

reviewed 9/20/17

9/19/2017

Bylee

Worklist: 1900

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>
C2017-1556	1	95299	AM 28 Blood Multi-Drug Quant
M2017-3500	1	95300	AM 28 Blood Multi-Drug Quant
M2017-3502	1	95301	AM 28 Blood Multi-Drug Quant
M2017-3805	2	95302	AM 28 Blood Multi-Drug Quant



[Handwritten signature]

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

Extraction Date: 9-14-17
Plate lot#: 0507680

Analyst: Anne Nord
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** 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: 91417 Mda Batch Name: 91417 mda p2 b
- 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 _____
- 6. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

COMMENTS: curve limited: Fluorazepam 5-100 nortriptyline 5-250
Primidone 5-250 Verapamil 5-250
Am. triptyline 5-10-1000
Maprotiline - Not evaluated.



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: 2/7/17 lot 2717 ~~8~~ 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 (2717) in 9950 ul blood lot (321632)
ppd 8/7/17 Exp 11/7/17 by AMN Concentration 50 ng/ml each



ISP FORENSICS - Cd'A Instrument # 62340

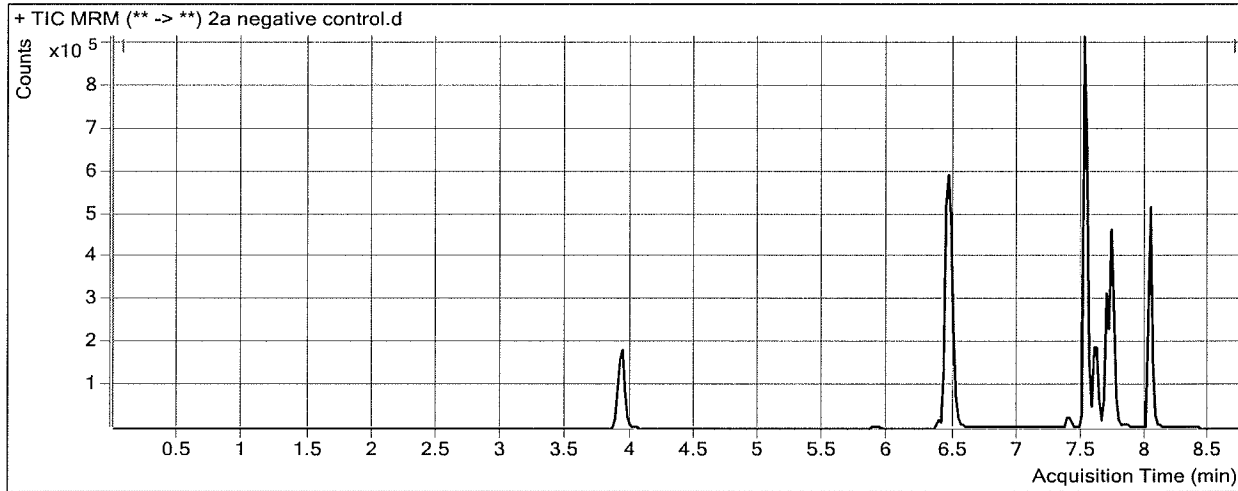
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p2a.batch.bin
Analysis Time 9/20/2017 9:13 AM **Analyst Name** ISP Tox
Report Time 9/20/2017 9:17 AM **Reporter Name** ISP Tox
Last Calib Update 9/20/2017 9:13 AM **Batch State** Processed

Analysis Info

Acq Time 2017-09-15 11:16 **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

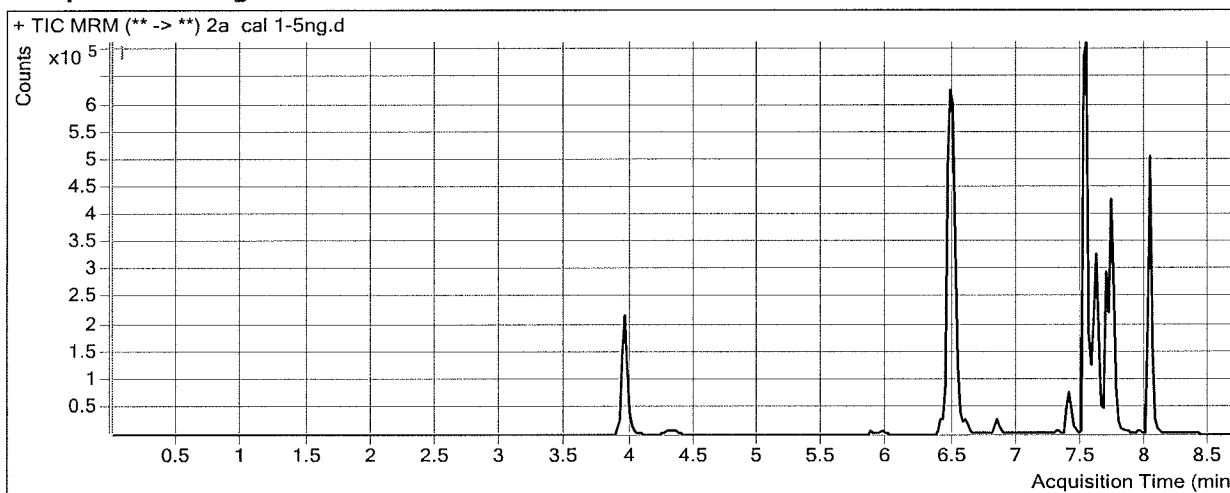
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p2a.batch.bin
Analysis Time 9/20/2017 9:13 AM **Analyst Name** ISP Tox
Report Time 9/20/2017 9:17 AM **Reporter Name** ISP Tox
Last Calib Update 9/20/2017 9:13 AM **Batch State** Processed

Analysis Info

Acq Time 2017-09-15 07:39 **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	3.956	62153	639513	0.0972	5.5513
Levamisole	Cocaine-D3	4.304	27358	656473	0.0417	6.4087
Benzoylcegonine	Benzoylcegonine-D8	5.978	6070	12044	0.5040	5.3619
Zopiclone	Zopiclone-D4	6.408	8299	77775	0.1067	5.7448
Cocaine	Cocaine-D3	6.472	71298	656473	0.1086	5.1982
Metoprolol	Methylphenidate-D4	6.521	17811	1004290	0.0177	4.9027
Methylphenidate	Methylphenidate-D4	6.526	104525	1004290	0.1041	5.0603
Ondansetron	Doxepin-D3	6.598	36974	205195	0.1802	5.4197
Mirtazapine	Doxepin-D3	6.845	44010	205195	0.2145	5.9721
Mitragynine	Doxepin-D3	7.312	4363	205195	0.0213	6.0585
Doxepin	Doxepin-D3	7.404	18181	205195	0.0886	5.5843
Carbamazepine	Carbamazepine-13C6	7.533	162434	1792109	0.0906	5.2509
Protriptyline	Protriptyline-D3	7.571	16105	177124	0.0909	6.0127
Maprotiline	Amitriptyline-D3	7.587	10978	125632	0.0874	0.8227
Estazolam	Estazolam-D5	7.604	33846	346607	0.0977	5.7562
Amitriptyline	Amitriptyline-D3	7.607	33741	125632	0.2686	0.0000
Nortriptyline	Nortriptyline-D3	7.631	16266	161557	0.1007	5.3015
alpha-hydroxymidazolam	alpha-hydroxymidazolam-D4	7.679	46840	554842	0.0844	4.4682
Midazolam	Midazolam-D4	7.721	14077	454111	0.0310	5.1280
Chlordiazepoxide	Chlordiazepoxide-D5	7.743	19321	433916	0.0445	5.1057
Phenazepam	Phenazepam-D4	7.759	2966	23137	0.1282	4.2550
Prazepam	Prazepam-D5	8.024	98250	965944	0.1017	4.8844

ISP FORENSICS - Cd'A Instrument # 62340

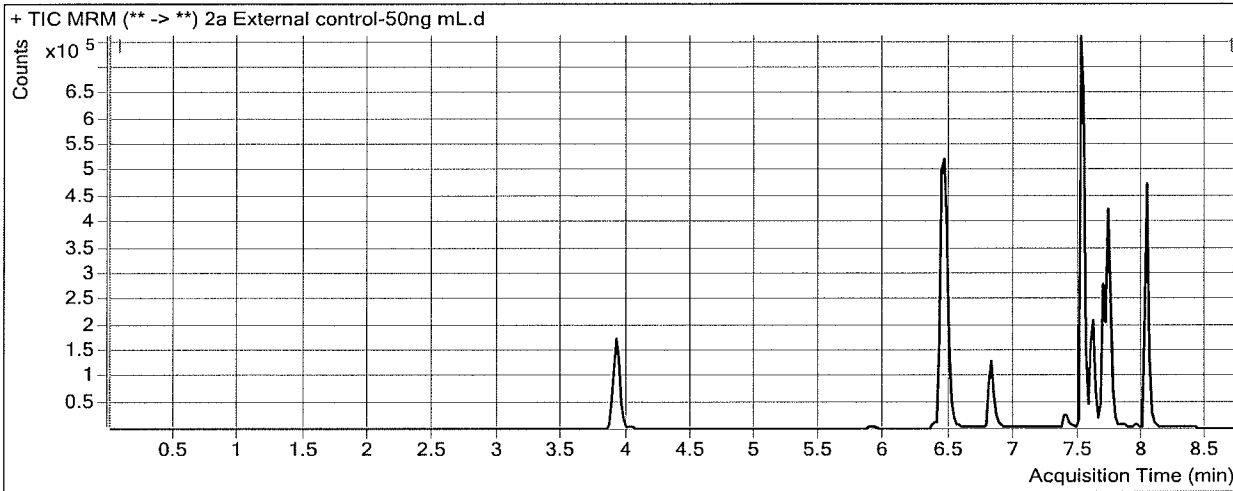
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p2a.batch.bin
Analysis Time 9/20/2017 9:13 AM **Analyst Name** ISP Tox
Report Time 9/20/2017 9:17 AM **Reporter Name** ISP Tox
Last Calib Update 9/20/2017 9:13 AM **Batch State** Processed

Analysis Info

Acq Time 2017-09-15 11:41 **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	Doxepin-D3	6.825	228491	70119	3.2586	34.8215
Maprotiline	Amitriptyline-D3	7.607	5152	28115	0.1832	6.8204
Amitriptyline	Amitriptyline-D3	7.607	37820	28115	1.3452	20.1759

ISP FORENSICS - Cd'A Instrument # 62340

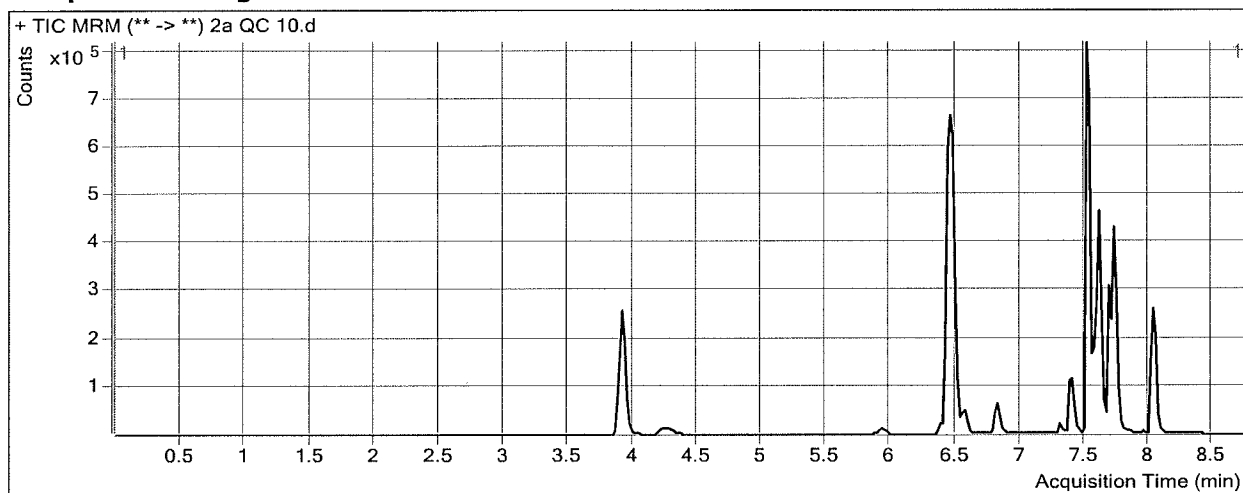
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p2a.batch.bin
Analysis Time 9/20/2017 9:13 AM **Analyst Name** ISP Tox
Report Time 9/20/2017 9:17 AM **Reporter Name** ISP Tox
Last Calib Update 9/20/2017 9:13 AM **Batch State** Processed

Analysis Info

Acq Time 2017-09-15 12:32 **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	3.916	137454	694766	0.1978	10.3365
Levamisole	Cocaine-D3	4.264	53878	610151	0.0883	10.5309
Benzoylcegonine	Benzoylcegonine-D8	5.934	14541	11015	1.3201	10.4496
Zopiclone	Zopiclone-D4	6.368	10801	52088	0.2074	10.0810
Cocaine	Cocaine-D3	6.432	130631	610151	0.2141	9.8825
Metoprolol	Methylphenidate-D4	6.501	35669	1074995	0.0332	9.1445
Methylphenidate	Methylphenidate-D4	6.486	221819	1074995	0.2063	9.7888
Ondansetron	Doxepin-D3	6.577	81624	297228	0.2746	6.3511
Mirtazapine	Doxepin-D3	6.825	109175	297228	0.3673	7.4205
Mitragynine	Doxepin-D3	7.292	13804	297228	0.0464	9.4610
Doxepin	Doxepin-D3	7.404	51969	297228	0.1748	9.9905
Carbamazepine	Carbamazepine-13C6	7.513	307317	1757929	0.1748	9.8378
Protriptyline	Protriptyline-D3	7.571	43079	232555	0.1852	10.3942
Maprotiline	Amitriptyline-D3	7.587	30325	185665	0.1633	5.5749
Estazolam	Estazolam-D5	7.604	63292	336858	0.1879	9.8776
Amitriptyline	Amitriptyline-D3	7.607	89856	185665	0.4840	2.7910
Nortriptyline	Nortriptyline-D3	7.631	45161	215524	0.2095	9.9370
alpha-hydroxymidazolam	alpha-hydroxymidazolam-D4	7.679	90707	541000	0.1677	10.0774
Midazolam	Midazolam-D4	7.721	29339	454104	0.0646	9.9299
Chlordiazepoxide	Chlordiazepoxide-D5	7.743	37277	409806	0.0910	10.3324
Phenazepam	Phenazepam-D4	7.759	6191	20449	0.3027	10.9019
Prazepam	Prazepam-D5	8.024	196757	803403	0.2449	11.9787

Not evaluated

ISP FORENSICS - Cd'A Instrument # 62340

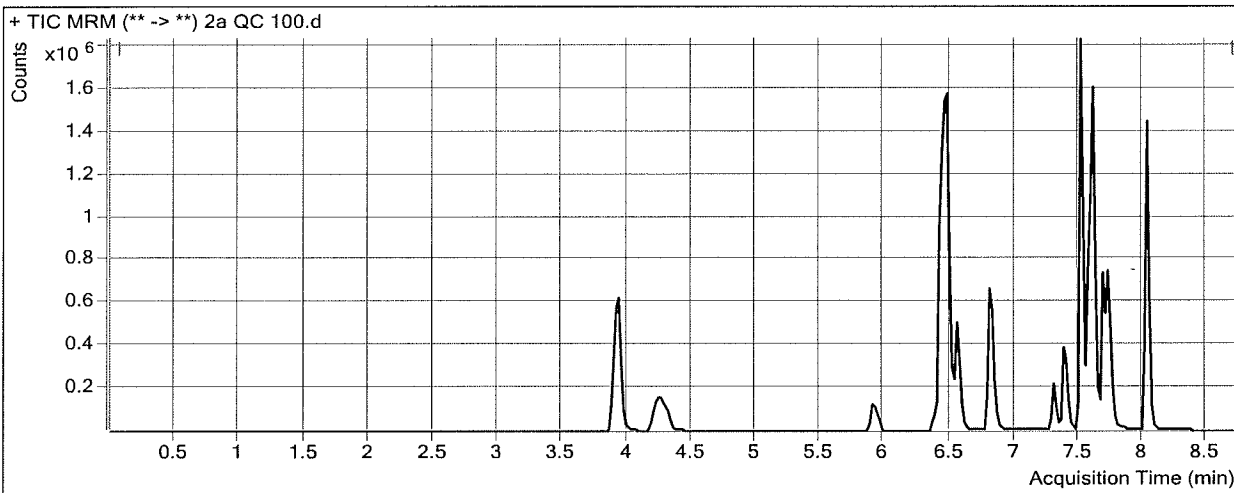
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p2a.batch.bin
Analysis Time 9/20/2017 9:13 AM **Analyst Name** ISP Tox
Report Time 9/20/2017 9:17 AM **Reporter Name** ISP Tox
Last Calib Update 9/20/2017 9:13 AM **Batch State** Processed

Analysis Info

Acq Time 2017-09-15 14:14 **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	3.936	1406306	660119	2.1304	102.2097
Levamisole	Cocaine-D3	4.244	595034	577036	1.0312	93.8882
Benzoylcegonine	Benzoylcegonine-D8	5.916	182506	11171	16.3368	104.0681
Zopiclone	Zopiclone-D4	6.368	101781	45227	2.2504	98.0971
Cocaine	Cocaine-D3	6.432	1340801	577036	2.3236	103.5551
Metoprolol	Methylphenidate-D4	6.481	362676	1041687	0.3482	95.6514
Methylphenidate	Methylphenidate-D4	6.486	2278526	1041687	2.1873	101.3847
Ondansetron	Doxepin-D3	6.556	881753	313705	2.8108	31.3675
Mirtazapine	Doxepin-D3	6.805	1206481	313705	3.8459	40.3873
Mitragynine	Doxepin-D3	7.292	157271	313705	0.5013	70.9269
Doxepin	Doxepin-D3	7.384	574107	313705	1.8301	94.5605
Carbamazepine	Carbamazepine-13C6	7.513	2392779	1327858	1.8020	98.5008
Protriptyline	Protriptyline-D3	7.571	436409	219111	1.9917	94.3169
Maprotiline	Amitriptyline-D3	7.587	299569	188043	1.5931	95.0321
Estazolam	Estazolam-D5	7.604	483233	222271	2.1741	100.5894
Amitriptyline	Amitriptyline-D3	7.607	966191	188043	5.1382	96.7428
Nortriptyline	Nortriptyline-D3	7.611	481500	212252	2.2685	97.6139
alpha-hydroxymidazolam	alpha-hydroxymidazolam-D4	7.679	762018	428949	1.7765	118.4816
Midazolam	Midazolam-D4	7.721	286370	399592	0.7167	103.0839
Chlordiazepoxide	Chlordiazepoxide-D5	7.743	271880	290234	0.9368	105.5303
Phenazepam	Phenazepam-D4	7.759	38140	14140	2.6973	102.0950
Prazepam	Prazepam-D5	8.024	1825044	855853	2.1324	105.4956

Not evaluated

ISP FORENSICS - Cd'A Instrument # 62340

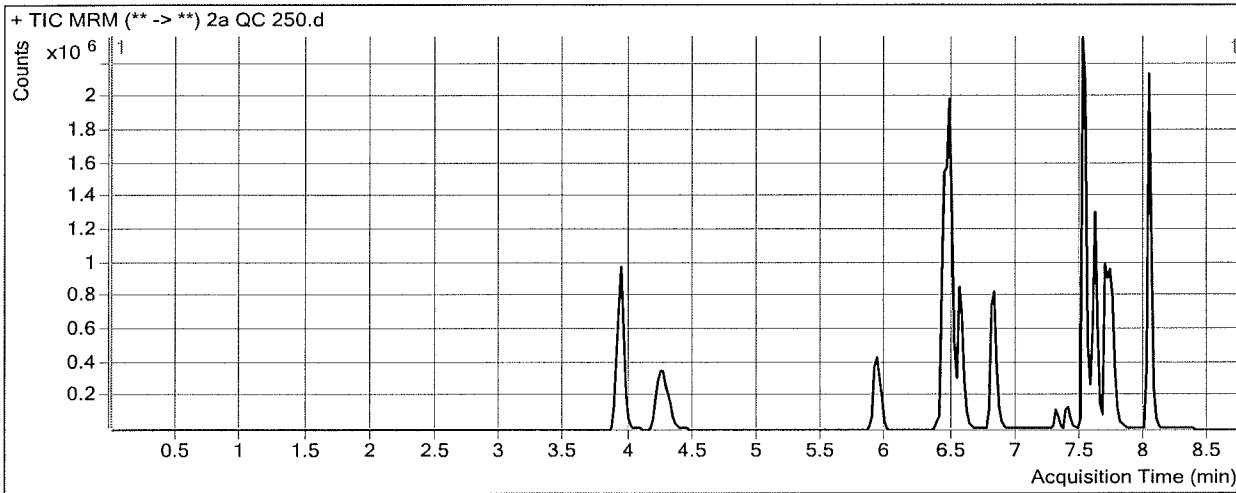
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p2a.batch.bin
Analysis Time 9/20/2017 9:13 AM **Analyst Name** ISP Tox
Report Time 9/20/2017 9:17 AM **Reporter Name** ISP Tox
Last Calib Update 9/20/2017 9:13 AM **Batch State** Processed

Analysis Info

Acq Time 2017-09-15 14:40 **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	3.936	2574067	495322	5.1968	247.9858
Levamisole	Cocaine-D3	4.244	1203609	366001	3.2885	293.4522
Benzoylcegonine	Benzoylcegonine-D8	5.934	620977	9934	62.5111	391.9308
Zopiclone	Zopiclone-D4	6.368	78714	13861	5.6788	245.7898
Cocaine	Cocaine-D3	6.432	2099466	366001	5.7362	255.0933
Metoprolol	Methylphenidate-D4	6.501	619558	548558	1.1294	310.2197
Methylphenidate	Methylphenidate-D4	6.486	2957725	548558	5.3918	249.5509
Ondansetron	Doxepin-D3	6.556	1633848	55359	29.5139	294.7644
Mirtazapine	Doxepin-D3	6.825	1548374	55359	27.9699	269.0105
Mitragynine	Doxepin-D3	7.292	83495	55359	1.5083	206.9847
Doxepin	Doxepin-D3	7.404	247639	55359	4.4734	229.6111
Carbamazepine	Carbamazepine-13C6	7.513	4808152	1080051	4.4518	242.8862
Protriptyline	Protriptyline-D3	7.571	115562	22938	5.0380	235.8348
Maprotiline	Amitriptyline-D3	7.587	67498	19147	3.5253	215.9278
Estazolam	Estazolam-D5	7.604	1198947	231282	5.1839	238.0542
Amitriptyline	Amitriptyline-D3	7.607	225603	19147	11.7830	230.8785
Nortriptyline	Nortriptyline-D3	7.631	105320	18404	5.7228	244.7046
alpha-hydroxymidazolam	alpha-hydroxymidazolam-D4	7.679	1392300	322174	4.3216	289.9748
Midazolam	Midazolam-D4	7.721	544484	310063	1.7560	251.5754
Chlordiazepoxide	Chlordiazepoxide-D5	7.743	451663	204320	2.2106	248.9025
Phenazepam	Phenazepam-D4	7.759	61148	9101	6.7186	255.2416
Prazepam	Prazepam-D5	8.024	3355825	624867	5.3705	265.9233

Not evaluated

ISP FORENSICS - Cd'A Instrument # 62340

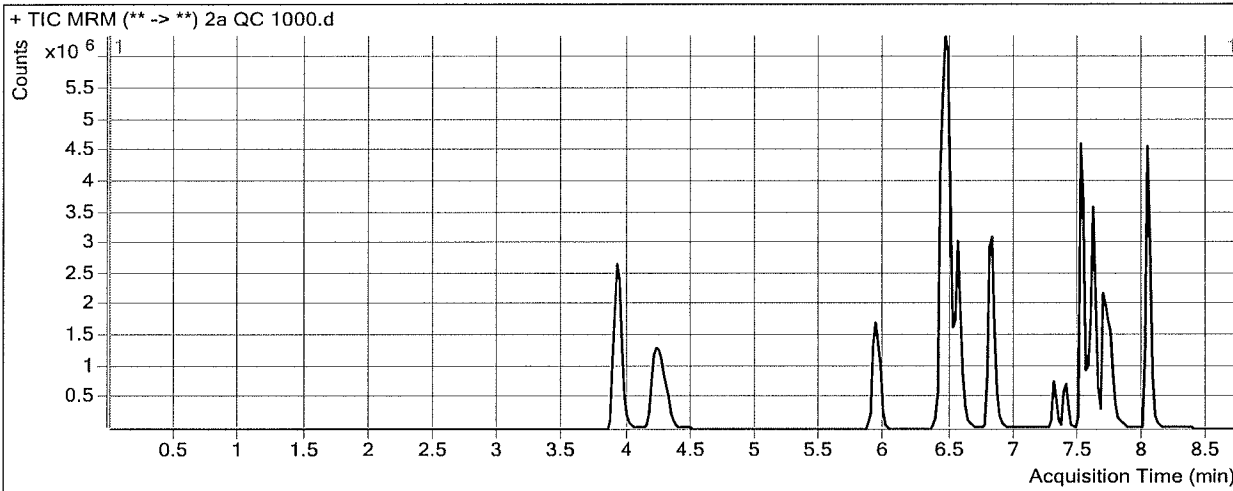
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p2a.batch.bin
Analysis Time 9/20/2017 9:13 AM **Analyst Name** ISP Tox
Report Time 9/20/2017 9:17 AM **Reporter Name** ISP Tox
Last Calib Update 9/20/2017 9:13 AM **Batch State** Processed

Analysis Info

Acq Time 2017-09-15 15:05 **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

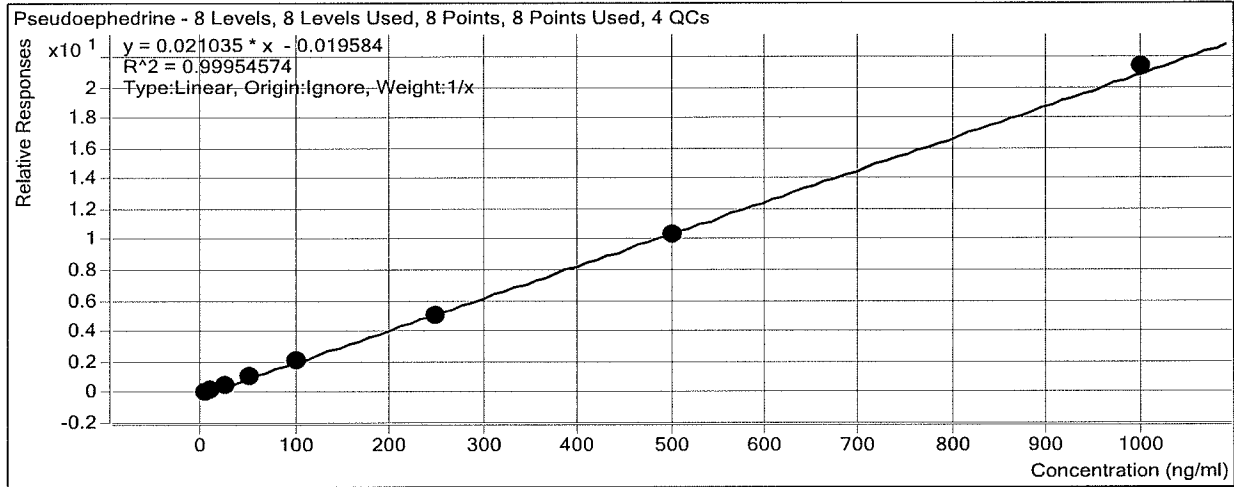
Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Pseudoephedrine	Pseudoephedrine-D3	3.916	8872810	408227	21.7350	1034.2170
Levamisole	Cocaine-D3	4.224	5133483	382310	13.4275	1189.8027
Benzoylcegonine	Benzoylcegonine-D8	5.934	2545187	9975	255.1470	1592.8763
Zopiclone	Zopiclone-D4	6.368	310110	13487	22.9939	991.7265
Cocaine	Cocaine-D3	6.432	8951850	382310	23.4151	1040.1267
Metoprolol	Methylphenidate-D4	6.501	1808014	537196	3.3656	924.3778
Methylphenidate	Methylphenidate-D4	6.486	11668347	537196	21.7208	1004.5597
Ondansetron	Doxepin-D3	6.556	5815104	80073	72.6223	719.9809
Mirtazapine	Doxepin-D3	6.825	6554577	80073	81.8573	779.7016
Mitragynine	Doxepin-D3	7.292	550741	80073	6.8780	932.5484
Doxepin	Doxepin-D3	7.404	1478213	80073	18.4608	944.2590
Carbamazepine	Carbamazepine-13C6	7.513	10459349	581270	17.9940	980.7897
Protriptyline	Protriptyline-D3	7.571	672573	28245	23.8118	1107.9951
Maprotiline	Amitriptyline-D3	7.587	396214	29697	13.3418	830.1251 <i>not evaluated</i>
Estazolam	Estazolam-D5	7.604	2920251	129895	22.4816	1028.0645
Amitriptyline	Amitriptyline-D3	7.607	1406168	29697	47.3502	948.8589
Nortriptyline	Nortriptyline-D3	7.631	657796	27125	24.2504	*1033.6609
alpha-hydroxymidazolam	alpha-hydroxymidazolam-D4	7.679	3366784	218950	15.3769	1034.8998
Midazolam	Midazolam-D4	7.721	1588154	221885	7.1576	1023.2596
Chlordiazepoxide	Chlordiazepoxide-D5	7.743	855685	86948	9.8413	1107.7717
Phenazepam	Phenazepam-D4	7.759	164289	6411	25.6256	975.2959
Prazepam	Prazepam-D5	8.024	9442492	453025	20.8432	1032.5161

ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\91417 mdq\QuantResults\91417 mdq p2a.batch.bin

Last Calib Update 9/16/2017 12:13 PM **Analyst Name** ISP TOX

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



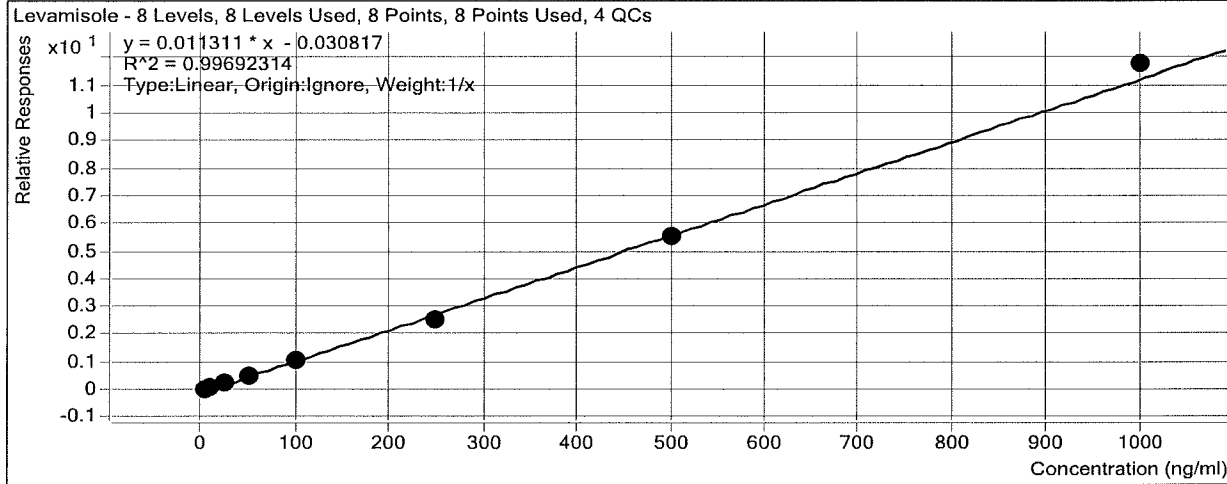
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.6	111.0
2a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	99.7
2a QC 10	2	<input checked="" type="checkbox"/>	10	10.3	103.4
2a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.7	94.7
2a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.4	98.7
2a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.7	98.7
2a QC 100	5	<input checked="" type="checkbox"/>	100	102.2	102.2
2a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	241.5	96.6
2a QC 250	6	<input checked="" type="checkbox"/>	250	248.0	99.2
2a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	494.3	98.9
2a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1017.0	101.7
2a QC 1000	8	<input checked="" type="checkbox"/>	1000	1034.2	103.4

ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\91417 mdq\QuantResults\91417 mdq p2a.batch.bin

Last Calib Update 9/16/2017 12:13 PM **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	6.4	128.2
2a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	100.8
2a QC 10	2	<input checked="" type="checkbox"/>	10	10.5	105.3
2a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	21.8	87.3
2a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.1	94.2
2a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.3	97.3
2a QC 100	5	<input checked="" type="checkbox"/>	100	93.9	93.9
2a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	224.6	89.8
2a QC 250	6	<input checked="" type="checkbox"/>	250	293.5	117.4
2a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	491.6	98.3
2a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1041.1	104.1
2a QC 1000	8	<input checked="" type="checkbox"/>	1000	1189.8	119.0

ISP Forensics Calibration Curve Report

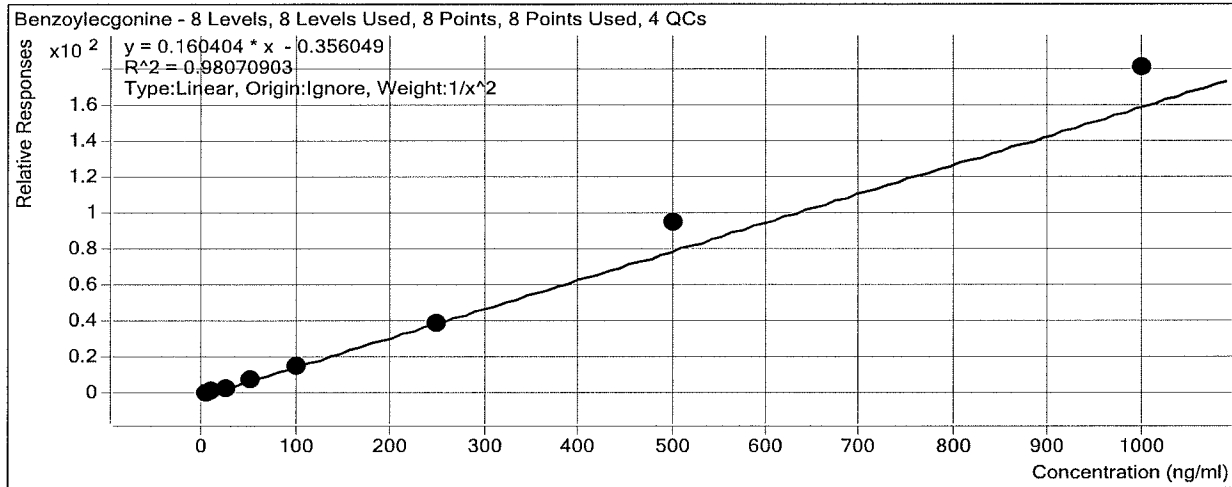
Batch Data Path C:\MyFiles\anord\Documents\blood data\91417 mdq\QuantResults\91417 mdq p2a.batch.bin

Last Calib Update 9/16/2017 12:13 PM

Analyst Name

ISP TOX

Target Compound *Benzoylcegonine*
Internal Standard *Benzoylcegonine-D8*



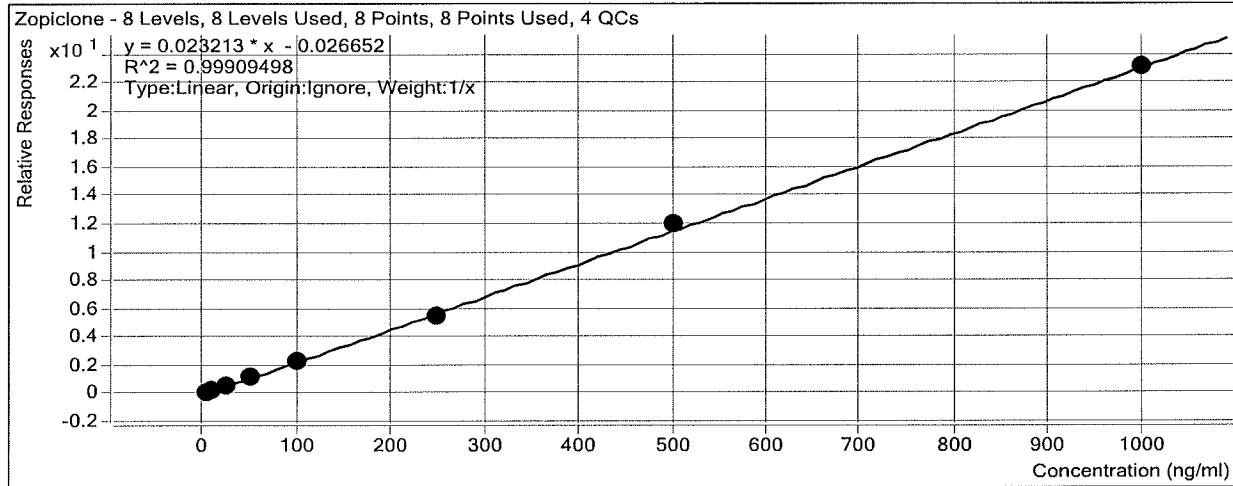
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.4	107.2
2a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.4	94.2
2a QC 10	2	<input checked="" type="checkbox"/>	10	10.4	104.5
2a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	20.8	83.2
2a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	45.8	91.6
2a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	92.8	92.8
2a QC 100	5	<input checked="" type="checkbox"/>	100	104.1	104.1
2a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	246.4	98.6
2a QC 250	6	<input checked="" type="checkbox"/>	250	391.9	156.8
2a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	596.6	119.3
2a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1130.7	113.1
2a QC 1000	8	<input checked="" type="checkbox"/>	1000	1592.9	159.3

ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\91417 mdq\QuantResults\91417 mdq p2a.batch.bin

Last Calib Update 9/16/2017 12:13 PM **Analyst Name** ISP TOX

Target Compound Zopiclone
Internal Standard Zopiclone-D4



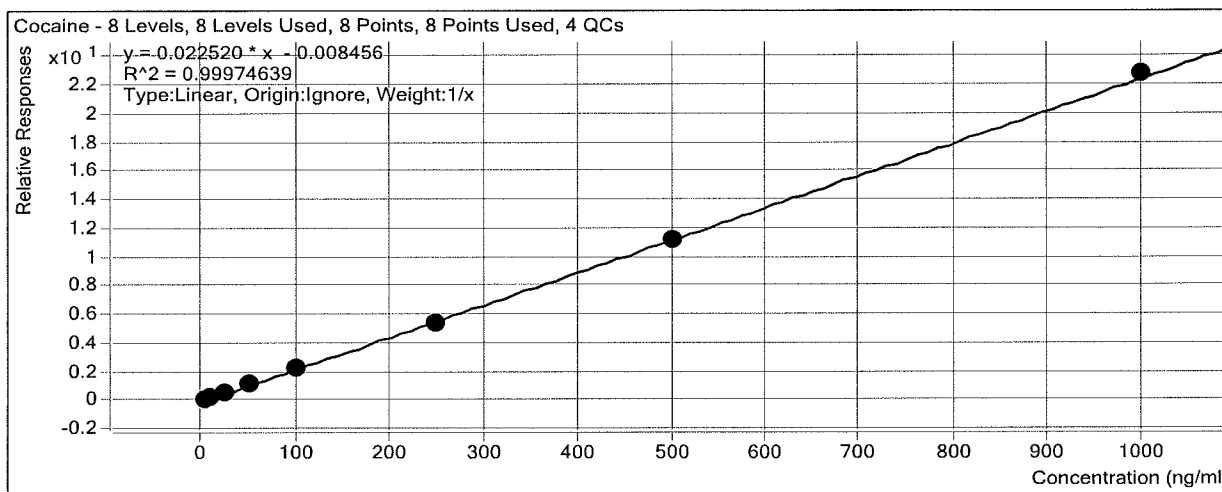
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.7	114.9
2a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	98.5
2a QC 10	2	<input checked="" type="checkbox"/>	10	10.1	100.8
2a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.1	92.2
2a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.1	96.2
2a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.2	99.2
2a QC 100	5	<input checked="" type="checkbox"/>	100	98.1	98.1
2a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	238.8	95.5
2a QC 250	6	<input checked="" type="checkbox"/>	250	245.8	98.3
2a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	519.2	103.8
2a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	996.1	99.6
2a QC 1000	8	<input checked="" type="checkbox"/>	1000	991.7	99.2

ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\91417 mdq\QuantResults\91417 mdq p2a.batch.bin

Last Calib Update 9/16/2017 12:13 PM **Analyst Name** ISP TOX

Target Compound Cocaine
Internal Standard Cocaine-D3



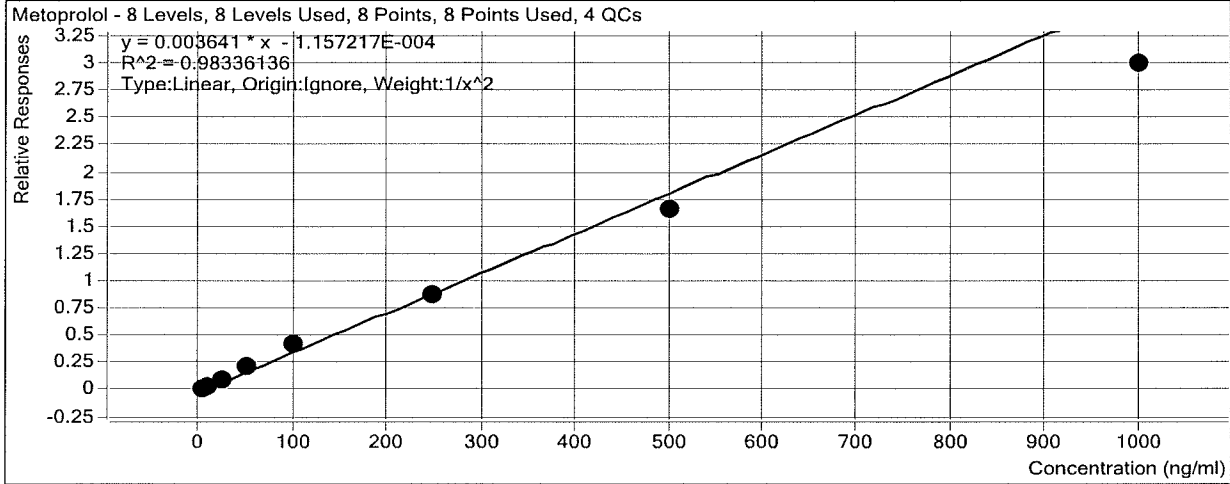
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	104.0
2a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	98.8
2a QC 10	2	<input checked="" type="checkbox"/>	10	9.9	98.8
2a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.0	96.1
2a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.1	102.1
2a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.8	101.8
2a QC 100	5	<input checked="" type="checkbox"/>	100	103.6	103.6
2a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	242.3	96.9
2a QC 250	6	<input checked="" type="checkbox"/>	250	255.1	102.0
2a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	496.5	99.3
2a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1009.3	100.9
2a QC 1000	8	<input checked="" type="checkbox"/>	1000	1040.1	104.0

ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\91417 mdq\QuantResults\91417 mdq p2a.batch.bin

Last Calib Update 9/16/2017 12:13 PM **Analyst Name** ISP TOX

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



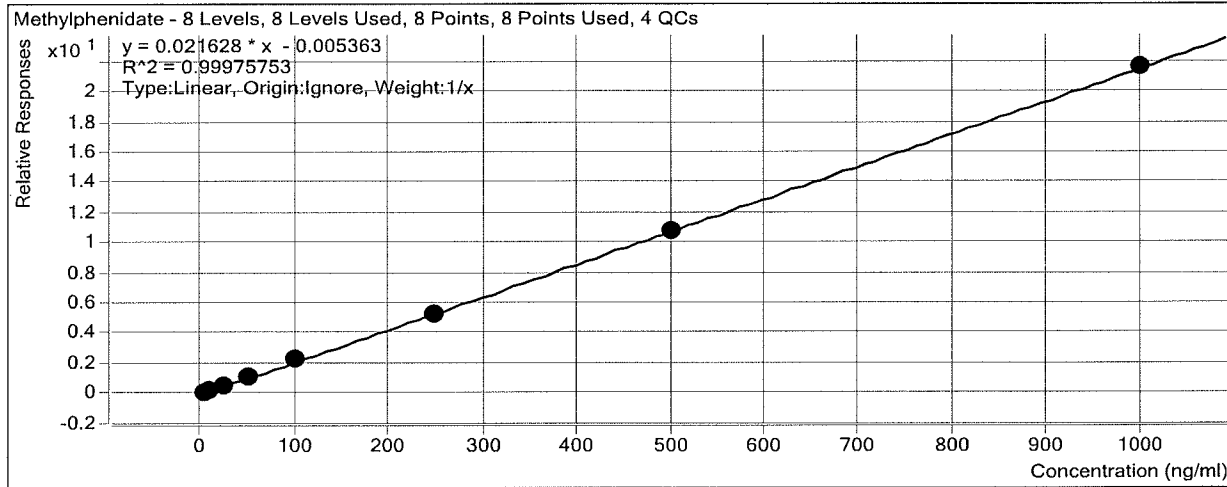
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.9	98.1
2a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	98.7
2a QC 10	2	<input checked="" type="checkbox"/>	10	9.1	91.4
2a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.8	103.1
2a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	56.9	113.8
2a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	116.8	116.8
2a QC 100	5	<input checked="" type="checkbox"/>	100	95.7	95.7
2a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	238.7	95.5
2a QC 250	6	<input checked="" type="checkbox"/>	250	310.2	124.1
2a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	458.7	91.7
2a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	822.6	82.3
2a QC 1000	8	<input checked="" type="checkbox"/>	1000	924.4	92.4

ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\91417 mdq\QuantResults\91417 mdq p2a.batch.bin

Last Calib Update 9/16/2017 12:13 PM **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	5.1	101.2
2a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	95.9
2a QC 10	2	<input checked="" type="checkbox"/>	10	9.8	97.9
2a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.5	98.1
2a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.9	101.8
2a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	105.0	105.0
2a QC 100	5	<input checked="" type="checkbox"/>	100	101.4	101.4
2a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	244.4	97.8
2a QC 250	6	<input checked="" type="checkbox"/>	250	249.6	99.8
2a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	501.8	100.4
2a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	998.7	99.9
2a QC 1000	8	<input checked="" type="checkbox"/>	1000	1004.6	100.5

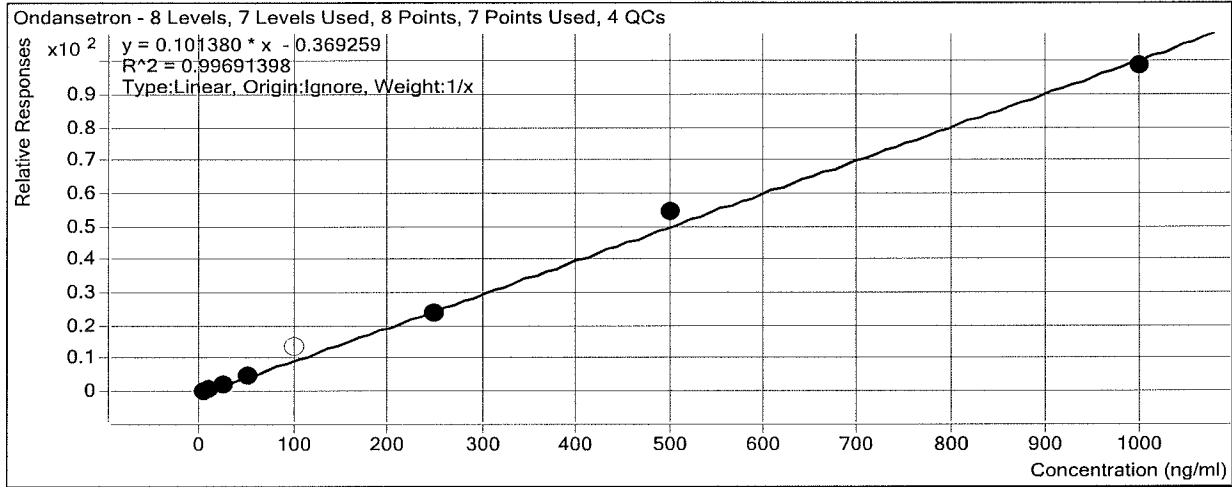
ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\91417 mdq\QuantResults\91417 mdq p2a.batch.bin

Last Calib Update 9/16/2017 12:13 PM

Analyst Name ISP TOX

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



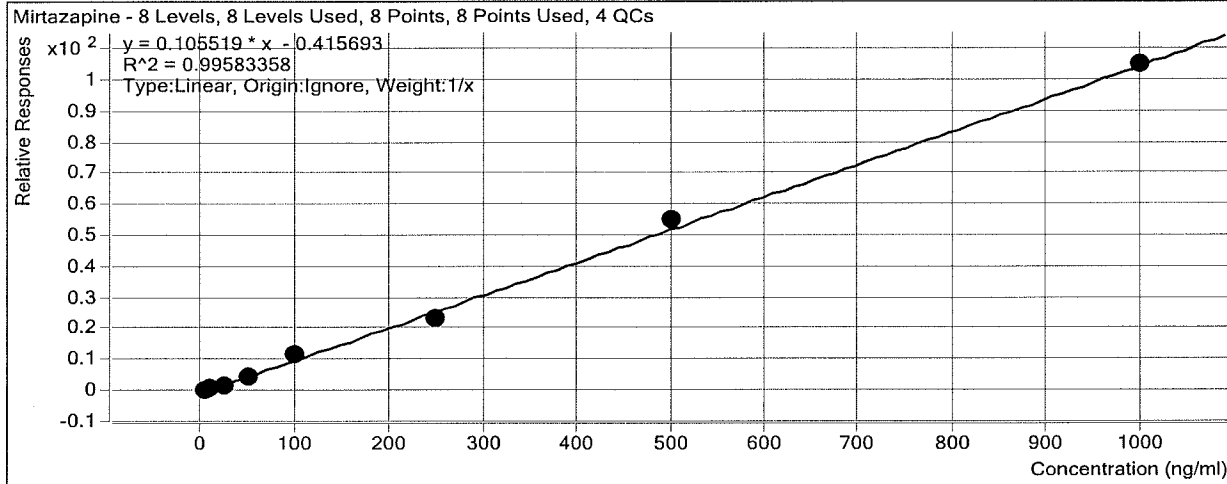
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.4	108.4
2a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	11.2	112.2
2a QC 10	2	<input checked="" type="checkbox"/>	10	6.4	63.5
2a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	21.2	84.7
2a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.8	93.6
2a cal 5-100ng	5	<input type="checkbox"/>	100	134.1	134.1
2a QC 100	5	<input type="checkbox"/>	100	31.4	31.4
2a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	238.7	95.5
2a QC 250	6	<input checked="" type="checkbox"/>	250	294.8	117.9
2a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	540.2	108.0
2a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	976.5	97.6
2a QC 1000	8	<input checked="" type="checkbox"/>	1000	720.0	72.0

ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\91417 mdq\QuantResults\91417 mdq p2a.batch.bin

Last Calib Update 9/16/2017 12:13 PM **Analyst Name** ISP TOX

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



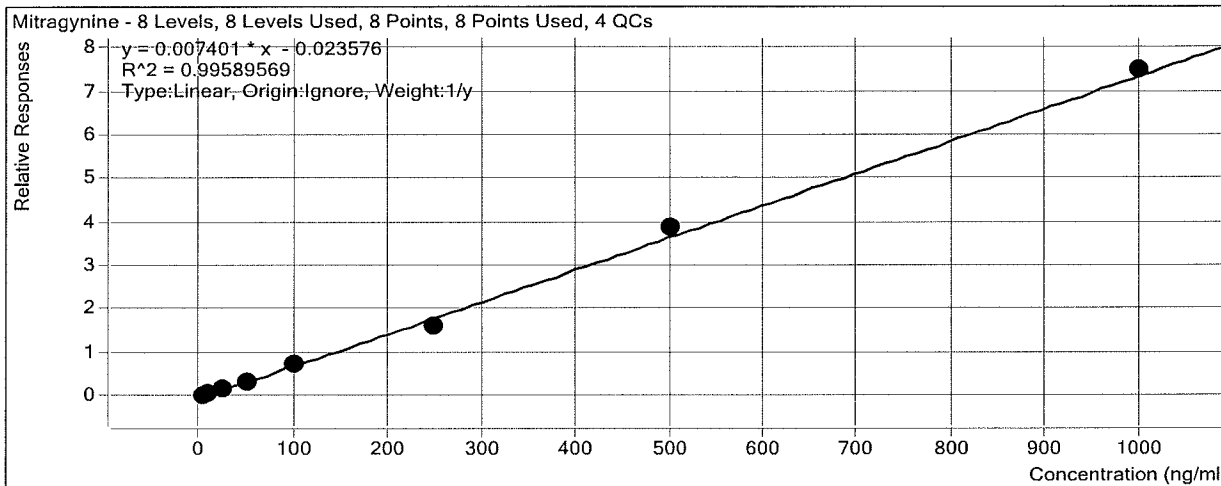
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	6.0	119.4
2a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.9	109.2
2a QC 10	2	<input type="checkbox"/>	10	7.4	74.2
2a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	20.3	81.1
2a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	42.6	85.2
2a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	110.0	110.0
2a QC 100	5	<input checked="" type="checkbox"/>	100	40.4	40.4
2a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	224.5	89.8
2a QC 250	6	<input checked="" type="checkbox"/>	250	269.0	107.6
2a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	527.8	105.6
2a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	998.0	99.8
2a QC 1000	8	<input checked="" type="checkbox"/>	1000	779.7	78.0

ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\91417 mdq\QuantResults\91417 mdq p2a.batch.bin

Last Calib Update 9/16/2017 12:13 PM **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	6.1	121.2
2a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.4	103.9
2a QC 10	2	<input checked="" type="checkbox"/>	10	9.5	94.6
2a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	20.7	82.8
2a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	44.7	89.5
2a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.7	100.7
2a QC 100	5	<input checked="" type="checkbox"/>	100	70.9	70.9
2a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	222.4	89.0
2a QC 250	6	<input checked="" type="checkbox"/>	250	207.0	82.8
2a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	529.6	105.9
2a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1012.8	101.3
2a QC 1000	8	<input checked="" type="checkbox"/>	1000	932.5	93.3

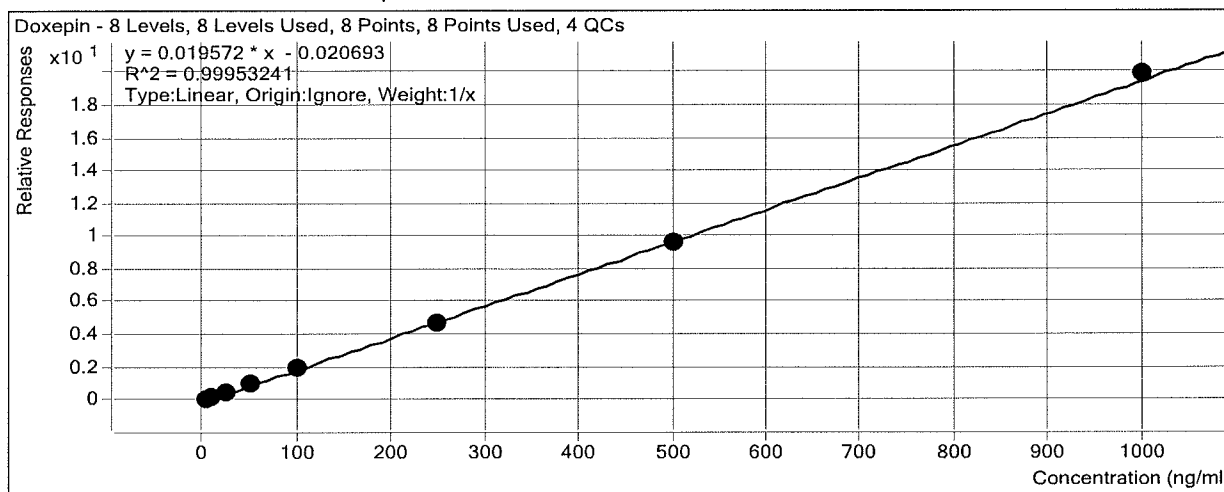
ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\91417 mdq\QuantResults\91417 mdq p2a.batch.bin

Last Calib Update 9/16/2017 12:13 PM

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	5.6	111.7
2a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	97.2
2a QC 10	2	<input checked="" type="checkbox"/>	10	10.0	99.9
2a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.0	92.0
2a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.4	100.7
2a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.9	100.9
2a QC 100	5	<input checked="" type="checkbox"/>	100	94.6	94.6
2a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	244.4	97.7
2a QC 250	6	<input checked="" type="checkbox"/>	250	229.6	91.8
2a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	490.0	98.0
2a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1016.0	101.6
2a QC 1000	8	<input checked="" type="checkbox"/>	1000	944.3	94.4

