

















REVIEWED
By tsalazar at 10:49 am, Jan 24, 2019

REVIEWED
By Tamara Salazar at 10:59 am, Jul 22, 2019

1/17/2019

Worklist: 2889

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>	
C2018-2554	1	137497	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
C2018-2560	1	137498	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
C2018-2570	1	137499	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
C2018-2570	2	137500	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
C2018-2577	1	137501	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
C2018-2604	1	137502	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
C2018-2605	1	137503	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
C2018-2609	1	137504	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
C2018-2612	2	137505	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
C2019-0004	1	137506	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
C2019-0007	1	137507	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
C2019-0054	1	137508	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
C2019-0064	2	137509	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
C2019-0080	1	137510	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
C2019-0087	1	137511	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
C2019-0097	1	137512	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	



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

Extraction Date: 1/15/19

Analyst: Anne Nord

Plate lot#: 0530533

Plate Expiration: May 21 2019

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

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

Blank Blood Lot: amn12518

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

LCMS-QQQ ID: 62340

Pre-Analytic:

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

Analytic:

- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. Pipette **250µL blood (calibrated pipette) Pipette ID: 1926134** 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: 2019 Data\011519 mdq Batch Name: mdqp1a, mdqp1b
- 2. Make necessary changes to integration limits
- 3. Integration linear and R² values ≥0.98 for each analyte.
- 4. For unknown samples and controls: response ratio within 20% of average of controls and standards, RT within +/- 5% (tramadol RT +/-2%), S/N for primary transition >10 and secondary transitions >5.
- 5. Did all QCs pass for each analyte? Yes, see comments Add Control data to QC tracking spreadsheet.
- 6. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports.

COMMENTS:

i0-A

Curves limited: amphetamine 5-500, Codeine 10-1000, lorazepam 5-250, norhydrocodone 25-1000, phentermine 50-1000

★ Trazodone 5-500, benzoylecgonine 10-250, buprenorphine 2.5-100, dihydrocodeine 10-1000, mitragynine 10-1000,

norfentanyl 2.5-100, Oxazepam 10-500, Scutellaria 5-500

Alpha-hydroxyalprazolam not evaluated, 10 ng control lorazepam not evaluated peaks cut off, norbuprenorphine 2.5 calibrator dropped from curve peaks cut off. Diphenhydramine evaluated qualitatively, external control out of quantitative range. Trazodone, evaluated qualitatively 1000 qc outside accuracy range. ★

6-monoacetylmorphine not evaluated, values a factor of 10 high. 7/20/19 ★



Toxicology AM method 28 panel 1 external prep information
 working solution 10000 ng/ml in meoh Lorazepam, alprazolam, diphenhydramine, methadone, sertraline
 Stock solution 1mg/ml 100 ul each in 9500 ul meOH
 Ppd 3/19/18 Exp: 3/19/19 lot 31919 by AMN

Drug	lot	expiration
alprazolam	fe07161509	7/1/2020
diphenhydramine	fn09161502	9/1/2020
Lorazepam	fe04231401	5/1/2019
methadone	fe06221502	7/1/2020
sertraline	fn01081501	3/1/2020

AM 28 control 50 ul working solution lot (31919) in 9950 ul blood lot (17J20718)
 ppd 3/19/18 Exp 9/19/18 by AMN Concentration 50 ng/ml each lot 91918
 ppd 10/10/18 Exp 3/19/19 by AMN Concentration 50 ng/ml each lot 101018

ISP FORENSICS - Cd'A Instrument # 62340

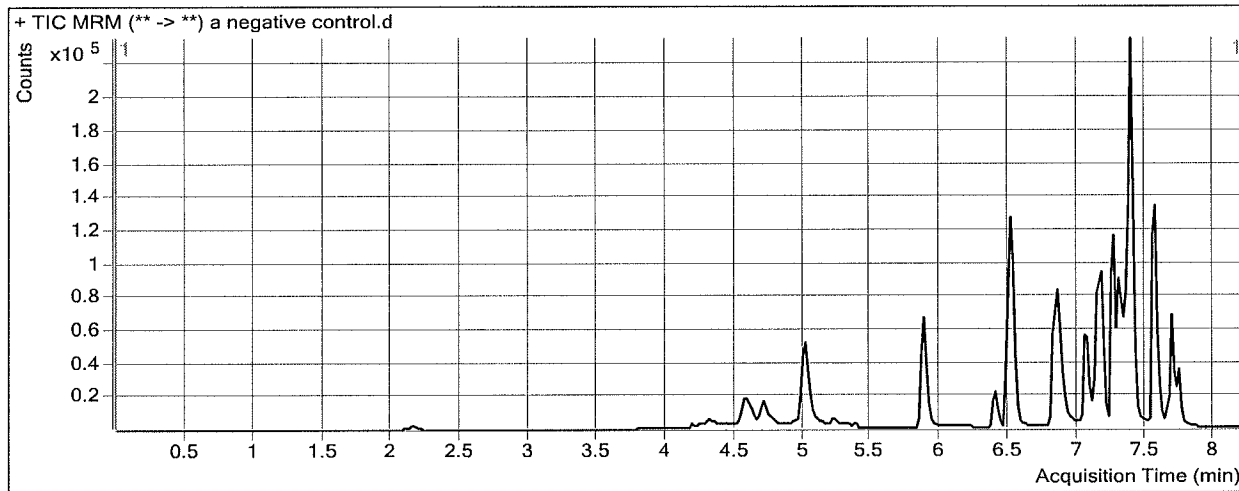
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2019 Data\011519 mdq\QuantResults\mdqp1a.batch.bin
Analysis Time 1/16/2019 9:12 AM **Analyst Name** ISP Tox
Report Time 1/16/2019 10:38 AM **Reporter Name** ISP Tox
Last Calib Update 1/16/2019 9:12 AM **Batch State** Processed

Analysis Info

Acq Time 2019-01-15 18:48 **Data File** a negative control.d
Sample Type Sample **Sample Name** a negative control
Dilution 1 **Acq Method** a1 mdq 618.m
Position P2-E2 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1, negative

