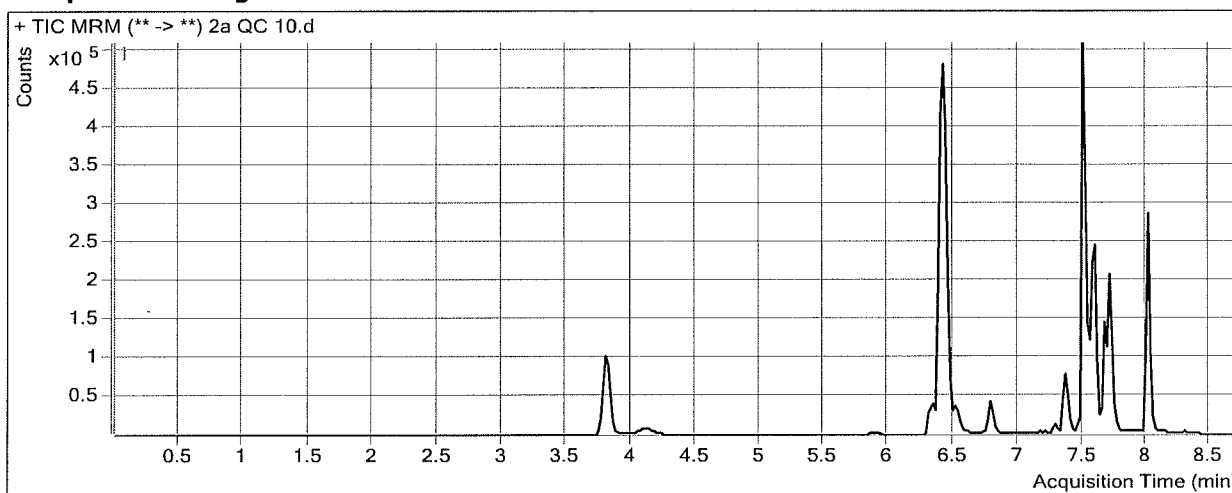
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2018 Data\03212018 mdq\QuantResults\mdq p2a.batch.bin
Analysis Time 3/22/2018 7:45 AM **Analyst Name** ISP Tox
Report Time 3/22/2018 7:47 AM **Reporter Name** ISP Tox
Last Calib Update 3/22/2018 7:45 AM **Batch State** Processed

Analysis Info

Acq Time 2018-03-21 18:36 **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	3.830	78870	350875	0.2248	10.2785
Levamisole	Cocaine-D3	4.144	37397	410089	0.0912	10.3658
Benzoylcegonine	Benzoylcegonine-D8	5.896	2350	5525	0.4254	11.1605
Zopiclone	Zopiclone-D4	6.328	20766	95945	0.2164	9.5871
Cocaine	Cocaine-D3	6.392	105882	410089	0.2582	9.7802
Methylphenidate	Methylphenidate-D4	6.446	177141	737285	0.2403	9.8304
Metoprolol	Methylphenidate-D4	6.461	23631	737285	0.0321	9.9857
Ondansetron	Zopiclone-D4	6.516	53590	95945	0.5586	11.8639
Mirtazapine	Methylphenidate-D4	6.785	69826	737285	0.0947	12.5082
Mitragynine	Doxepin-D3	7.272	5950	183110	0.0325	8.4407
Doxepin	Doxepin-D3	7.364	31041	183110	0.1695	8.8290
Carbamazepine	Carbamazepine-13C6	7.493	185147	992057	0.1866	9.3666
Protriptyline	Protriptyline-D3	7.551	31031	146766	0.2114	10.4440
Maprotiline	Amitriptyline-D3	7.567	19417	123579	0.1571	9.1106
Amitriptyline	Amitriptyline-D3	7.567	69144	123579	0.5595	10.2707
Estazolam	Estazolam-D5	7.583	35542	154153	0.2306	11.1075
Nortriptyline	Nortriptyline-D3	7.591	30247	120233	0.2516	10.4221
alpha-hydroxymidazolam	alpha-hydroxymidazolam-D4	7.659	45406	240412	0.1889	11.2167
Chlordiazepoxide	Chlordiazepoxide-D5	7.723	20470	190469	0.1075	10.3313
Midazolam	Midazolam-D4	7.701	14712	209961	0.0701	10.0116
Phenazepam	Phenazepam-D4	7.739	2012	8711	0.2309	8.6368
Prazepam	Prazepam-D5	8.004	111024	476428	0.2330	10.3813

ISP FORENSICS - Cd'A Instrument # 62340

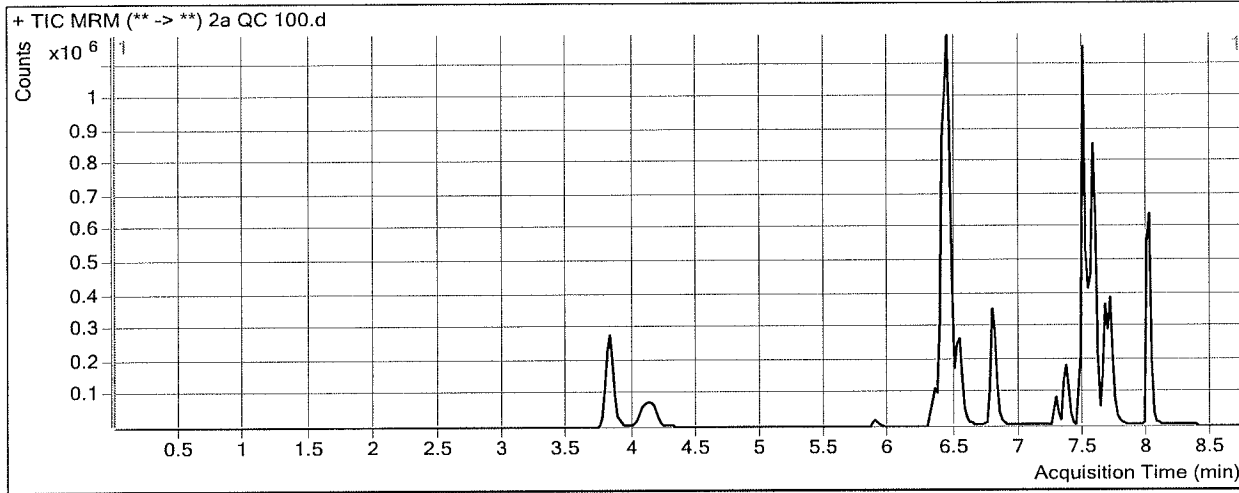
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2018 Data\03212018 mdq\QuantResults\mdq p2a.batch.bin
Analysis Time 3/22/2018 7:45 AM **Analyst Name** ISP Tox
Report Time 3/22/2018 7:47 AM **Reporter Name** ISP Tox
Last Calib Update 3/22/2018 7:45 AM **Batch State** Processed

Analysis Info

Acq Time 2018-03-21 19:52 **Data File** 2a QC 100.d
Sample Type QC **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	3.830	748551	347277	2.1555	103.9133
Levamisole	Cocaine-D3	4.144	383403	411985	0.9306	92.0412
Benzoyllecgonine	Benzoyllecgonine-D8	5.896	31914	5835	5.4692	130.3589
Zopiclone	Zopiclone-D4	6.328	191729	83380	2.2995	101.9477
Cocaine	Cocaine-D3	6.392	1031379	411985	2.5034	102.6072
Methylphenidate	Methylphenidate-D4	6.446	1678513	729694	2.3003	104.4015
Metoprolol	Methylphenidate-D4	6.461	217489	729694	0.2981	98.4741
Ondansetron	Zopiclone-D4	6.536	526476	83380	6.3142	115.1189
Mirtazapine	Methylphenidate-D4	6.785	646764	729694	0.8864	114.2941
Mitragynine	Doxepin-D3	7.272	62738	158098	0.3968	77.2085
Doxepin	Doxepin-D3	7.364	295679	158098	1.8702	102.9639
Carbamazepine	Carbamazepine-13C6	7.493	1451613	771101	1.8825	102.1691
Protriptyline	Protriptyline-D3	7.531	246952	120140	2.0555	102.8108
Maprotiline	Amitriptyline-D3	7.547	153285	101275	1.5135	96.3842
Amitriptyline	Amitriptyline-D3	7.567	532863	101275	5.2615	101.2637
Estazolam	Estazolam-D5	7.583	291546	133283	2.1874	99.5448
Nortriptyline	Nortriptyline-D3	7.591	248861	106334	2.3404	96.9129
alpha-hydroxymidazolam	alpha-hydroxymidazolam-D4	7.659	378943	221182	1.7133	107.7315
Chlordiazepoxide	Chlordiazepoxide-D5	7.703	154622	149853	1.0318	117.7223
Midazolam	Midazolam-D4	7.701	143683	205730	0.6984	99.7370
Phenazepam	Phenazepam-D4	7.739	18230	7100	2.5677	90.1618
Prazepam	Prazepam-D5	8.004	1023317	460193	2.2237	106.4292

ISP FORENSICS - Cd'A Instrument # 62340

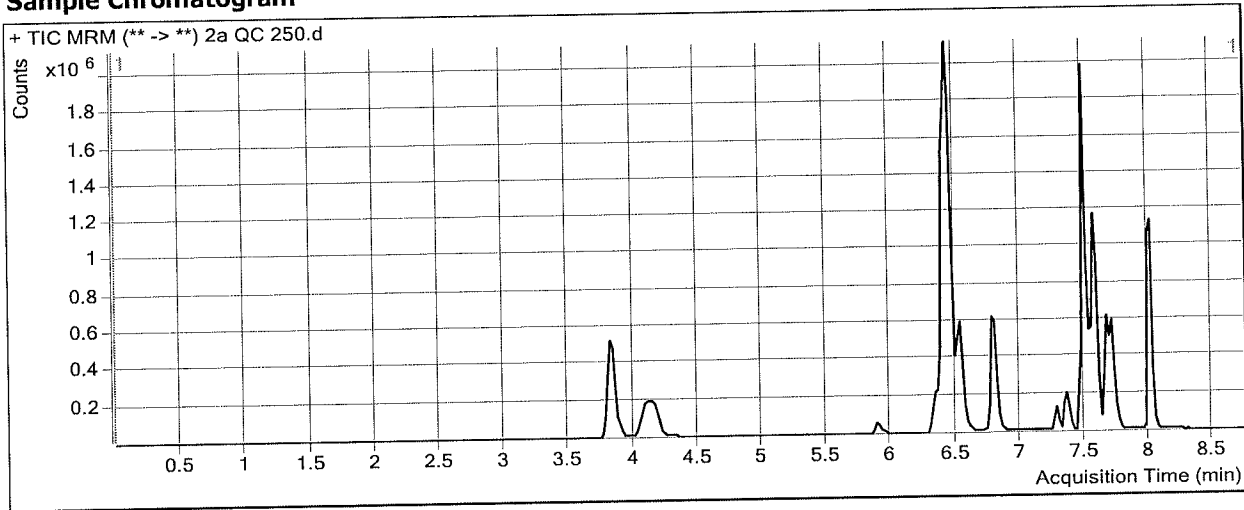
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2018 Data\03212018 mdq\QuantResults\mdq p2a.batch.bin
Analysis Time 3/22/2018 7:45 AM **Analyst Name** ISP Tox
Report Time 3/22/2018 7:47 AM **Reporter Name** ISP Tox
Last Calib Update 3/22/2018 7:45 AM **Batch State** Processed

Analysis Info

Acq Time 2018-03-21 20:05 **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	3.830	1737273	325434	5.3383	258.2737
Levamisole	Cocaine-D3	4.144	975234	406045	2.4018	235.1832
Benzoylcegonine	Benzoylcegonine-D8	5.896	91997	5999	15.3356	363.5280
Zopiclone	Zopiclone-D4	6.348	458672	80995	5.6629	251.0819
Cocaine	Cocaine-D3	6.392	2486626	406045	6.1240	252.2955
Methylphenidate	Methylphenidate-D4	6.466	3526992	635857	5.5468	253.4418
Metoprolol	Methylphenidate-D4	6.481	456536	635857	0.7180	238.1667
Ondansetron	Zopiclone-D4	6.536	1176082	80995	14.5204	262.3354
Mirtazapine	Methylphenidate-D4	6.785	1260686	635857	1.9827	255.2522
Mitragynine	Doxepin-D3	7.272	97742	84095	1.1623	221.6878
Doxepin	Doxepin-D3	7.364	400366	84095	4.7609	262.9615
Carbamazepine	Carbamazepine-13C6	7.493	3258196	707044	4.6082	251.3232
Protriptyline	Protriptyline-D3	7.531	312356	59123	5.2832	264.4769
Maprotiline	Amitriptyline-D3	7.547	203687	49107	4.1478	265.8748
Amitriptyline	Amitriptyline-D3	7.567	635463	49107	12.9403	249.8632
Estazolam	Estazolam-D5	7.563	691682	125800	5.4983	249.1726
Nortriptyline	Nortriptyline-D3	7.591	310137	50402	6.1533	254.7936
alpha-hydroxymidazolam	alpha-hydroxymidazolam-D4	7.659	799264	196034	4.0772	257.3985
Chlordiazepoxide	Chlordiazepoxide-D5	7.703	289156	124922	2.3147	266.7638
Midazolam	Midazolam-D4	7.701	332112	198917	1.6696	238.4213
Phenazepam	Phenazepam-D4	7.739	37427	5308	7.0508	246.5664
Prazepam	Prazepam-D5	8.004	2219958	425986	5.2113	250.5841