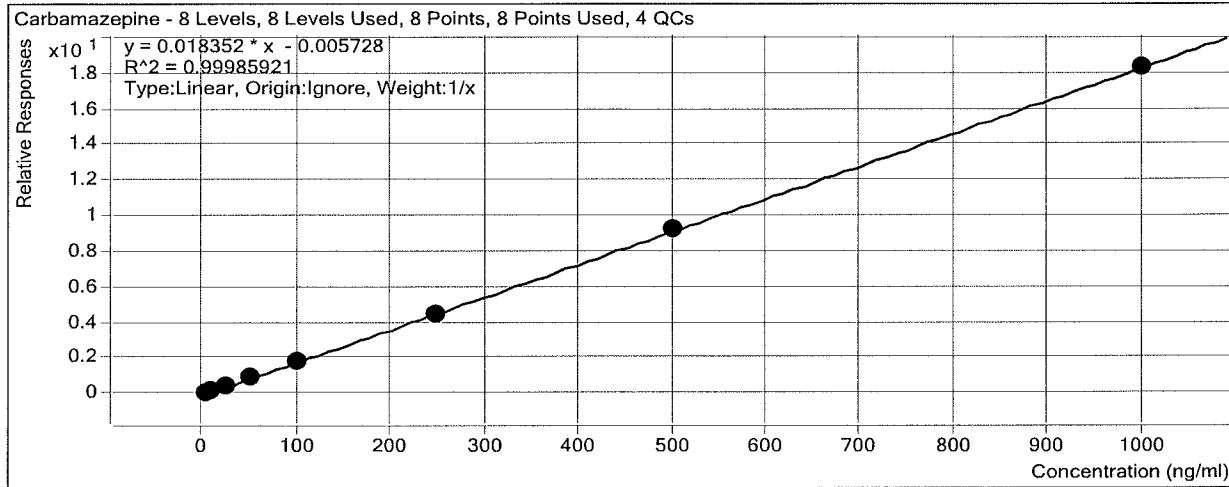
ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\91417 mdq\QuantResults\91417 mdq p2a.batch.bin

Last Calib Update 9/16/2017 12:13 PM

Analyst Name ISP TOX

Target Compound Carbamazepine
Internal Standard Carbamazepine-13C6



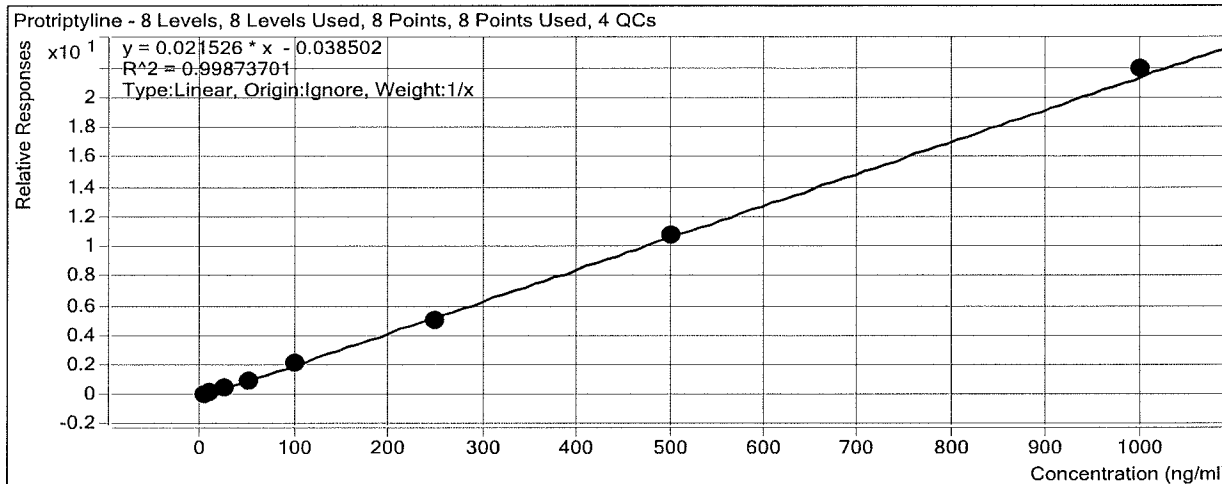
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.3	105.0
2a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	98.6
2a QC 10	2	<input checked="" type="checkbox"/>	10	9.8	98.4
2a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.1	96.2
2a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.1	100.1
2a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.5	100.5
2a QC 100	5	<input checked="" type="checkbox"/>	100	98.5	98.5
2a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	245.8	98.3
2a QC 250	6	<input checked="" type="checkbox"/>	250	242.9	97.2
2a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	507.6	101.5
2a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	996.9	99.7
2a QC 1000	8	<input checked="" type="checkbox"/>	1000	980.8	98.1

ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\91417 mdq\QuantResults\91417 mdq p2a.batch.bin

Last Calib Update 9/16/2017 12:13 PM **Analyst Name** ISP TOX

Target Compound *Protriptyline*
Internal Standard *Protriptyline-D3*



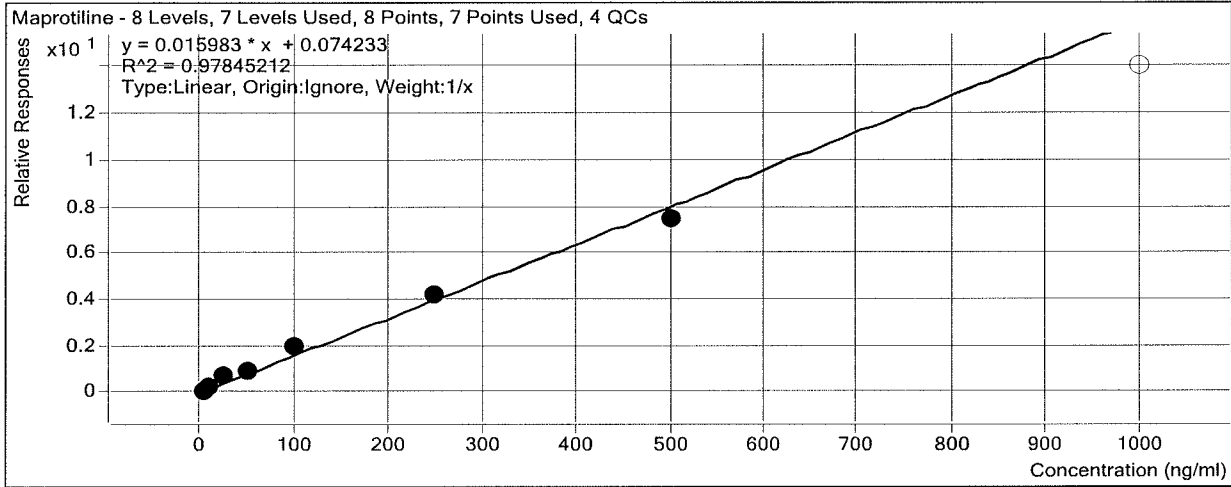
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	6.0	120.3
2a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	96.4
2a QC 10	2	<input checked="" type="checkbox"/>	10	10.4	103.9
2a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.7	90.8
2a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.0	95.9
2a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.7	101.7
2a QC 100	5	<input checked="" type="checkbox"/>	100	94.3	94.3
2a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	231.7	92.7
2a QC 250	6	<input checked="" type="checkbox"/>	250	235.8	94.3
2a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	501.3	100.3
2a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1018.9	101.9
2a QC 1000	8	<input checked="" type="checkbox"/>	1000	1108.0	110.8

ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\91417 mdq\QuantResults\91417 mdq p2a.batch.bin

Last Calib Update 9/16/2017 12:13 PM **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	0.8	16.5
2a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	11.3	112.6
2a QC 10	2	<input checked="" type="checkbox"/>	10	5.6	55.7
2a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	39.6	158.3
2a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.9	99.7
2a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	117.5	117.5
2a QC 100	5	<input checked="" type="checkbox"/>	100	95.0	95.0
2a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	256.3	102.5
2a QC 250	6	<input checked="" type="checkbox"/>	250	215.9	86.4
2a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	464.8	93.0
2a cal 8-1000ng	8	<input type="checkbox"/>	1000	871.6	87.2
2a QC 1000	8	<input type="checkbox"/>	1000	830.1	83.0

Not evaluated in
this run. *A*

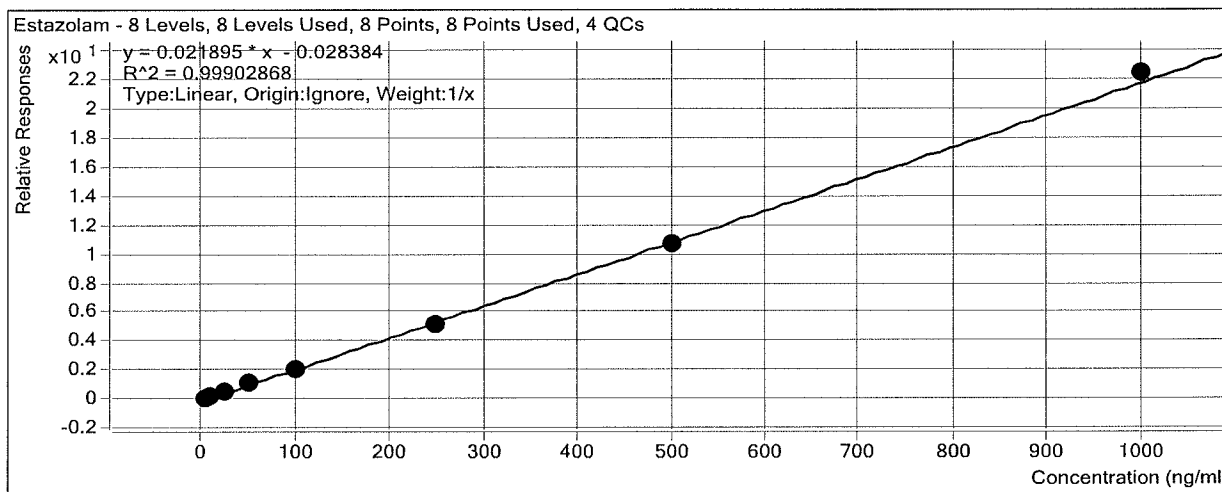
ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\91417 mdq\QuantResults\91417 mdq p2a.batch.bin

Last Calib Update 9/16/2017 12:13 PM

Analyst Name ISP TOX

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



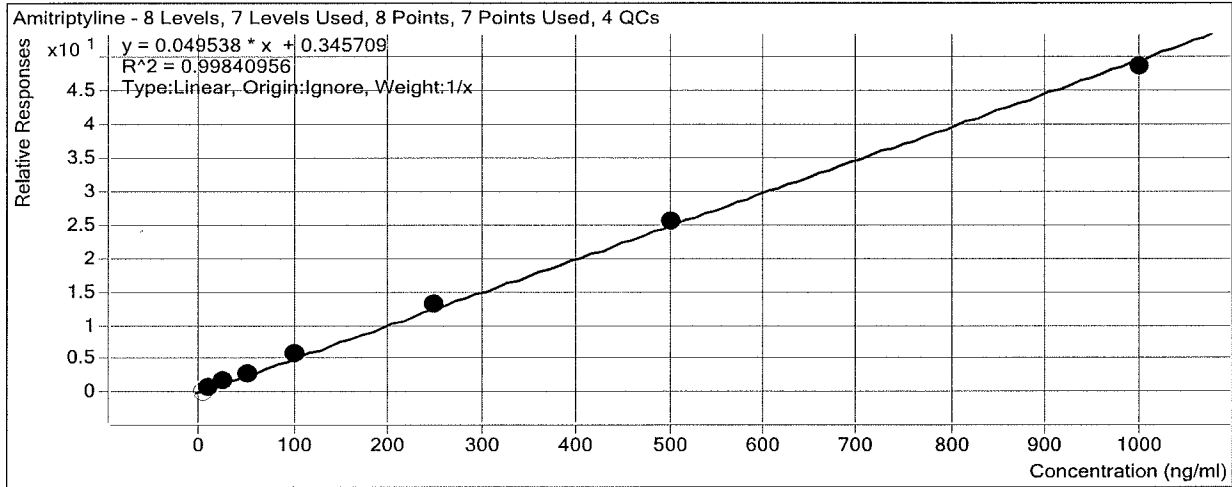
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.8	115.1
2a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	98.9
2a QC 10	2	<input checked="" type="checkbox"/>	10	9.9	98.8
2a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.5	93.9
2a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.3	98.6
2a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.9	97.9
2a QC 100	5	<input checked="" type="checkbox"/>	100	100.6	100.6
2a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	236.4	94.6
2a QC 250	6	<input checked="" type="checkbox"/>	250	238.1	95.2
2a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	492.6	98.5
2a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1024.7	102.5
2a QC 1000	8	<input checked="" type="checkbox"/>	1000	1028.1	102.8

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p2a.batch.bin

Last Calib Update 9/20/2017 9:13 AM **Analyst Name** ISP TOX

Target Compound Amitriptyline
Internal Standard Amitriptyline-D3



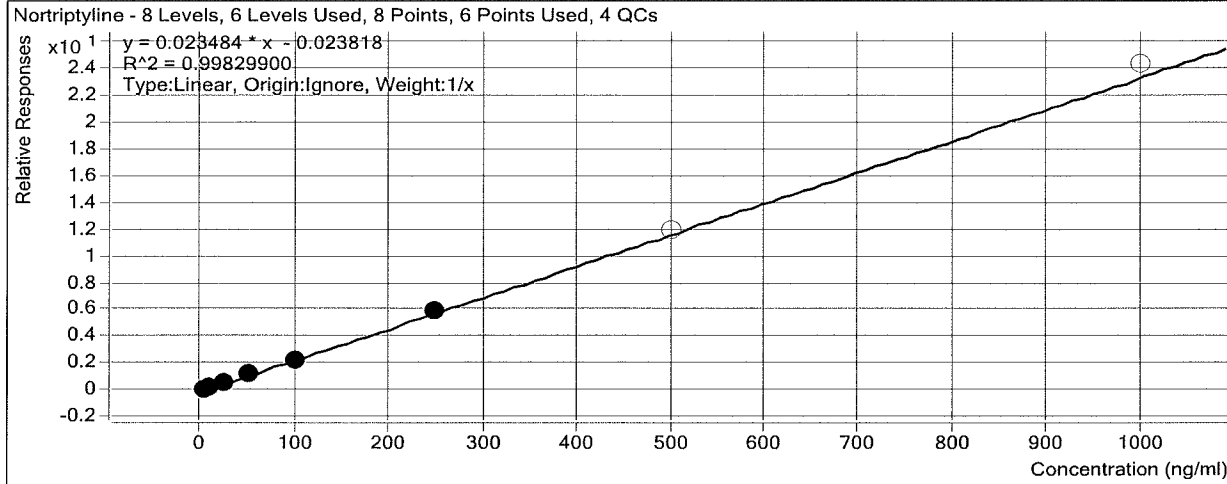
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2a cal 1-5ng	1	<input type="checkbox"/>	5	0.0	0.0
2a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	8.5	84.5
2a QC 10	2	<input checked="" type="checkbox"/>	10	2.8	27.9
2a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.6	106.3
2a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.1	96.2
2a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	109.9	109.9
2a QC 100	5	<input checked="" type="checkbox"/>	100	96.7	96.7
2a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	260.3	104.1
2a QC 250	6	<input checked="" type="checkbox"/>	250	230.9	92.4
2a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	508.2	101.6
2a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	973.5	97.4
2a QC 1000	8	<input checked="" type="checkbox"/>	1000	948.9	94.9

ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\91417 mdq\QuantResults\91417 mdq p2a.batch.bin

Last Calib Update 9/16/2017 12:13 PM **Analyst Name** ISP TOX

Target Compound Nortriptyline
Internal Standard Nortriptyline-D3



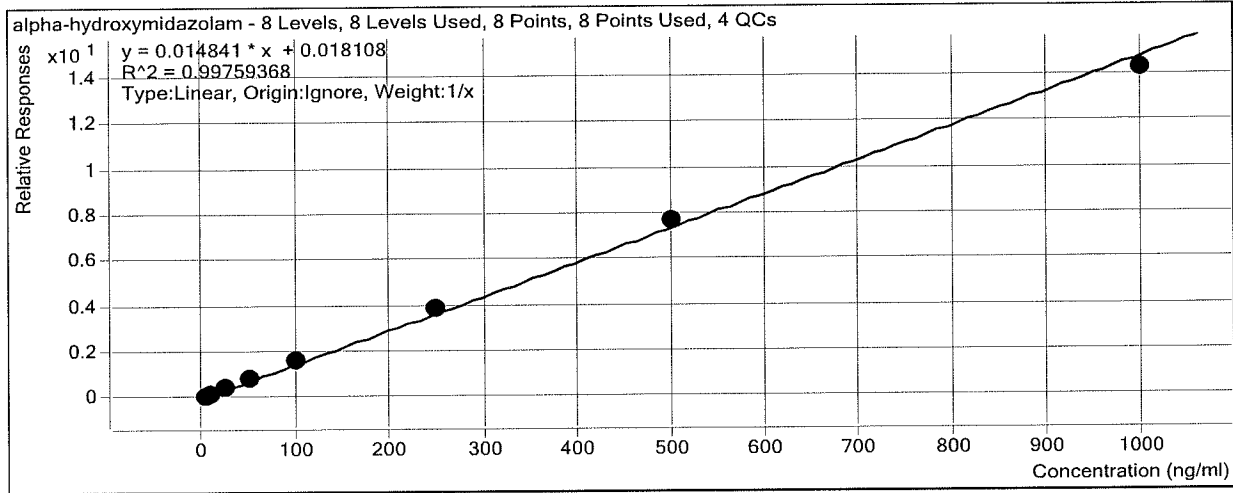
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.3	106.0
2a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.5	105.4
2a QC 10	2	<input checked="" type="checkbox"/>	10	9.9	99.4
2a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.8	91.0
2a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.8	99.5
2a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	95.6	95.6
2a QC 100	5	<input checked="" type="checkbox"/>	100	97.6	97.6
2a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	256.0	102.4
2a QC 250	6	<input checked="" type="checkbox"/>	250	244.7	97.9
2a cal 7-500ng	7	<input type="checkbox"/>	500	513.7	102.7
2a cal 8-1000ng	8	<input type="checkbox"/>	1000	1036.7	103.7
2a QC 1000	8	<input type="checkbox"/>	1000	1033.7	103.4

ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\91417 mdq\QuantResults\91417 mdq p2a.batch.bin

Last Calib Update 9/16/2017 12:13 PM **Analyst Name** ISP TOX

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



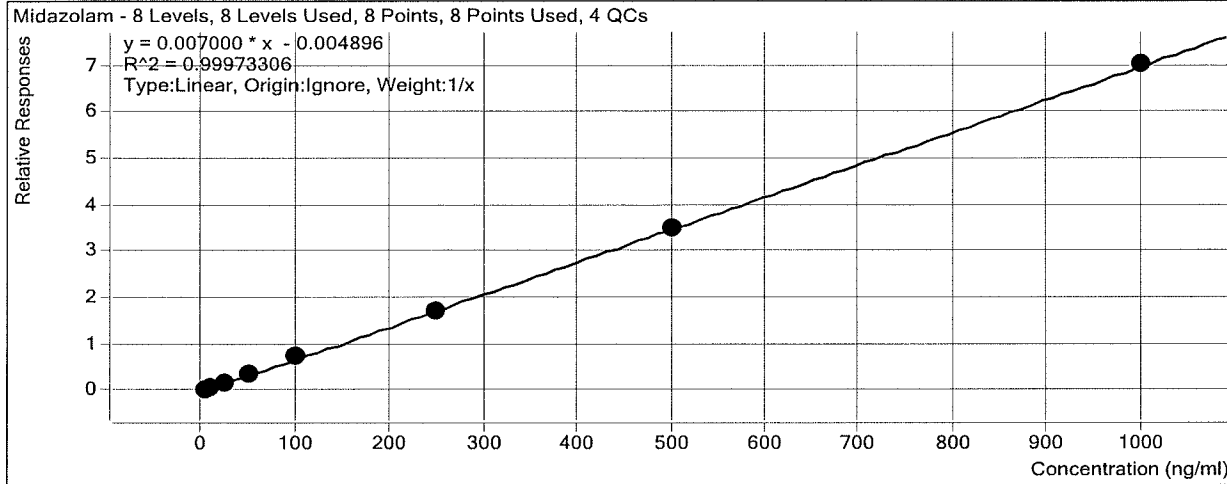
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.5	89.4
2a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	8.9	88.7
2a QC 10	2	<input checked="" type="checkbox"/>	10	10.1	100.8
2a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.3	101.3
2a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	53.6	107.2
2a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	108.9	108.9
2a QC 100	5	<input checked="" type="checkbox"/>	100	118.5	118.5
2a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	262.6	105.0
2a QC 250	6	<input checked="" type="checkbox"/>	250	290.0	116.0
2a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	517.9	103.6
2a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	958.3	95.8
2a QC 1000	8	<input checked="" type="checkbox"/>	1000	1034.9	103.5

ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\91417 mdq\QuantResults\91417 mdq p2a.batch.bin

Last Calib Update 9/16/2017 12:13 PM **Analyst Name** ISP TOX

Target Compound Midazolam
Internal Standard Midazolam-D4



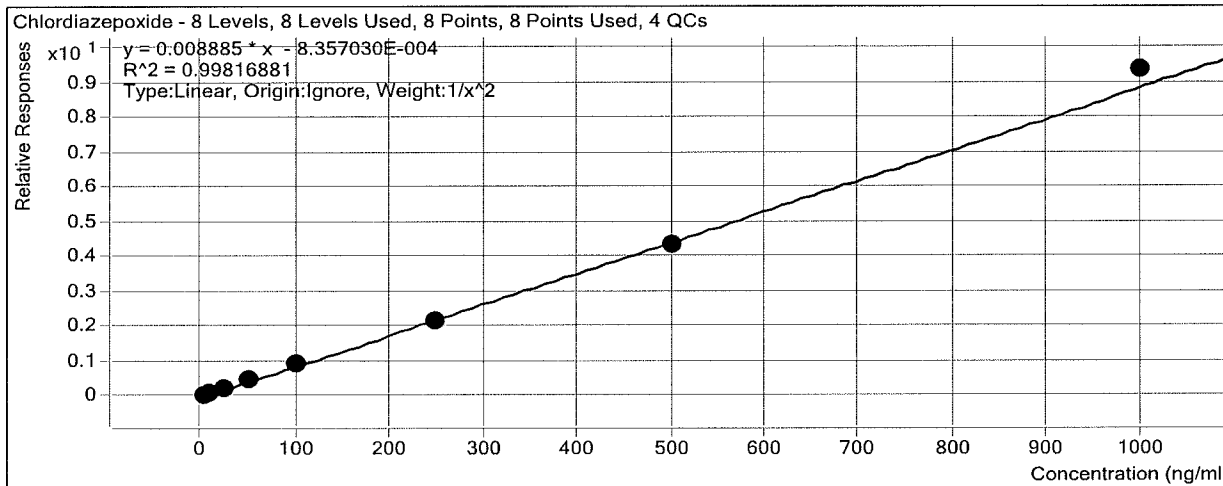
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.6
2a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	97.6
2a QC 10	2	<input checked="" type="checkbox"/>	10	9.9	99.3
2a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.0	96.0
2a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.6	103.3
2a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.0	103.0
2a QC 100	5	<input checked="" type="checkbox"/>	100	103.1	103.1
2a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	241.9	96.8
2a QC 250	6	<input checked="" type="checkbox"/>	250	251.6	100.6
2a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	503.0	100.6
2a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1001.5	100.2
2a QC 1000	8	<input checked="" type="checkbox"/>	1000	1023.3	102.3

ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\91417 mdq\QuantResults\91417 mdq p2a.batch.bin

Last Calib Update 9/16/2017 12:13 PM **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	5.1	102.1
2a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	96.4
2a QC 10	2	<input checked="" type="checkbox"/>	10	10.3	103.3
2a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.0	96.2
2a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.5	105.0
2a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.4	100.4
2a QC 100	5	<input checked="" type="checkbox"/>	100	105.5	105.5
2a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	244.0	97.6
2a QC 250	6	<input checked="" type="checkbox"/>	250	248.9	99.6
2a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	486.4	97.3
2a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1051.6	105.2
2a QC 1000	8	<input checked="" type="checkbox"/>	1000	1107.8	110.8

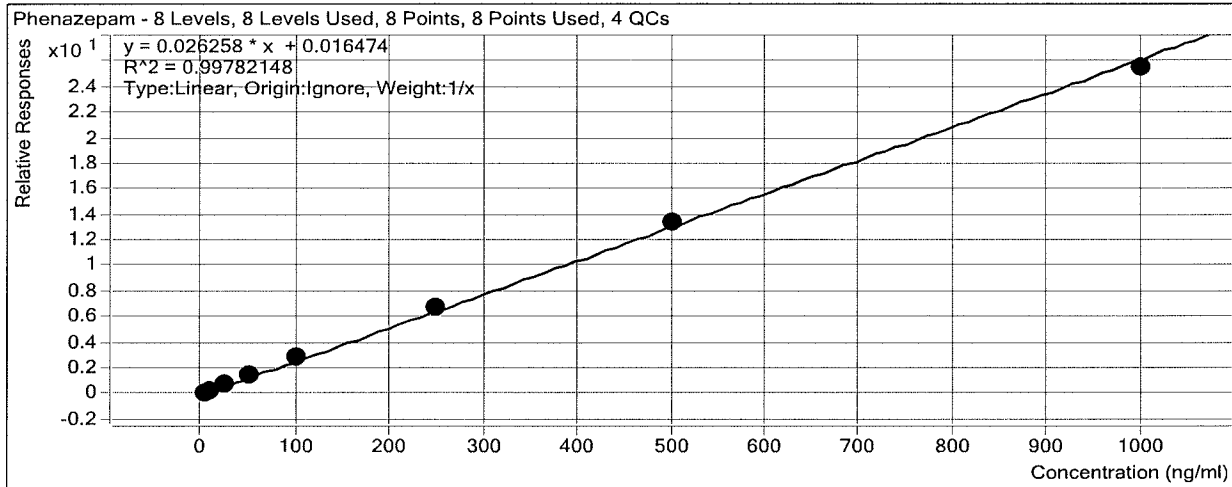
ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\91417 mdq\QuantResults\91417 mdq p2a.batch.bin

Last Calib Update 9/16/2017 12:13 PM

Analyst Name ISP TOX

Target Compound Phenazepam
Internal Standard Phenazepam-D4



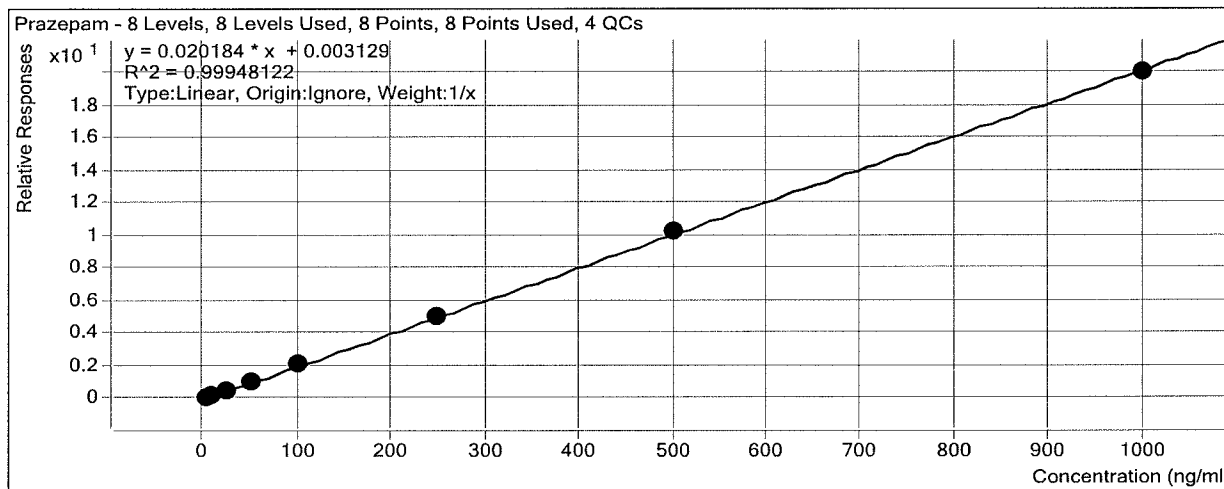
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.3	85.1
2a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	7.9	79.3
2a QC 10	2	<input checked="" type="checkbox"/>	10	10.9	109.0
2a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	28.0	111.8
2a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	57.9	115.9
2a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	106.6	106.6
2a QC 100	5	<input checked="" type="checkbox"/>	100	102.1	102.1
2a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	255.9	102.4
2a QC 250	6	<input checked="" type="checkbox"/>	250	255.2	102.1
2a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	510.1	102.0
2a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	969.3	96.9
2a QC 1000	8	<input checked="" type="checkbox"/>	1000	975.3	97.5

ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\91417 mdq\QuantResults\91417 mdq p2a.batch.bin

Last Calib Update 9/16/2017 12:13 PM **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	4.9	97.7
2a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.5	94.7
2a QC 10	2	<input checked="" type="checkbox"/>	10	12.0	119.8
2a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.3	97.3
2a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.5	105.0
2a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	106.5	106.5
2a QC 100	5	<input checked="" type="checkbox"/>	100	105.5	105.5
2a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	246.0	98.4
2a QC 250	6	<input checked="" type="checkbox"/>	250	265.9	106.4
2a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	508.0	101.6
2a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	988.3	98.8
2a QC 1000	8	<input checked="" type="checkbox"/>	1000	1032.5	103.3