Sample Chromatogram



ISP FORENSICS - Cd'A Instrument # 62340

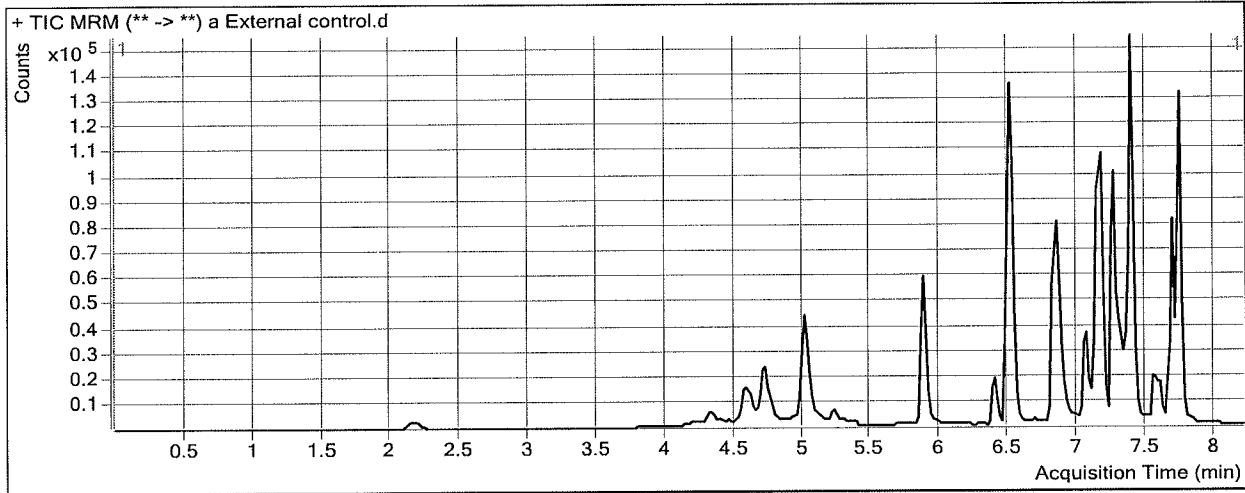
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2019 Data\011519 mdq\QuantResults\mdqp1a.batch.bin
Analysis Time 1/16/2019 9:12 AM **Analyst Name** ISP Tox
Report Time 1/16/2019 10:38 AM **Reporter Name** ISP Tox
Last Calib Update 1/16/2019 9:12 AM **Batch State** Processed

Analysis Info

Acq Time 2019-01-15 19:13 **Data File** a External control.d
Sample Type Sample **Sample Name** a External control
Dilution 1 **Acq Method** a1 mdq 618.m
Position P2-F2 **Sample Info**
Inj Vol -1 **Comment** AM 28; external control p1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Diphenhydramine	Diphenhydramine-D3	7.392	127253	162942	0.7810	36.4833
Lorazepam	Clonazepam-D4	7.725	29941	20313	1.4740	47.6822
Alprazolam	Alprazolam-D5	7.749	91434	90945	1.0054	40.0011

ISP FORENSICS - Cd'A Instrument # 62340

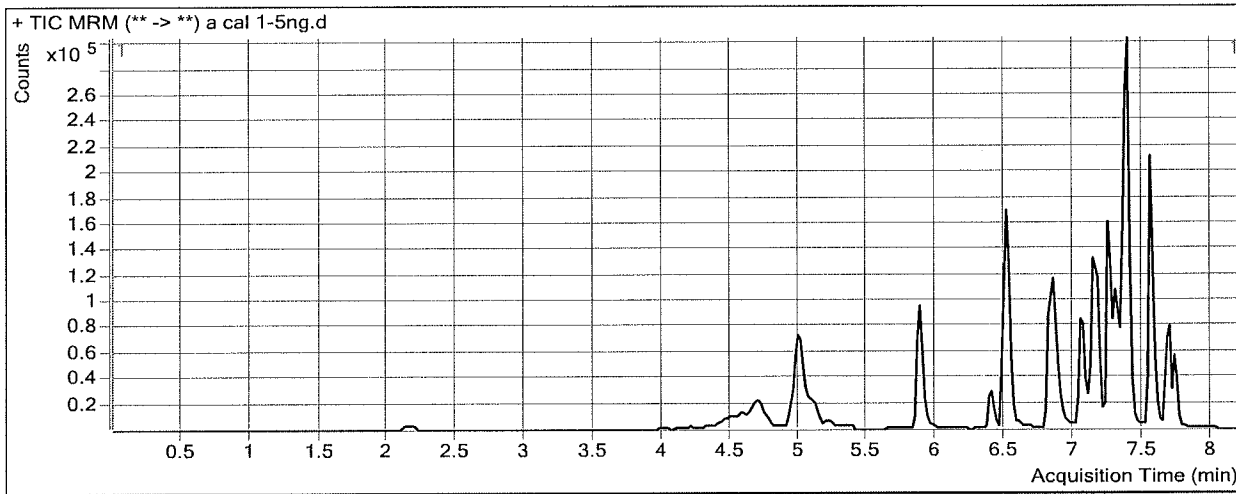
Multi-Drug Confirmatory Analysis Report

Batch Data Path I:\CDA\Instrument 1 LCMSMS\2019 data\011519 mdq\QuantResults\mdqp1a.batch.bin
Analysis Time 1/22/2019 2:29 PM **Analyst Name** ISP Tox
Report Time 1/22/2019 3:01 PM **Reporter Name** ISP Tox
Last Calib Update 1/22/2019 2:29 PM **Batch State** Processed

Analysis Info

Acq Time 2019-01-15 15:12 **Data File** a cal 1-5ng.d
Sample Type Calibration **Sample Name** a cal 1-5ng
Dilution 1 **Acq Method** a1 mdq 618.m
Position P2-A1 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.428	781	1203	0.6490	6.0332
Hydromorphone	Hydromorphone-D6	2.169	2451	16820	0.1457	5.1166
Codeine	Codeine-D6	4.413	540	3065	0.1761	8.0721
Oxycodone	Oxycodone-D6	4.730	7540	71798	0.1050	5.0856
Amphetamine	Amphetamine-D11	4.724	47816	69227	0.6907	7.4651
Hydrocodone	Hydrocodone-D6	5.032	4716	54199	0.0870	5.0057
Norhydrocodone	Norhydrocodone-D3	5.077	423	21822	0.0194	12.3141
Methamphetamine	Methamphetamine-D11	5.102	56309	297768	0.1891	5.0715
6-MAM	6-MAM-D6	5.229	215	13525	0.0159	5.3226
Phentermine	Phentermine-D5	5.926	10588	323284	0.0328	0.0000
Dextrophan	Dextrophan-D3	6.403	5236	78798	0.0664	5.1577
7-aminoclonazepam	7-Aminoclonazepam-D4	6.514	7872	62991	0.1250	4.9119
Tramadol	Tramadol-13C-D3	6.523	45570	408812	0.1115	5.0686
Metoprolol	Oxycodone-D6	6.622	5824	71798	0.0811	5.0466
Doxylamine	Doxylamine-D5	6.865	44149	431273	0.1024	5.2417
Bupropion	Bupropion-D9	7.072	27631	238498	0.1159	4.9629
Zolpidem	Zolpidem-D6	7.163	25687	316078	0.0813	4.8046
Meprobamate	Meprobamate-D7	7.154	7081	78263	0.0905	5.0214
Trazodone	Trazodone-D6	7.336	27512	247495	0.1112	4.9611
Venlafaxine	Venlafaxine-D6	7.246	43438	387915	0.1120	4.6089
Citalopram	Citalopram-D6	7.338	32564	275619	0.1182	5.2151
Dextromethorphan	Dextromethorphan-D3	7.369	7360	73988	0.0995	6.0633
Diphenhydramine	Diphenhydramine-D3	7.392	58895	553180	0.1065	5.0498