ISP FORENSICS - Cd'A Instrument # 62340

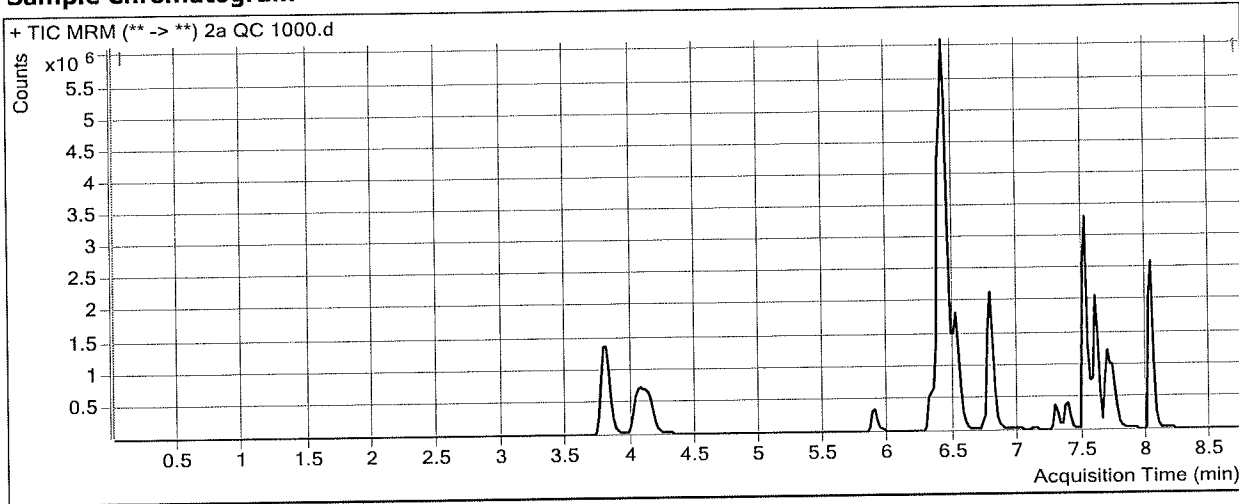
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2018 Data\03212018 mdq\QuantResults\mdq p2a.batch.bin
Analysis Time 3/22/2018 7:45 AM **Analyst Name** ISP Tox
Report Time 3/22/2018 7:47 AM **Reporter Name** ISP Tox
Last Calib Update 3/22/2018 7:45 AM **Batch State** Processed

Analysis Info

Acq Time 2018-03-21 20:17 **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	3.810	5874858	277637	21.1602	1025.5978
Levamisole	Cocaine-D3	4.064	3793876	350758	10.8162	1053.8925
Benzoylcegonine	Benzoylcegonine-D8	5.896	543980	6170	88.1721	2084.8544 ★
Zopiclone	Zopiclone-D4	6.328	1353330	62414	21.6830	961.4023
Cocaine	Cocaine-D3	6.392	8512631	350758	24.2692	1002.4867
Methylphenidate	Methylphenidate-D4	6.446	11396817	519008	21.9589	1006.8764
Metoprolol	Methylphenidate-D4	6.461	1182325	519008	2.2780	757.1326 ★
Ondansetron	Zopiclone-D4	6.516	3897853	62414	62.4513	1122.2028
Mirtazapine	Methylphenidate-D4	6.785	4357763	519008	8.3963	1079.8939
Mitragynine	Doxepin-D3	7.272	288155	46604	6.1830	1169.3657
Doxepin	Doxepin-D3	7.384	890428	46604	19.1062	1056.9855
Carbamazepine	Carbamazepine-13C6	7.513	8351643	441941	18.8977	1033.2713
Protriptyline	Protriptyline-D3	7.551	345995	17356	19.9353	998.3707
Maprotiline	Amitriptyline-D3	7.567	223503	18174	12.2980	790.2619
Amitriptyline	Amitriptyline-D3	7.587	833289	18174	45.8506	886.7386
Estazolam	Estazolam-D5	7.583	1955020	86516	22.5971	1021.9290
Nortriptyline	Nortriptyline-D3	7.591	333261	14140	23.5691	975.9296
alpha-hydroxymidazolam	alpha-hydroxymidazolam-D4	7.679	1801856	123187	14.6270	925.3446
Chlordiazepoxide	Chlordiazepoxide-D5	7.723	532689	51048	10.4351	1210.1841
Midazolam	Midazolam-D4	7.721	973642	143557	6.7823	968.5015
Phenazepam	Phenazepam-D4	7.759	88269	4008	22.0237	768.9391 ★
Prazepam	Prazepam-D5	8.024	5788341	276951	20.9002	1007.5709

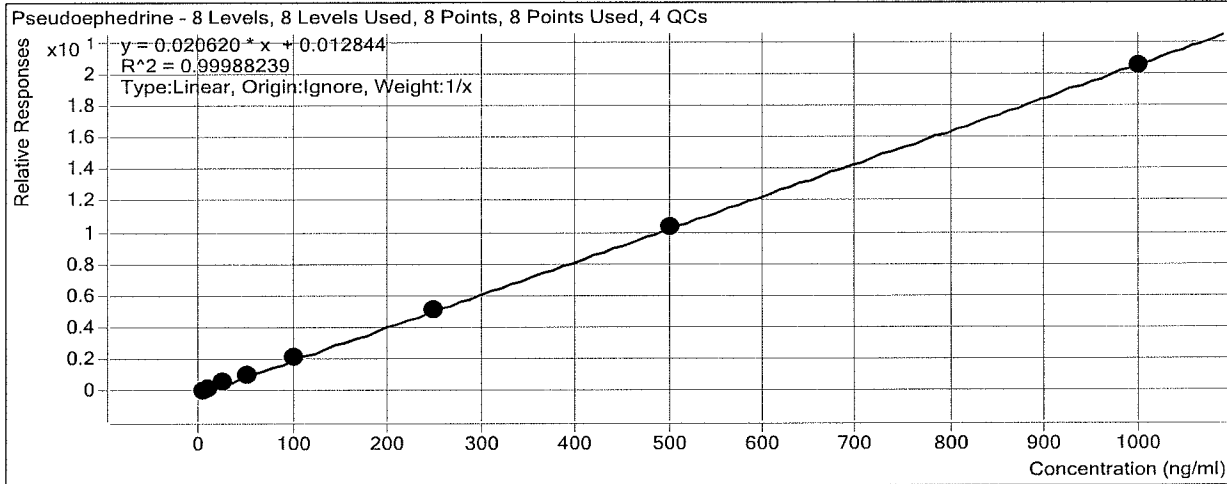
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2018 Data\03212018 mdq\QuantResults\mdq p2a.batch.bin
3/22/2018 7:45 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	<input checked="" type="checkbox"/>	5	4.6	92.1
2a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	100.0
2a QC 10	2	<input checked="" type="checkbox"/>	10	10.3	102.8
2a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.2	104.8
2a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.6	101.2
2a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.5	101.5
2a QC 100	5	<input checked="" type="checkbox"/>	100	103.9	103.9
2a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	250.8	100.3
2a QC 250	6	<input checked="" type="checkbox"/>	250	258.3	103.3
2a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	503.9	100.8
2a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	992.4	99.2
2a QC 1000	8	<input checked="" type="checkbox"/>	1000	1025.6	102.6

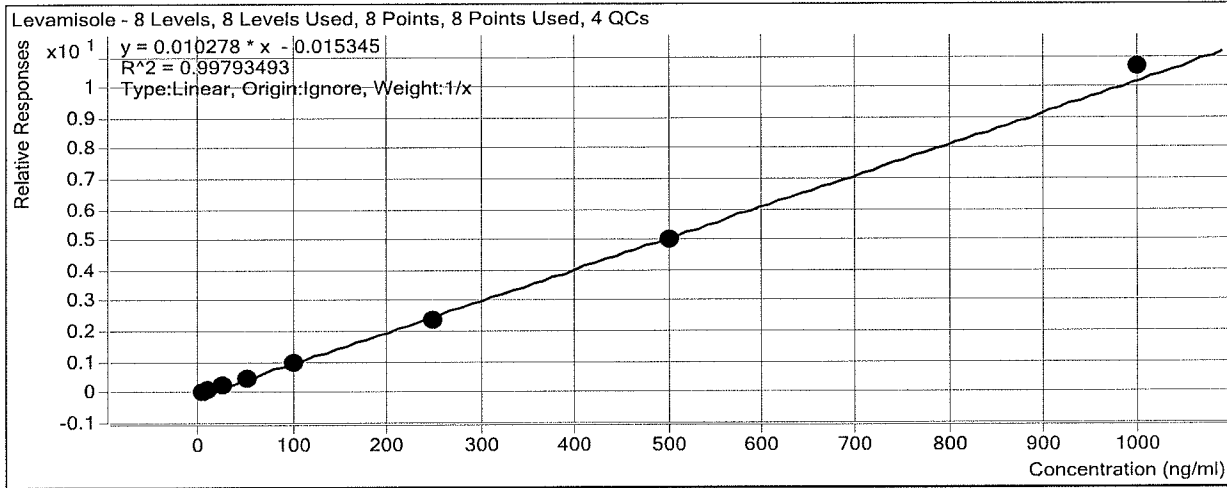
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2018 Data\03212018 mdq\QuantResults\mdq p2a.batch.bin
3/22/2018 7:45 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	<input checked="" type="checkbox"/>	5	5.9	118.6
2a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.4	104.0
2a QC 10	2	<input checked="" type="checkbox"/>	10	10.4	103.7
2a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.1	96.3
2a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.6	93.2
2a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	92.5	92.5
2a QC 100	5	<input checked="" type="checkbox"/>	100	92.0	92.0
2a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	235.2	94.1
2a QC 250	6	<input checked="" type="checkbox"/>	250	235.2	94.1
2a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	487.2	97.4
2a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1038.0	103.8
2a QC 1000	8	<input checked="" type="checkbox"/>	1000	1053.9	105.4

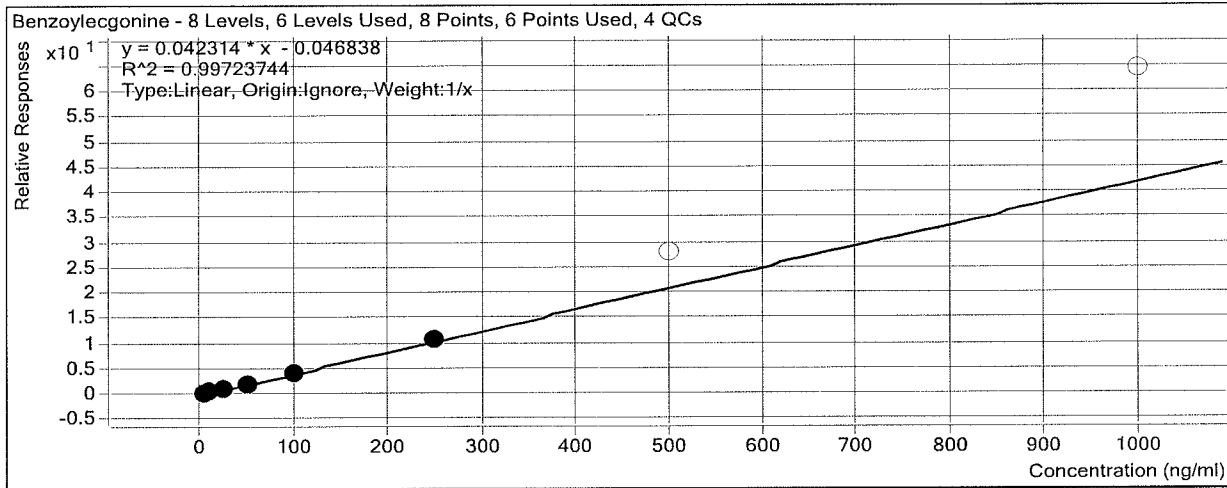
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2018 Data\03212018 mdq\QuantResults\mdq p2a.batch.bin
3/22/2018 7:45 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	<input checked="" type="checkbox"/>	5	5.4	109.0
2a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	100.3
2a QC 10	2	<input checked="" type="checkbox"/>	10	11.2	111.6
2a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.3	101.3
2a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	43.8	87.7
2a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.4	99.4
2a QC 100	5	<input checked="" type="checkbox"/>	100	130.4	130.4
2a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	256.0	102.4
2a QC 250	6	<input checked="" type="checkbox"/>	250	363.5	145.4
2a cal 7-500ng	7	<input type="checkbox"/>	500	667.2	133.4
2a cal 8-1000ng	8	<input type="checkbox"/>	1000	1520.7	152.1
2a QC 1000	8	<input type="checkbox"/>	1000	2084.9	208.5

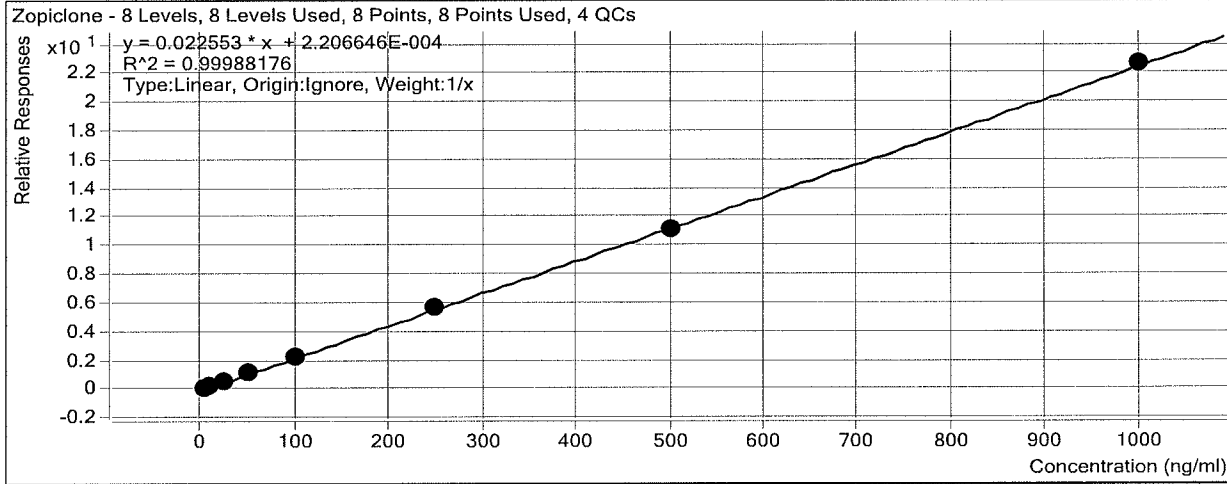
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2018 Data\03212018 mdq\QuantResults\mdq p2a.batch.bin
3/22/2018 7:45 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	<input checked="" type="checkbox"/>	5	5.0	99.6
2a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.2	101.6
2a QC 10	2	<input checked="" type="checkbox"/>	10	9.6	95.9
2a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.6	102.5
2a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.7	97.4
2a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.0	98.0
2a QC 100	5	<input checked="" type="checkbox"/>	100	101.9	101.9
2a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	253.8	101.5
2a QC 250	6	<input checked="" type="checkbox"/>	250	251.1	100.4
2a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	495.0	99.0
2a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1003.7	100.4
2a QC 1000	8	<input checked="" type="checkbox"/>	1000	961.4	96.1