ISP FORENSICS - Cd'A Instrument # 62340

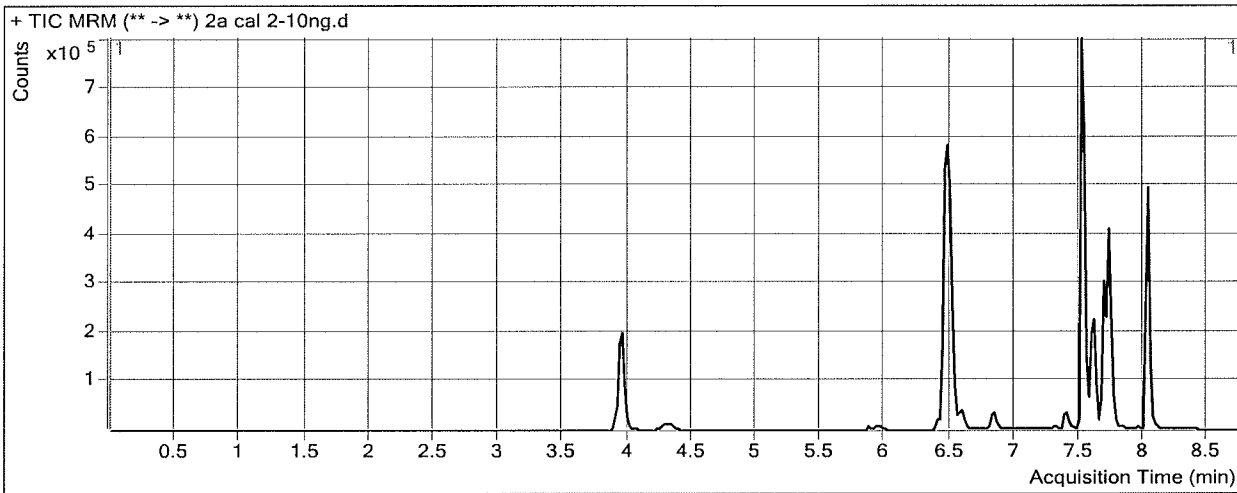
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p2a.batch.bin		
Analysis Time	9/20/2017 9:13 AM	Analyst Name	ISP Tox
Report Time	9/20/2017 9:17 AM	Reporter Name	ISP Tox
Last Calib Update	9/20/2017 9:13 AM	Batch State	Processed

Analysis Info

Acq Time	2017-09-15 08:04	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	3.956	109032	573202	0.1902	9.9739
Levamisole	Cocaine-D3	4.304	47551	571543	0.0832	10.0796
Benzoylcegonine	Benzoylcegonine-D8	5.955	12220	10582	1.1549	9.4194
Zopiclone	Zopiclone-D4	6.388	11163	55246	0.2021	9.8531
Cocaine	Cocaine-D3	6.452	122366	571543	0.2141	9.8825
Metoprolol	Methylphenidate-D4	6.521	29516	823646	0.0358	9.8739
Methylphenidate	Methylphenidate-D4	6.506	166427	823646	0.2021	9.5907
Ondansetron	Doxepin-D3	6.598	66150	86103	0.7683	11.2204
Mirtazapine	Doxepin-D3	6.845	63422	86103	0.7366	10.9201
Mitragynine	Doxepin-D3	7.292	4593	86103	0.0533	10.3933
Doxepin	Doxepin-D3	7.404	14606	86103	0.1696	9.7245
Carbamazepine	Carbamazepine-13C6	7.513	289315	1650840	0.1753	9.8615
Protriptyline	Protriptyline-D3	7.571	9263	54783	0.1691	9.6440
Maprotiline	Amitriptyline-D3	7.587	6528	25677	0.2542	11.2627
Estazolam	Estazolam-D5	7.604	64162	340888	0.1882	9.8926
Amitriptyline	Amitriptyline-D3	7.607	19630	25677	0.7645	8.4535
Nortriptyline	Nortriptyline-D3	7.611	10733	47990	0.2236	10.5375
alpha-hydroxymidazolam	alpha-hydroxymidazolam-D4	7.679	78314	523104	0.1497	8.8676
Midazolam	Midazolam-D4	7.721	25532	402420	0.0634	9.7638
Chlordiazepoxide	Chlordiazepoxide-D5	7.743	33129	390666	0.0848	9.6387
Phenazepam	Phenazepam-D4	7.759	4932	21952	0.2247	7.9299
Prazepam	Prazepam-D5	8.024	173807	894419	0.1943	9.4727

ISP FORENSICS - Cd'A Instrument # 62340

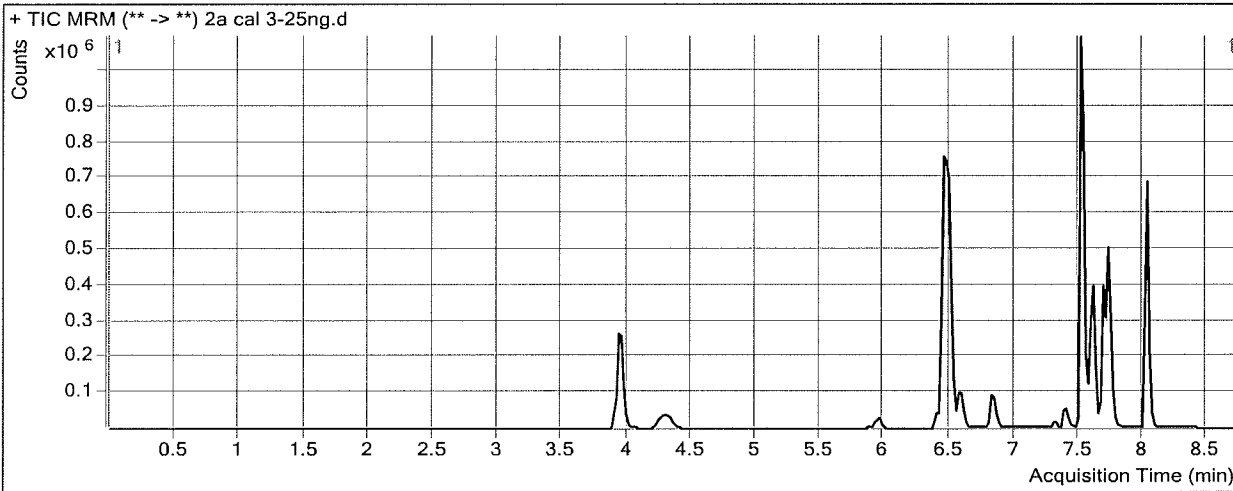
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p2a.batch.bin
Analysis Time 9/20/2017 9:13 AM **Analyst Name** ISP Tox
Report Time 9/20/2017 9:17 AM **Reporter Name** ISP Tox
Last Calib Update 9/20/2017 9:13 AM **Batch State** Processed

Analysis Info

Acq Time 2017-09-15 08:30 **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	3.956	300268	627516	0.4785	23.6791
Levamisole	Cocaine-D3	4.284	137766	637877	0.2160	21.8180
Benzoylcegonine	Benzoylcegonine-D8	5.955	36544	12270	2.9783	20.7876
Zopiclone	Zopiclone-D4	6.388	36573	71934	0.5084	23.0513
Cocaine	Cocaine-D3	6.452	339881	637877	0.5328	24.0359
Metoprolol	Methylphenidate-D4	6.521	84543	902191	0.0937	25.7681
Methylphenidate	Methylphenidate-D4	6.506	473572	902191	0.5249	24.5186
Ondansetron	Doxepin-D3	6.598	189257	106518	1.7768	21.1682
Mirtazapine	Doxepin-D3	6.825	183509	106518	1.7228	20.2665
Mitragynine	Doxepin-D3	7.292	13799	106518	0.1295	20.6902
Doxepin	Doxepin-D3	7.404	45772	106518	0.4297	23.0122
Carbamazepine	Carbamazepine-13C6	7.513	795814	1826614	0.4357	24.0518
Protriptyline	Protriptyline-D3	7.571	35691	79264	0.4503	22.7070
Maprotiline	Amitriptyline-D3	7.587	24516	34691	0.7067	39.5717
Estazolam	Estazolam-D5	7.604	180029	370554	0.4858	23.4853
Amitriptyline	Amitriptyline-D3	7.607	57661	34691	1.6621	26.5741
Nortriptyline	Nortriptyline-D3	7.611	38340	75073	0.5107	22.7614
alpha-hydroxymidazolam	alpha-hydroxymidazolam-D4	7.679	210823	534928	0.3941	25.3359
Midazolam	Midazolam-D4	7.721	71407	437817	0.1631	24.0005
Chlordiazepoxide	Chlordiazepoxide-D5	7.743	86212	405267	0.2127	24.0376
Phenazepam	Phenazepam-D4	7.759	13787	18369	0.7506	27.9569
Prazepam	Prazepam-D5	8.024	464477	940210	0.4940	24.3208

ISP FORENSICS - Cd'A Instrument # 62340

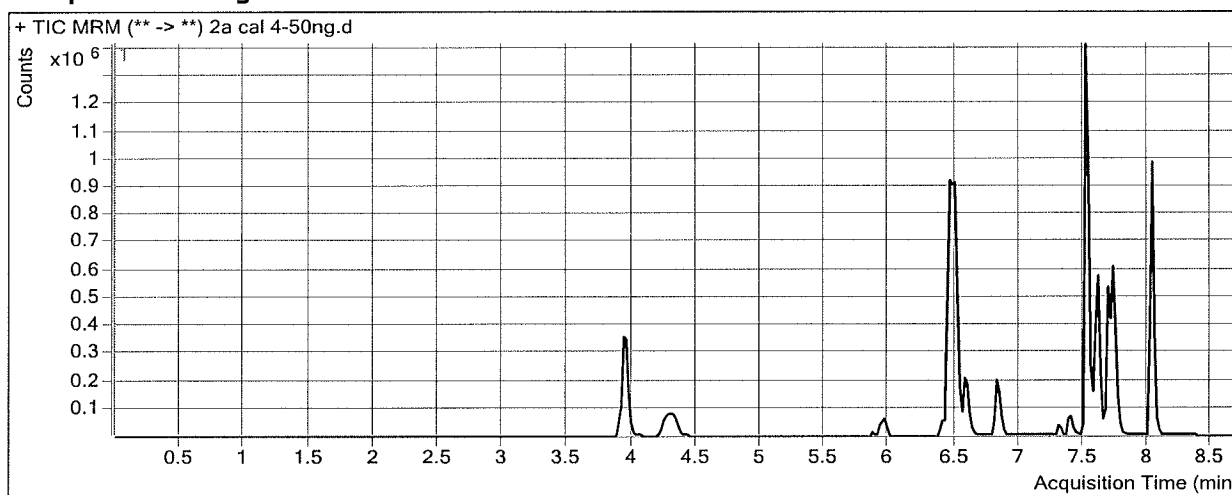
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p2a.batch.bin
Analysis Time 9/20/2017 9:13 AM **Analyst Name** ISP Tox
Report Time 9/20/2017 9:17 AM **Reporter Name** ISP Tox
Last Calib Update 9/20/2017 9:13 AM **Batch State** Processed

Analysis Info

Acq Time 2017-09-15 08:56 **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	3.956	609974	598793	1.0187	49.3589
Levamisole	Cocaine-D3	4.284	299168	596043	0.5019	47.0976
Benzoylcegonine	Benzoylcegonine-D8	5.955	81628	11672	6.9937	45.8206
Zopiclone	Zopiclone-D4	6.388	65619	60226	1.0895	48.0854
Cocaine	Cocaine-D3	6.452	680532	596043	1.1417	51.0749
Metoprolol	Methylphenidate-D4	6.521	174036	840178	0.2071	56.9216
Methylphenidate	Methylphenidate-D4	6.506	920520	840178	1.0956	50.9067
Ondansetron	Doxepin-D3	6.577	393743	90040	4.3730	46.7767
Mirtazapine	Doxepin-D3	6.825	367210	90040	4.0783	42.5895
Mitragynine	Doxepin-D3	7.292	27683	90040	0.3075	44.7288
Doxepin	Doxepin-D3	7.404	86889	90040	0.9650	50.3612
Carbamazepine	Carbamazepine-13C6	7.513	1555339	1703425	0.9131	50.0644
Protriptyline	Protriptyline-D3	7.571	57303	57650	0.9940	47.9649
Maprotiline	Amitriptyline-D3	7.587	39083	44866	0.8711	49.8591
Estazolam	Estazolam-D5	7.604	370007	352046	1.0510	49.2980
Amitriptyline	Amitriptyline-D3	7.607	122414	44866	2.7284	48.0989
Nortriptyline	Nortriptyline-D3	7.611	60273	52650	1.1448	49.7621
alpha-hydroxymidazolam	alpha-hydroxymidazolam-D4	7.679	425768	523207	0.8138	53.6126
Midazolam	Midazolam-D4	7.721	149619	419632	0.3565	51.6375
Chlordiazepoxide	Chlordiazepoxide-D5	7.743	173653	373132	0.4654	52.4759
Phenazepam	Phenazepam-D4	7.759	26360	17143	1.5377	57.9326
Prazepam	Prazepam-D5	8.024	993013	934486	1.0626	52.4928

ISP FORENSICS - Cd'A Instrument # 62340

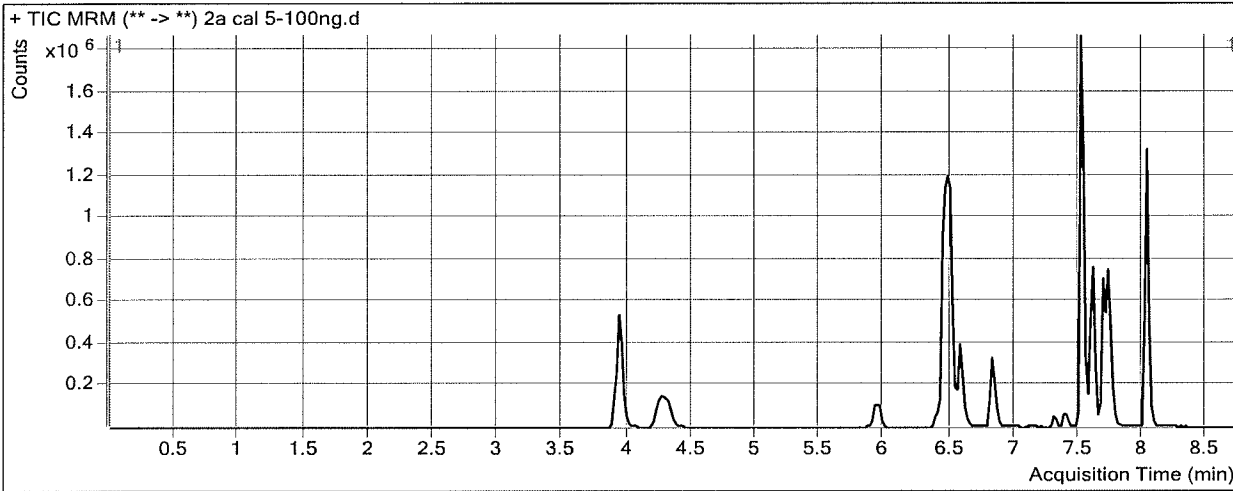
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p2a.batch.bin
Analysis Time 9/20/2017 9:13 AM **Analyst Name** ISP Tox
Report Time 9/20/2017 9:17 AM **Reporter Name** ISP Tox
Last Calib Update 9/20/2017 9:13 AM **Batch State** Processed

Analysis Info

Acq Time 2017-09-15 09:21 **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	3.936	1087960	529252	2.0557	98.6571
Levamisole	Cocaine-D3	4.264	560189	523638	1.0698	97.3018
Benzoylcegonine	Benzoylcegonine-D8	5.955	161302	11098	14.5343	92.8303
Zopiclone	Zopiclone-D4	6.388	113066	49652	2.2772	99.2492
Cocaine	Cocaine-D3	6.452	1195764	523638	2.2836	101.7777
Metoprolol	Methylphenidate-D4	6.501	293420	690106	0.4252	116.8042
Methylphenidate	Methylphenidate-D4	6.506	1563677	690106	2.2659	105.0147
Ondansetron	Doxepin-D3	6.577	682577	51622	13.2226	134.0687
Mirtazapine	Doxepin-D3	6.825	577468	51622	11.1865	109.9539
Mitragynine	Doxepin-D3	7.292	37240	51622	0.7214	100.6623
Doxepin	Doxepin-D3	7.404	100928	51622	1.9551	100.9494
Carbamazepine	Carbamazepine-13C6	7.513	2756850	1499020	1.8391	100.5233
Protriptyline	Protriptyline-D3	7.571	57413	26695	2.1507	101.7017
Maprotiline	Amitriptyline-D3	7.587	37029	18975	1.9514	117.4528
Estazolam	Estazolam-D5	7.604	678179	320772	2.1142	97.8555
Amitriptyline	Amitriptyline-D3	7.607	109828	18975	5.7880	109.8619
Nortriptyline	Nortriptyline-D3	7.611	56525	25443	2.2216	95.6173
alpha-hydroxymidazolam	alpha-hydroxymidazolam-D4	7.679	735765	450060	1.6348	108.9363
Midazolam	Midazolam-D4	7.721	268753	375330	0.7160	102.9970
Chlordiazepoxide	Chlordiazepoxide-D5	7.743	278285	312420	0.8907	100.3504
Phenazepam	Phenazepam-D4	7.759	39215	13929	2.8153	106.5903
Prazepam	Prazepam-D5	8.024	1703618	791566	2.1522	106.4758

ISP FORENSICS - Cd'A Instrument # 62340

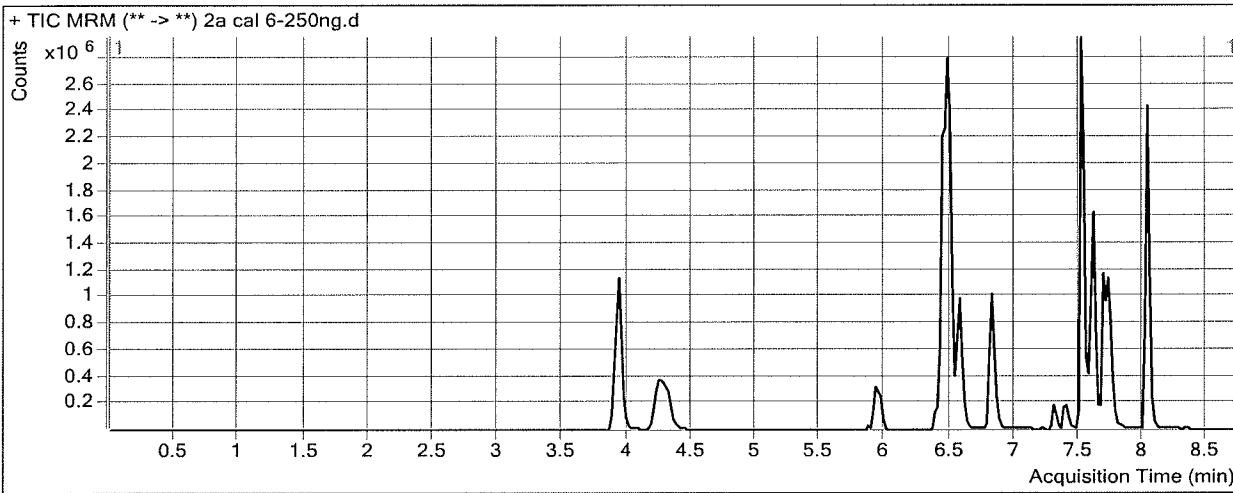
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p2a.batch.bin
Analysis Time 9/20/2017 9:13 AM **Analyst Name** ISP Tox
Report Time 9/20/2017 9:17 AM **Reporter Name** ISP Tox
Last Calib Update 9/20/2017 9:13 AM **Batch State** Processed

Analysis Info

Acq Time 2017-09-15 09:47 **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	3.936	2929764	579080	5.0593	241.4530
Levamisole	Cocaine-D3	4.264	1470163	585839	2.5095	224.5802
Benzoylcegonine	Benzoylcegonine-D8	5.934	453016	11566	39.1685	246.4069
Zopiclone	Zopiclone-D4	6.388	289810	52546	5.5154	238.7516
Cocaine	Cocaine-D3	6.432	3191716	585839	5.4481	242.2994
Metoprolol	Methylphenidate-D4	6.501	724402	833433	0.8692	238.7441
Methylphenidate	Methylphenidate-D4	6.506	4400436	833433	5.2799	244.3757
Ondansetron	Doxepin-D3	6.577	1827143	76674	23.8300	238.6991
Mirtazapine	Doxepin-D3	6.825	1784452	76674	23.2732	224.5002
Mitragynine	Doxepin-D3	7.292	124415	76674	1.6227	222.4412
Doxepin	Doxepin-D3	7.404	365143	76674	4.7623	244.3725
Carbamazepine	Carbamazepine-13C6	7.513	5559752	1234294	4.5044	245.7533
Protriptyline	Protriptyline-D3	7.571	210854	42603	4.9493	231.7145
Maprotiline	Amitriptyline-D3	7.587	142410	34150	4.1702	256.2756
Estazolam	Estazolam-D5	7.604	1382973	268618	5.1485	236.4356
Amitriptyline	Amitriptyline-D3	7.607	452162	34150	13.2406	260.3032
Nortriptyline	Nortriptyline-D3	7.611	222733	37194	5.9885	256.0202
alpha-hydroxymidazolam	alpha-hydroxymidazolam-D4	7.679	1521878	388664	3.9157	262.6234
Midazolam	Midazolam-D4	7.721	628053	371944	1.6886	241.9360
Chlordiazepoxide	Chlordiazepoxide-D5	7.743	511093	235815	2.1673	244.0372
Phenazepam	Phenazepam-D4	7.759	73693	10939	6.7367	255.9330
Prazepam	Prazepam-D5	8.024	3861119	777069	4.9688	246.0243

ISP FORENSICS - Cd'A Instrument # 62340

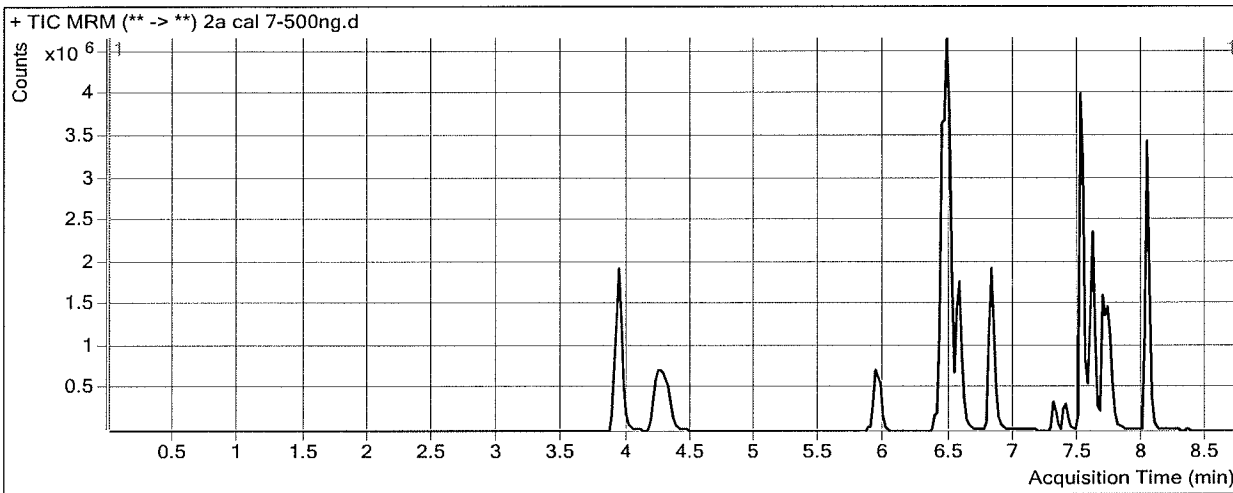
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p2a.batch.bin
Analysis Time 9/20/2017 9:13 AM **Analyst Name** ISP Tox
Report Time 9/20/2017 9:17 AM **Reporter Name** ISP Tox
Last Calib Update 9/20/2017 9:13 AM **Batch State** Processed

Analysis Info

Acq Time 2017-09-15 10:12 **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	3.936	5488269	528850	10.3778	494.2909
Levamisole	Cocaine-D3	4.244	2881509	521114	5.5295	491.5689
Benzoylcegonine	Benzoylcegonine-D8	5.934	1026528	10767	95.3386	596.5867
Zopiclone	Zopiclone-D4	6.388	394155	32777	12.0255	519.2087
Cocaine	Cocaine-D3	6.432	5821877	521114	11.1720	496.4686
Metoprolol	Methylphenidate-D4	6.501	1220724	731007	1.6699	458.6608
Methylphenidate	Methylphenidate-D4	6.486	7929573	731007	10.8475	501.8051
Ondansetron	Doxepin-D3	6.577	3563429	65504	54.4005	540.2425
Mirtazapine	Doxepin-D3	6.825	3620650	65504	55.2740	527.7717
Mitragynine	Doxepin-D3	7.292	255202	65504	3.8960	529.6197
Doxepin	Doxepin-D3	7.404	626856	65504	9.5698	489.9993
Carbamazepine	Carbamazepine-13C6	7.513	8656308	929865	9.3092	507.5634
Protriptyline	Protriptyline-D3	7.571	257438	23941	10.7532	501.3426
Maprotiline	Amitriptyline-D3	7.587	160721	21423	7.5022	464.7555
Estazolam	Estazolam-D5	7.604	2335715	217148	10.7563	492.5550
Amitriptyline	Amitriptyline-D3	7.607	546702	21423	25.5194	508.1694
Nortriptyline	Nortriptyline-D3	7.631	248283	20622	12.0395	513.6864
alpha-hydroxymidazolam	alpha-hydroxymidazolam-D4	7.679	2286905	296838	7.7042	517.9023
Midazolam	Midazolam-D4	7.721	1040374	295908	3.5159	502.9913
Chlordiazepoxide	Chlordiazepoxide-D5	7.743	675640	156386	4.3203	486.3634
Phenazepam	Phenazepam-D4	7.759	114319	8525	13.4094	510.0570
Prazepam	Prazepam-D5	8.024	6138350	598509	10.2561	507.9792

ISP FORENSICS - Cd'A Instrument # 62340

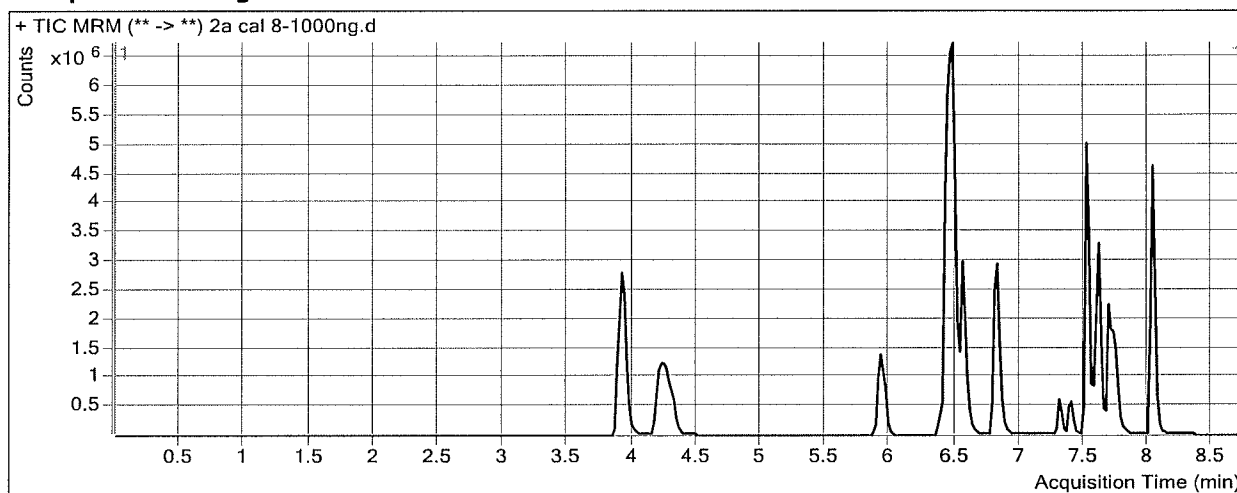
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p2a.batch.bin		
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Report Time	9/20/2017 9:17 AM	Reporter Name	ISP Tox
Last Calib Update	9/20/2017 9:13 AM	Batch State	Processed

Analysis Info

Acq Time	2017-09-15 10:38	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	3.916	9114441	426434	21.3736	1017.0357
Levamisole	Cocaine-D3	4.224	5057490	430571	11.7460	1041.1452
Benzoylcegonine	Benzoylcegonine-D8	5.934	1970045	10884	181.0068	1130.6658
Zopiclone	Zopiclone-D4	6.368	659128	28541	23.0944	996.0559
Cocaine	Cocaine-D3	6.432	9782614	430571	22.7201	1009.2628
Metoprolol	Methylphenidate-D4	6.501	1763208	588713	2.9950	822.5876
Methylphenidate	Methylphenidate-D4	6.486	12713093	588713	21.5947	998.7282
Ondansetron	Doxepin-D3	6.556	5717829	57975	98.6255	976.4734
Mirtazapine	Doxepin-D3	6.825	6081278	57975	104.8946	998.0258
Mitragynine	Doxepin-D3	7.292	433204	57975	7.4722	1012.8459
Doxepin	Doxepin-D3	7.404	1151668	57975	19.8649	1015.9966
Carbamazepine	Carbamazepine-13C6	7.513	10809691	591010	18.2902	996.9313
Protriptyline	Protriptyline-D3	7.571	448200	20471	21.8942	1018.9125
Maprotiline	Amtriptyline-D3	7.587	291913	20844	14.0046	871.5956
Estazolam	Estazolam-D5	7.604	3255645	145287	22.4084	1024.7219
Amtriptyline	Amtriptyline-D3	7.607	1012458	20844	48.5728	973.5391
Nortriptyline	Nortriptyline-D3	7.611	457322	18803	24.3220	1036.7085
alpha-hydroxymidazolam	alpha-hydroxymidazolam-D4	7.679	3227054	226628	14.2394	958.2537
Midazolam	Midazolam-D4	7.721	1560130	222698	7.0056	1001.5459
Chlordiazepoxide	Chlordiazepoxide-D5	7.743	863604	92441	9.3422	1051.6000
Phenazepam	Phenazepam-D4	7.759	161877	6356	25.4694	969.3454
Prazepam	Prazepam-D5	8.024	9254829	463860	19.9518	988.3500