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

Placal

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Promethazine	Promethazine-D3	7.548	41627	474328	0.0878	5.0229
Clonazepam	Clonazepam-D4	7.604	8159	21023	0.3881	5.3786
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.661	1812	16596	0.1092	5.2696
Carisoprodol	Carisoprodol-D7	7.695	12594	166383	0.0757	4.2784
Lorazepam	Clonazepam-D4	7.725	4217	21023	0.2006	4.8605
Alprazolam	Alprazolam-D5	7.749	11703	95161	0.1230	5.6031



ISP FORENSICS - Cd'A Instrument # 62340

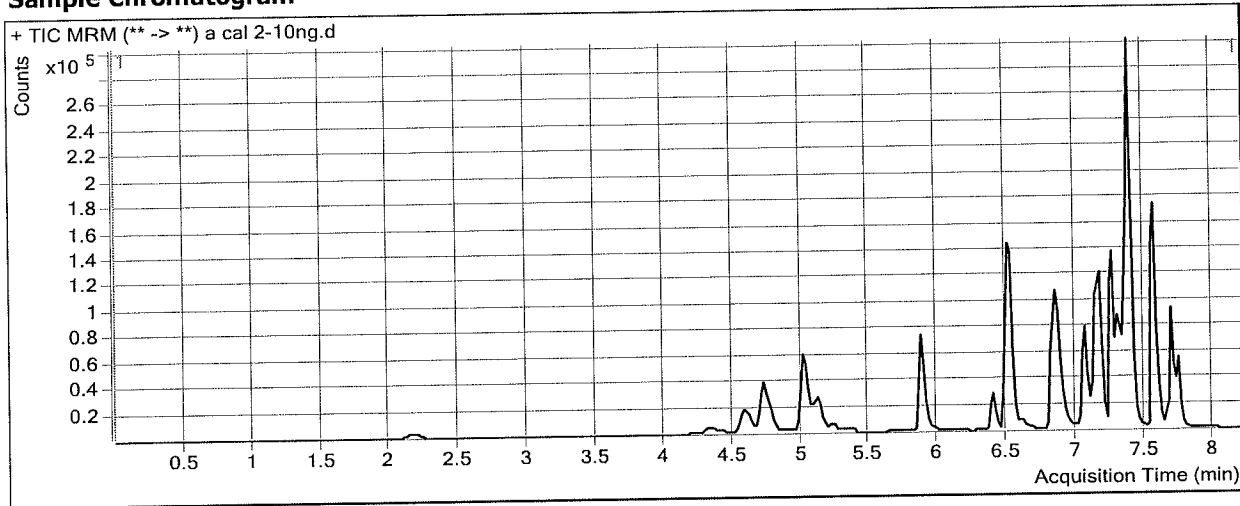
Multi-Drug Confirmatory Analysis Report

Batch Data Path I:\CDA\Instrument 1 LCMSMS\2019 data\011519 mdq\QuantResults\mdqp1a.batch.bin
Analysis Time 1/22/2019 2:29 PM **Analyst Name** ISP Tox
Report Time 1/22/2019 3:01 PM **Reporter Name** ISP Tox
Last Calib Update 1/22/2019 2:29 PM **Batch State** Processed

Analysis Info

Acq Time 2019-01-15 15:37 **Data File** a cal 2-10ng.d
Sample Type Calibration **Sample Name** a cal 2-10ng
Dilution 1 **Acq Method** a1 mdq 618.m
Position P2-B1 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.428	1149	1220	0.9421	9.1544
Hydromorphone	Hydromorphone-D6	2.189	4390	15334	0.2863	9.6521
Codeine	Codeine-D6	4.393	2265	8515	0.2660	11.2061
Oxycodone	Oxycodone-D6	4.770	12002	57417	0.2090	10.0303
Amphetamine	Amphetamine-D11	4.744	64783	73346	0.8833	9.6951
Hydrocodone	Hydrocodone-D6	5.052	8122	45587	0.1782	10.0761
Norhydrocodone	Norhydrocodone-D3	5.097	635	18567	0.0342	15.5007
Methamphetamine	Methamphetamine-D11	5.122	59558	182828	0.3258	9.5947
6-MAM	6-MAM-D6	5.249	375	11785	0.0318	10.6103
Phentermine	Phentermine-D5	5.926	14687	237535	0.0618	4.7642
Dextroprphan	Dextroprphan-D3	6.403	8166	63498	0.1286	9.4626
7-aminoclonazepam	7-Aminoclonazepam-D4	6.514	12886	51751	0.2490	10.0211
Tramadol	Tramadol-13C-D3	6.523	71184	350837	0.2029	9.3779
Metoprolol	Oxycodone-D6	6.622	8956	57417	0.1560	9.5193
Doxylamine	Doxylamine-D5	6.865	66556	355411	0.1873	9.2506
Bupropion	Bupropion-D9	7.072	41905	175050	0.2394	10.1165
Zolpidem	Zolpidem-D6	7.163	45407	261565	0.1736	9.6625
Meprobamate	Meprobamate-D7	7.154	11687	66250	0.1764	9.4640
Trazodone	Trazodone-D6	7.336	40404	194468	0.2078	9.6647
Venlafaxine	Venlafaxine-D6	7.267	68200	317759	0.2146	9.3785
Citalopram	Citalopram-D6	7.358	47473	235661	0.2014	9.0846
Dextromethorphan	Dextromethorphan-D3	7.389	12028	58281	0.2064	10.5905
Diphenhydramine	Diphenhydramine-D3	7.392	91695	454157	0.2019	9.4974

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

PIA cal 2

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Promethazine	Promethazine-D3	7.568	68984	407357	0.1693	9.7600
Clonazepam	Clonazepam-D4	7.604	11780	19086	0.6172	8.6438
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.682	2842	14628	0.1943	8.9013
Carisoprodol	Carisoprodol-D7	7.695	21961	129644	0.1694	9.8897
Lorazepam	Clonazepam-D4	7.725	6883	19086	0.3607	10.2435
Alprazolam	Alprazolam-D5	7.749	18290	78297	0.2336	9.9153