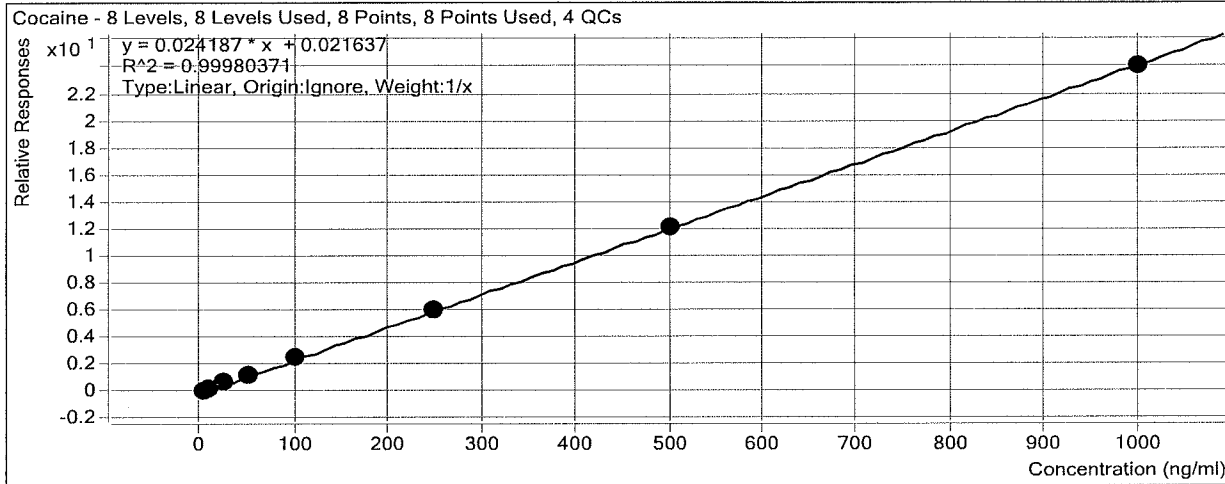
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2018 Data\03212018 mdq\QuantResults\mdq p2a.batch.bin
3/22/2018 7:45 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	<input checked="" type="checkbox"/>	5	4.6	91.2
2a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	97.9
2a QC 10	2	<input checked="" type="checkbox"/>	10	9.8	97.8
2a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.1	104.4
2a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.6	103.3
2a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.4	103.4
2a QC 100	5	<input checked="" type="checkbox"/>	100	102.6	102.6
2a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	250.4	100.2
2a QC 250	6	<input checked="" type="checkbox"/>	250	252.3	100.9
2a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	502.6	100.5
2a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	991.5	99.2
2a QC 1000	8	<input checked="" type="checkbox"/>	1000	1002.5	100.2

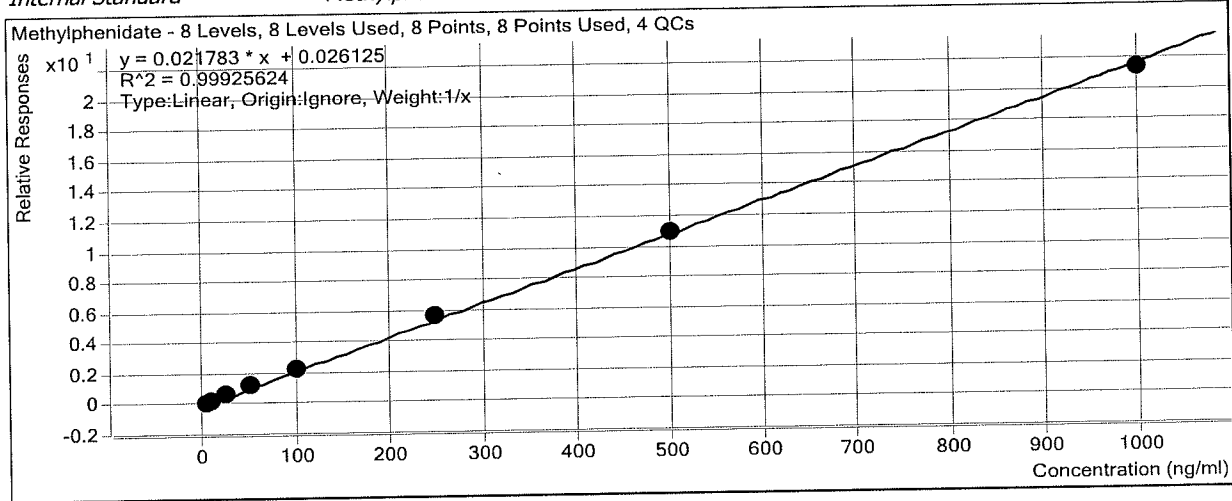
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2018 Data\03212018 mdq\QuantResults\mdq p2a.batch.bin
3/22/2018 7:45 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	<input checked="" type="checkbox"/>	5	4.3	86.4
2a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	97.5
2a QC 10	2	<input checked="" type="checkbox"/>	10	9.8	98.3
2a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.1	104.2
2a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.8	105.6
2a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.3	103.3
2a QC 100	5	<input checked="" type="checkbox"/>	100	104.4	104.4
2a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	260.5	104.2
2a QC 250	6	<input checked="" type="checkbox"/>	250	253.4	101.4
2a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	504.2	100.8
2a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	979.1	97.9
2a QC 1000	8	<input checked="" type="checkbox"/>	1000	1006.9	100.7

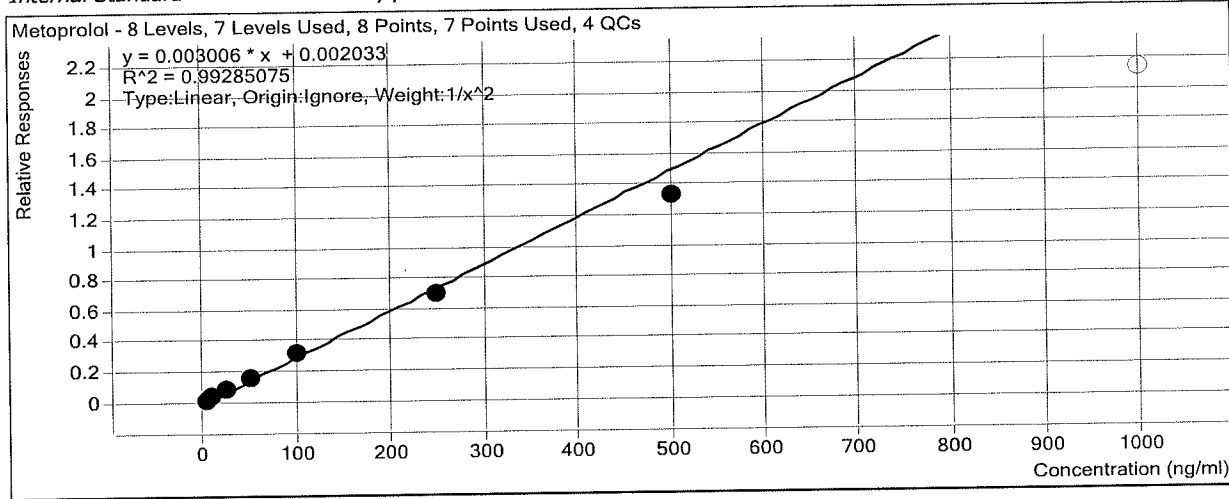
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2018 Data\03212018 mdq\QuantResults\mdq p2a.batch.bin
3/22/2018 7:45 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	<input checked="" type="checkbox"/>	5	4.8	96.9
2a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.2	101.9
2a QC 10	2	<input checked="" type="checkbox"/>	10	10.0	99.9
2a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	27.0	108.0
2a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.4	104.7
2a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	106.3	106.3
2a QC 100	5	<input checked="" type="checkbox"/>	100	98.5	98.5
2a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	233.5	93.4
2a QC 250	6	<input checked="" type="checkbox"/>	250	238.2	95.3
2a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	443.9	88.8
2a cal 8-1000ng	8	<input type="checkbox"/>	1000	709.4	70.9
2a QC 1000	8	<input type="checkbox"/>	1000	757.1	75.7

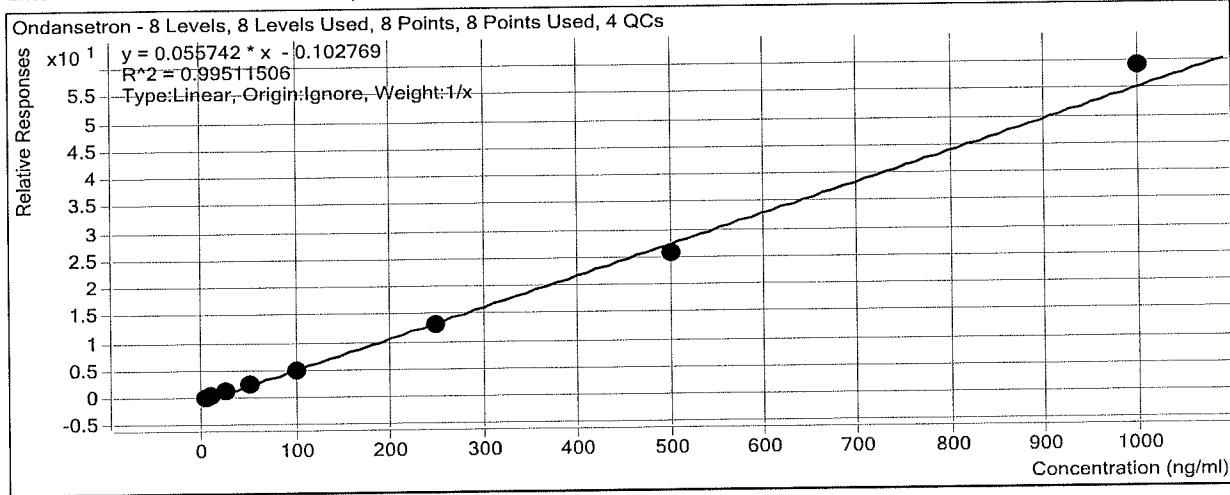
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2018 Data\03212018 mdq\QuantResults\mdq p2a.batch.bin
3/22/2018 7:45 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	<input checked="" type="checkbox"/>	5	5.9	119.0
2a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	11.0	109.8
2a QC 10	2	<input checked="" type="checkbox"/>	10	11.9	118.6
2a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.2	96.8
2a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	45.0	90.0
2a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	91.1	91.1
2a QC 100	5	<input checked="" type="checkbox"/>	100	115.1	115.1
2a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	235.0	94.0
2a QC 250	6	<input checked="" type="checkbox"/>	250	262.3	104.9
2a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	465.8	93.2
2a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1062.0	106.2
2a QC 1000	8	<input type="checkbox"/>	1000	1122.2	112.2

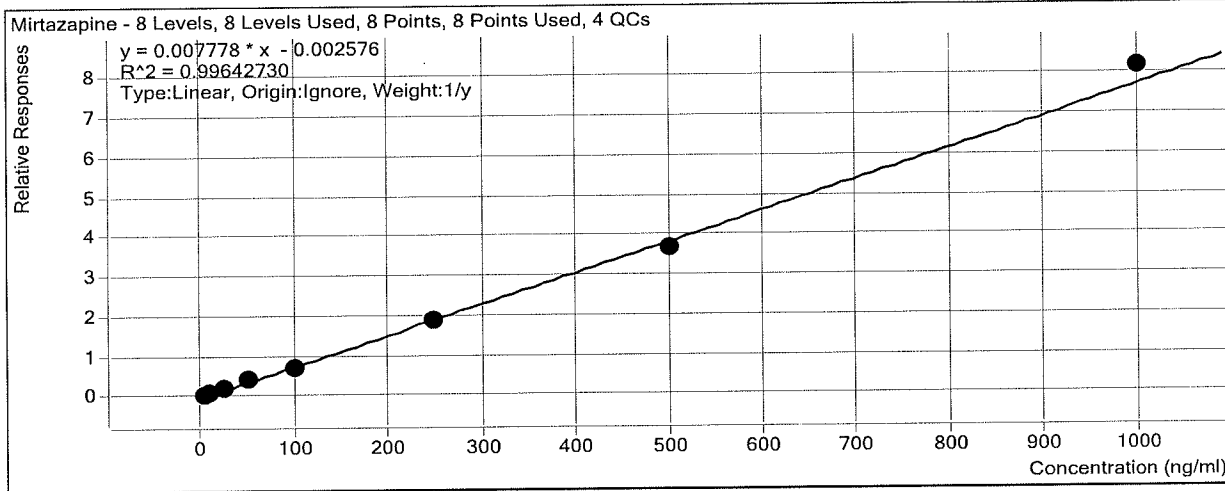
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2018 Data\03212018 mdq\QuantResults\mdq p2a.batch.bin
3/22/2018 7:45 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	<input checked="" type="checkbox"/>	5	5.5	110.7
2a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	11.1	111.2
2a QC 10	2	<input checked="" type="checkbox"/>	10	12.5	125.1
2a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.8	95.1
2a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.2	102.4
2a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	87.6	87.6
2a QC 100	5	<input checked="" type="checkbox"/>	100	114.3	114.3
2a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	243.6	97.5
2a QC 250	6	<input checked="" type="checkbox"/>	250	255.3	102.1
2a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	472.2	94.4
2a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1051.3	105.1
2a QC 1000	8	<input type="checkbox"/>	1000	1079.9	108.0