ISP FORENSICS - Cd'A Instrument # 62340

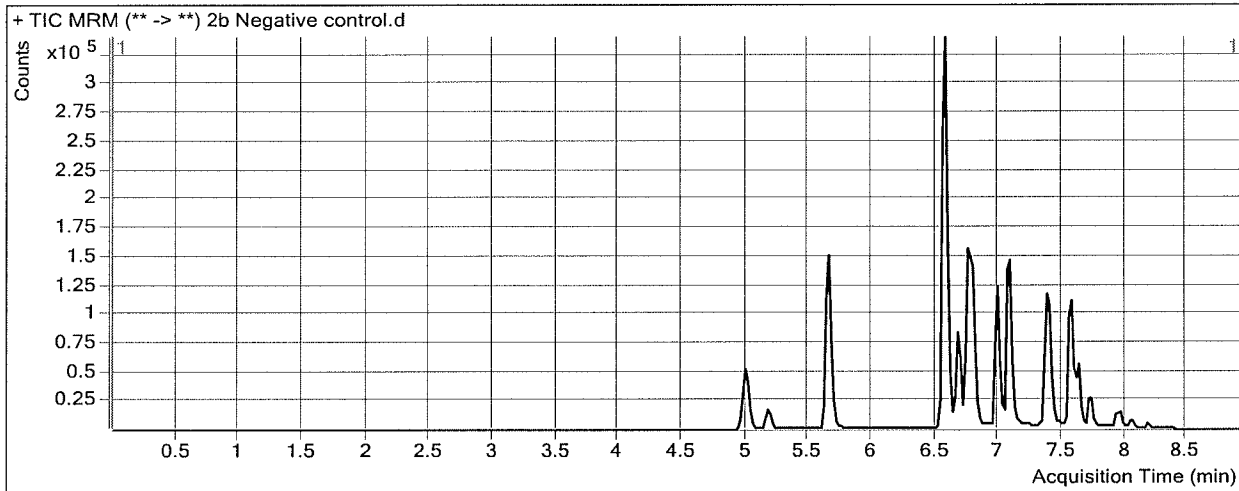
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p2b.batch.bin
Analysis Time 9/17/2017 10:14 AM **Analyst Name** ISP Tox
Report Time 9/17/2017 10:18 AM **Reporter Name** ISP Tox
Last Calib Update 9/17/2017 10:14 AM **Batch State** Processed

Analysis Info

Acq Time 2017-09-15 11:29 **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

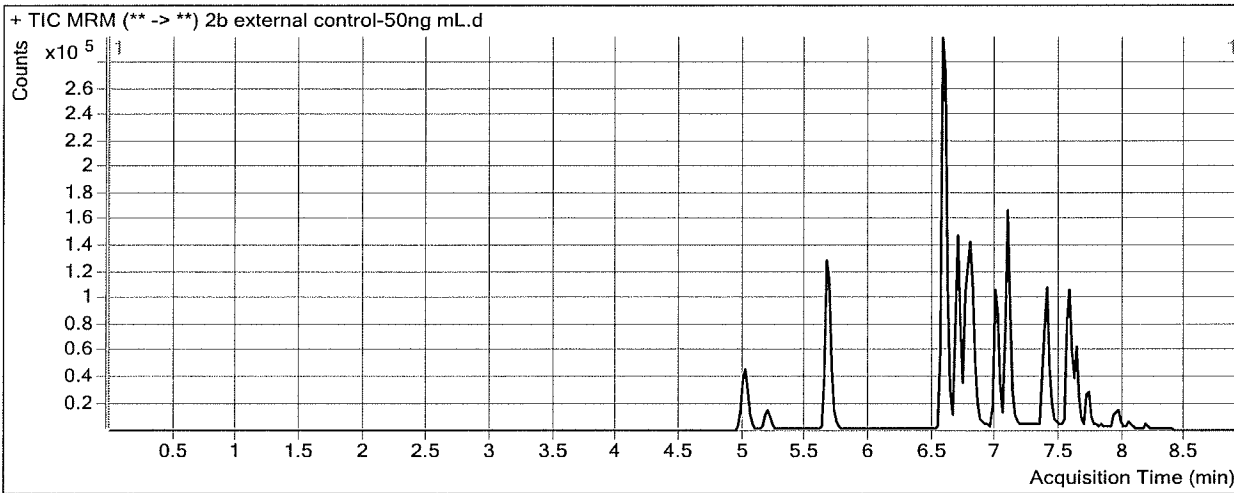
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p2b.batch.bin
Analysis Time 9/17/2017 10:14 AM **Analyst Name** ISP Tox
Report Time 9/17/2017 10:18 AM **Reporter Name** ISP Tox
Last Calib Update 9/17/2017 10:14 AM **Batch State** Processed

Analysis Info

Acq Time 2017-09-15 11:54 **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	6.699	132738	205869	0.6448	32.1614

ISP FORENSICS - Cd'A Instrument # 62340

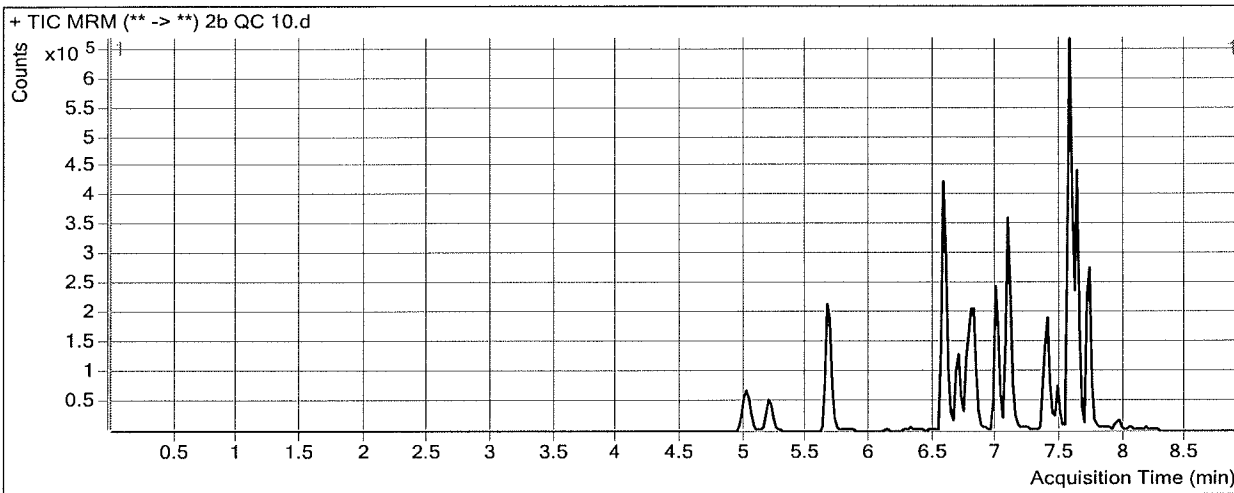
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p2b.batch.bin
Analysis Time 9/17/2017 10:14 AM **Analyst Name** ISP Tox
Report Time 9/17/2017 10:18 AM **Reporter Name** ISP Tox
Last Calib Update 9/17/2017 10:14 AM **Batch State** Processed

Analysis Info

Acq Time 2017-09-15 12:45 **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	5.037	66261	206525	0.3208	9.6658
MDMA	MDMA-D6	5.215	83341	57034	1.4612	9.9326
MDEA	MDEA-D6	5.668	85836	529008	0.1623	10.2714
Primidone	Tapentadol-D3	6.320	8790	950903	0.0092	9.4437
Tapentadol	Tapentadol-D3	6.583	188191	950903	0.1979	10.1088
Meperidine	Meperidine-D4	6.699	55604	303265	0.1834	9.7045
7-aminoflunitrazepam	7-aminoflunitrazepam-D7	6.797	62860	348723	0.1803	9.5527
Normeperidine	Normeperidine-D4	6.805	60881	240813	0.2528	9.6046
Pentazocine	Pentazocine-13C3	6.981	119966	452796	0.2649	10.0648
Phencyclidine	Phencyclidine-D5	7.108	142405	756531	0.1882	10.2090
Flurazepam	Flunitrazepam-D7	7.355	138650	59263	2.3396	21.1418
Zaleplon	Zaleplon-D4	7.382	56254	246074	0.2286	10.3499
Phenytoin	Phenytoin-D10	7.429	3252	18720	0.1737	10.0874
Verapamil	Trimipramine-D3	7.455	94617	637498	0.1484	8.3367
Propoxyphene	Propoxyphene-D11	7.558	140576	175750	0.7999	9.6600
Amoxapine	Clomipramine-D3	7.540	23165	555696	0.0417	8.9285
Flunitrazepam	Flunitrazepam-D7	7.561	49729	59263	0.8391	10.2859
Imipramine	Imipramine-D3	7.570	131181	348326	0.3766	10.5840
Desipramine	Desipramine-D3	7.591	96800	512410	0.1889	10.3444
Trimipramine	Trimipramine-D3	7.627	128664	637498	0.2018	10.1188
Clomipramine	Clomipramine-D3	7.721	90547	555696	0.1629	10.2001
Norpropoxyphene	Norpropoxyphene-D5	7.949	7528	28567	0.2635	10.4640

ISP FORENSICS - Cd'A Instrument # 62340

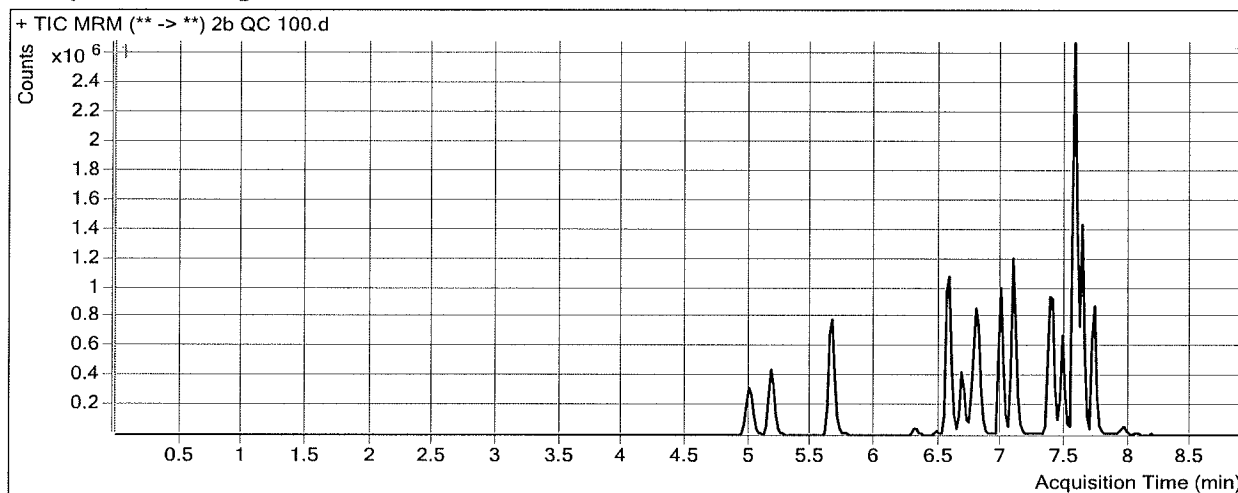
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p2b.batch.bin
Analysis Time 9/17/2017 10:14 AM **Analyst Name** ISP Tox
Report Time 9/17/2017 10:18 AM **Reporter Name** ISP Tox
Last Calib Update 9/17/2017 10:14 AM **Batch State** Processed

Analysis Info

Acq Time 2017-09-15 14:27 **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	4.997	688917	199568	3.4520	106.4988
MDMA	MDMA-D6	5.175	893724	58747	15.2132	100.2360
MDEA	MDEA-D6	5.648	909149	520732	1.7459	105.8377
Primidone	Tapentadol-D3	6.300	95047	897934	0.1059	84.6304
Tapentadol	Tapentadol-D3	6.583	1881675	897934	2.0956	102.1892
Meperidine	Meperidine-D4	6.678	606588	300985	2.0153	98.8658
7-aminoflunitrazepam	7-aminoflunitrazepam-D7	6.777	612530	317818	1.9273	103.9572
Normeperidine	Normeperidine-D4	6.785	592319	204913	2.8906	100.1569
Pentazocine	Pentazocine-13C3	6.981	1262163	448975	2.8112	99.4673
Phencyclidine	Phencyclidine-D5	7.088	1490847	756023	1.9720	105.5045
Flurazepam	Flunitrazepam-D7	7.355	1423894	39584	35.9717	346.6746
Zaleplon	Zaleplon-D4	7.382	537373	204128	2.6325	102.4117
Phenytoin	Phenytoin-D10	7.429	32545	16797	1.9376	98.7628
Verapamil	Trimipramine-D3	7.455	1061652	699661	1.5174	62.7398
Propoxyphene	Propoxyphene-D11	7.558	1401223	174985	8.0077	93.7664
Amoxapine	Clomipramine-D3	7.540	212973	548584	0.3882	60.4918
Flunitrazepam	Flunitrazepam-D7	7.561	377847	39584	9.5455	95.0250
Imipramine	Imipramine-D3	7.570	1350988	332249	4.0662	104.8830
Desipramine	Desipramine-D3	7.591	953806	479709	1.9883	98.4815
Trimipramine	Trimipramine-D3	7.627	1414509	699661	2.0217	101.2096
Clomipramine	Clomipramine-D3	7.721	957055	548584	1.7446	97.4602
Norpropoxyphene	Norpropoxyphene-D5	7.949	92121	27277	3.3772	104.9172

ISP FORENSICS - Cd'A Instrument # 62340

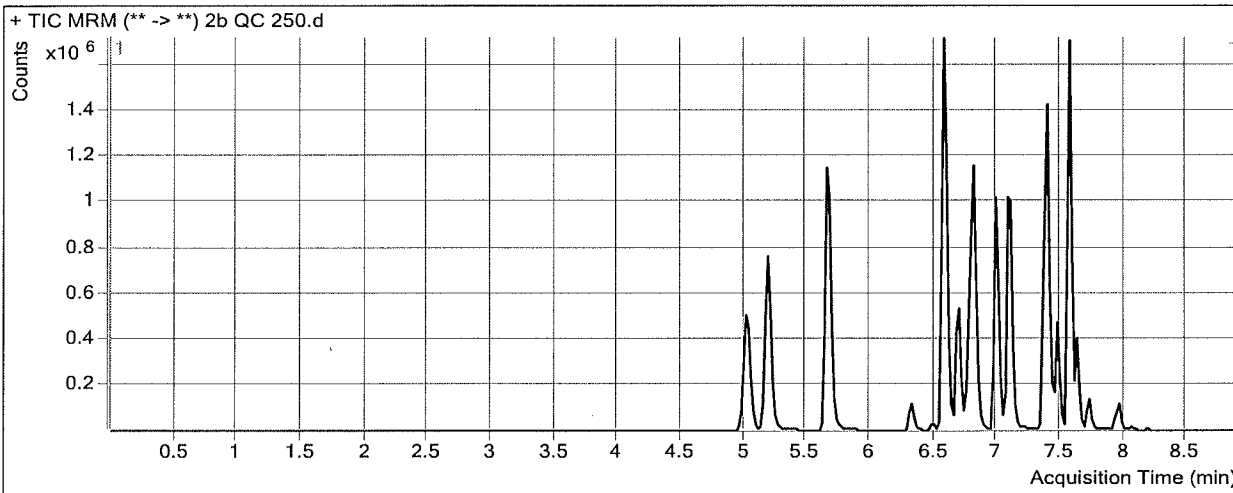
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p2b.batch.bin
Analysis Time 9/17/2017 10:14 AM **Analyst Name** ISP Tox
Report Time 9/17/2017 10:18 AM **Reporter Name** ISP Tox
Last Calib Update 9/17/2017 10:14 AM **Batch State** Processed

Analysis Info

Acq Time 2017-09-15 14:52 **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	5.017	1143034	138761	8.2375	254.4882
MDMA	MDMA-D6	5.195	1539079	40352	38.1413	250.7951
MDEA	MDEA-D6	5.648	1452109	343936	4.2220	255.2613
Primidone	Tapentadol-D3	6.320	208587	644816	0.3235	254.0071
Tapentadol	Tapentadol-D3	6.583	3327705	644816	5.1607	250.9203
Meperidine	Meperidine-D4	6.699	875870	176666	4.9578	242.0711
7-aminoflunitrazepam	7-aminoflunitrazepam-D7	6.797	1180910	255329	4.6251	249.7354
Normeperidine	Normeperidine-D4	6.805	696583	96201	7.2409	249.4997
Pentazocine	Pentazocine-13C3	6.981	1383142	195297	7.0823	249.4291
Phencyclidine	Phencyclidine-D5	7.108	1632460	330884	4.9336	263.7321
Flurazepam	Flunitrazepam-D7	7.355	1450528	33378	43.4580	419.1362 A
Zaleplon	Zaleplon-D4	7.382	1101605	172239	6.3958	246.5317
Phenytoin	Phenytoin-D10	7.429	76900	16178	4.7533	240.3238
Verapamil	Trimipramine-D3	7.455	643746	81798	7.8699	315.1921
Propoxyphene	Propoxyphene-D11	7.558	1030080	47045	21.8958	255.8235
Amoxapine	Clomipramine-D3	7.540	79190	34215	2.3145	347.1173
Flunitrazepam	Flunitrazepam-D7	7.561	827667	33378	24.7970	243.4671
Imipramine	Imipramine-D3	7.570	478837	55036	8.7005	223.3269
Desipramine	Desipramine-D3	7.591	246769	58078	4.2489	209.2118
Trimipramine	Trimipramine-D3	7.627	410634	81798	5.0201	251.2874
Clomipramine	Clomipramine-D3	7.721	148818	34215	4.3496	241.1768
Norpropoxyphene	Norpropoxyphene-D5	7.949	215570	25896	8.3245	254.9907

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ISP FORENSICS - Cd'A Instrument # 62340

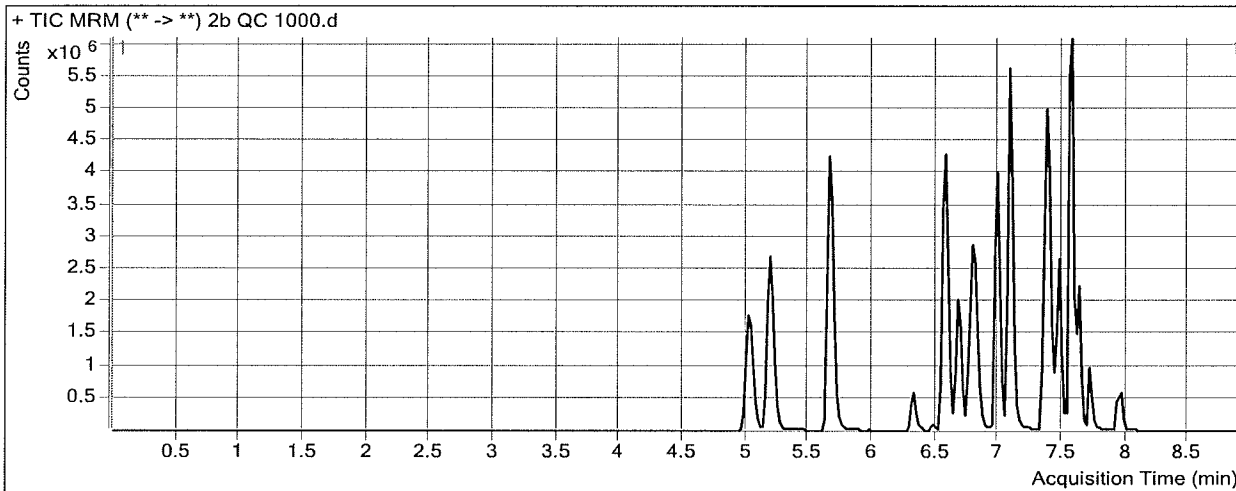
Multi-Drug Confirmatory Analysis Report

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Analysis Time 9/17/2017 10:14 AM **Analyst Name** ISP Tox
Report Time 9/17/2017 10:18 AM **Reporter Name** ISP Tox
Last Calib Update 9/17/2017 10:14 AM **Batch State** Processed

Analysis Info

Acq Time 2017-09-15 15:18 **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	5.017	4578330	142954	32.0266	990.1695
MDMA	MDMA-D6	5.195	6214720	42010	147.9348	971.7632
MDEA	MDEA-D6	5.648	6059490	358566	16.8993	1020.2785
Primidone	Tapentadol-D3	6.320	1036657	488562	2.1219	1653.6301 *
Tapentadol	Tapentadol-D3	6.583	10506681	488562	21.5053	1044.0155
Meperidine	Meperidine-D4	6.678	3876143	195714	19.8051	964.6755
7-aminoflunitrazepam	7-aminoflunitrazepam-D7	6.777	3572953	247510	14.4356	779.8663
Normeperidine	Normeperidine-D4	6.785	2035794	67788	30.0317	1031.8839
Pentazocine	Pentazocine-13C3	6.981	6553141	225829	29.0181	1019.6234
Phencyclidine	Phencyclidine-D5	7.088	8922320	460120	19.3913	1036.1319
Flurazepam	Flunitrazepam-D7	7.355	6970242	15424	451.9160	4372.6911 *
Zaleplon	Zaleplon-D4	7.382	3219878	122446	26.2964	1008.6514
Phenytoin	Phenytoin-D10	7.429	425521	20997	20.2654	1020.1878
Verapamil	Trimipramine-D3	7.455	3797294	142875	26.5778	1058.6513 *
Propoxyphene	Propoxyphene-D11	7.538	5598174	67563	82.8587	967.1851
Amoxapine	Clomipramine-D3	7.540	322662	59826	5.3934	805.2395
Flunitrazepam	Flunitrazepam-D7	7.561	1712979	15424	111.0611	1083.0714
Imipramine	Imipramine-D3	7.570	2878156	79614	36.1515	924.9246
Desipramine	Desipramine-D3	7.571	1633297	77859	20.9776	1028.6103
Trimipramine	Trimipramine-D3	7.627	2939108	142875	20.5712	1029.6718
Clomipramine	Clomipramine-D3	7.701	1082087	59826	18.0874	999.0972
Norpropoxyphene	Norpropoxyphene-D5	7.949	1318749	35238	37.4241	1137.7159

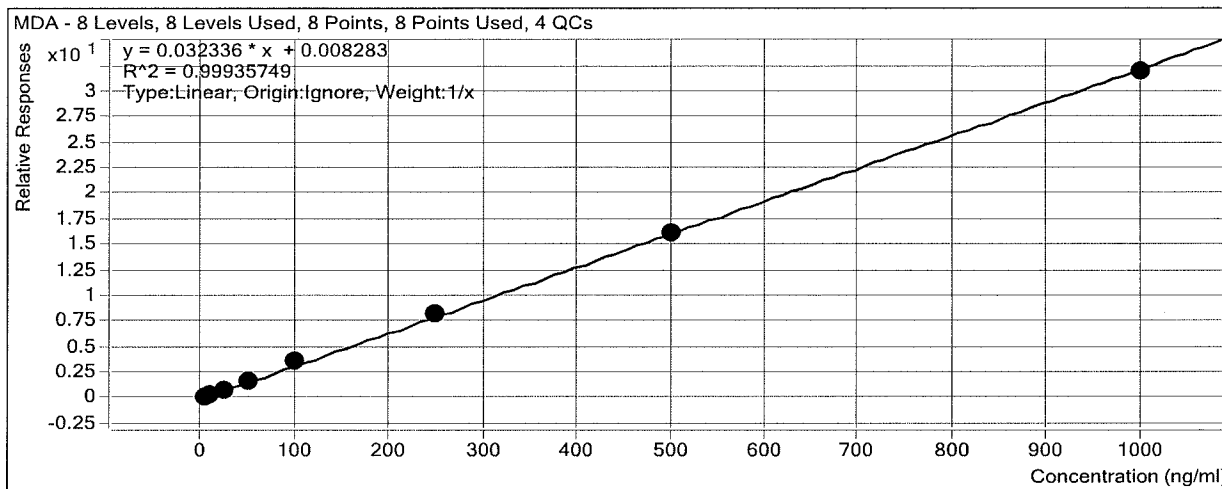
*

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p2b.batch.bin

Last Calib Update 9/17/2017 10:14 AM **Analyst Name** ISP TOX

Target Compound MDA
Internal Standard MDA-D5



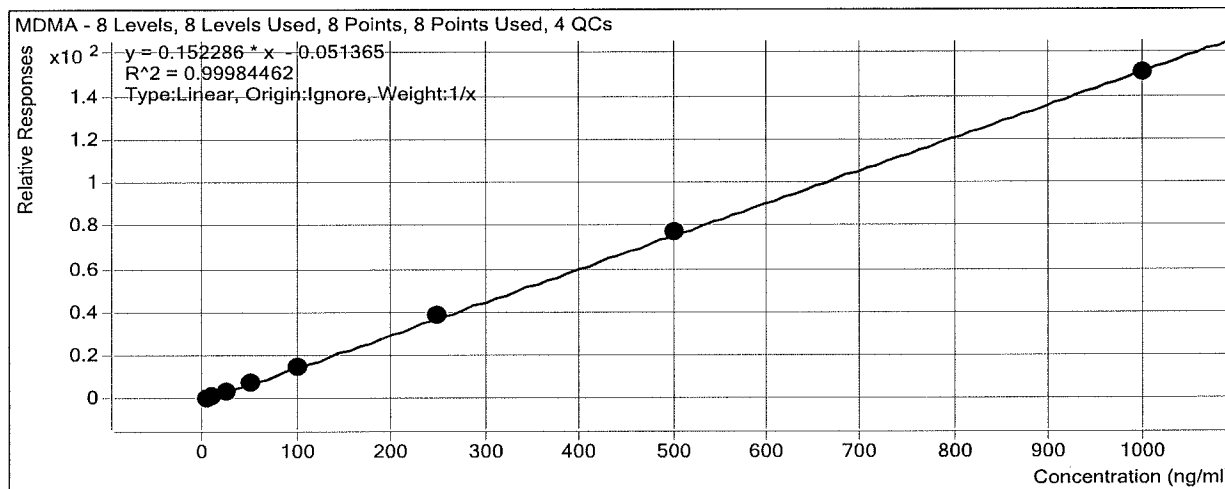
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.8	96.8
2b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.2	92.0
2b QC 10	2	<input checked="" type="checkbox"/>	10	9.7	96.7
2b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.9	99.4
2b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.4	102.8
2b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	109.0	109.0
2b QC 100	5	<input checked="" type="checkbox"/>	100	106.5	106.5
2b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	252.3	100.9
2b QC 250	6	<input checked="" type="checkbox"/>	250	254.5	101.8
2b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	502.0	100.4
2b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	986.3	98.6
2b QC 1000	8	<input checked="" type="checkbox"/>	1000	990.2	99.0

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p2b.batch.bin

Last Calib Update 9/17/2017 10:14 AM **Analyst Name** ISP TOX

Target Compound MDMA
Internal Standard MDMA-D6



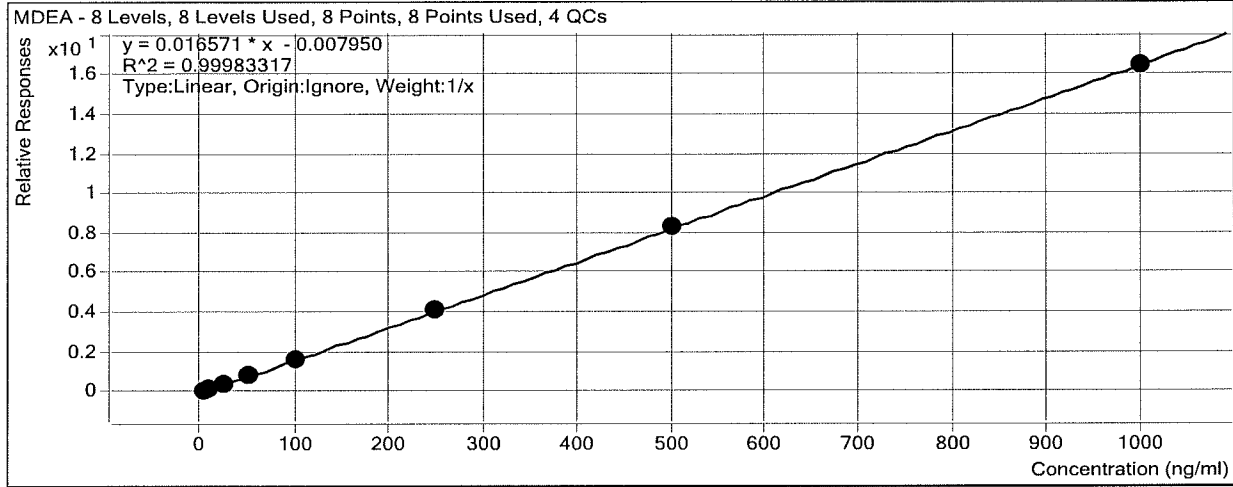
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.6
2b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	97.0
2b QC 10	2	<input checked="" type="checkbox"/>	10	9.9	99.3
2b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.5	97.9
2b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.0	102.0
2b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.2	101.2
2b QC 100	5	<input checked="" type="checkbox"/>	100	100.2	100.2
2b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	253.2	101.3
2b QC 250	6	<input checked="" type="checkbox"/>	250	250.8	100.3
2b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	505.9	101.2
2b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	989.5	99.0
2b QC 1000	8	<input checked="" type="checkbox"/>	1000	971.8	97.2