ISP FORENSICS - Cd'A Instrument # 62340

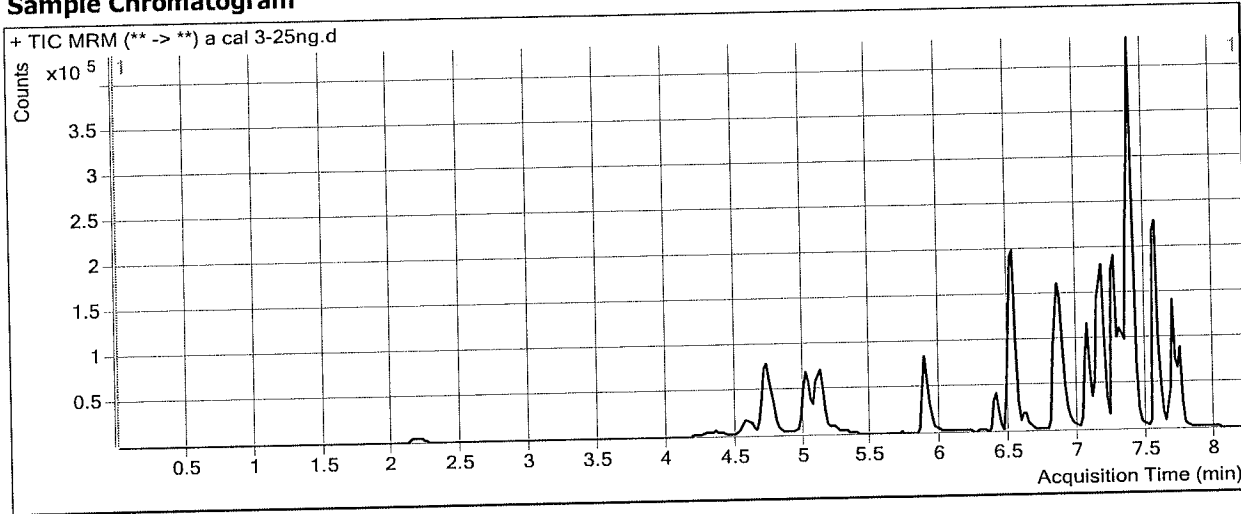
Multi-Drug Confirmatory Analysis Report

Batch Data Path I:\CDA\Instrument 1 LCMSMS\2019 data\011519 mdq\QuantResults\mdqp1a.batch.bin
Analysis Time 1/22/2019 2:29 PM **Analyst Name** ISP Tox
Report Time 1/22/2019 3:01 PM **Reporter Name** ISP Tox
Last Calib Update 1/22/2019 2:29 PM **Batch State** Processed

Analysis Info

Acq Time 2019-01-15 16:02 **Data File** a cal 3-25ng.d
Sample Type Calibration **Sample Name** a cal 3-25ng
Dilution 1 **Acq Method** a1 mdq 618.m
Position P2-C1 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.428	3047	1278	2.3841	24.5128
Hydromorphone	Hydromorphone-D6	2.209	12169	16356	0.7440	24.4148
Codeine	Codeine-D6	4.393	6279	10108	0.6212	23.5800
Oxycodone	Oxycodone-D6	4.770	31400	61766	0.5084	24.2606
Amphetamine	Amphetamine-D11	4.744	178670	80389	2.2226	25.2064
Hydrocodone	Hydrocodone-D6	5.052	21691	50766	0.4273	23.9324
Norhydrocodone	Norhydrocodone-D3	5.077	1671	20167	0.0828	25.9873
Methamphetamine	Methamphetamine-D11	5.122	170172	212428	0.8011	25.3269
6-MAM	6-MAM-D6	5.249	1003	12493	0.0803	26.6848
Phentermine	Phentermine-D5	5.926	42460	250007	0.1698	22.7422
Dextroprorphan	Dextroprorphan-D3	6.403	24148	69505	0.3474	24.6158
7-aminoclonazepam	7-Aminoclonazepam-D4	6.514	36628	57744	0.6343	25.8959
Tramadol	Tramadol-13C-D3	6.523	209600	373840	0.5607	26.2407
Metoprolol	Oxycodone-D6	6.622	26114	61766	0.4228	25.4590
Doxylamine	Doxylamine-D5	6.865	188594	391132	0.4822	23.1769
Bupropion	Bupropion-D9	7.072	110837	186696	0.5937	24.8964
Zolpidem	Zolpidem-D6	7.163	130574	290834	0.4490	24.1505
Meprobamate	Meprobamate-D7	7.154	37220	72571	0.5129	26.8613
Trazodone	Trazodone-D6	7.336	125896	228328	0.5514	26.3955
Venlafaxine	Venlafaxine-D6	7.267	195729	347089	0.5639	25.6079
Citalopram	Citalopram-D6	7.358	133978	249585	0.5368	24.6636
Dextromethorphan	Dextromethorphan-D3	7.389	31622	65266	0.4845	22.3683
Diphenhydramine	Diphenhydramine-D3	7.392	242834	444906	0.5458	25.5243



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

Plu cal 3

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Promethazine	Promethazine-D3	7.568	193328	436267	0.4431	25.6575
Clonazepam	Clonazepam-D4	7.604	31644	19191	1.6489	23.3465
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.682	8153	14858	0.5488	24.0314
Carisoprodol	Carisoprodol-D7	7.695	62773	136725	0.4591	27.2397
Lorazepam	Clonazepam-D4	7.725	16136	19191	0.8408	26.3892
Alprazolam	Alprazolam-D5	7.749	49763	86048	0.5783	23.3534



ISP FORENSICS - Cd'A Instrument # 62340

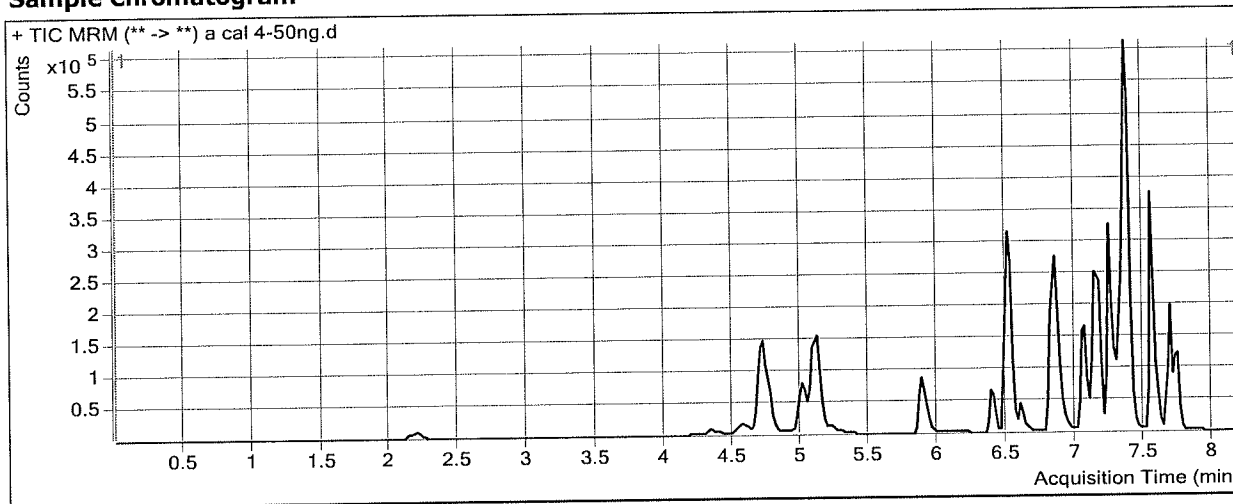
Multi-Drug Confirmatory Analysis Report

Batch Data Path I:\CDA\Instrument 1 LCMSMS\2019 data\011519 mdq\QuantResults\mdqp1a.batch.bin
Analysis Time 1/22/2019 2:29 PM **Analyst Name** ISP Tox
Report Time 1/22/2019 3:01 PM **Reporter Name** ISP Tox
Last Calib Update 1/22/2019 2:29 PM **Batch State** Processed