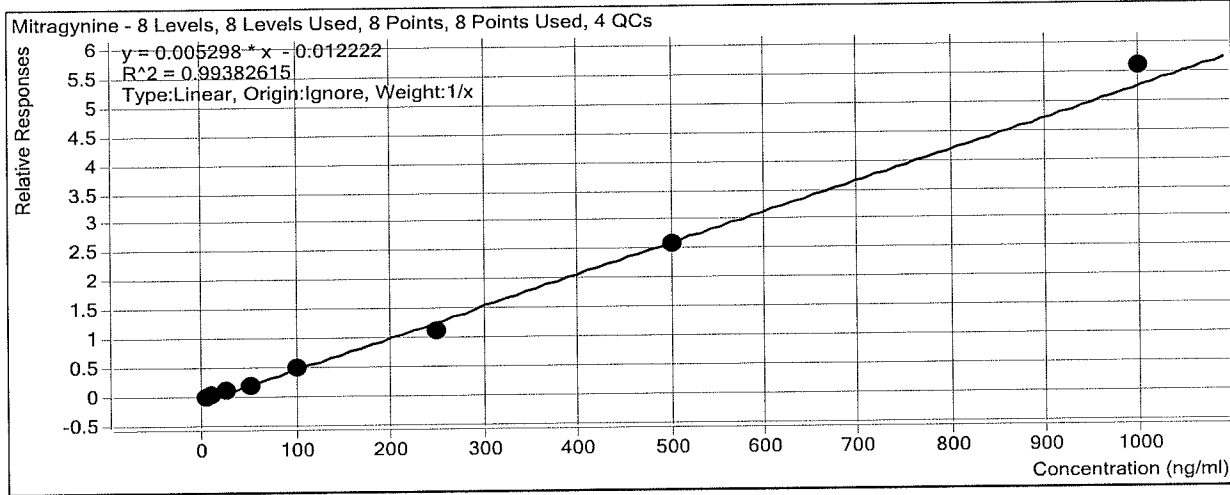
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2018 Data\03212018 mdq\QuantResults\mdq p2a.batch.bin
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Analyst Name ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	6.2	125.0
2a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.7	106.7
2a QC 10	2	<input checked="" type="checkbox"/>	10	8.4	84.4
2a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.7	102.9
2a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	40.1	80.3
2a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	95.6	95.6
2a QC 100	5	<input checked="" type="checkbox"/>	100	77.2	77.2
2a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	214.9	85.9
2a QC 250	6	<input checked="" type="checkbox"/>	250	221.7	88.7
2a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	489.2	97.8
2a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1057.6	105.8
2a QC 1000	8	<input checked="" type="checkbox"/>	1000	1169.4	116.9

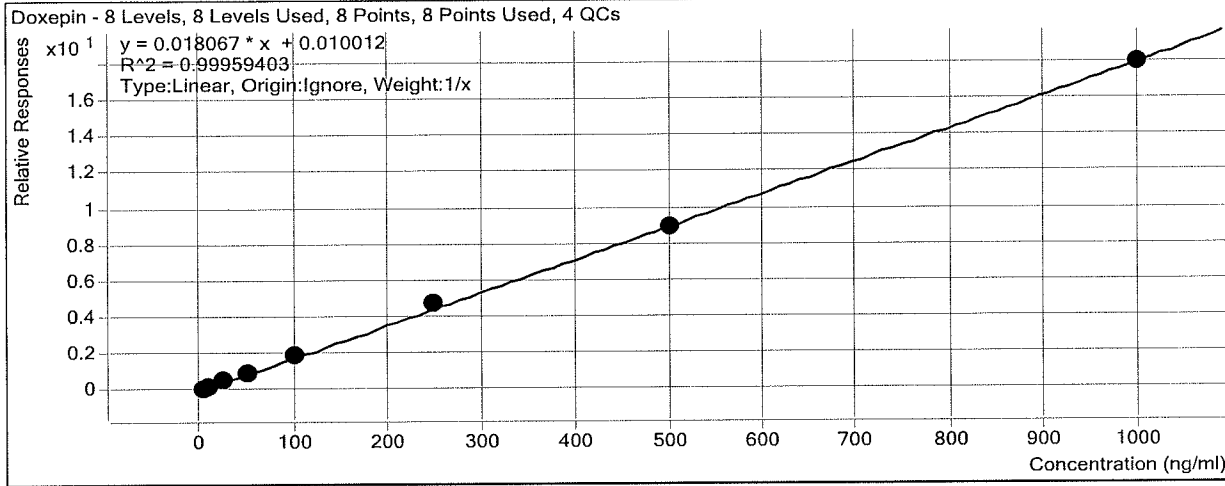
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2018 Data\03212018 mdq\QuantResults\mdq p2a.batch.bin
3/22/2018 7:45 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	<input checked="" type="checkbox"/>	5	4.4	87.0
2a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.5	105.0
2a QC 10	2	<input checked="" type="checkbox"/>	10	8.8	88.3
2a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.0	104.0
2a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.9	99.8
2a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.9	101.9
2a QC 100	5	<input checked="" type="checkbox"/>	100	103.0	103.0
2a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	260.2	104.1
2a QC 250	6	<input checked="" type="checkbox"/>	250	263.0	105.2
2a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	494.2	98.8
2a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	992.9	99.3
2a QC 1000	8	<input checked="" type="checkbox"/>	1000	1057.0	105.7

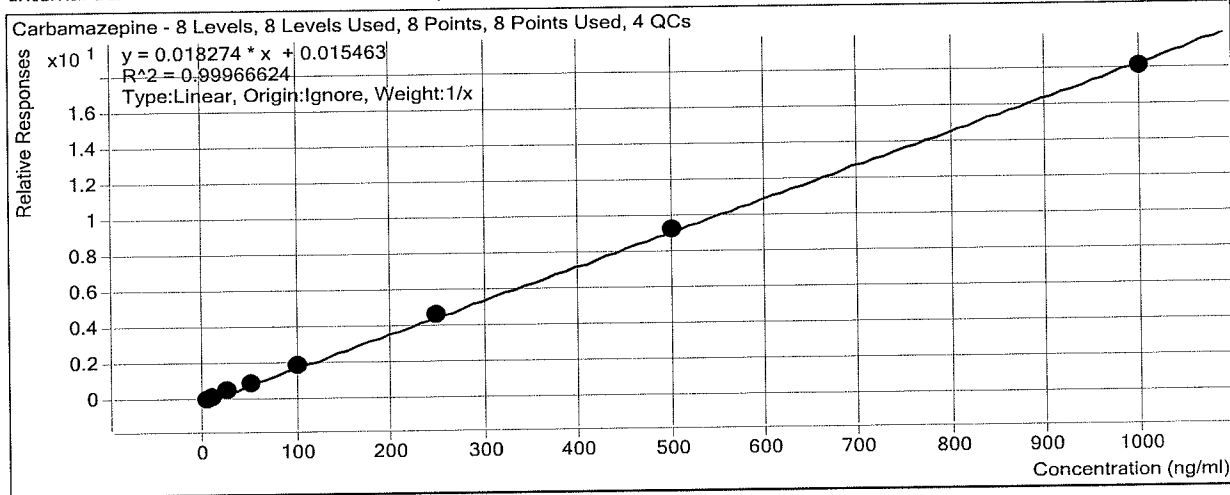
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2018 Data\03212018 mdq\QuantResults\mdq p2a.batch.bin
3/22/2018 7:45 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	<input checked="" type="checkbox"/>	5	4.5	89.8
2a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	99.3
2a QC 10	2	<input checked="" type="checkbox"/>	10	9.4	93.7
2a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.9	103.5
2a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.3	102.5
2a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.3	103.3
2a QC 100	5	<input checked="" type="checkbox"/>	100	102.2	102.2
2a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	255.2	102.1
2a QC 250	6	<input checked="" type="checkbox"/>	250	251.3	100.5
2a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	504.7	100.9
2a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	985.3	98.5
2a QC 1000	8	<input checked="" type="checkbox"/>	1000	1033.3	103.3

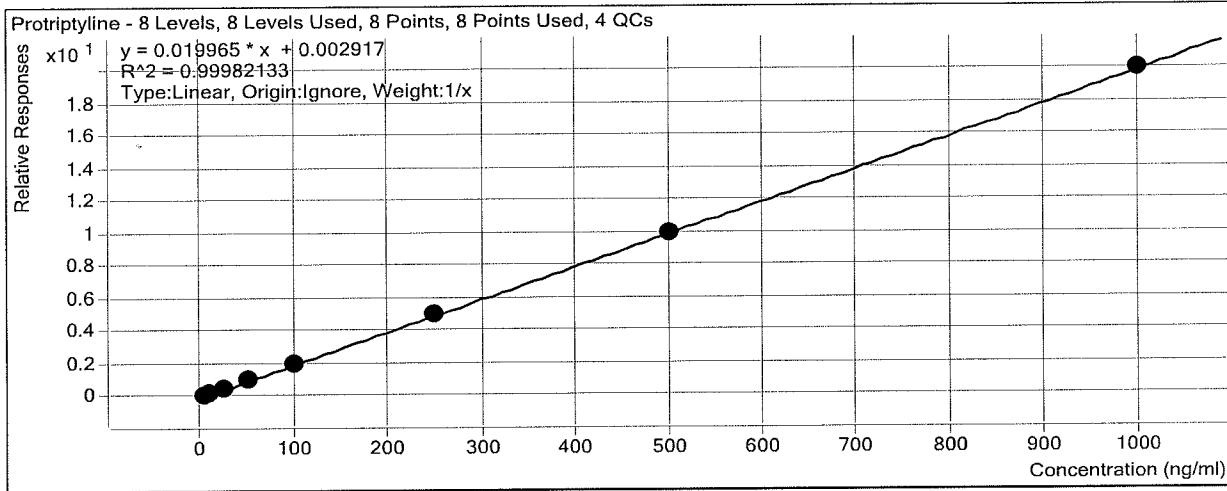
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2018 Data\03212018 mdq\QuantResults\mdq p2a.batch.bin
3/22/2018 7:45 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	<input checked="" type="checkbox"/>	5	5.0	99.6
2a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.4	94.0
2a QC 10	2	<input checked="" type="checkbox"/>	10	10.4	104.4
2a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.7	103.0
2a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	53.1	106.2
2a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.6	97.6
2a QC 100	5	<input checked="" type="checkbox"/>	100	102.8	102.8
2a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	248.9	99.6
2a QC 250	6	<input checked="" type="checkbox"/>	250	264.5	105.8
2a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	499.7	99.9
2a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1000.6	100.1
2a QC 1000	8	<input checked="" type="checkbox"/>	1000	998.4	99.8

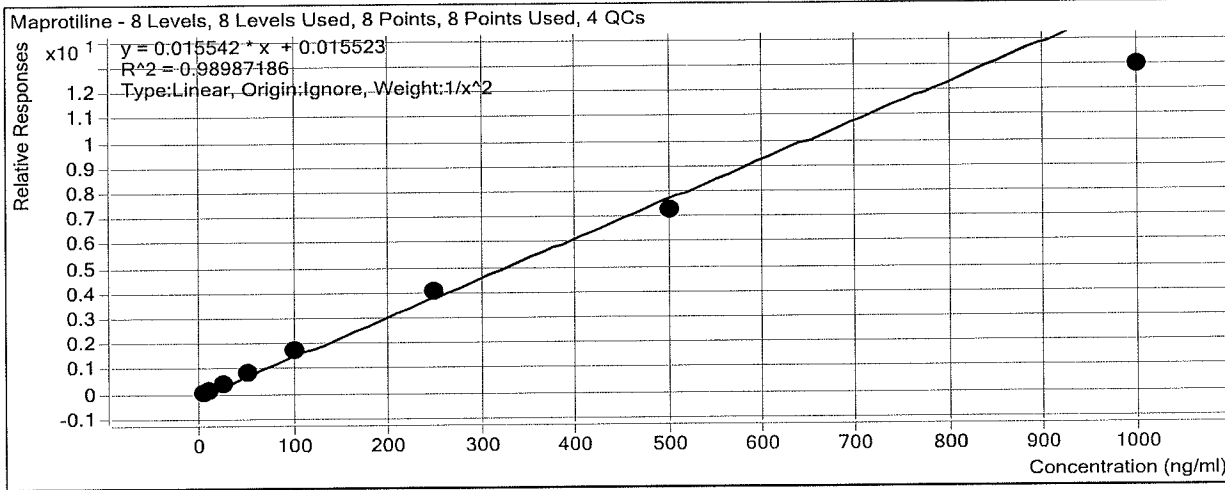
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2018 Data\03212018 mdq\QuantResults\mdq p2a.batch.bin
3/22/2018 7:45 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	<input checked="" type="checkbox"/>	5	4.9	98.5
2a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	97.8
2a QC 10	2	<input checked="" type="checkbox"/>	10	9.1	91.1
2a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	27.0	108.2
2a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	53.1	106.2
2a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	109.6	109.6
2a QC 100	5	<input checked="" type="checkbox"/>	100	96.4	96.4
2a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	258.2	103.3
2a QC 250	6	<input checked="" type="checkbox"/>	250	265.9	106.3
2a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	466.3	93.3
2a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	833.0	83.3
2a QC 1000	8	<input checked="" type="checkbox"/>	1000	790.3	79.0