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p2b.batch.bin

Last Calib Update 9/17/2017 10:14 AM **Analyst Name** ISP TOX

Target Compound MDEA
Internal Standard MDEA-D6

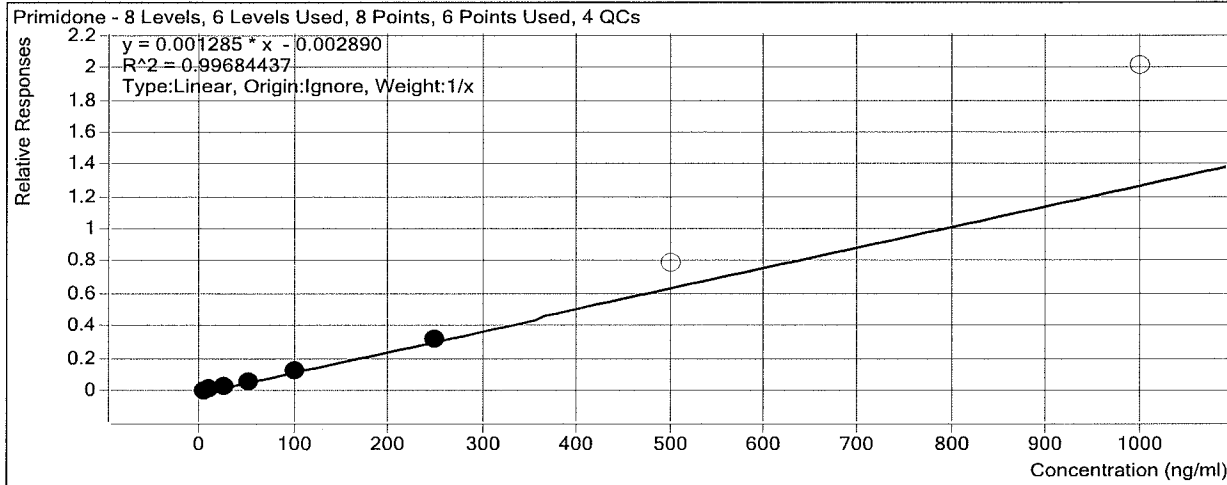


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	104.6
2b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	96.3
2b QC 10	2	<input checked="" type="checkbox"/>	10	10.3	102.7
2b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.4	93.7
2b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.8	103.6
2b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.8	100.8
2b QC 100	5	<input checked="" type="checkbox"/>	100	105.8	105.8
2b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	252.2	100.9
2b QC 250	6	<input checked="" type="checkbox"/>	250	255.3	102.1
2b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	503.9	100.8
2b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	992.9	99.3
2b QC 1000	8	<input checked="" type="checkbox"/>	1000	1020.3	102.0

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p2b.batch.bin
Last Calib Update 9/17/2017 10:14 AM **Analyst Name** ISP TOX

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



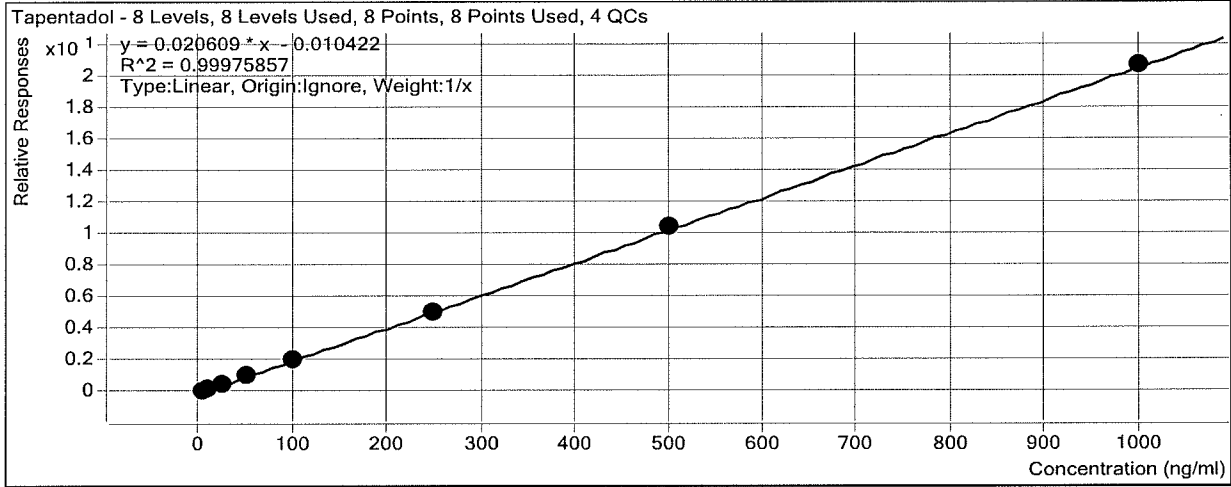
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	6.0	120.6
2b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	96.5
2b QC 10	2	<input checked="" type="checkbox"/>	10	9.4	94.4
2b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	21.2	84.8
2b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.0	94.1
2b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.6	102.6
2b QC 100	5	<input checked="" type="checkbox"/>	100	84.6	84.6
2b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	253.5	101.4
2b QC 250	6	<input checked="" type="checkbox"/>	250	254.0	101.6
2b cal 7-500ng	7	<input type="checkbox"/>	500	619.3	123.9
2b cal 8-1000ng	8	<input type="checkbox"/>	1000	1567.1	156.7
2b QC 1000	8	<input type="checkbox"/>	1000	1653.6	165.4

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p2b.batch.bin

Last Calib Update 9/17/2017 10:14 AM **Analyst Name** ISP TOX

Target Compound Tapentadol
Internal Standard Tapentadol-D3



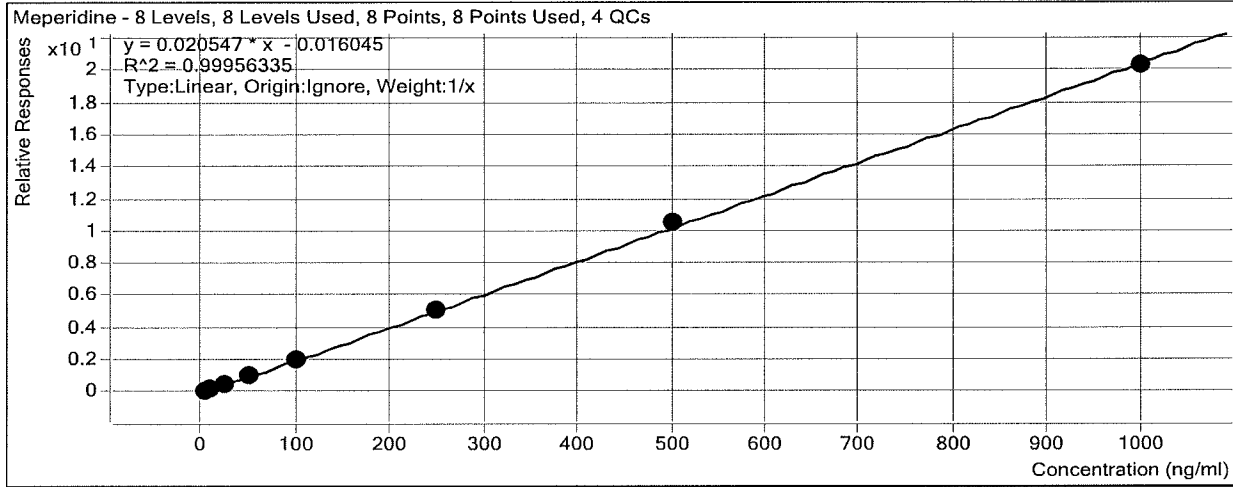
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.3	106.7
2b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	97.0
2b QC 10	2	<input checked="" type="checkbox"/>	10	10.1	101.1
2b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.0	96.1
2b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.3	100.7
2b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.7	101.7
2b QC 100	5	<input checked="" type="checkbox"/>	100	102.2	102.2
2b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	241.6	96.7
2b QC 250	6	<input checked="" type="checkbox"/>	250	250.9	100.4
2b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	504.5	100.9
2b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1002.7	100.3
2b QC 1000	8	<input checked="" type="checkbox"/>	1000	1044.0	104.4

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p2b.batch.bin

Last Calib Update 9/17/2017 10:14 AM **Analyst Name** ISP TOX

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



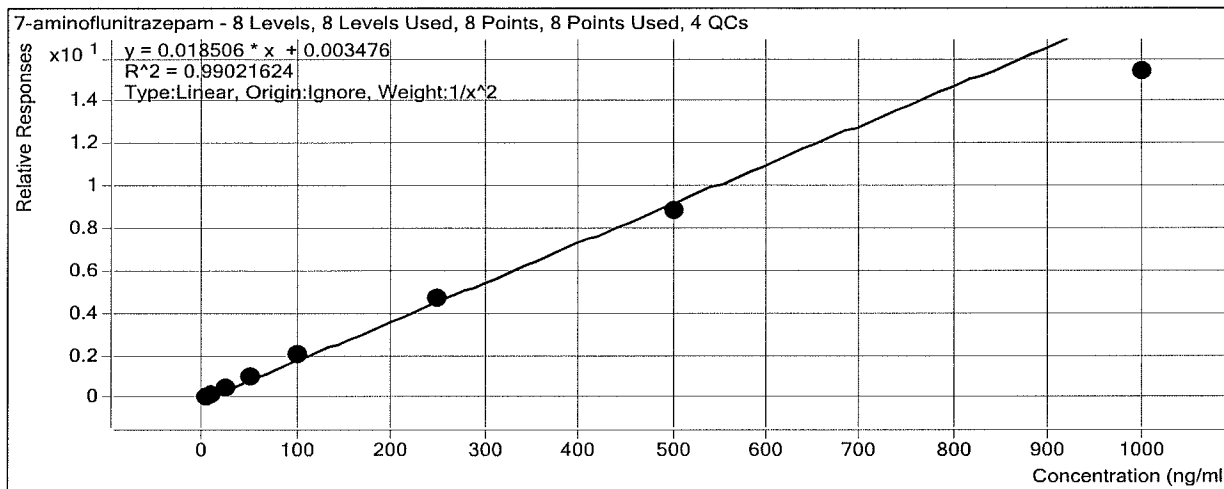
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.3	106.6
2b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	99.3
2b QC 10	2	<input checked="" type="checkbox"/>	10	9.7	97.0
2b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.2	92.7
2b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.2	100.4
2b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.4	99.4
2b QC 100	5	<input checked="" type="checkbox"/>	100	98.9	98.9
2b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	249.7	99.9
2b QC 250	6	<input checked="" type="checkbox"/>	250	242.1	96.8
2b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	515.0	103.0
2b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	987.3	98.7
2b QC 1000	8	<input checked="" type="checkbox"/>	1000	964.7	96.5

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p2b.batch.bin

Last Calib Update 9/17/2017 10:14 AM **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	<input checked="" type="checkbox"/>	5	5.0	99.3
2b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	97.3
2b QC 10	2	<input checked="" type="checkbox"/>	10	9.6	95.5
2b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.0	104.1
2b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	53.9	107.9
2b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	111.3	111.3
2b QC 100	5	<input checked="" type="checkbox"/>	100	104.0	104.0
2b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	253.8	101.5
2b QC 250	6	<input checked="" type="checkbox"/>	250	249.7	99.9
2b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	477.9	95.6
2b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	831.0	83.1
2b QC 1000	8	<input checked="" type="checkbox"/>	1000	779.9	78.0

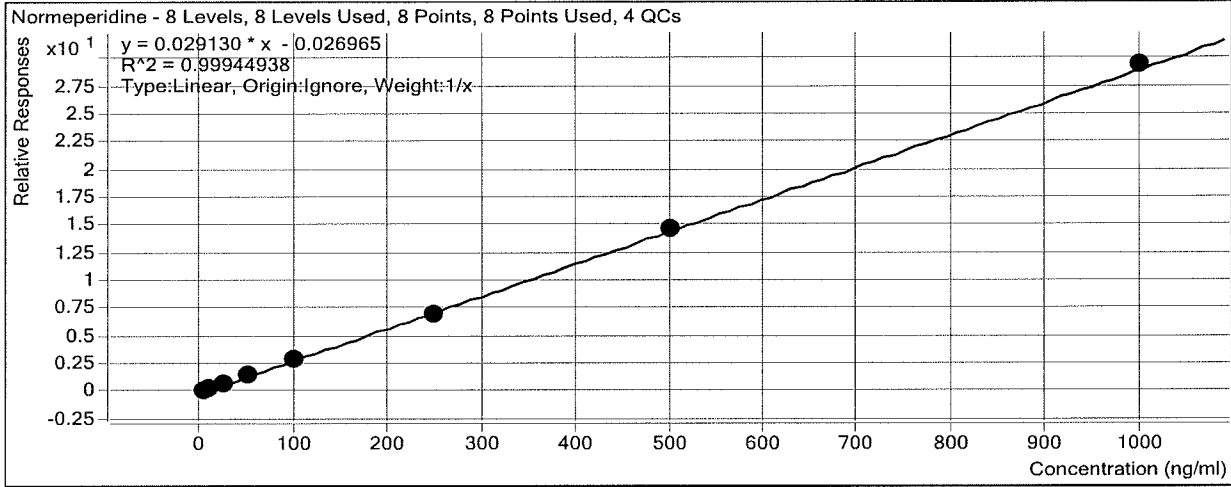
ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p2b.batch.bin

Last Calib Update 9/17/2017 10:14 AM

Analyst Name ISP TOX

Target Compound Normeperidine
Internal Standard Normeperidine-D4



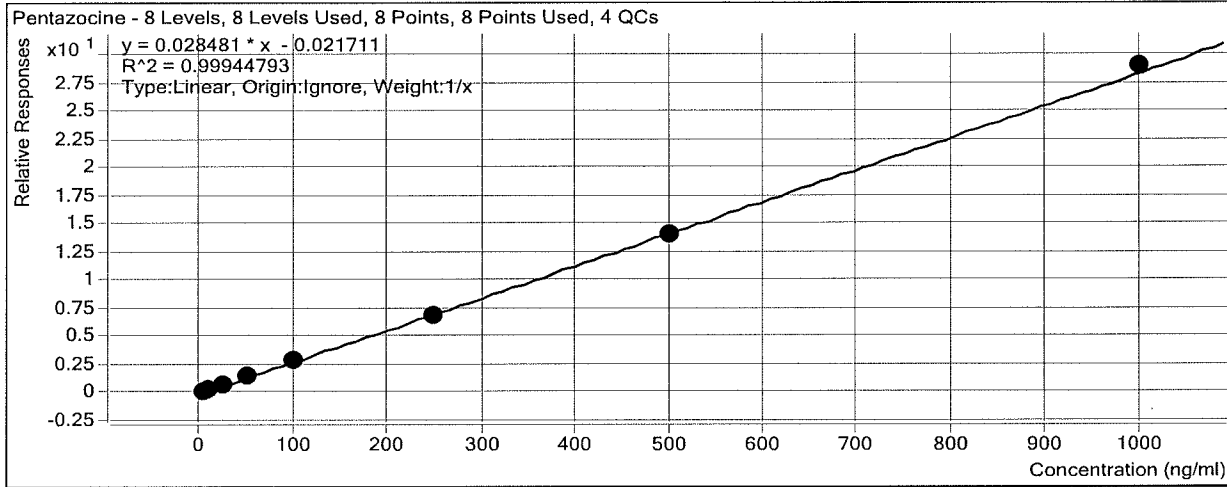
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.4	108.8
2b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	96.7
2b QC 10	2	<input checked="" type="checkbox"/>	10	9.6	96.0
2b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.6	98.2
2b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.1	98.2
2b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.0	102.0
2b QC 100	5	<input checked="" type="checkbox"/>	100	100.2	100.2
2b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	236.4	94.5
2b QC 250	6	<input checked="" type="checkbox"/>	250	249.5	99.8
2b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	502.5	100.5
2b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1010.3	101.0
2b QC 1000	8	<input checked="" type="checkbox"/>	1000	1031.9	103.2

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p2b.batch.bin

Last Calib Update 9/17/2017 10:14 AM **Analyst Name** ISP TOX

Target Compound Pentazocine
Internal Standard Pentazocine-13C3



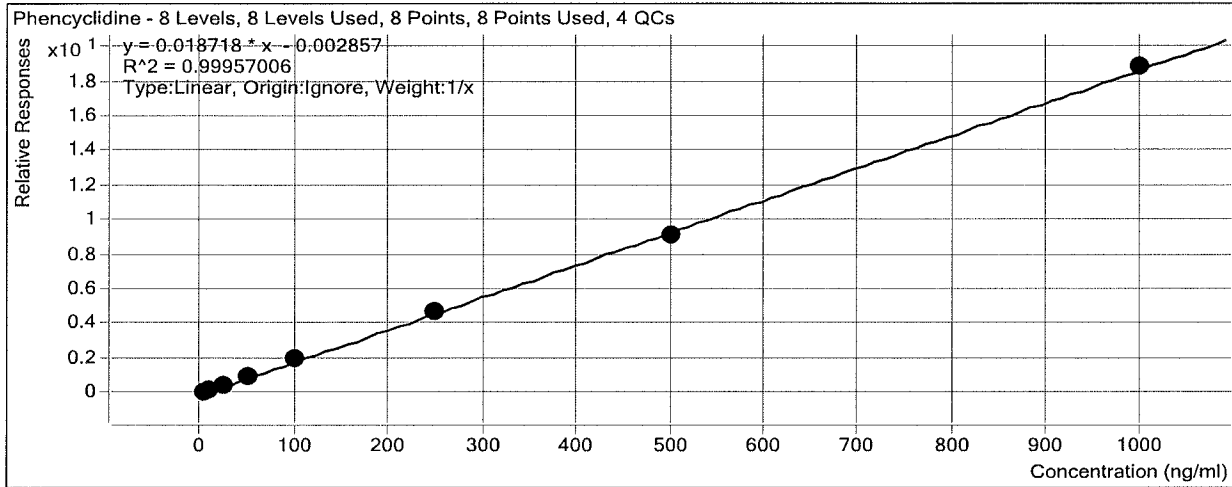
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.6	111.4
2b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	97.4
2b QC 10	2	<input checked="" type="checkbox"/>	10	10.1	100.6
2b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.6	94.5
2b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.1	102.2
2b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.9	97.9
2b QC 100	5	<input checked="" type="checkbox"/>	100	99.5	99.5
2b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	240.1	96.0
2b QC 250	6	<input checked="" type="checkbox"/>	250	249.4	99.8
2b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	494.5	98.9
2b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1017.5	101.8
2b QC 1000	8	<input checked="" type="checkbox"/>	1000	1019.6	102.0

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p2b.batch.bin

Last Calib Update 9/17/2017 10:14 AM **Analyst Name** ISP TOX

Target Compound Phencyclidine
Internal Standard Phencyclidine-D5



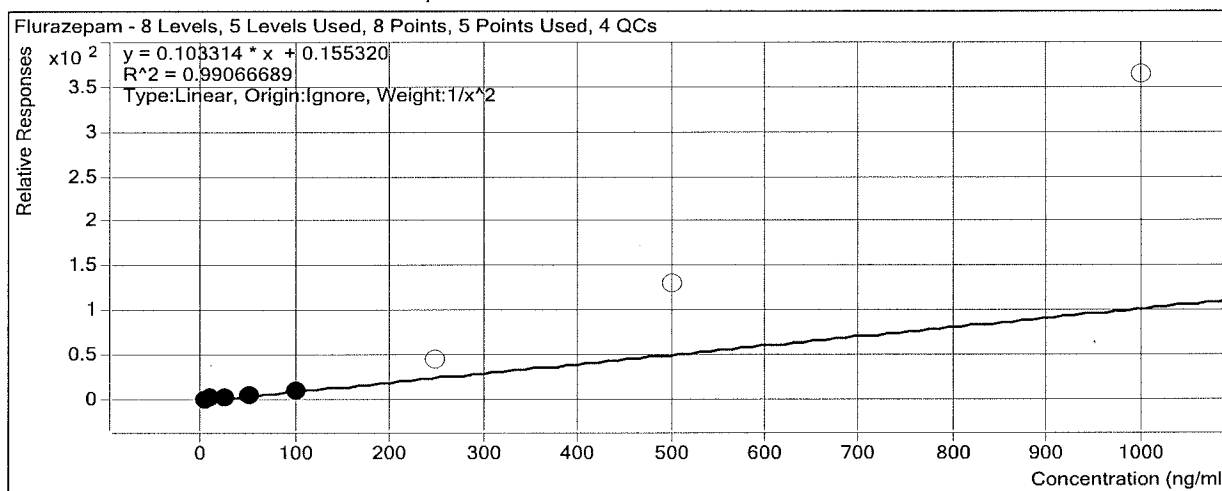
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.6
2b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	97.7
2b QC 10	2	<input checked="" type="checkbox"/>	10	10.2	102.1
2b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.5	94.1
2b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.7	103.3
2b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	106.1	106.1
2b QC 100	5	<input checked="" type="checkbox"/>	100	105.5	105.5
2b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	249.5	99.8
2b QC 250	6	<input checked="" type="checkbox"/>	250	263.7	105.5
2b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	489.6	97.9
2b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1004.9	100.5
2b QC 1000	8	<input checked="" type="checkbox"/>	1000	1036.1	103.6

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p2b.batch.bin

Last Calib Update 9/17/2017 10:14 AM **Analyst Name** ISP TOX

Target Compound Flurazepam
Internal Standard Flunitrazepam-D7



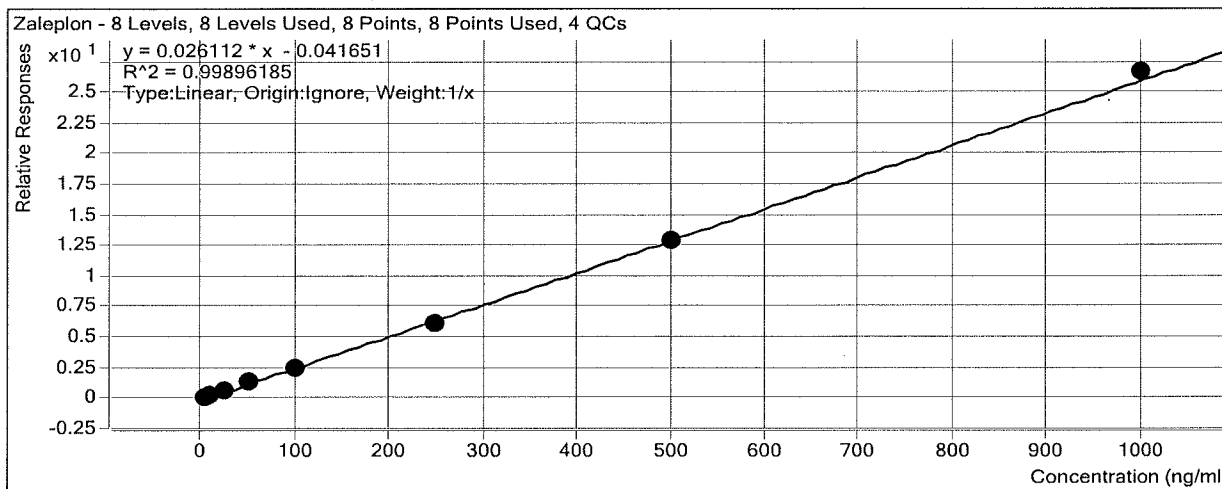
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.3	105.3
2b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	8.8	88.0
2b QC 10	2	<input checked="" type="checkbox"/>	10	21.1	211.4
2b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.0	99.8
2b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	53.6	107.2
2b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.7	99.7
2b QC 100	5	<input checked="" type="checkbox"/>	100	346.7	346.7
2b cal 6-250ng	6	<input type="checkbox"/>	250	443.3	177.3
2b QC 250	6	<input type="checkbox"/>	250	419.1	167.7
2b cal 7-500ng	7	<input type="checkbox"/>	500	1266.6	253.3
2b cal 8-1000ng	8	<input type="checkbox"/>	1000	3520.0	352.0
2b QC 1000	8	<input type="checkbox"/>	1000	4372.7	437.3

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p2b.batch.bin

Last Calib Update 9/17/2017 10:14 AM **Analyst Name** ISP TOX

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



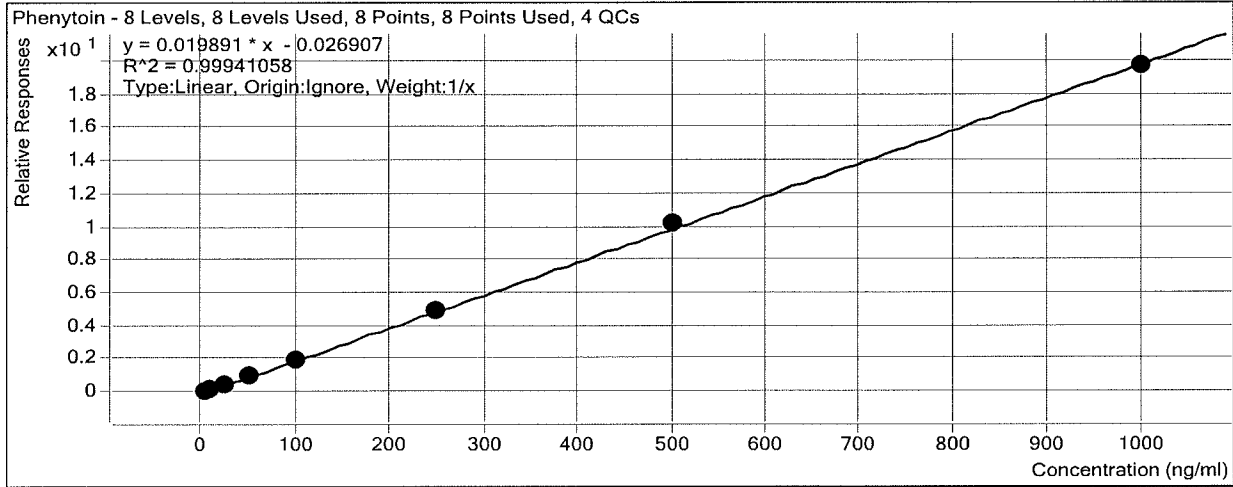
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.8	117.0
2b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	96.2
2b QC 10	2	<input checked="" type="checkbox"/>	10	10.3	103.5
2b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.8	95.4
2b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.1	98.2
2b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.0	98.0
2b QC 100	5	<input checked="" type="checkbox"/>	100	102.4	102.4
2b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	233.3	93.3
2b QC 250	6	<input checked="" type="checkbox"/>	250	246.5	98.6
2b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	499.0	99.8
2b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1021.3	102.1
2b QC 1000	8	<input checked="" type="checkbox"/>	1000	1008.7	100.9