Analysis Info

Acq Time 2019-01-15 16:28 **Data File** a cal 4-50ng.d
Sample Type Calibration **Sample Name** a cal 4-50ng
Dilution 1 **Acq Method** a1 mdq 618.m
Position P2-D1 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.428	6093	1407	4.3311	45.2485
Hydromorphone	Hydromorphone-D6	2.209	27090	17956	1.5087	49.0832
Codeine	Codeine-D6	4.373	13084	9458	1.3833	50.1309
Oxycodone	Oxycodone-D6	4.770	65565	64259	1.0203	48.5982
Amphetamine	Amphetamine-D11	4.744	387756	80049	4.8440	55.5665
Hydrocodone	Hydrocodone-D6	5.052	46998	52228	0.8999	50.2177
Norhydrocodone	Norhydrocodone-D3	5.077	3821	20643	0.1851	48.0267
Methamphetamine	Methamphetamine-D11	5.122	386405	245462	1.5742	50.9154
6-MAM	6-MAM-D6	5.249	1811	13705	0.1322	43.8871
Phentermine	Phentermine-D5	5.926	90939	283596	0.3207	47.8478
Dextroprphan	Dextroprphan-D3	6.385	52275	74934	0.6976	48.8649
7-aminoclonazepam	7-Aminoclonazepam-D4	6.494	77139	61286	1.2587	51.6175
Tramadol	Tramadol-13C-D3	6.523	439981	391872	1.1228	52.7344
Metoprolol	Oxycodone-D6	6.602	56856	64259	0.8848	53.0585
Doxylamine	Doxylamine-D5	6.843	431742	409693	1.0538	50.1711
Bupropion	Bupropion-D9	7.072	241038	198677	1.2132	50.7420
Zolpidem	Zolpidem-D6	7.163	290491	301193	0.9645	51.2731
Meprobamate	Meprobamate-D7	7.134	68265	67350	1.0136	52.7486
Trazodone	Trazodone-D6	7.316	270468	237459	1.1390	55.0070
Venlafaxine	Venlafaxine-D6	7.246	389369	360060	1.0814	49.6526
Citalopram	Citalopram-D6	7.338	264693	240185	1.1020	50.9216
Dextromethorphan	Dextromethorphan-D3	7.369	69593	66669	1.0439	46.0561
Diphenhydramine	Diphenhydramine-D3	7.392	549199	501450	1.0952	51.1284

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

Placal 4

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Promethazine	Promethazine-D3	7.548	388190	449238	0.8641	50.1001
Clonazepam	Clonazepam-D4	7.604	65566	18394	3.5646	50.6467
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.661	17382	14211	1.2231	52.8151
Carisoprodol	Carisoprodol-D7	7.695	124302	146686	0.8474	50.4919
Lorazepam	Clonazepam-D4	7.725	29257	18394	1.5906	51.6041
Alprazolam	Alprazolam-D5	7.749	106111	84049	1.2625	50.0241



ISP FORENSICS - Cd'A Instrument # 62340

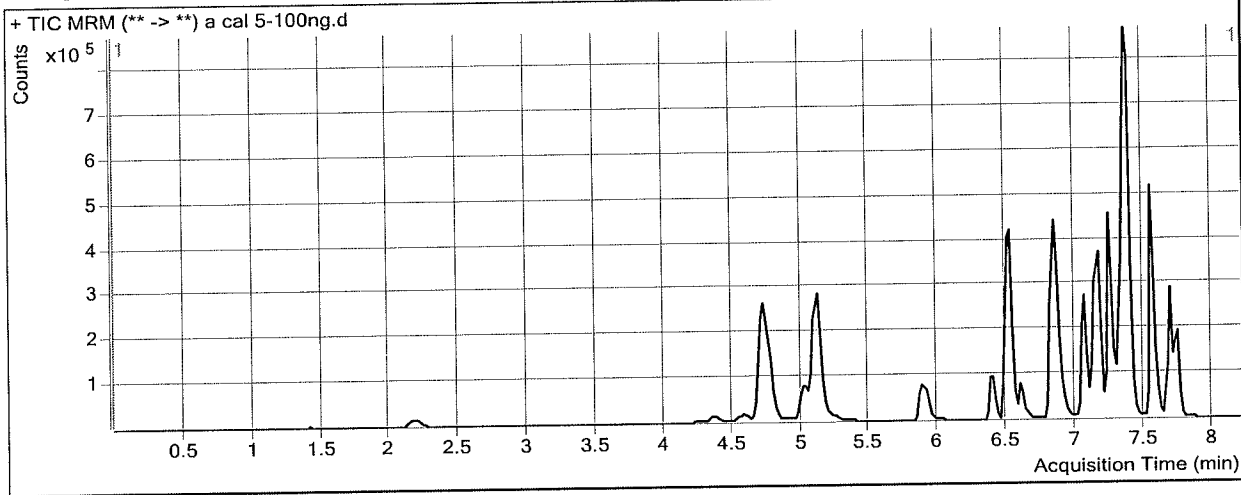
Multi-Drug Confirmatory Analysis Report

Batch Data Path I:\CDA\Instrument 1 LCMSMS\2019 data\011519 mdq\QuantResults\mdqp1a.batch.bin
Analysis Time 1/22/2019 2:29 PM **Analyst Name** ISP Tox
Report Time 1/22/2019 3:01 PM **Reporter Name** ISP Tox
Last Calib Update 1/22/2019 2:29 PM **Batch State** Processed