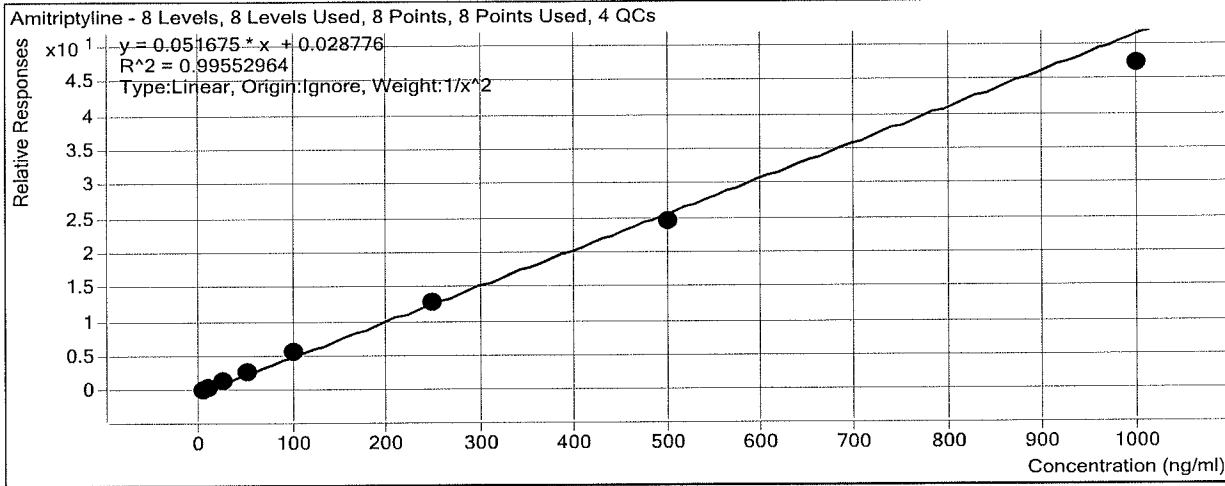
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2018 Data\03212018 mdq\QuantResults\mdq p2a.batch.bin
3/22/2018 7:45 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	<input checked="" type="checkbox"/>	5	5.0	100.5
2a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	96.1
2a QC 10	2	<input checked="" type="checkbox"/>	10	10.3	102.7
2a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.8	103.2
2a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.0	104.1
2a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	109.9	109.9
2a QC 100	5	<input checked="" type="checkbox"/>	100	101.3	101.3
2a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	248.6	99.5
2a QC 250	6	<input checked="" type="checkbox"/>	250	249.9	99.9
2a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	477.5	95.5
2a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	912.7	91.3
2a QC 1000	8	<input checked="" type="checkbox"/>	1000	886.7	88.7

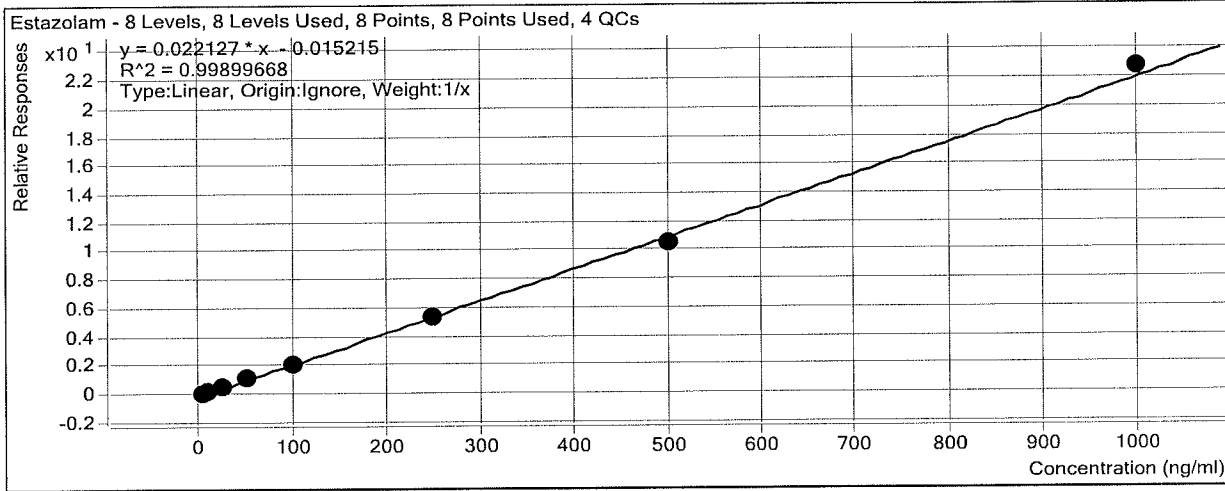
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2018 Data\03212018 mdq\QuantResults\mdq p2a.batch.bin
3/22/2018 7:45 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	<input checked="" type="checkbox"/>	5	5.1	102.8
2a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.5	105.1
2a QC 10	2	<input checked="" type="checkbox"/>	10	11.1	111.1
2a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.8	99.3
2a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.2	98.3
2a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.7	97.7
2a QC 100	5	<input checked="" type="checkbox"/>	100	99.5	99.5
2a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	245.1	98.1
2a QC 250	6	<input checked="" type="checkbox"/>	250	249.2	99.7
2a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	479.8	96.0
2a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1027.7	102.8
2a QC 1000	8	<input checked="" type="checkbox"/>	1000	1021.9	102.2

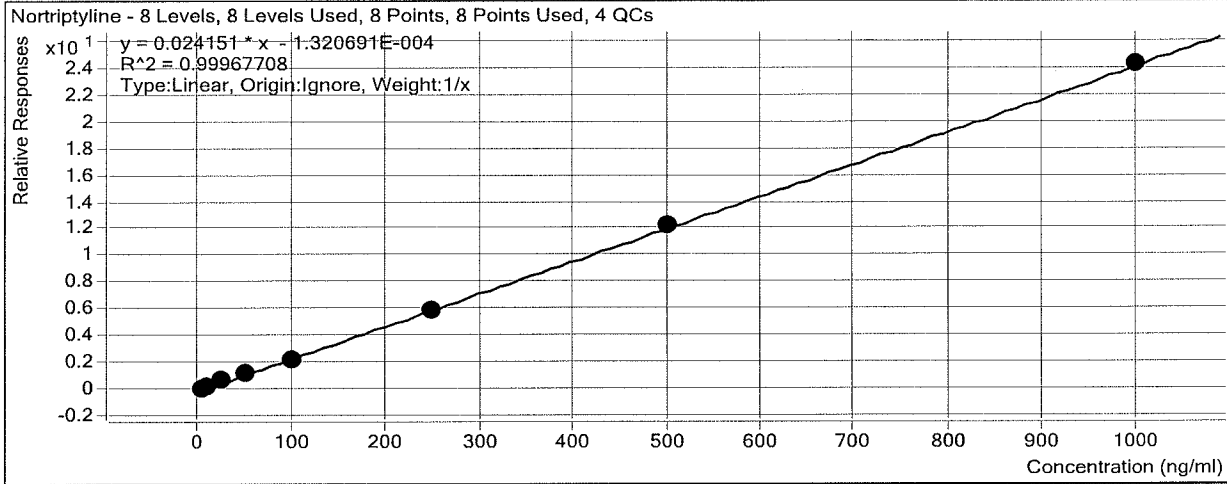
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2018 Data\03212018 mdq\QuantResults\mdq p2a.batch.bin
3/22/2018 7:45 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	<input checked="" type="checkbox"/>	5	5.1	102.3
2a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	99.2
2a QC 10	2	<input checked="" type="checkbox"/>	10	10.4	104.2
2a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.6	106.3
2a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.7	97.5
2a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	94.5	94.5
2a QC 100	5	<input checked="" type="checkbox"/>	100	96.9	96.9
2a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	246.5	98.6
2a QC 250	6	<input checked="" type="checkbox"/>	250	254.8	101.9
2a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	506.4	101.3
2a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1002.2	100.2
2a QC 1000	8	<input checked="" type="checkbox"/>	1000	975.9	97.6

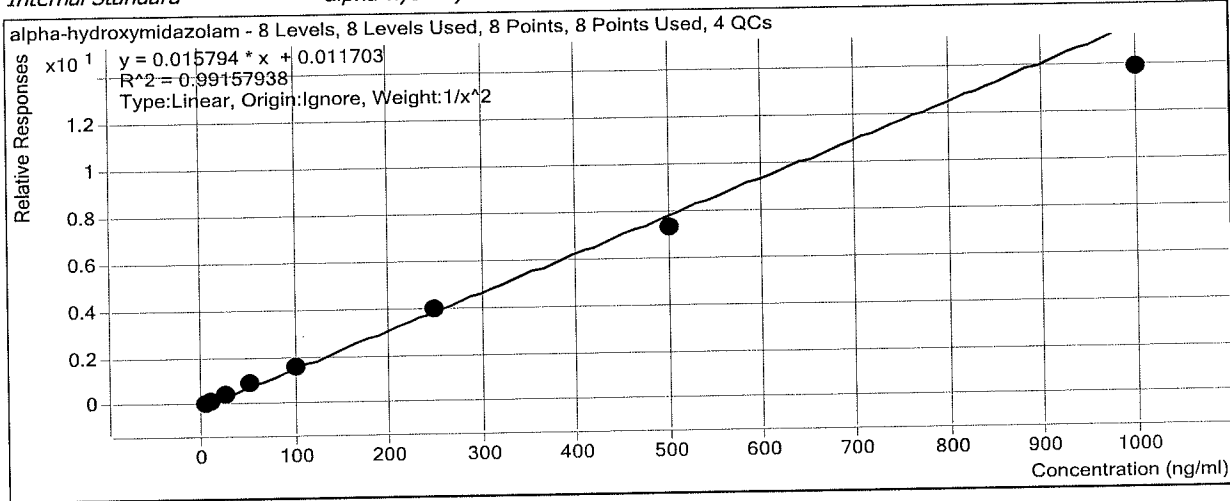
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2018 Data\03212018 mdq\QuantResults\mdq p2a.batch.bin
3/22/2018 7:45 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	<input checked="" type="checkbox"/>	5	4.7	93.9
2a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.7	107.3
2a QC 10	2	<input checked="" type="checkbox"/>	10	11.2	112.2
2a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.9	107.6
2a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	54.8	109.6
2a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.2	101.2
2a QC 100	5	<input checked="" type="checkbox"/>	100	107.7	107.7
2a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	250.5	100.2
2a QC 250	6	<input checked="" type="checkbox"/>	250	257.4	103.0
2a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	460.8	92.2
2a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	879.8	88.0
2a QC 1000	8	<input checked="" type="checkbox"/>	1000	925.3	92.5

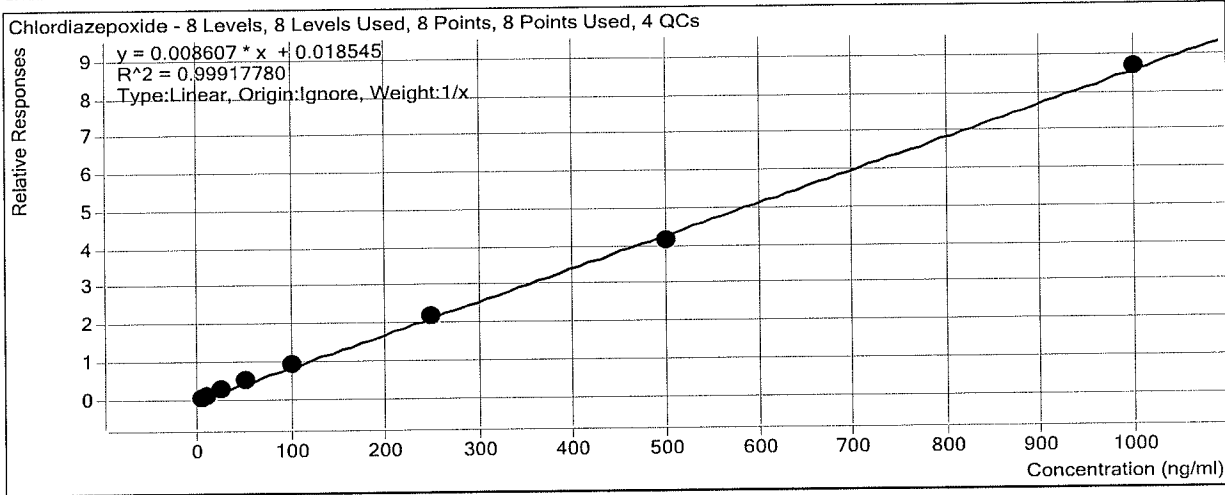
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2018 Data\03212018 mdq\QuantResults\mdq p2a.batch.bin
3/22/2018 7:45 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	<input checked="" type="checkbox"/>	5	4.3	85.9
2a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	95.7
2a QC 10	2	<input checked="" type="checkbox"/>	10	10.3	103.3
2a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.7	106.9
2a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	54.5	108.9
2a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	105.0	105.0
2a QC 100	5	<input checked="" type="checkbox"/>	100	117.7	117.7
2a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	250.6	100.2
2a QC 250	6	<input checked="" type="checkbox"/>	250	266.8	106.7
2a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	483.6	96.7
2a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1005.8	100.6
2a QC 1000	8	<input type="checkbox"/>	1000	1210.2	121.0

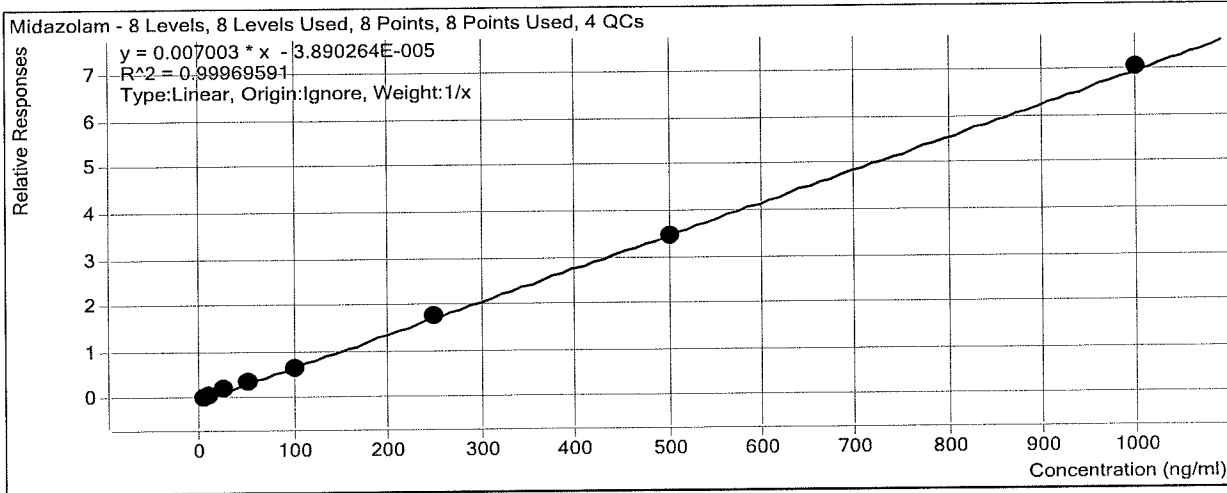
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2018 Data\03212018 mdq\QuantResults\mdq p2a.batch.bin
3/22/2018 7:45 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	<input checked="" type="checkbox"/>	5	5.1	101.3
2a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	98.6
2a QC 10	2	<input checked="" type="checkbox"/>	10	10.0	100.1
2a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.6	106.4
2a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.1	98.1
2a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	94.5	94.5
2a QC 100	5	<input checked="" type="checkbox"/>	100	99.7	99.7
2a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	253.6	101.4
2a QC 250	6	<input checked="" type="checkbox"/>	250	238.4	95.4
2a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	495.9	99.2
2a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1005.4	100.5
2a QC 1000	8	<input checked="" type="checkbox"/>	1000	968.5	96.9