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p2b.batch.bin

Last Calib Update 9/17/2017 10:14 AM **Analyst Name** ISP TOX

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



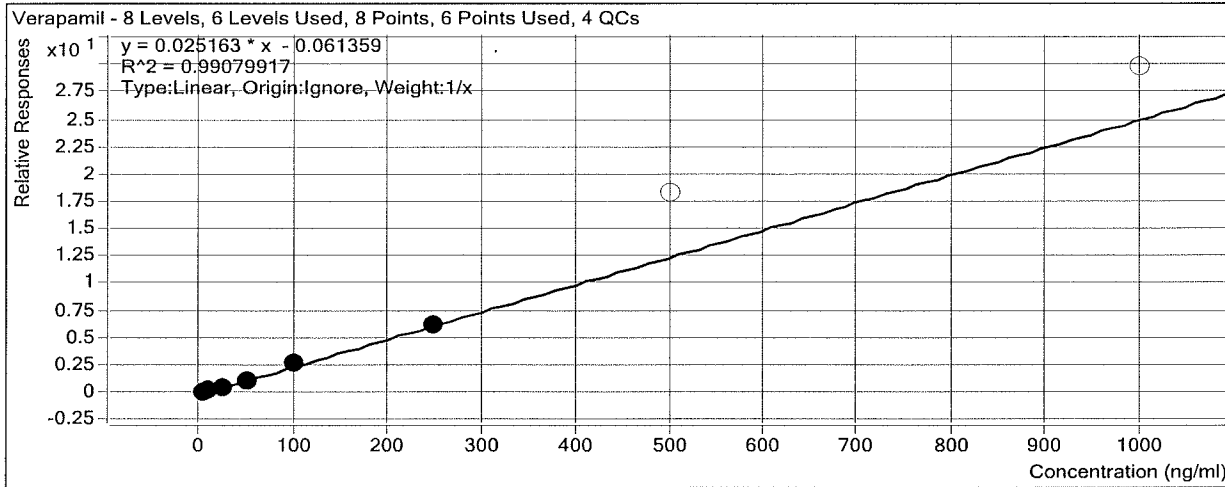
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.7	113.7
2b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	95.8
2b QC 10	2	<input checked="" type="checkbox"/>	10	10.1	100.9
2b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.9	95.5
2b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.4	94.7
2b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.4	98.4
2b QC 100	5	<input checked="" type="checkbox"/>	100	98.8	98.8
2b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	248.6	99.5
2b QC 250	6	<input checked="" type="checkbox"/>	250	240.3	96.1
2b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	517.2	103.4
2b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	989.2	98.9
2b QC 1000	8	<input checked="" type="checkbox"/>	1000	1020.2	102.0

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p2b.batch.bin

Last Calib Update 9/17/2017 10:14 AM **Analyst Name** ISP TOX

Target Compound Verapamil
Internal Standard Trimipramine-D3



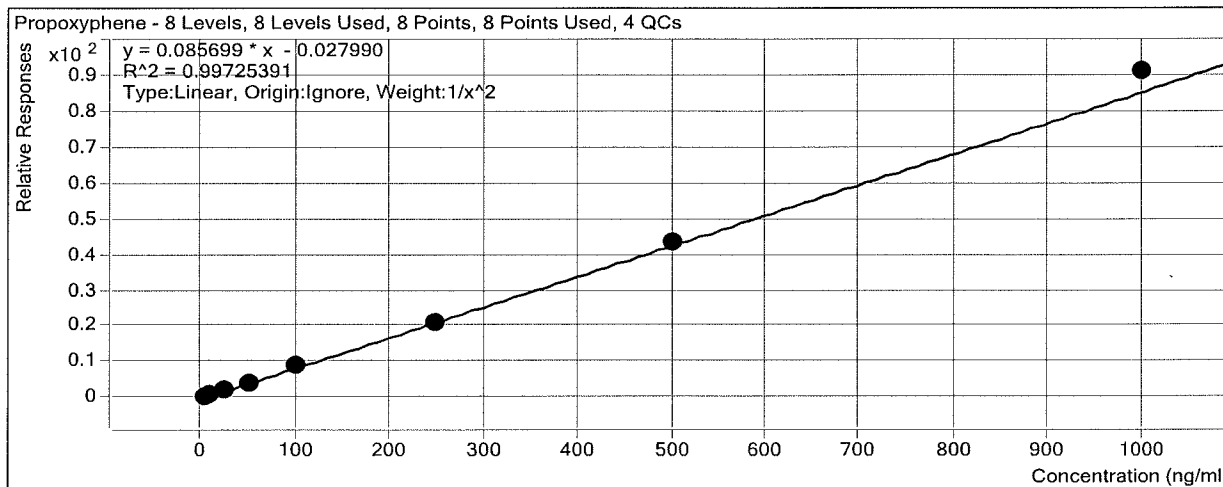
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.4
2b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	11.7	116.9
2b QC 10	2	<input checked="" type="checkbox"/>	10	8.3	83.4
2b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	20.5	82.0
2b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	44.1	88.3
2b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	111.7	111.7
2b QC 100	5	<input checked="" type="checkbox"/>	100	62.7	62.7
2b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	246.9	98.8
2b QC 250	6	<input checked="" type="checkbox"/>	250	315.2	126.1
2b cal 7-500ng	7	<input type="checkbox"/>	500	733.0	146.6
2b cal 8-1000ng	8	<input type="checkbox"/>	1000	1185.4	118.5
2b QC 1000	8	<input type="checkbox"/>	1000	1058.7	105.9

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p2b.batch.bin

Last Calib Update 9/17/2017 10:14 AM **Analyst Name** ISP TOX

Target Compound Propoxyphene
Internal Standard Propoxyphene-D11



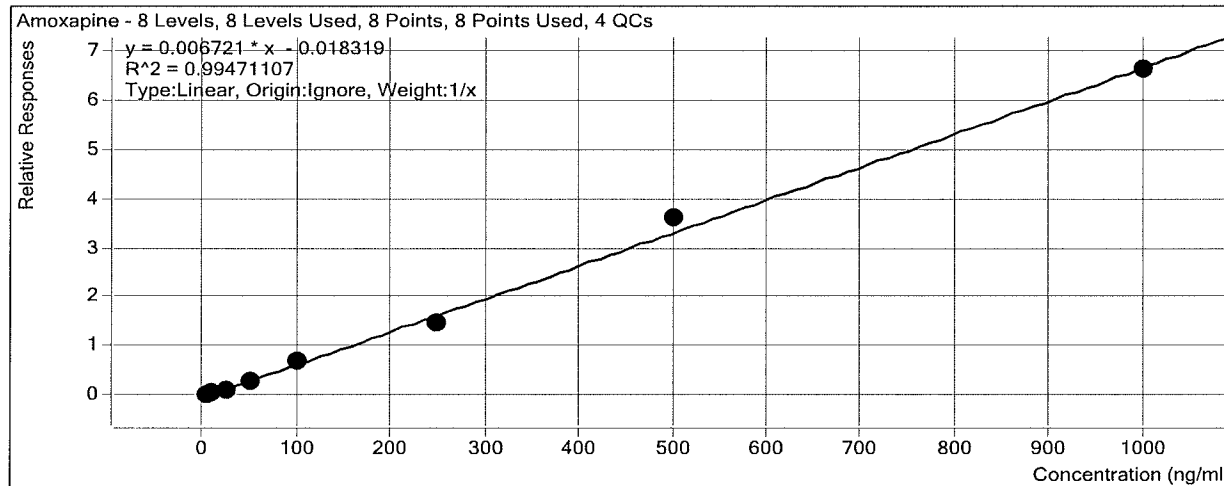
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	104.7
2b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.2	92.0
2b QC 10	2	<input checked="" type="checkbox"/>	10	9.7	96.6
2b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.1	96.2
2b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.5	99.1
2b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.3	101.3
2b QC 100	5	<input checked="" type="checkbox"/>	100	93.8	93.8
2b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	247.0	98.8
2b QC 250	6	<input checked="" type="checkbox"/>	250	255.8	102.3
2b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	507.4	101.5
2b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1062.5	106.2
2b QC 1000	8	<input checked="" type="checkbox"/>	1000	967.2	96.7

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p2b.batch.bin

Last Calib Update 9/17/2017 10:14 AM **Analyst Name** ISP TOX

Target Compound Amoxapine
Internal Standard Clomipramine-D3



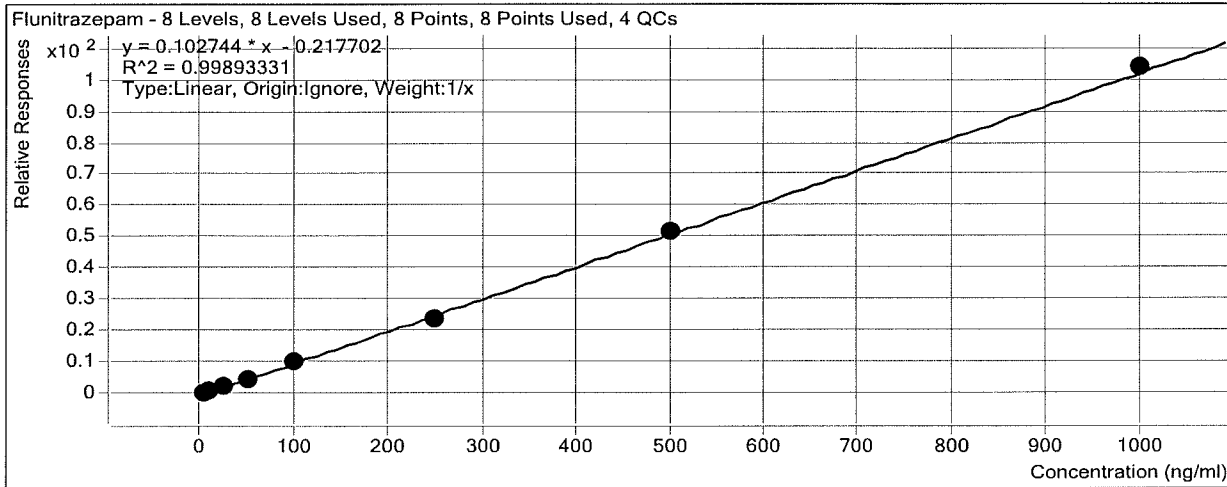
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	6.4	127.1
2b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	100.4
2b QC 10	2	<input checked="" type="checkbox"/>	10	8.9	89.3
2b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	20.2	80.9
2b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	44.3	88.6
2b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	106.9	106.9
2b QC 100	5	<input checked="" type="checkbox"/>	100	60.5	60.5
2b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	221.9	88.8
2b QC 250	6	<input checked="" type="checkbox"/>	250	347.1	138.8
2b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	542.8	108.6
2b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	987.4	98.7
2b QC 1000	8	<input checked="" type="checkbox"/>	1000	805.2	80.5

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p2b.batch.bin

Last Calib Update 9/17/2017 10:14 AM **Analyst Name** ISP TOX

Target Compound Flunitrazepam
Internal Standard Flunitrazepam-D7



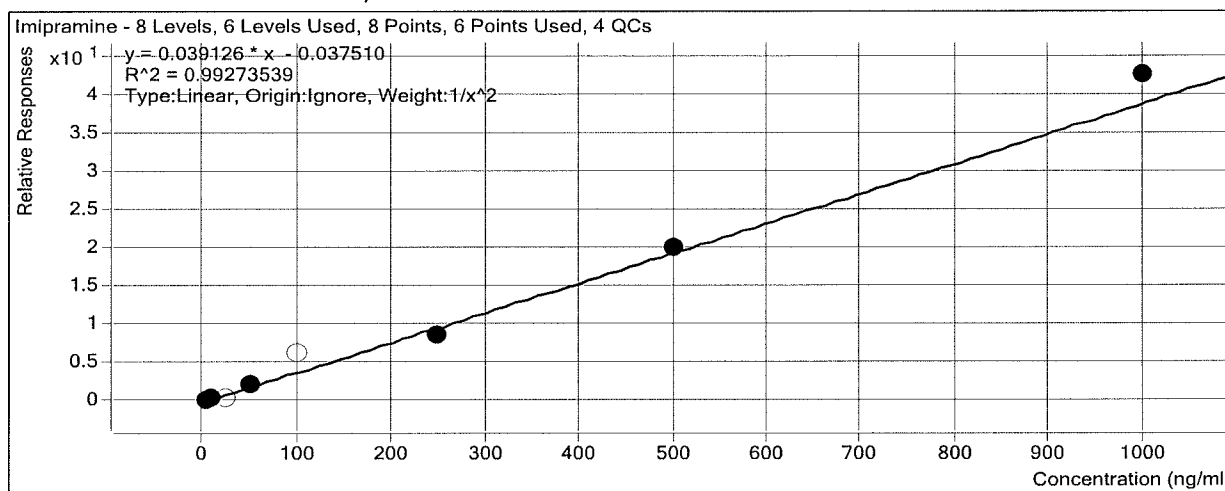
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.8	115.8
2b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.8	108.4
2b QC 10	2	<input checked="" type="checkbox"/>	10	10.3	102.9
2b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	21.4	85.4
2b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.2	94.5
2b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.7	98.7
2b QC 100	5	<input checked="" type="checkbox"/>	100	95.0	95.0
2b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	236.5	94.6
2b QC 250	6	<input checked="" type="checkbox"/>	250	243.5	97.4
2b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	507.7	101.5
2b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1011.9	101.2
2b QC 1000	8	<input checked="" type="checkbox"/>	1000	1083.1	108.3

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p2b.batch.bin

Last Calib Update 9/17/2017 10:14 AM **Analyst Name** ISP TOX

Target Compound Imipramine
Internal Standard Imipramine-D3



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	103.7
2b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.2	92.3
2b QC 10	2	<input checked="" type="checkbox"/>	10	10.6	105.8
2b cal 3-25ng	3	<input type="checkbox"/>	25	13.0	52.1
2b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.6	103.3
2b cal 5-100ng	5	<input type="checkbox"/>	100	158.6	158.6
2b QC 100	5	<input type="checkbox"/>	100	104.9	104.9
2b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	223.3	89.3
2b QC 250	6	<input checked="" type="checkbox"/>	250	223.3	89.3
2b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	512.3	102.5
2b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1089.9	109.0
2b QC 1000	8	<input checked="" type="checkbox"/>	1000	924.9	92.5

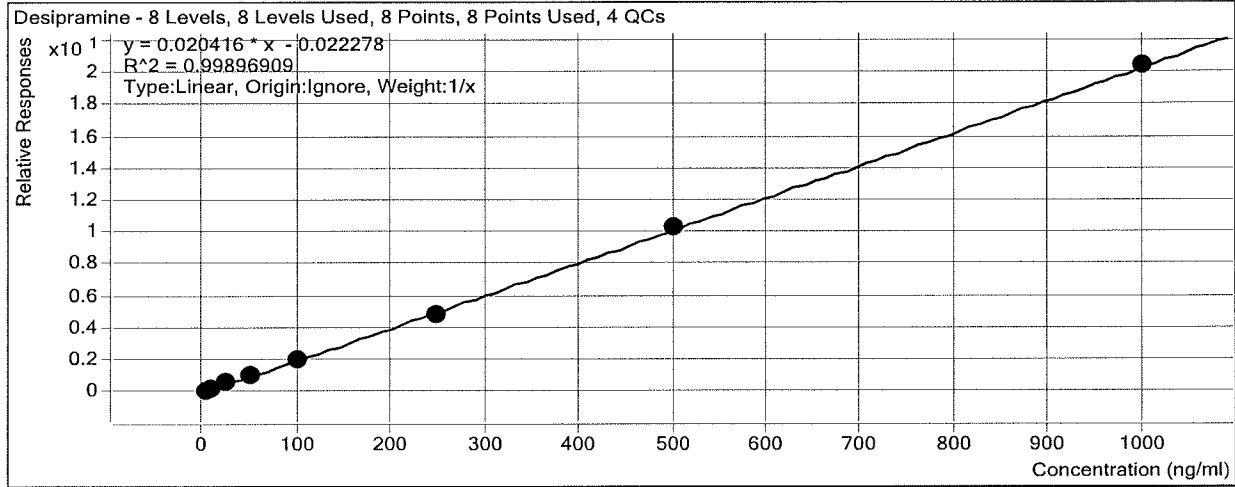
Dropped points due to
Flat tops *A*

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p2b.batch.bin

Last Calib Update 9/17/2017 10:14 AM **Analyst Name** ISP TOX

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



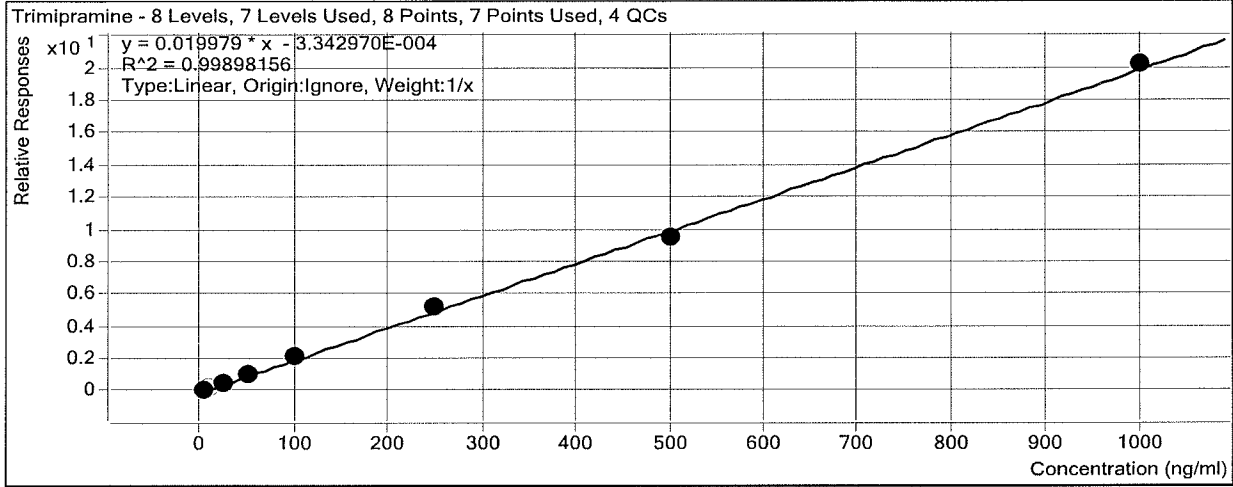
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.3	106.8
2b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	7.6	76.3
2b QC 10	2	<input checked="" type="checkbox"/>	10	10.3	103.4
2b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	28.2	112.9
2b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.6	105.3
2b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.4	102.4
2b QC 100	5	<input checked="" type="checkbox"/>	100	98.5	98.5
2b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	238.1	95.2
2b QC 250	6	<input checked="" type="checkbox"/>	250	209.2	83.7
2b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	505.4	101.1
2b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1000.4	100.0
2b QC 1000	8	<input checked="" type="checkbox"/>	1000	1028.6	102.9

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p2b.batch.bin

Last Calib Update 9/17/2017 10:14 AM **Analyst Name** ISP TOX

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



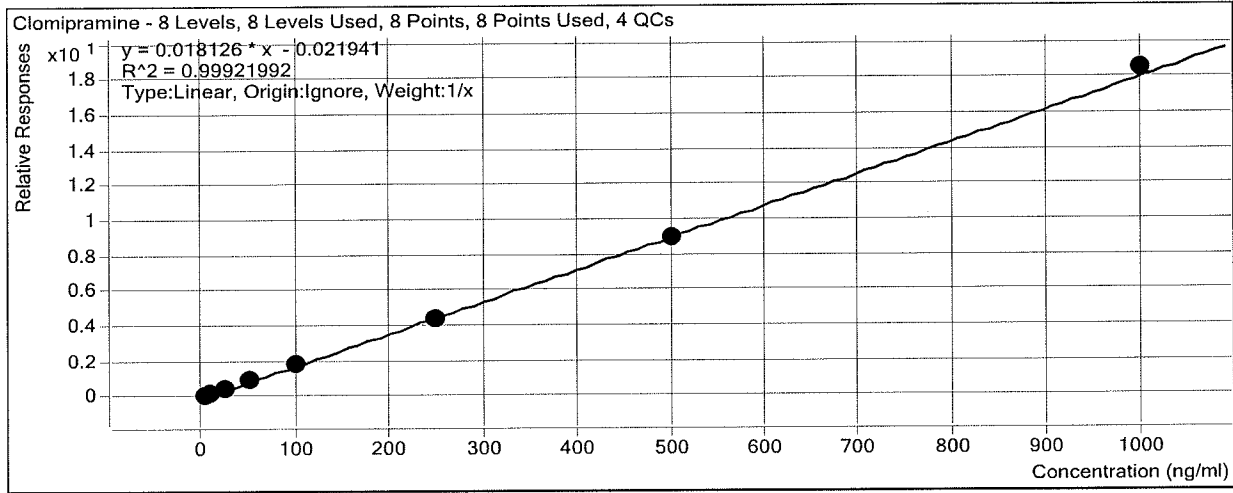
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.9	97.4
2b cal 2-10ng	2	<input type="checkbox"/>	10	10.6	106.0
2b QC 10	2	<input type="checkbox"/>	10	10.1	101.2
2b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.4	97.6
2b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.5	101.0
2b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.9	103.9
2b QC 100	5	<input checked="" type="checkbox"/>	100	101.2	101.2
2b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	259.7	103.9
2b QC 250	6	<input checked="" type="checkbox"/>	250	251.3	100.5
2b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	476.3	95.3
2b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1010.4	101.0
2b QC 1000	8	<input checked="" type="checkbox"/>	1000	1029.7	103.0

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p2b.batch.bin

Last Calib Update 9/17/2017 10:14 AM **Analyst Name** ISP TOX

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



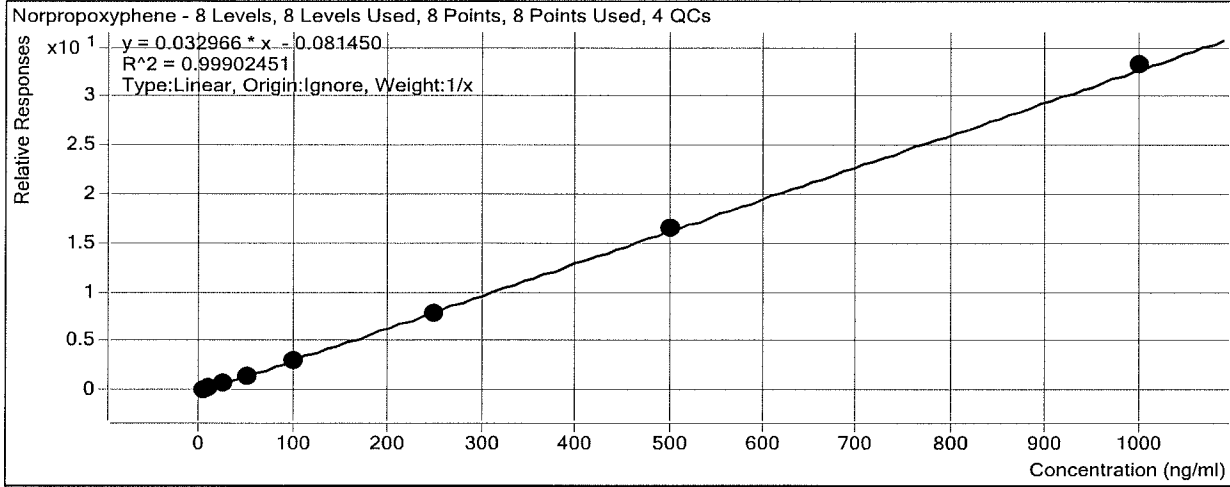
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.8	116.1
2b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	96.2
2b QC 10	2	<input checked="" type="checkbox"/>	10	10.2	102.0
2b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.9	91.7
2b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.7	101.4
2b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.4	98.4
2b QC 100	5	<input checked="" type="checkbox"/>	100	97.5	97.5
2b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	238.8	95.5
2b QC 250	6	<input checked="" type="checkbox"/>	250	241.2	96.5
2b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	493.1	98.6
2b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1020.7	102.1
2b QC 1000	8	<input checked="" type="checkbox"/>	1000	999.1	99.9

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p2b.batch.bin

Last Calib Update 9/17/2017 10:14 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
2b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	6.4	127.6
2b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	98.4
2b QC 10	2	<input checked="" type="checkbox"/>	10	10.5	104.6
2b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	21.4	85.7
2b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.1	92.3
2b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	96.5	96.5
2b QC 100	5	<input checked="" type="checkbox"/>	100	104.9	104.9
2b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	242.7	97.1
2b QC 250	6	<input checked="" type="checkbox"/>	250	255.0	102.0
2b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	507.1	101.4
2b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1010.0	101.0
2b QC 1000	8	<input checked="" type="checkbox"/>	1000	1137.7	113.8

ISP FORENSICS - Cd'A Instrument # 62340

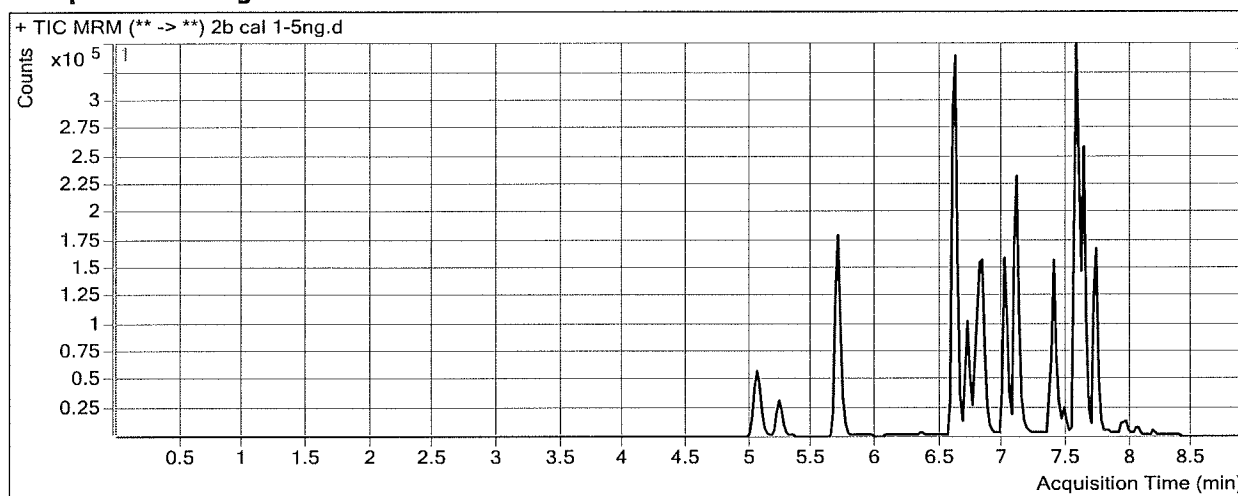
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p2b.batch.bin		
Analysis Time	9/17/2017 10:14 AM	Analyst Name	ISP Tox
Report Time	9/17/2017 10:18 AM	Reporter Name	ISP Tox
Last Calib Update	9/17/2017 10:14 AM	Batch State	Processed

Analysis Info

Acq Time	2017-09-15 07:52	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	5.077	32110	194914	0.1647	4.8384
MDMA	MDMA-D6	5.235	37992	53176	0.7145	5.0289
MDEA	MDEA-D6	5.688	37923	481983	0.0787	5.2278
Primidone	Tapentadol-D3	6.361	4549	936682	0.0049	6.0290
Tapentadol	Tapentadol-D3	6.623	93251	936682	0.0996	5.3365
Meperidine	Meperidine-D4	6.721	23527	251578	0.0935	5.3324
7-aminoflunitrazepam	7-aminoflunitrazepam-D7	6.817	32744	343450	0.0953	4.9639
Normeperidine	Normeperidine-D4	6.825	25088	190773	0.1315	5.4403
Pentazocine	Pentazocine-13C3	7.001	46564	340173	0.1369	5.5684
Phencyclidine	Phencyclidine-D5	7.108	51932	568986	0.0913	5.0287
Flurazepam	Flunitrazepam-D7	7.355	46469	66439	0.6994	5.2665
Zaleplon	Zaleplon-D4	7.382	28682	258245	0.1111	5.8484
Phenytoin	Phenytoin-D10	7.429	1483	17213	0.0862	5.6844
Verapamil	Trimipramine-D3	7.455	28215	418081	0.0675	5.1204
Propoxyphene	Propoxyphene-D11	7.558	46016	109355	0.4208	5.2367
Amoxapine	Clomipramine-D3	7.540	8833	362014	0.0244	6.3566
Flunitrazepam	Flunitrazepam-D7	7.561	25045	66439	0.3770	5.7878
Imipramine	Imipramine-D3	7.570	37272	225473	0.1653	5.1836
Desipramine	Desipramine-D3	7.591	29580	341035	0.0867	5.3397
Trimipramine	Trimipramine-D3	7.627	40524	418081	0.0969	4.8683
Clomipramine	Clomipramine-D3	7.721	30146	362014	0.0833	5.8047
Norpropoxyphene	Norpropoxyphene-D5	7.949	3194	24770	0.1289	6.3816

ISP FORENSICS - Cd'A Instrument # 62340

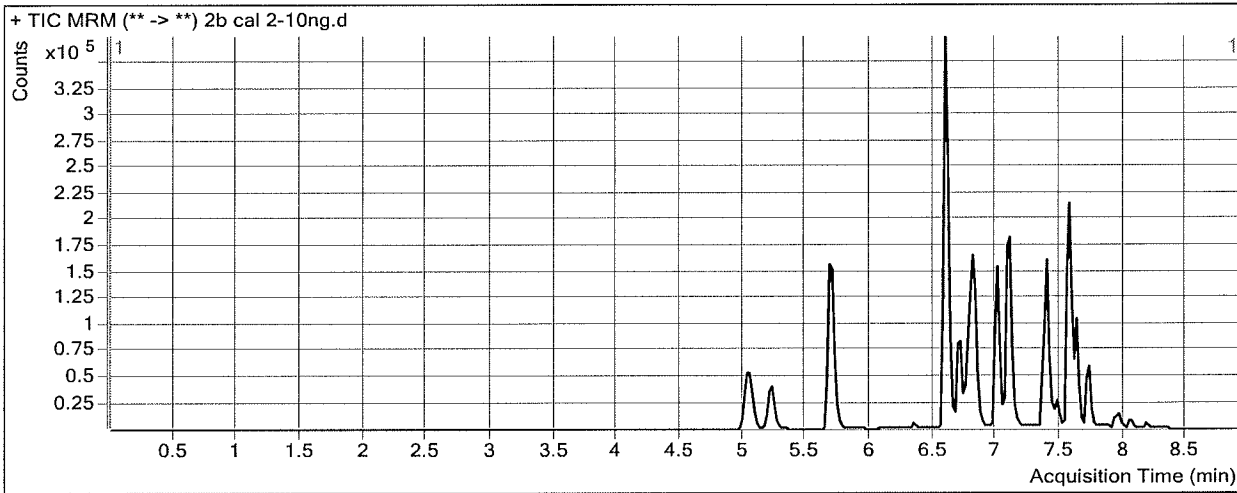
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p2b.batch.bin
Analysis Time 9/17/2017 10:14 AM **Analyst Name** ISP Tox
Report Time 9/17/2017 10:18 AM **Reporter Name** ISP Tox
Last Calib Update 9/17/2017 10:14 AM **Batch State** Processed