Analysis Info

Acq Time 2019-01-15 16:53 **Data File** a cal 5-100ng.d
Sample Type Calibration **Sample Name** a cal 5-100ng
Dilution 1 **Acq Method** a1 mdq 618.m
Position P2-E1 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.428	10647	1205	8.8378	93.2464
Hydromorphone	Hydromorphone-D6	2.209	48297	15685	3.0793	99.7414
Codeine	Codeine-D6	4.373	24372	9449	2.5793	91.7964
Oxycodone	Oxycodone-D6	4.770	125730	57608	2.1825	103.8478
Amphetamine	Amphetamine-D11	4.744	718434	76417	9.4015	108.3490
Hydrocodone	Hydrocodone-D6	5.052	88590	46324	1.9124	106.5357
Norhydrocodone	Norhydrocodone-D3	5.077	7142	18285	0.3906	92.3130
Methamphetamine	Methamphetamine-D11	5.122	699874	220826	3.1693	103.7117
6-MAM	6-MAM-D6	5.249	3607	12468	0.2893	95.9817
Phentermine	Phentermine-D5	5.926	173096	252646	0.6851	108.5144
Dextrorphan	Dextrorphan-D3	6.385	97774	67950	1.4389	100.1981
7-aminoclonazepam	7-Aminoclonazepam-D4	6.514	143936	51963	2.7700	113.8801
Tramadol	Tramadol-13C-D3	6.523	805689	355167	2.2685	106.7354
Metoprolol	Oxycodone-D6	6.602	105291	57608	1.8277	109.3891
Doxylamine	Doxylamine-D5	6.843	804108	358876	2.2406	106.2147
Bupropion	Bupropion-D9	7.072	451757	181656	2.4869	103.8762
Zolpidem	Zolpidem-D6	7.163	528760	264210	2.0013	105.8236
Meprobamate	Meprobamate-D7	7.154	121036	58724	2.0611	106.9086
Trazodone	Trazodone-D6	7.336	492244	219211	2.2455	108.8836
Venlafaxine	Venlafaxine-D6	7.246	755856	319978	2.3622	109.1646
Citalopram	Citalopram-D6	7.338	507596	218984	2.3180	107.4073
Dextromethorphan	Dextromethorphan-D3	7.369	126647	55377	2.2870	98.6998
Diphenhydramine	Diphenhydramine-D3	7.392	983860	449357	2.1895	102.1237

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

Placals

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Promethazine	Promethazine-D3	7.548	735491	406654	1.8086	104.9428
Clonazepam	Clonazepam-D4	7.604	86444	11597	7.4543	106.0798
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.661	27595	11111	2.4836	106.6137
Carisoprodol	Carisoprodol-D7	7.695	199463	106648	1.8703	111.7468
Lorazepam	Clonazepam-D4	7.725	38673	11597	3.3349	110.2615
Alprazolam	Alprazolam-D5	7.749	185097	74467	2.4856	97.7041



ISP FORENSICS - Cd'A Instrument # 62340

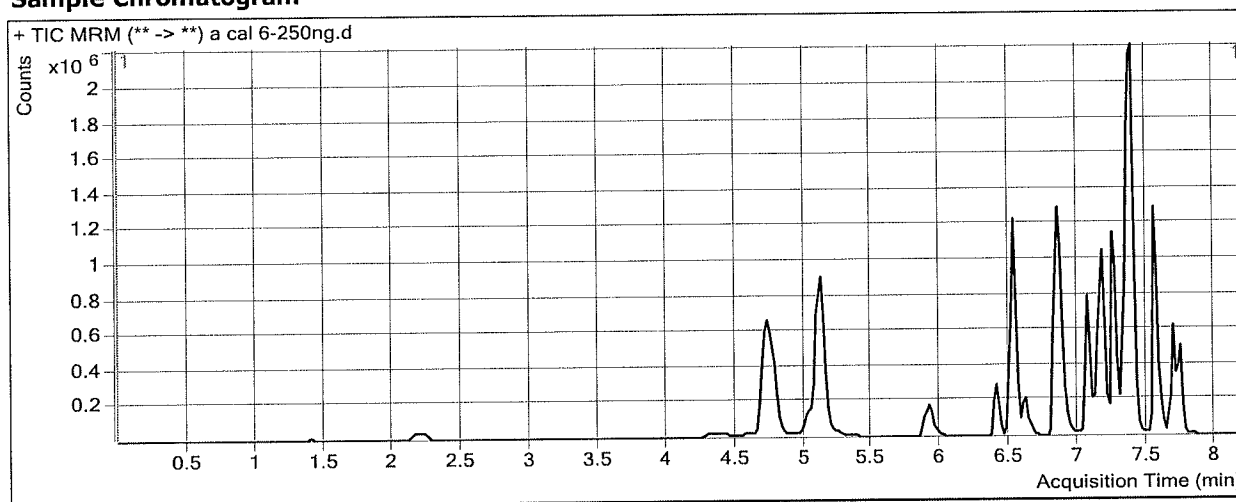
Multi-Drug Confirmatory Analysis Report

Batch Data Path I:\CDA\Instrument 1 LCMSMS\2019 data\011519 mdq\QuantResults\mdqp1a.batch.bin
Analysis Time 1/22/2019 2:29 PM **Analyst Name** ISP Tox
Report Time 1/22/2019 3:01 PM **Reporter Name** ISP Tox
Last Calib Update 1/22/2019 2:29 PM **Batch State** Processed

Analysis Info

Acq Time 2019-01-15 17:19 **Data File** a cal 6-250ng.d
Sample Type Calibration **Sample Name** a cal 6-250ng
Dilution 1 **Acq Method** a1 mdq 618.m
Position P2-F1 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.428	32761	1391	23.5477	249.9108
Hydromorphone	Hydromorphone-D6	2.209	152737	19513	7.8273	252.8939
Codeine	Codeine-D6	4.333	40406	5611	7.2009	252.8034
Oxycodone	Oxycodone-D6	4.770	380241	72700	5.2303	248.7370
Amphetamine	Amphetamine-D11	4.744	2211157	102105	21.6558	250.2732
Hydrocodone	Hydrocodone-D6	5.052	274719	61039	4.5007	250.5027
Norhydrocodone	Norhydrocodone-D3	5.097	23411	21957	1.0662	237.9077
Methamphetamine	Methamphetamine-D11	5.122	2339005	309725	7.5519	248.7648
6-MAM	6-MAM-D6	5.249	11467	15912	0.7207	239.0087
Phentermine	Phentermine-D5	5.926	525320	332660	1.5791	257.3253
Dextrorphan	Dextrorphan-D3	6.403	324702	89570	3.6251	251.5890
7-aminoclonazepam	7-Aminoclonazepam-D4	6.514	383993	61848	6.2086	255.5477
Tramadol	Tramadol-13C-D3	6.523	2544937	490812	5.1852	244.2078
Metoprolol	Oxycodone-D6	6.622	322642	72700	4.4380	265.3272
Doxylamine	Doxylamine-D5	6.843	2641437	496179	5.3236	251.7970
Bupropion	Bupropion-D9	7.072	1362209	238353	5.7151	238.5481
Zolpidem	Zolpidem-D6	7.163	1659423	337104	4.9226	259.5241
Meprobamate	Meprobamate-D7	7.154	317523	67558	4.7000	243.3474
Trazodone	Trazodone-D6	7.336	1492951	285592	5.2276	254.0792
Venlafaxine	Venlafaxine-D6	7.246	2358215	426049	5.5351	256.5905
Citalopram	Citalopram-D6	7.338	1460320	270330	5.4020	250.6754
Dextromethorphan	Dextromethorphan-D3	7.369	404285	73971	5.4654	233.3000
Diphenhydramine	Diphenhydramine-D3	7.392	3083245	568627	5.4223	252.7790