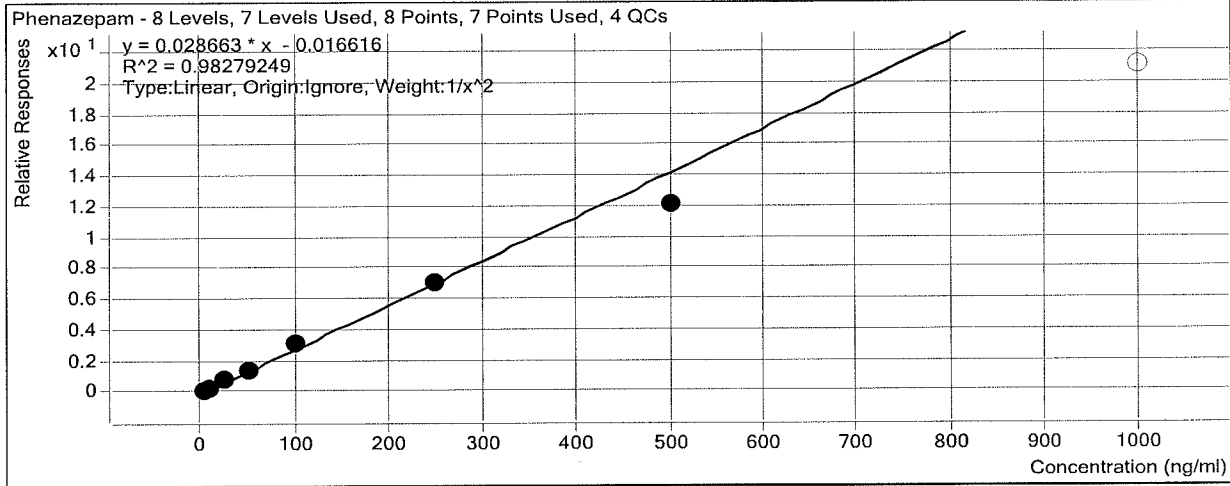
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2018 Data\03212018 mdq\QuantResults\mdq p2a.batch.bin
3/22/2018 7:45 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	<input checked="" type="checkbox"/>	5	4.9	97.2
2a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	98.7
2a QC 10	2	<input checked="" type="checkbox"/>	10	8.6	86.4
2a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	29.8	119.3
2a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.5	93.0
2a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	109.2	109.2
2a QC 100	5	<input checked="" type="checkbox"/>	100	90.2	90.2
2a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	244.4	97.8
2a QC 250	6	<input checked="" type="checkbox"/>	250	246.6	98.6
2a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	424.0	84.8
2a cal 8-1000ng	8	<input type="checkbox"/>	1000	736.9	73.7
2a QC 1000	8	<input checked="" type="checkbox"/>	1000	768.9	76.9

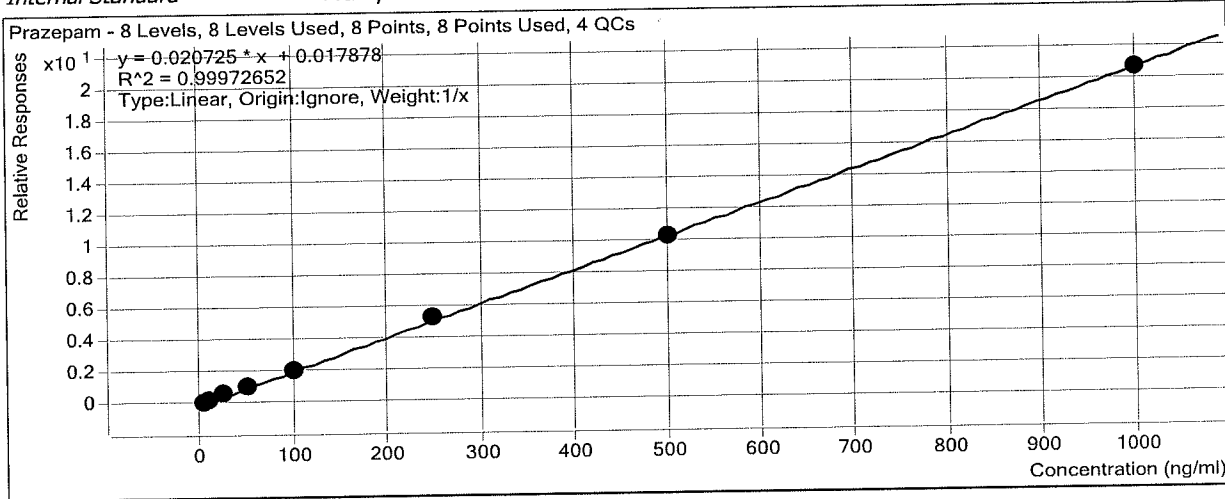
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2018 Data\03212018 mdq\QuantResults\mdq p2a.batch.bin
3/22/2018 7:45 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	<input checked="" type="checkbox"/>	5	4.6	92.1
2a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.5	94.5
2a QC 10	2	<input checked="" type="checkbox"/>	10	10.4	103.8
2a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	27.2	108.8
2a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.5	103.1
2a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.3	100.3
2a QC 100	5	<input checked="" type="checkbox"/>	100	106.4	106.4
2a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	255.7	102.3
2a QC 250	6	<input checked="" type="checkbox"/>	250	250.6	100.2
2a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	497.7	99.5
2a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	993.5	99.4
2a QC 1000	8	<input checked="" type="checkbox"/>	1000	1007.6	100.8

ISP FORENSICS - Cd'A Instrument # 62340

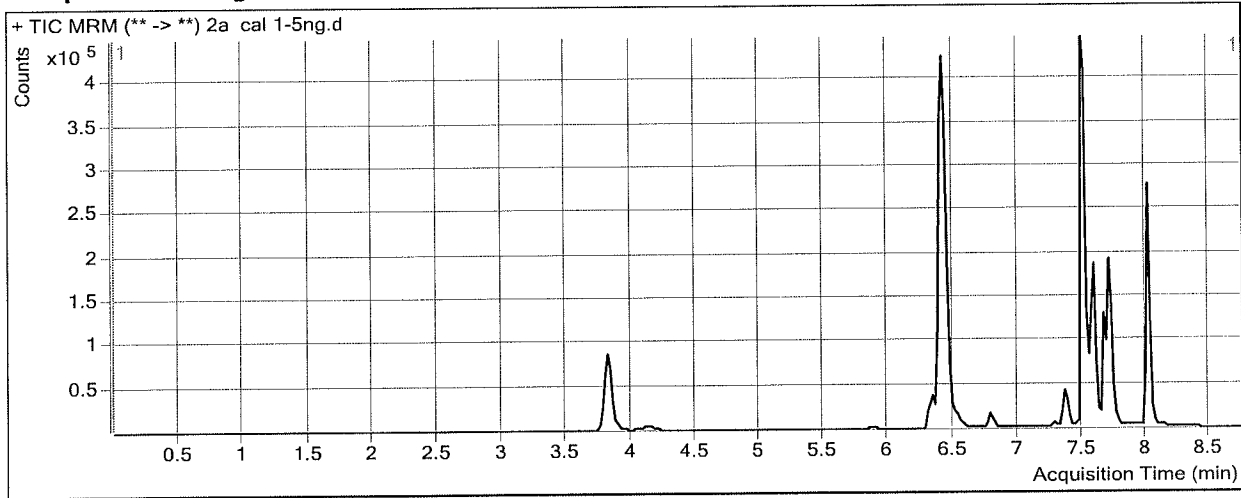
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2018 Data\03212018 mdq\QuantResults\mdq p2a.batch.bin
Analysis Time 3/22/2018 7:45 AM **Analyst Name** ISP Tox
Report Time 3/22/2018 7:47 AM **Reporter Name** ISP Tox
Last Calib Update 3/22/2018 7:45 AM **Batch State** Processed

Analysis Info

Acq Time 2018-03-21 16:17 **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	3.850	36370	337340	0.1078	4.6059
Levamisole	Cocaine-D3	4.144	18665	409366	0.0456	5.9294
Benzoylcegonine	Benzoylcegonine-D8	5.896	1090	5934	0.1837	5.4493
Zopiclone	Zopiclone-D4	6.328	11582	102941	0.1125	4.9788
Cocaine	Cocaine-D3	6.392	53998	409366	0.1319	4.5590
Methylphenidate	Methylphenidate-D4	6.446	77683	645994	0.1203	4.3212
Metoprolol	Methylphenidate-D4	6.461	10724	645994	0.0166	4.8461
Ondansetron	Zopiclone-D4	6.536	23563	102941	0.2289	5.9500
Mirtazapine	Methylphenidate-D4	6.785	26142	645994	0.0405	5.5343
Mitragynine	Doxepin-D3	7.272	2160	103416	0.0209	6.2494
Doxepin	Doxepin-D3	7.364	9166	103416	0.0886	4.3516
Carbamazepine	Carbamazepine-13C6	7.493	107630	1103614	0.0975	4.4906
Protriptyline	Protriptyline-D3	7.551	9323	91058	0.1024	4.9823
Maprotiline	Amitriptyline-D3	7.567	7391	80298	0.0920	4.9236
Amitriptyline	Amitriptyline-D3	7.567	23163	80298	0.2885	5.0255
Estazolam	Estazolam-D5	7.583	18839	191246	0.0985	5.1394
Nortriptyline	Nortriptyline-D3	7.591	10466	84803	0.1234	5.1160
alpha-hydroxymidazolam	alpha-hydroxymidazolam-D4	7.659	21788	253672	0.0859	4.6969
Chlordiazepoxide	Chlordiazepoxide-D5	7.723	11526	207555	0.0555	4.2972
Midazolam	Midazolam-D4	7.701	7309	206386	0.0354	5.0626
Phenazepam	Phenazepam-D4	7.739	1168	9517	0.1227	4.8602
Prazepam	Prazepam-D5	8.004	57235	504933	0.1134	4.6066

ISP FORENSICS - Cd'A Instrument # 62340

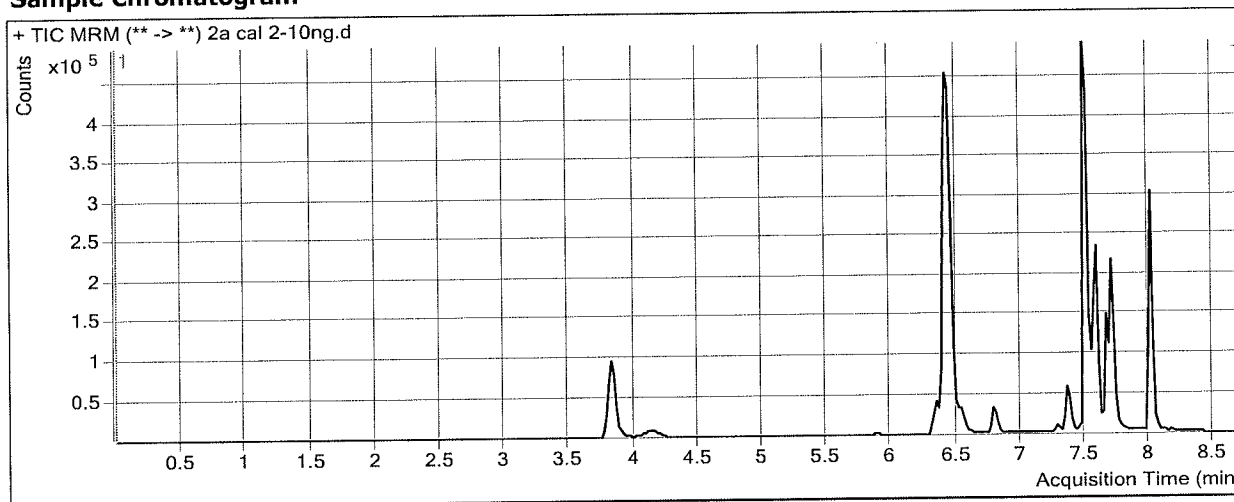
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2018 Data\03212018 mdq\QuantResults\mdq p2a.batch.bin
Analysis Time 3/22/2018 7:45 AM **Analyst Name** ISP Tox
Report Time 3/22/2018 7:47 AM **Reporter Name** ISP Tox
Last Calib Update 3/22/2018 7:45 AM **Batch State** Processed

Analysis Info

Acq Time 2018-03-21 16:29 **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	3.850	74921	341907	0.2191	10.0042
Levamisole	Cocaine-D3	4.144	38163	416689	0.0916	10.4041
Benzoylcegonine	Benzoylcegonine-D8	5.896	2250	5960	0.3776	10.0306
Zopiclone	Zopiclone-D4	6.348	22863	99691	0.2293	10.1591
Cocaine	Cocaine-D3	6.392	107680	416689	0.2584	9.7894
Methylphenidate	Methylphenidate-D4	6.466	162645	681736	0.2386	9.7531
Metoprolol	Methylphenidate-D4	6.481	22260	681736	0.0327	10.1856
Ondansetron	Zopiclone-D4	6.536	50757	99691	0.5091	10.9776
Mirtazapine	Methylphenidate-D4	6.785	57195	681736	0.0839	11.1182
Mitragynine	Doxepin-D3	7.272	5593	126300	0.0443	10.6658
Doxepin	Doxepin-D3	7.364	25225	126300	0.1997	10.5006
Carbamazepine	Carbamazepine-13C6	7.493	213053	1081570	0.1970	9.9333
Protriptyline	Protriptyline-D3	7.551	20863	109423	0.1907	9.4037
Maprotiline	Amitriptyline-D3	7.567	16142	96386	0.1675	9.7762
Amitriptyline	Amitriptyline-D3	7.567	50632	96386	0.5253	9.6087
Estazolam	Estazolam-D5	7.583	38931	179110	0.2174	10.5107
Nortriptyline	Nortriptyline-D3	7.591	23050	96235	0.2395	9.9229
alpha-hydroxymidazolam	alpha-hydroxymidazolam-D4	7.659	45476	250979	0.1812	10.7311
Chlordiazepoxide	Chlordiazepoxide-D5	7.723	20880	206873	0.1009	9.5715
Midazolam	Midazolam-D4	7.701	14855	215272	0.0690	9.8597
Phenazepam	Phenazepam-D4	7.739	2472	9280	0.2664	9.8742
Prazepam	Prazepam-D5	8.004	110646	517512	0.2138	9.4534