Analysis Info

Acq Time 2017-09-15 08:17 **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	5.077	52163	170547	0.3059	9.2025
MDMA	MDMA-D6	5.235	64232	45068	1.4252	9.6962
MDEA	MDEA-D6	5.688	61828	407907	0.1516	9.6267
Primidone	Tapentadol-D3	6.341	8125	854119	0.0095	9.6530
Tapentadol	Tapentadol-D3	6.603	161763	854119	0.1894	9.6956
Meperidine	Meperidine-D4	6.721	39536	210296	0.1880	9.9309
7-aminoflunitrazepam	7-aminoflunitrazepam-D7	6.817	56833	309678	0.1835	9.7292
Normeperidine	Normeperidine-D4	6.825	37445	147007	0.2547	9.6699
Pentazocine	Pentazocine-13C3	7.001	73770	288574	0.2556	9.7380
Phencyclidine	Phencyclidine-D5	7.108	79899	443729	0.1801	9.7725
Flurazepam	Flunitrazepam-D7	7.355	61925	58166	1.0646	8.8014
Zaleplon	Zaleplon-D4	7.382	48466	231401	0.2094	9.6162
Phenytoin	Phenytoin-D10	7.449	3108	18998	0.1636	9.5775
Verapamil	Trimipramine-D3	7.455	35452	152255	0.2328	11.6918
Propoxyphene	Propoxyphene-D11	7.538	56292	73998	0.7607	9.2033
Amoxapine	Clomipramine-D3	7.540	5636	114626	0.0492	10.0424
Flunitrazepam	Flunitrazepam-D7	7.561	52096	58166	0.8956	10.8361
Imipramine	Imipramine-D3	7.570	33140	102409	0.3236	9.2294
Desipramine	Desipramine-D3	7.591	18112	135678	0.1335	7.6301
Trimipramine	Trimipramine-D3	7.627	32199	152255	0.2115	10.6021
Clomipramine	Clomipramine-D3	7.721	17476	114626	0.1525	9.6218
Norpropoxyphene	Norpropoxyphene-D5	7.949	5905	24306	0.2430	9.8409

ISP FORENSICS - Cd'A Instrument # 62340

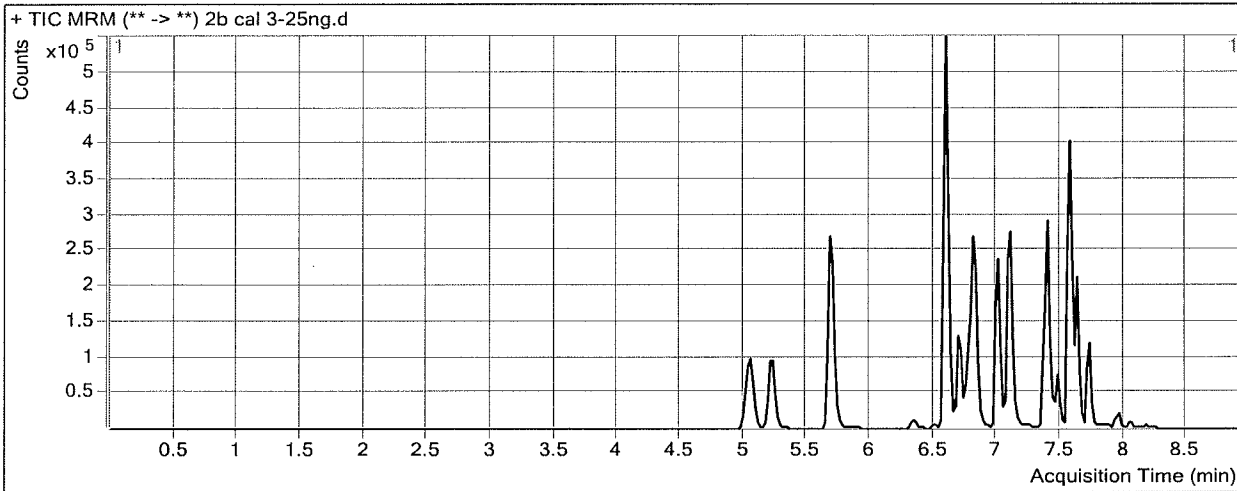
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p2b.batch.bin
Analysis Time 9/17/2017 10:14 AM **Analyst Name** ISP Tox
Report Time 9/17/2017 10:18 AM **Reporter Name** ISP Tox
Last Calib Update 9/17/2017 10:14 AM **Batch State** Processed

Analysis Info

Acq Time 2017-09-15 08:43 **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	5.057	153943	189576	0.8120	24.8564
MDMA	MDMA-D6	5.235	189149	51450	3.6763	24.4783
MDEA	MDEA-D6	5.688	180260	473847	0.3804	23.4364
Primidone	Tapentadol-D3	6.341	23086	947779	0.0244	21.2069
Tapentadol	Tapentadol-D3	6.603	459559	947779	0.4849	24.0337
Meperidine	Meperidine-D4	6.721	104508	227193	0.4600	23.1684
7-aminoflunitrazepam	7-aminoflunitrazepam-D7	6.797	167624	345460	0.4852	26.0318
Normeperidine	Normeperidine-D4	6.825	105235	152881	0.6883	24.5559
Pentazocine	Pentazocine-13C3	7.001	201187	308911	0.6513	23.6295
Phencyclidine	Phencyclidine-D5	7.108	211399	483292	0.4374	23.5215
Flurazepam	Flunitrazepam-D7	7.355	176135	64439	2.7334	24.9534
Zaleplon	Zaleplon-D4	7.382	152011	261620	0.5810	23.8468
Phenytoin	Phenytoin-D10	7.429	8680	19368	0.4482	23.8841
Verapamil	Trimipramine-D3	7.455	98346	216416	0.4544	20.4977
Propoxyphene	Propoxyphene-D11	7.558	167940	82562	2.0341	24.0621
Amoxapine	Clomipramine-D3	7.540	19422	165186	0.1176	20.2204
Flunitrazepam	Flunitrazepam-D7	7.561	127344	64439	1.9762	21.3531
Imipramine	Imipramine-D3	7.548	58876	124593	0.4726	13.0362
Desipramine	Desipramine-D3	7.591	81814	147637	0.5542	28.2347
Trimipramine	Trimipramine-D3	7.627	105407	216416	0.4871	24.3955
Clomipramine	Clomipramine-D3	7.721	65025	165186	0.3936	22.9281
Norpropoxyphene	Norpropoxyphene-D5	7.949	15995	25606	0.6247	21.4196

ISP FORENSICS - Cd'A Instrument # 62340

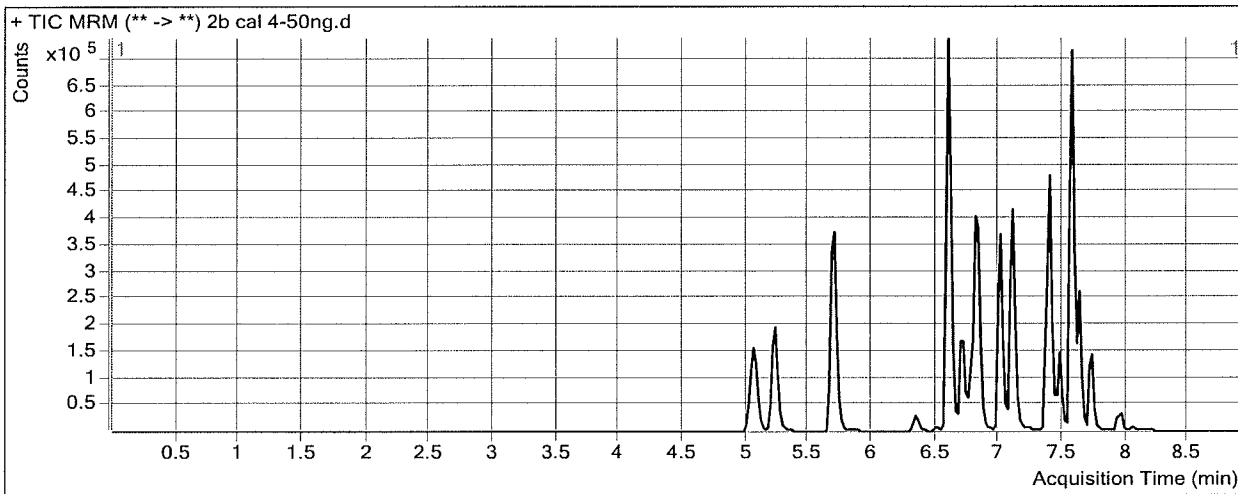
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p2b.batch.bin
Analysis Time 9/17/2017 10:14 AM **Analyst Name** ISP Tox
Report Time 9/17/2017 10:18 AM **Reporter Name** ISP Tox
Last Calib Update 9/17/2017 10:14 AM **Batch State** Processed

Analysis Info

Acq Time 2017-09-15 09:08 **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	5.057	294964	176588	1.6703	51.3996
MDMA	MDMA-D6	5.235	370650	48060	7.7123	50.9804
MDEA	MDEA-D6	5.688	361299	424735	0.8506	51.8126
Primidone	Tapentadol-D3	6.341	50900	884255	0.0576	47.0493
Tapentadol	Tapentadol-D3	6.603	907947	884255	1.0268	50.3291
Meperidine	Meperidine-D4	6.721	215760	212592	1.0149	50.1753
7-aminoflunitrazepam	7-aminoflunitrazepam-D7	6.797	345916	345379	1.0016	53.9330
Normeperidine	Normeperidine-D4	6.825	201382	143495	1.4034	49.1034
Pentazocine	Pentazocine-13C3	7.001	395524	275941	1.4334	51.0895
Phencyclidine	Phencyclidine-D5	7.108	434925	451073	0.9642	51.6651
Flurazepam	Flunitrazepam-D7	7.355	344428	60522	5.6909	53.5805
Zaleplon	Zaleplon-D4	7.382	316422	254962	1.2411	49.1231
Phenytoin	Phenytoin-D10	7.449	19043	20805	0.9153	47.3697
Verapamil	Trimipramine-D3	7.455	209829	200027	1.0490	44.1263
Propoxyphene	Propoxyphene-D11	7.558	311714	73896	4.2183	49.5485
Amoxapine	Clomipramine-D3	7.540	39418	141158	0.2792	44.2764
Flunitrazepam	Flunitrazepam-D7	7.561	280580	60522	4.6360	47.2408
Imipramine	Imipramine-D3	7.570	208676	105256	1.9826	51.6291
Desipramine	Desipramine-D3	7.591	168946	160547	1.0523	52.6353
Trimipramine	Trimipramine-D3	7.627	201720	200027	1.0085	50.4935
Clomipramine	Clomipramine-D3	7.721	126594	141158	0.8968	50.6885
Norpropoxyphene	Norpropoxyphene-D5	7.949	41067	28528	1.4395	46.1374

ISP FORENSICS - Cd'A Instrument # 62340

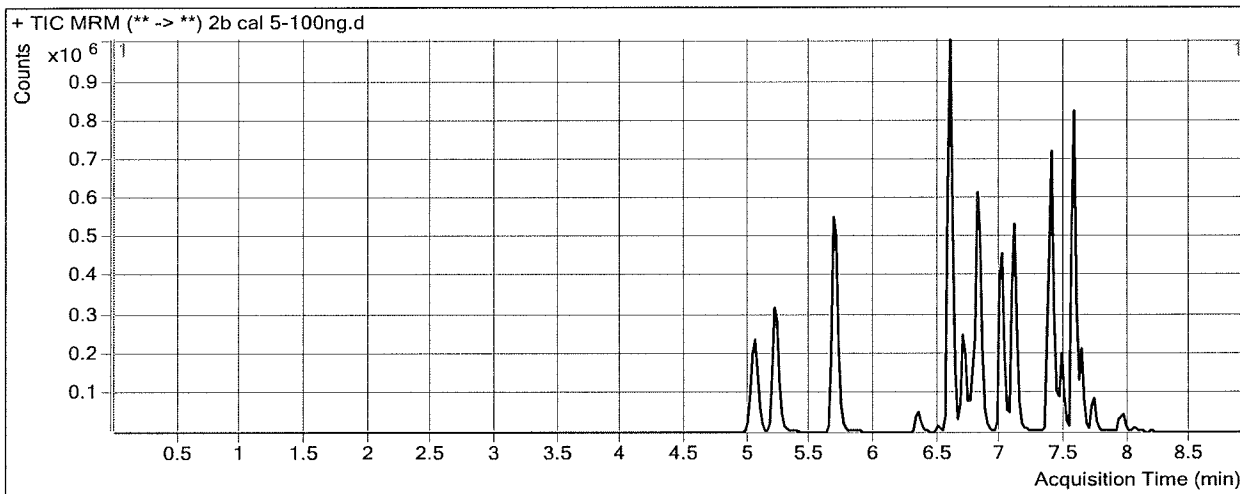
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p2b.batch.bin
Analysis Time 9/17/2017 10:14 AM **Analyst Name** ISP Tox
Report Time 9/17/2017 10:18 AM **Reporter Name** ISP Tox
Last Calib Update 9/17/2017 10:14 AM **Batch State** Processed

Analysis Info

Acq Time 2017-09-15 09:34 **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	5.057	513308	145268	3.5335	109.0188
MDMA	MDMA-D6	5.215	650164	42344	15.3543	101.1626
MDEA	MDEA-D6	5.688	617906	371533	1.6631	100.8421
Primidone	Tapentadol-D3	6.341	98422	763591	0.1289	102.5640
Tapentadol	Tapentadol-D3	6.603	1592181	763591	2.0851	101.6828
Meperidine	Meperidine-D4	6.699	357587	176474	2.0263	99.3986
7-aminoflunitrazepam	7-aminoflunitrazepam-D7	6.797	627276	304161	2.0623	111.2530
Normeperidine	Normeperidine-D4	6.825	312475	106157	2.9435	101.9740
Pentazocine	Pentazocine-13C3	7.001	619393	223950	2.7658	97.8717
Phencyclidine	Phencyclidine-D5	7.108	693082	349522	1.9829	106.0913
Flurazepam	Flunitrazepam-D7	7.355	495343	47384	10.4538	99.6814
Zaleplon	Zaleplon-D4	7.382	577271	229335	2.5172	97.9933
Phenytoin	Phenytoin-D10	7.429	35454	18359	1.9312	98.4410
Verapamil	Trimipramine-D3	7.455	256664	93373	2.7488	111.6765
Propoxyphene	Propoxyphene-D11	7.558	423741	48945	8.6575	101.3489
Amoxapine	Clomipramine-D3	7.540	36038	51452	0.7004	106.9465
Flunitrazepam	Flunitrazepam-D7	7.561	470012	47384	9.9192	98.6623
Imipramine	Imipramine-D3	7.570	186439	30225	6.1683	158.6087
Desipramine	Desipramine-D3	7.591	150290	72692	2.0675	102.3605
Trimipramine	Trimipramine-D3	7.627	193754	93373	2.0750	103.8791
Clomipramine	Clomipramine-D3	7.721	90650	51452	1.7618	98.4113
Norpropoxyphene	Norpropoxyphene-D5	7.949	78589	25347	3.1005	96.5227

ISP FORENSICS - Cd'A Instrument # 62340

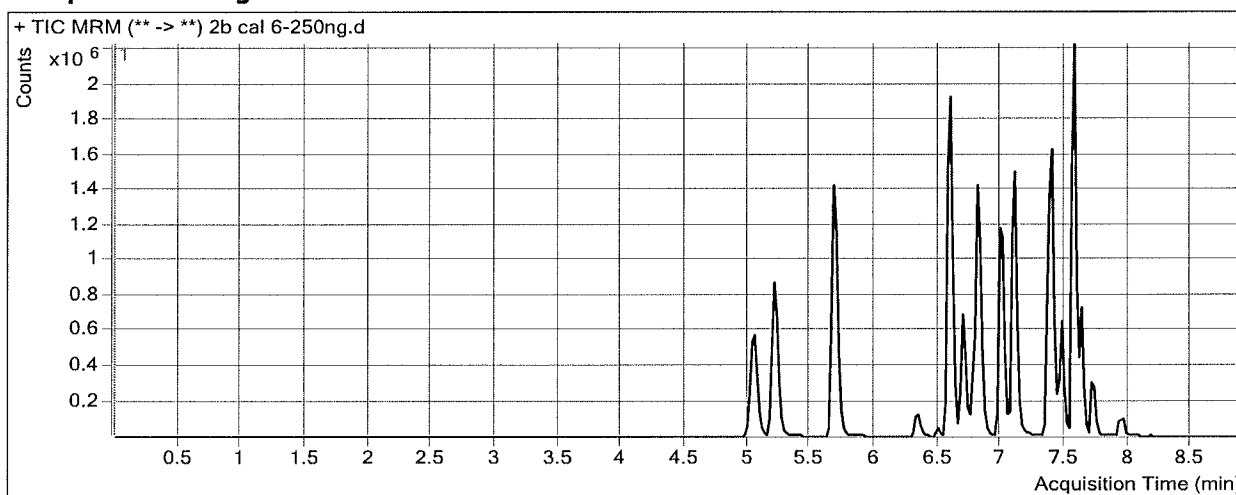
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p2b.batch.bin		
Analysis Time	9/17/2017 10:14 AM	Analyst Name	ISP Tox
Report Time	9/17/2017 10:18 AM	Reporter Name	ISP Tox
Last Calib Update	9/17/2017 10:14 AM	Batch State	Processed

Analysis Info

Acq Time	2017-09-15 09:59	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	5.057	1341624	164278	8.1668	252.3027
MDMA	MDMA-D6	5.215	1807671	46940	38.5100	253.2166
MDEA	MDEA-D6	5.668	1785439	427984	4.1717	252.2269
Primidone	Tapentadol-D3	6.341	254240	787539	0.3228	253.4978
Tapentadol	Tapentadol-D3	6.603	3913730	787539	4.9696	241.6457
Meperidine	Meperidine-D4	6.699	1113347	217651	5.1153	249.7371
7-aminoflunitrazepam	7-aminoflunitrazepam-D7	6.797	1482066	315327	4.7001	253.7903
Normeperidine	Normeperidine-D4	6.805	848074	123652	6.8586	236.3732
Pentazocine	Pentazocine-13C3	6.981	1857352	272496	6.8161	240.0828
Phencyclidine	Phencyclidine-D5	7.108	2197416	470864	4.6668	249.4753
Flurazepam	Flunitrazepam-D7	7.355	1778198	38698	45.9509	443.2659
Zaleplon	Zaleplon-D4	7.382	1332545	220244	6.0503	233.3001
Phenytoin	Phenytoin-D10	7.429	96514	19622	4.9187	248.6384
Verapamil	Trimipramine-D3	7.455	974358	158403	6.1511	246.8873
Propoxyphene	Propoxyphene-D11	7.538	1467577	69414	21.1423	247.0307
Amoxapine	Clomipramine-D3	7.540	136102	92408	1.4728	221.8782
Flunitrazepam	Flunitrazepam-D7	7.561	931762	38698	24.0780	236.4685
Imipramine	Imipramine-D3	7.570	819351	94164	8.7013	223.3486
Desipramine	Desipramine-D3	7.591	543384	112320	4.8378	238.0551
Trimipramine	Trimipramine-D3	7.627	821951	158403	5.1890	259.7422
Clomipramine	Clomipramine-D3	7.701	397887	92408	4.3058	238.7606
Norpropoxyphene	Norpropoxyphene-D5	7.949	213947	27017	7.9191	242.6923

ISP FORENSICS - Cd'A Instrument # 62340

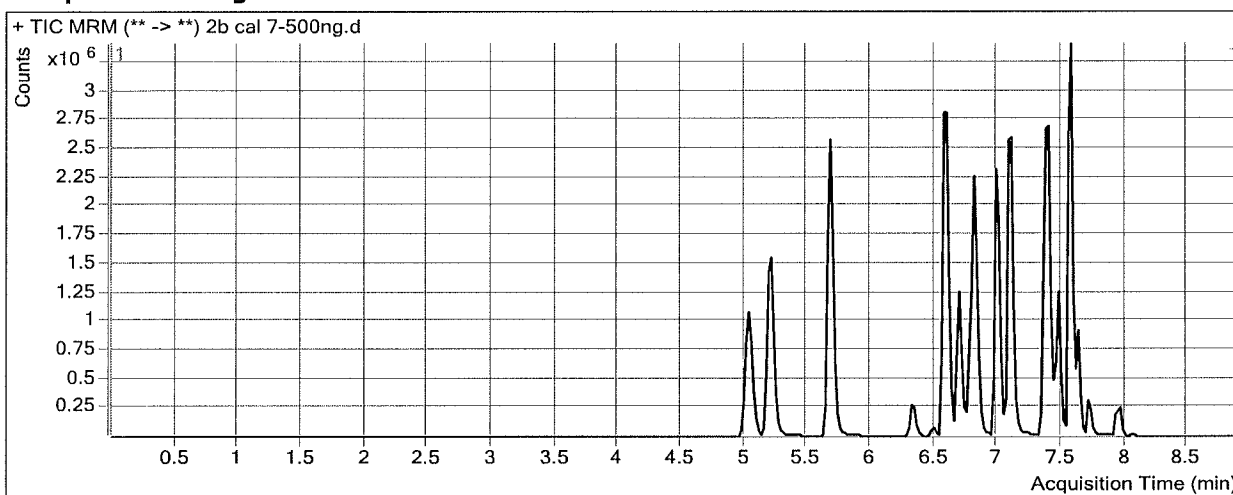
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p2b.batch.bin		
Analysis Time	9/17/2017 10:14 AM	Analyst Name	ISP Tox
Report Time	9/17/2017 10:18 AM	Reporter Name	ISP Tox
Last Calib Update	9/17/2017 10:14 AM	Batch State	Processed

Analysis Info

Acq Time	2017-09-15 10:25	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	5.037	2548485	156905	16.2422	502.0355
MDMA	MDMA-D6	5.215	3462786	44974	76.9957	505.9357
MDEA	MDEA-D6	5.668	3372451	404256	8.3424	503.9060
Primidone	Tapentadol-D3	6.320	520480	656514	0.7928	619.2584
Tapentadol	Tapentadol-D3	6.583	6819368	656514	10.3872	504.5286
Meperidine	Meperidine-D4	6.699	2161578	204587	10.5656	514.9960
7-aminoflunitrazepam	7-aminoflunitrazepam-D7	6.797	2499357	282522	8.8466	477.8527
Normeperidine	Normeperidine-D4	6.805	1406231	96239	14.6119	502.5391
Pentazocine	Pentazocine-13C3	6.981	3554439	252779	14.0614	494.4766
Phencyclidine	Phencyclidine-D5	7.108	4337468	473474	9.1609	489.5756
Flurazepam	Flunitrazepam-D7	7.355	3614308	27587	131.0160	1266.6291
Zaleplon	Zaleplon-D4	7.382	2239971	172476	12.9871	498.9550
Phenytoin	Phenytoin-D10	7.429	217499	21195	10.2616	517.2485
Verapamil	Trimipramine-D3	7.455	1905166	103630	18.3843	733.0373
Propoxyphene	Propoxyphene-D11	7.538	2837681	65300	43.4560	507.4046
Amoxapine	Clomipramine-D3	7.540	153649	42328	3.6299	542.8454
Flunitrazepam	Flunitrazepam-D7	7.561	1433124	27587	51.9497	507.7427
Imipramine	Imipramine-D3	7.570	1173370	58652	20.0055	512.2628
Desipramine	Desipramine-D3	7.591	694783	67483	10.2957	505.3906
Trimipramine	Trimipramine-D3	7.627	986021	103630	9.5148	476.2630
Clomipramine	Clomipramine-D3	7.701	377355	42328	8.9149	493.0508
Norpropoxyphene	Norpropoxyphene-D5	7.949	537291	32301	16.6338	507.0509

ISP FORENSICS - Cd'A Instrument # 62340

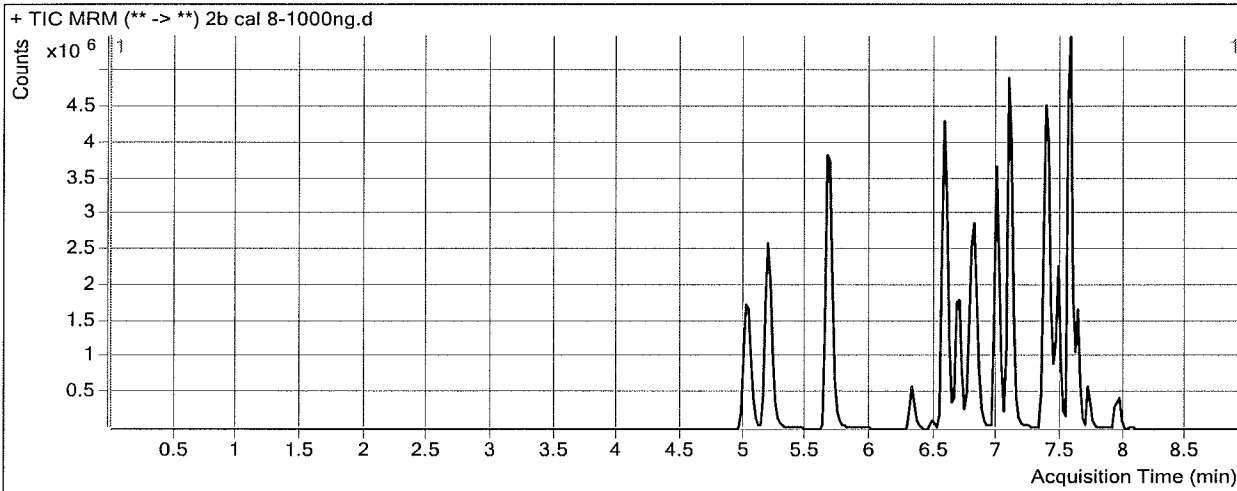
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p2b.batch.bin		
Analysis Time	9/17/2017 10:14 AM	Analyst Name	ISP Tox
Report Time	9/17/2017 10:18 AM	Reporter Name	ISP Tox
Last Calib Update	9/17/2017 10:14 AM	Batch State	Processed

Analysis Info

Acq Time	2017-09-15 10:50	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	5.037	4451209	139523	31.9029	986.3461
MDMA	MDMA-D6	5.195	5975154	39666	150.6361	989.5013
MDEA	MDEA-D6	5.668	5694642	346265	16.4459	992.9215
Primidone	Tapentadol-D3	6.320	994841	494766	2.0107	1567.1450
Tapentadol	Tapentadol-D3	6.583	10219320	494766	20.6549	1002.7480
Meperidine	Meperidine-D4	6.699	3659005	180521	20.2692	987.2613
7-aminoflunitrazepam	7-aminoflunitrazepam-D7	6.797	3672430	238758	15.3814	830.9745
Normeperidine	Normeperidine-D4	6.805	2009707	68348	29.4042	1010.3443
Pentazocine	Pentazocine-13C3	6.981	5706643	197060	28.9589	1017.5434
Phencyclidine	Phencyclidine-D5	7.088	8095615	430477	18.8061	1004.8699
Flurazepam	Flunitrazepam-D7	7.355	6512663	17901	363.8249	3520.0387
Zaleplon	Zaleplon-D4	7.382	3317365	124586	26.6271	1021.3171
Phenytoin	Phenytoin-D10	7.429	424373	21599	19.6482	989.1563
Verapamil	Trimipramine-D3	7.455	3117526	104733	29.7665	1185.3736
Propoxyphene	Propoxyphene-D11	7.538	5149774	56577	91.0229	1062.4510
Amoxapine	Clomipramine-D3	7.540	248548	37557	6.6179	987.4341
Flunitrazepam	Flunitrazepam-D7	7.561	1857174	17901	103.7496	1011.9088
Imipramine	Imipramine-D3	7.570	2191787	51445	42.6045	1089.8515
Desipramine	Desipramine-D3	7.571	1197125	58680	20.4007	1000.3541
Trimipramine	Trimipramine-D3	7.627	2114066	104733	20.1854	1010.3585
Clomipramine	Clomipramine-D3	7.701	694042	37557	18.4796	1020.7341
Norpropoxyphene	Norpropoxyphene-D5	7.949	978782	29470	33.2124	1009.9547