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

pla calt

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Promethazine	Promethazine-D3	7.548	2263812	537682	4.2103	244.3915
Clonazepam	Clonazepam-D4	7.604	258639	14039	18.4227	262.3910
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.661	75970	13047	5.8227	249.1295
Carisoprodol	Carisoprodol-D7	7.695	514869	131973	3.9013	233.3736
Lorazepam	Clonazepam-D4	7.725	85670	14039	6.1022	203.3199
Alprazolam	Alprazolam-D5	7.749	532080	86211	6.1718	241.3997



ISP FORENSICS - Cd'A Instrument # 62340

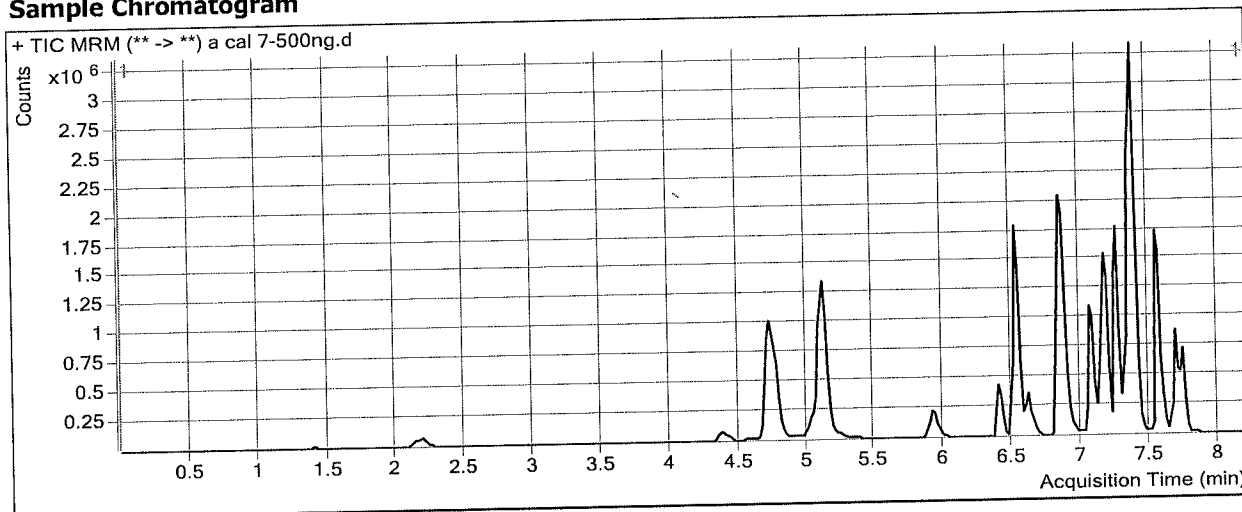
Multi-Drug Confirmatory Analysis Report

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Analysis Time 1/22/2019 2:29 PM **Analyst Name** ISP Tox
Report Time 1/22/2019 3:01 PM **Reporter Name** ISP Tox
Last Calib Update 1/22/2019 2:29 PM **Batch State** Processed

Analysis Info

Acq Time 2019-01-15 17:44 **Data File** a cal 7-500ng.d
Sample Type Calibration **Sample Name** a cal 7-500ng
Dilution 1 **Acq Method** a1 mdq 618.m
Position P2-G1 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.428	53551	1038	51.5771	548.4315
Hydromorphone	Hydromorphone-D6	2.189	265342	16269	16.3098	526.5066
Codeine	Codeine-D6	4.393	127989	8972	14.2652	498.9108
Oxycodone	Oxycodone-D6	4.770	663357	62508	10.6124	504.5948
Amphetamine	Amphetamine-D11	4.744	3027377	84753	35.7202	413.1603
Hydrocodone	Hydrocodone-D6	5.052	464473	51224	9.0676	504.5179
Norhydrocodone	Norhydrocodone-D3	5.097	41732	17457	2.3905	523.2989
Methamphetamine	Methamphetamine-D11	5.122	3371650	224938	14.9892	494.9270
6-MAM	6-MAM-D6	5.249	20559	13774	1.4926	494.9629
Phentermine	Phentermine-D5	5.926	727748	248558	2.9279	481.8249
Dextrorphan	Dextrorphan-D3	6.403	532757	71155	7.4873	519.0374
7-aminoclonazepam	7-Aminoclonazepam-D4	6.514	597376	50695	11.7838	485.2351
Tramadol	Tramadol-13C-D3	6.523	4209006	432669	9.7280	458.3266
Metoprolol	Oxycodone-D6	6.622	520943	62508	8.3340	498.0742
Doxylamine	Doxylamine-D5	6.843	4346500	411233	10.5694	499.5182
Bupropion	Bupropion-D9	7.072	2261841	190523	11.8717	495.3869
Zolpidem	Zolpidem-D6	7.163	2825799	297508	9.4982	500.2650
Meprobamate	Meprobamate-D7	7.154	484796	52001	9.3228	482.3568
Trazodone	Trazodone-D6	7.336	2288649	236602	9.6730	470.5259
Venlafaxine	Venlafaxine-D6	7.267	4071091	363365	11.2039	519.9871
Citalopram	Citalopram-D6	7.358	2184210	202730	10.7740	500.2321
Dextromethorphan	Dextromethorphan-D3	7.389	640615	58033	11.0388	469.3212
Diphenhydramine	Diphenhydramine-D3	7.392	4438946	439744	10.0944	470.5115

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

Plca cal 7

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Promethazine	Promethazine-D3	7.548	3725400	423038	8.8063	511.2480
Clonazepam	Clonazepam-D4	7.604	350078	10016	34.9534	497.9721
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.682	111649	9497	11.7568	502.4071
Carisoprodol	Carisoprodol-D7	7.695	860598	102612	8.3869	501.9900
Lorazepam	Clonazepam-D4	7.725	102241	10016	10.2082	341.3972
Alprazolam	Alprazolam-D5	7.749	819588	64185	12.7692	498.5820