ISP FORENSICS - Cd'A Instrument # 62340

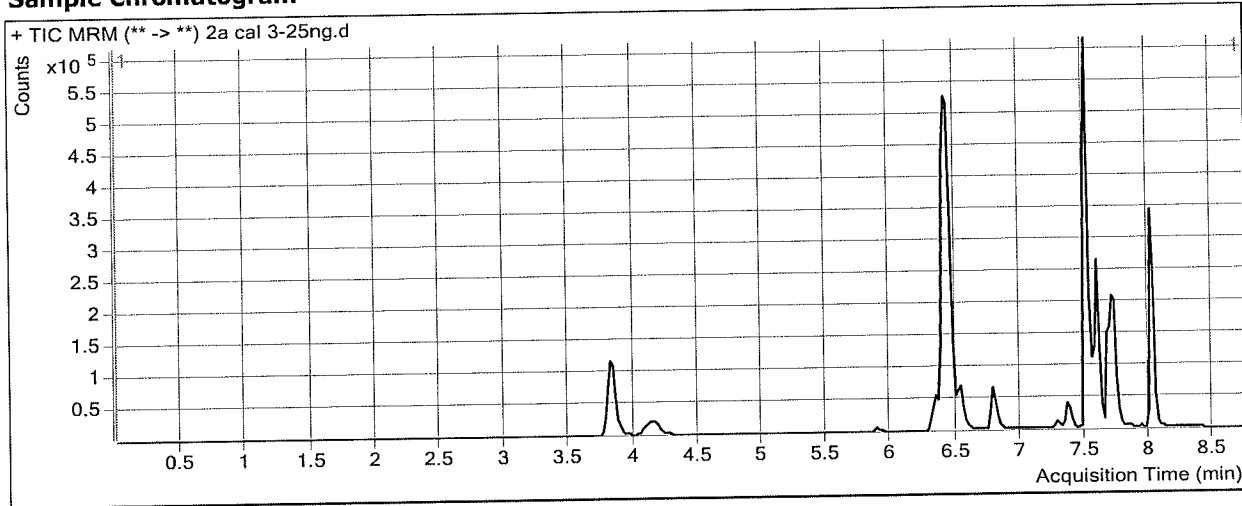
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2018 Data\03212018 mdq\QuantResults\mdq p2a.batch.bin
Analysis Time 3/22/2018 7:45 AM **Analyst Name** ISP Tox
Report Time 3/22/2018 7:47 AM **Reporter Name** ISP Tox
Last Calib Update 3/22/2018 7:45 AM **Batch State** Processed

Analysis Info

Acq Time 2018-03-21 16:42 **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	3.850	177268	320475	0.5531	26.2031
Levamisole	Cocaine-D3	4.144	93895	404518	0.2321	24.0775
Benzoyllecgonine	Benzoyllecgonine-D8	5.896	5891	5751	1.0243	25.3149
Zopiclone	Zopiclone-D4	6.328	56473	97714	0.5779	25.6155
Cocaine	Cocaine-D3	6.392	264147	404518	0.6530	26.1026
Methylphenidate	Methylphenidate-D4	6.446	381164	642058	0.5937	26.0541
Metoprolol	Methylphenidate-D4	6.461	53434	642058	0.0832	27.0084
Ondansetron	Zopiclone-D4	6.536	121737	97714	1.2459	24.1939
Mirtazapine	Methylphenidate-D4	6.785	117111	642058	0.1824	23.7833
Mitragynine	Doxepin-D3	7.272	9039	72826	0.1241	25.7338
Doxepin	Doxepin-D3	7.364	34951	72826	0.4799	26.0104
Carbamazepine	Carbamazepine-13C6	7.513	512054	1048862	0.4882	25.8691
Protriptyline	Protriptyline-D3	7.551	29408	56900	0.5168	25.7414
Maprotiline	Amitriptyline-D3	7.567	20440	46895	0.4359	27.0451
Amitriptyline	Amitriptyline-D3	7.567	63886	46895	1.3623	25.8067
Estazolam	Estazolam-D5	7.583	95331	178508	0.5340	24.8228
Nortriptyline	Nortriptyline-D3	7.591	31490	49053	0.6420	26.5871
alpha-hydroxymidazolam	alpha-hydroxymidazolam-D4	7.679	108151	247732	0.4366	26.8994
Chlordiazepoxide	Chlordiazepoxide-D5	7.723	48004	193130	0.2486	26.7227
Midazolam	Midazolam-D4	7.721	37174	199693	0.1862	26.5882
Phenazepam	Phenazepam-D4	7.739	6461	7707	0.8383	29.8250
Prazepam	Prazepam-D5	8.004	270886	465732	0.5816	27.2012

ISP FORENSICS - Cd'A Instrument # 62340

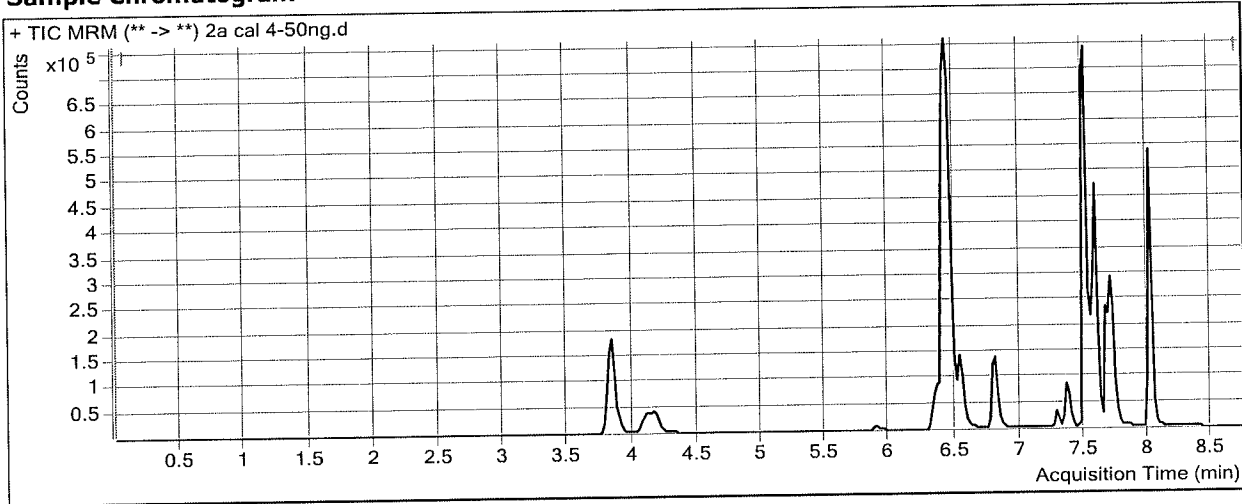
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2018 Data\03212018 mdq\QuantResults\mdq p2a.batch.bin
Analysis Time 3/22/2018 7:45 AM **Analyst Name** ISP Tox
Report Time 3/22/2018 7:47 AM **Reporter Name** ISP Tox
Last Calib Update 3/22/2018 7:45 AM **Batch State** Processed

Analysis Info

Acq Time 2018-03-21 16:55 **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	3.850	376221	356247	1.0561	50.5940
Levamisole	Cocaine-D3	4.164	202627	436962	0.4637	46.6120
Benzoylcegonine	Benzoylcegonine-D8	5.916	11721	6483	1.8079	43.8316
Zopiclone	Zopiclone-D4	6.348	119332	108574	1.0991	48.7233
Cocaine	Cocaine-D3	6.412	555243	436962	1.2707	51.6406
Methylphenidate	Methylphenidate-D4	6.466	805375	684849	1.1760	52.7874
Metoprolol	Methylphenidate-D4	6.481	109199	684849	0.1594	52.3659
Ondansetron	Zopiclone-D4	6.536	261232	108574	2.4060	45.0071
Mirtazapine	Methylphenidate-D4	6.805	270899	684849	0.3956	51.1906
Mitragynine	Doxepin-D3	7.272	21675	108123	0.2005	40.1455
Doxepin	Doxepin-D3	7.364	98595	108123	0.9119	49.9185
Carbamazepine	Carbamazepine-13C6	7.513	993118	1042857	0.9523	51.2658
Protriptyline	Protriptyline-D3	7.551	87095	81907	1.0633	53.1144
Maprotiline	Amitriptyline-D3	7.567	62137	73932	0.8405	53.0766
Amitriptyline	Amitriptyline-D3	7.567	200938	73932	2.7179	52.0389
Estazolam	Estazolam-D5	7.583	184508	171987	1.0728	49.1711
Nortriptyline	Nortriptyline-D3	7.591	89748	76250	1.1770	48.7422
alpha-hydroxymidazolam	alpha-hydroxymidazolam-D4	7.679	215129	245204	0.8773	54.8068
Chlordiazepoxide	Chlordiazepoxide-D5	7.723	94145	193150	0.4874	54.4736
Midazolam	Midazolam-D4	7.701	75283	219119	0.3436	49.0667
Phenazepam	Phenazepam-D4	7.739	11568	8786	1.3167	46.5161
Prazepam	Prazepam-D5	8.004	549543	506138	1.0858	51.5252

ISP FORENSICS - Cd'A Instrument # 62340

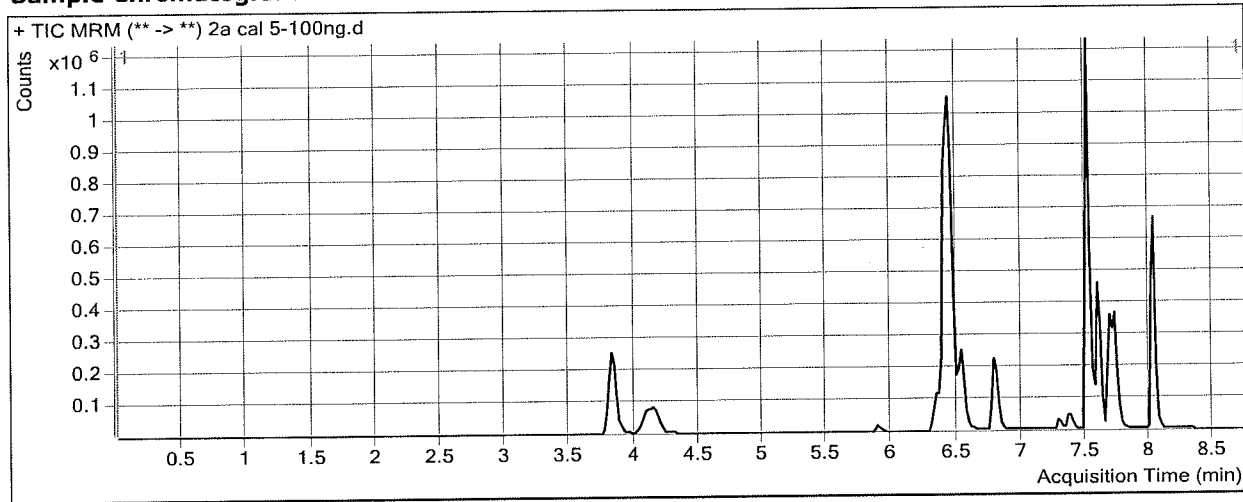
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2018 Data\03212018 mdq\QuantResults\mdq p2a.batch.bin
Analysis Time 3/22/2018 7:45 AM **Analyst Name** ISP Tox
Report Time 3/22/2018 7:47 AM **Reporter Name** ISP Tox
Last Calib Update 3/22/2018 7:45 AM **Batch State** Processed

Analysis Info

Acq Time 2018-03-21 17:07 **Data File** 2a cal 5-100ng.d
Sample Type Calibration **Sample Name** 2a cal 5-100ng
Dilution 1 **Acq Method** MDQ Panel 2a 3-12-17-3.m
Position P1-E5 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 2

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Pseudoephedrine	Pseudoephedrine-D3	3.830	687597	326524	2.1058	101.5038
Levamisole	Cocaine-D3	4.144	394022	421254	0.9354	92.5013
Benzoylcegonine	Benzoylcegonine-D8	5.896	25830	6211	4.1588	99.3919
Zopiclone	Zopiclone-D4	6.348	211723	95752	2.2112	98.0320
Cocaine	Cocaine-D3	6.392	1062736	421254	2.5228	103.4071
Methylphenidate	Methylphenidate-D4	6.466	1432973	629406	2.2767	103.3186
Metoprolol	Methylphenidate-D4	6.461	202366	629406	0.3215	106.2791
Ondansetron	Zopiclone-D4	6.536	476291	95752	4.9742	91.0801
Mirtazapine	Methylphenidate-D4	6.785	427420	629406	0.6791	87.6448
Mitragynine	Doxepin-D3	7.272	23251	47051	0.4942	95.5832
Doxepin	Doxepin-D3	7.364	87061	47051	1.8504	101.8639
Carbamazepine	Carbamazepine-13C6	7.513	1896156	996104	1.9036	103.3210
Protriptyline	Protriptyline-D3	7.551	43680	22391	1.9507	97.5613
Maprotiline	Amitriptyline-D3	7.567	28301	16462	1.7192	109.6159
Amitriptyline	Amitriptyline-D3	7.587	93936	16462	5.7063	109.8713
Estazolam	Estazolam-D5	7.583	382151	178056	2.1462	97.6833
Nortriptyline	Nortriptyline-D3	7.611	42108	18449	2.2824	94.5120
alpha-hydroxymidazolam	alpha-hydroxymidazolam-D4	7.679	383801	238378	1.6101	101.1969
Chlordiazepoxide	Chlordiazepoxide-D5	7.723	155664	168818	0.9221	104.9721
Midazolam	Midazolam-D4	7.721	137999	208548	0.6617	94.4970
Phenazepam	Phenazepam-D4	7.759	19813	6365	3.1126	109.1700
Prazepam	Prazepam-D5	8.024	993990	474029	2.0969	100.3127

ISP FORENSICS - Cd'A Instrument # 62340

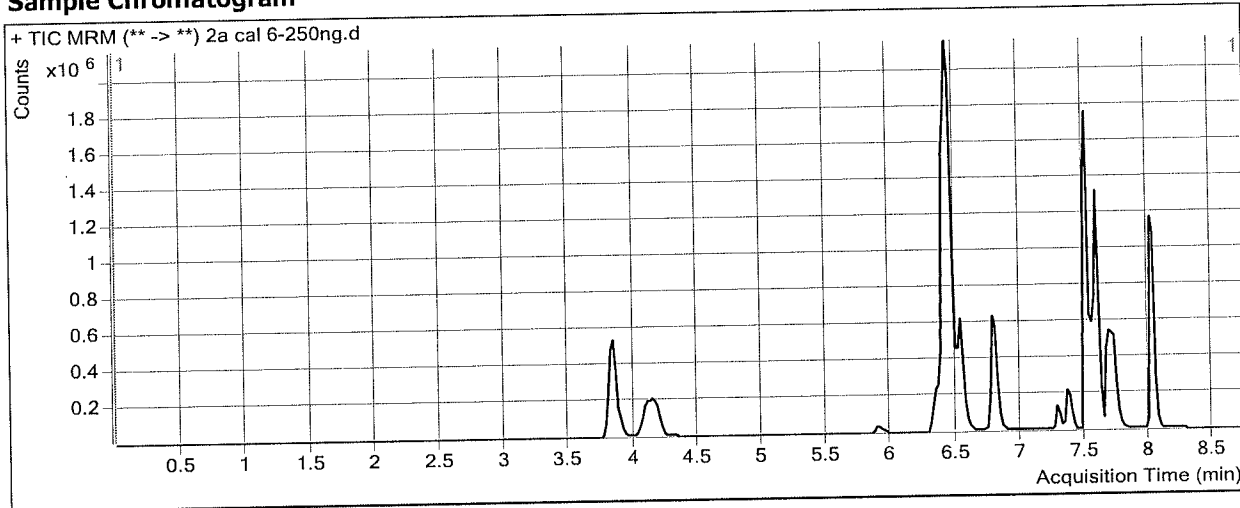
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2018 Data\03212018 mdq\QuantResults\mdq p2a.batch.bin
Analysis Time 3/22/2018 7:45 AM **Analyst Name** ISP Tox
Report Time 3/22/2018 7:47 AM **Reporter Name** ISP Tox
Last Calib Update 3/22/2018 7:45 AM **Batch State** Processed

Analysis Info

Acq Time 2018-03-21 17:20 **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	3.850	1759186	339325	5.1844	250.8067
Levamisole	Cocaine-D3	4.144	1018644	424041	2.4022	235.2262
Benzoyllecgonine	Benzoyllecgonine-D8	5.916	66187	6137	10.7848	255.9817
Zopiclone	Zopiclone-D4	6.348	527922	92226	5.7242	253.7995
Cocaine	Cocaine-D3	6.412	2577388	424041	6.0782	250.3996
Methylphenidate	Methylphenidate-D4	6.466	3740880	656275	5.7002	260.4812
Metoprolol	Methylphenidate-D4	6.481	461963	656275	0.7039	233.4866
Ondansetron	Zopiclone-D4	6.536	1198633	92226	12.9967	235.0015
Mirtazapine	Methylphenidate-D4	6.785	1241919	656275	1.8924	243.6442
Mitragynine	Doxepin-D3	7.272	101462	90096	1.1262	214.8699
Doxepin	Doxepin-D3	7.364	424457	90096	4.7112	260.2113
Carbamazepine	Carbamazepine-13C6	7.513	3711747	793398	4.6783	255.1593
Protriptyline	Protriptyline-D3	7.551	326858	65735	4.9723	248.9075
Maprotiline	Amitriptyline-D3	7.567	235004	58346	4.0278	258.1512
Amitriptyline	Amitriptyline-D3	7.567	751334	58346	12.8772	248.6414
Estazolam	Estazolam-D5	7.583	689461	127466	5.4090	245.1381
Nortriptyline	Nortriptyline-D3	7.591	343779	57745	5.9534	246.5187
alpha-hydroxymidazolam	alpha-hydroxymidazolam-D4	7.679	760343	191603	3.9683	250.5076
Chlordiazepoxide	Chlordiazepoxide-D5	7.723	286421	131660	2.1755	250.5877
Midazolam	Midazolam-D4	7.721	336273	189344	1.7760	253.6139
Phenazepam	Phenazepam-D4	7.739	35718	5111	6.9883	244.3850
Prazepam	Prazepam-D5	8.024	2243439	421926	5.3171	255.6891

ISP FORENSICS - Cd'A Instrument # 62340

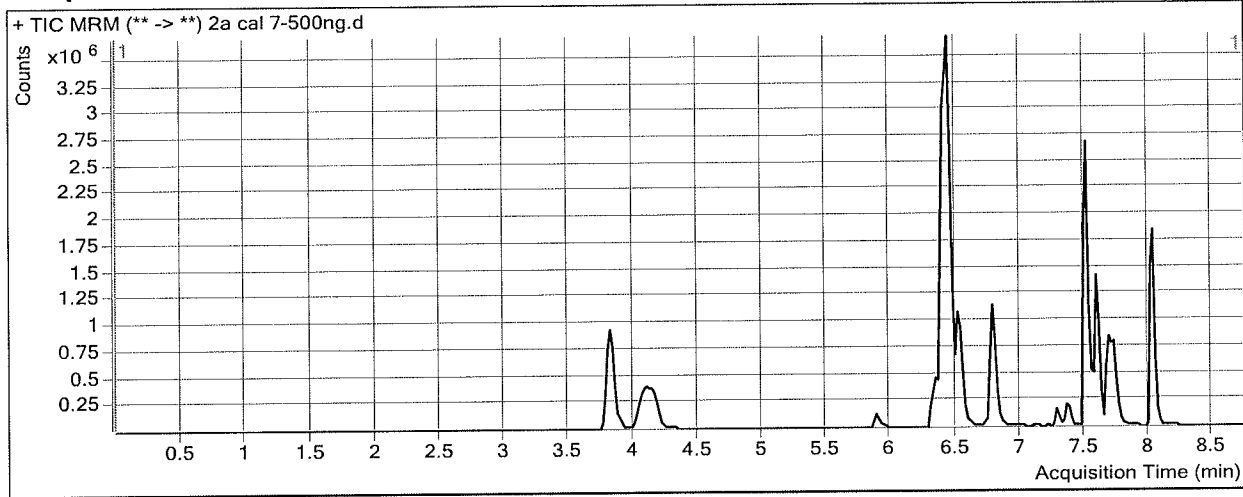
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2018 Data\03212018 mdq\QuantResults\mdq p2a.batch.bin
Analysis Time 3/22/2018 7:45 AM **Analyst Name** ISP Tox
Report Time 3/22/2018 7:47 AM **Reporter Name** ISP Tox
Last Calib Update 3/22/2018 7:45 AM **Batch State** Processed

Analysis Info

Acq Time 2018-03-21 17:33 **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	3.830	3293697	316639	10.4020	503.8518
Levamisole	Cocaine-D3	4.104	2064939	413653	4.9920	487.2021
Benzoylcegonine	Benzoylcegonine-D8	5.896	175927	6242	28.1862	667.2247
Zopiclone	Zopiclone-D4	6.328	918075	82228	11.1650	495.0417
Cocaine	Cocaine-D3	6.392	5037306	413653	12.1776	502.5738
Methylphenidate	Methylphenidate-D4	6.446	6543103	594393	11.0080	504.1525
Metoprolol	Methylphenidate-D4	6.461	794393	594393	1.3365	443.9129
Ondansetron	Zopiclone-D4	6.516	2126358	82228	25.8594	465.7546
Mirtazapine	Methylphenidate-D4	6.785	2181186	594393	3.6696	472.1524
Mitragynine	Doxepin-D3	7.272	121767	47205	2.5796	489.2021
Doxepin	Doxepin-D3	7.364	421947	47205	8.9387	494.2070
Carbamazepine	Carbamazepine-13C6	7.513	6320696	684222	9.2378	504.6636
Protriptyline	Protriptyline-D3	7.551	188180	18857	9.9795	499.7069
Maprotiline	Amitriptyline-D3	7.567	121077	16672	7.2623	466.2638
Amitriptyline	Amitriptyline-D3	7.587	411853	16672	24.7033	477.4980
Estazolam	Estazolam-D5	7.583	1370076	129235	10.6015	479.8042
Nortriptyline	Nortriptyline-D3	7.591	177083	14480	12.2294	506.3874
alpha-hydroxymidazolam	alpha-hydroxymidazolam-D4	7.679	1234278	169310	7.2900	460.8168
Chlordiazepoxide	Chlordiazepoxide-D5	7.723	410963	98293	4.1810	483.5909
Midazolam	Midazolam-D4	7.721	616488	177517	3.4728	495.9211
Phenazepam	Phenazepam-D4	7.759	62071	5115	12.1363	423.9876
Prazepam	Prazepam-D5	8.024	3841098	371738	10.3328	497.6948

ISP FORENSICS - Cd'A Instrument # 62340

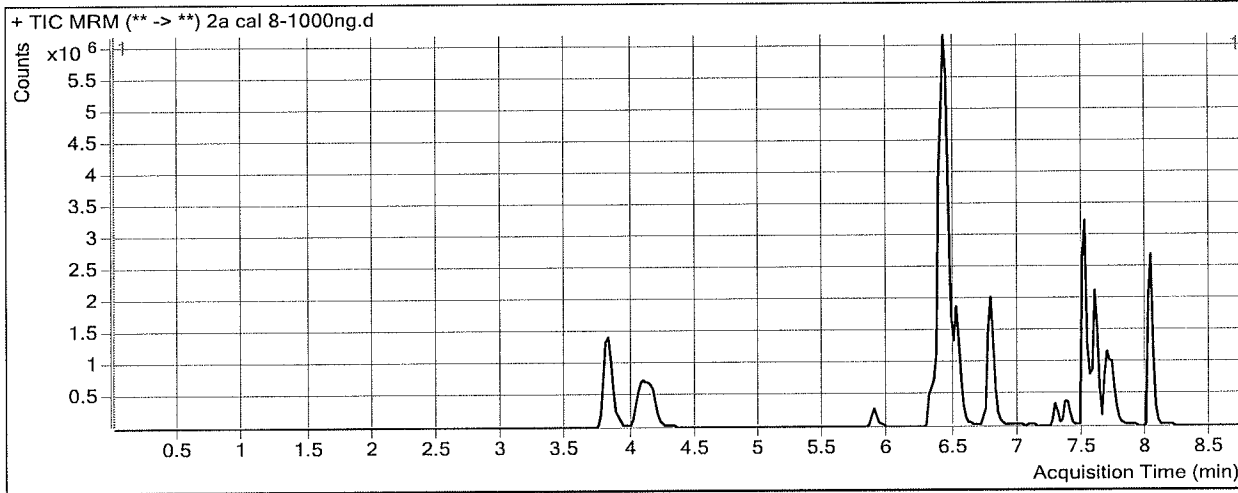
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2018 Data\03212018 mdq\QuantResults\mdq p2a.batch.bin
Analysis Time 3/22/2018 7:45 AM **Analyst Name** ISP Tox
Report Time 3/22/2018 7:47 AM **Reporter Name** ISP Tox
Last Calib Update 3/22/2018 7:45 AM **Batch State** Processed

Analysis Info

Acq Time 2018-03-21 17:45 **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	3.830	5809147	283701	20.4763	992.4304
Levamisole	Cocaine-D3	4.084	3844856	360906	10.6534	1038.0473
Benzoyllecgonine	Benzoyllecgonine-D8	5.896	401475	6244	64.2989	1520.6666
Zopiclone	Zopiclone-D4	6.328	1487475	65713	22.6358	1003.6501
Cocaine	Cocaine-D3	6.392	8663231	360906	24.0041	991.5279
Methylphenidate	Methylphenidate-D4	6.446	11328105	530479	21.3545	979.1320
Metoprolol	Methylphenidate-D4	6.461	1132374	530479	2.1346	709.4225
Ondansetron	Zopiclone-D4	6.516	3883486	65713	59.0974	1062.0353
Mirtazapine	Methylphenidate-D4	6.785	4335902	530479	8.1736	1051.2513
Mitragynine	Doxepin-D3	7.272	274200	49046	5.5907	1057.5502
Doxepin	Doxepin-D3	7.384	880334	49046	17.9491	992.9366
Carbamazepine	Carbamazepine-13C6	7.513	8290231	460032	18.0210	985.2973
Protriptyline	Protriptyline-D3	7.551	386117	19326	19.9795	1000.5827
Maprotiline	Amitriptyline-D3	7.567	254662	19646	12.9627	833.0302
Amitriptyline	Amitriptyline-D3	7.587	927142	19646	47.1930	912.7166
Estazolam	Estazolam-D5	7.583	1925598	84733	22.7255	1027.7304
Nortriptyline	Nortriptyline-D3	7.611	386479	15968	24.2039	1002.2137
alpha-hydroxymidazolam	alpha-hydroxymidazolam-D4	7.679	1724072	123971	13.9070	879.7621
Chlordiazepoxide	Chlordiazepoxide-D5	7.723	520002	59937	8.6758	1005.7844
Midazolam	Midazolam-D4	7.721	982027	139481	7.0406	1005.3910
Phenazepam	Phenazepam-D4	7.759	93358	4424	21.1045	736.8684
Prazepam	Prazepam-D5	8.024	5957484	289073	20.6089	993.5171