ISP FORENSICS - Cd'A Instrument # 62340

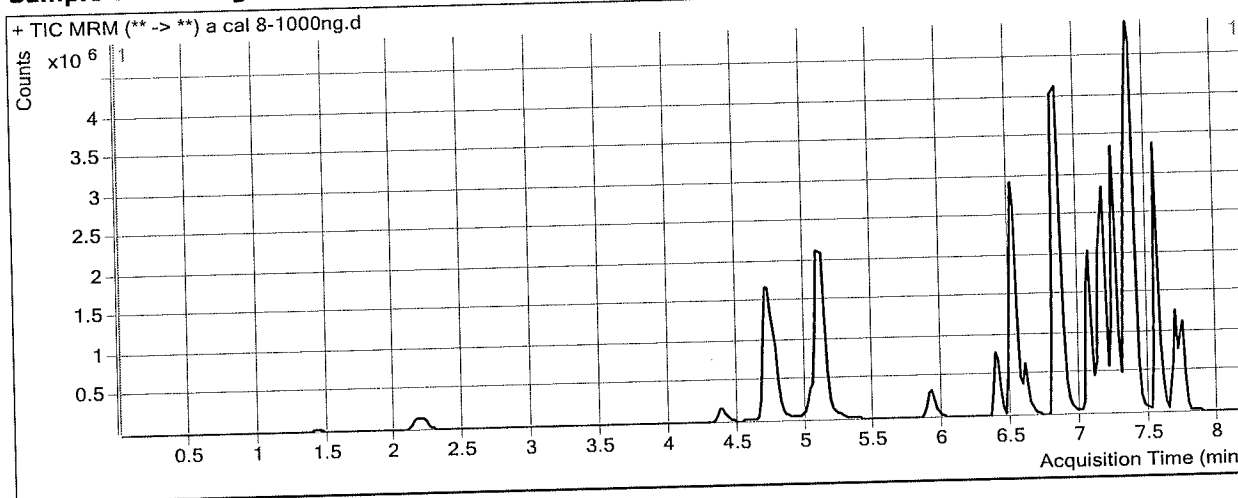
Multi-Drug Confirmatory Analysis Report

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Analysis Time 1/22/2019 2:29 PM **Analyst Name** ISP Tox
Report Time 1/22/2019 3:01 PM **Reporter Name** ISP Tox
Last Calib Update 1/22/2019 2:29 PM **Batch State** Processed

Analysis Info

Acq Time 2019-01-15 18:10 **Data File** a cal 8-1000ng.d
Sample Type Calibration **Sample Name** a cal 8-1000ng
Dilution 1 **Acq Method** a1 mdq 618.m
Position P2-H1 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.428	118270	1306	90.5462	963.4624
Hydromorphone	Hydromorphone-D6	2.189	558438	18180	30.7164	991.2066
Codeine	Codeine-D6	4.393	246511	8548	28.8372	1006.5725
Oxycodone	Oxycodone-D6	4.750	1429215	68302	20.9249	994.8457
Amphetamine	Amphetamine-D11	4.724	4446939	84289	52.7585	610.4908
Hydrocodone	Hydrocodone-D6	5.032	944788	55140	17.1343	953.2022
Norhydrocodone	Norhydrocodone-D3	5.077	81587	16425	4.9673	1078.6150
Methamphetamine	Methamphetamine-D11	5.122	5636854	191548	29.4280	972.8204
6-MAM	6-MAM-D6	5.249	46127	14943	3.0869	1023.5419
Phentermine	Phentermine-D5	5.926	1287407	220811	5.8304	964.9497
Dextropropion	Dextropropion-D3	6.385	1064267	72731	14.6330	1013.8602
7-aminoclonazepam	7-Aminoclonazepam-D4	6.494	895454	45204	19.8091	815.8638
Tramadol	Tramadol-13C-D3	6.502	7508327	359823	20.8668	983.3324
Metoprolol	Oxycodone-D6	6.602	923426	68302	13.5197	807.8690
Doxylamine	Doxylamine-D5	6.843	9685916	445222	21.7553	1027.7379
Bupropion	Bupropion-D9	7.072	4338209	180759	23.9999	1001.3426
Zolpidem	Zolpidem-D6	7.163	5621048	300562	18.7018	984.4967
Meprobamate	Meprobamate-D7	7.134	784663	44466	17.6463	912.7055
Trazodone	Trazodone-D6	7.316	4053400	235063	17.2439	839.1522
Venlafaxine	Venlafaxine-D6	7.246	7287328	350663	20.7816	965.0098
Citalopram	Citalopram-D6	7.338	3293800	158304	20.8067	966.3026
Dextromethorphan	Dextromethorphan-D3	7.369	1123127	45222	24.8359	1053.6008
Diphenhydramine	Diphenhydramine-D3	7.392	8297423	377877	21.9580	1023.3859

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

Pl a cal 8

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Promethazine	Promethazine-D3	7.548	6375747	393116	16.2185	941.6234
Clonazepam	Clonazepam-D4	7.604	458787	6493	70.6582	1006.8041
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.661	189668	8343	22.7339	970.9288
Carisoprodol	Carisoprodol-D7	7.695	1339531	80117	16.7196	1000.9899
Lorazepam	Clonazepam-D4	7.725	199927	6493	30.7909	1033.5521
Alprazolam	Alprazolam-D5	7.749	1403881	54045	25.9762	1013.4182



ISP FORENSICS - Cd'A Instrument # 62340

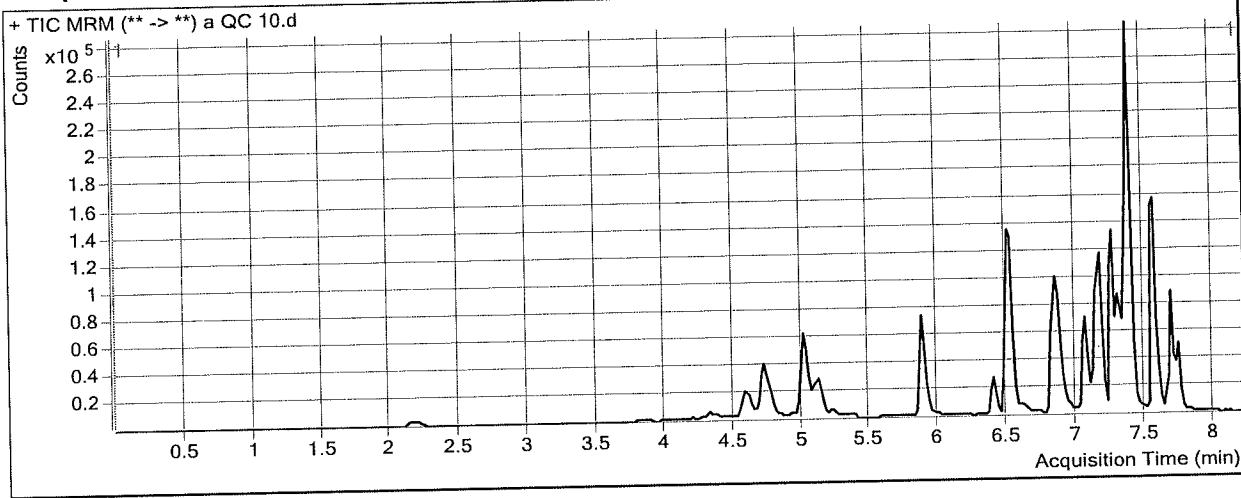
Multi-Drug Confirmatory Analysis Report

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Analysis Time 1/22/2019 2:29 PM **Analyst Name** ISP Tox
Report Time 1/22/2019 3:01 PM **Reporter Name** ISP Tox
Last Calib Update 1/22/2019 2:29 PM **Batch State** Processed

Analysis Info

Acq Time 2019-01-15 19:38 **Data File** a QC 10.d
Sample Type QC **Sample Name** a QC 10
Dilution 1 **Acq Method** a1 mdq 618.m
Position P2-A2 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.428	1152	1062	1.0853	10.6799
Hydromorphone	Hydromorphone-D6	2.189	4530	14909	0.3038	10.2169
Codeine	Codeine-D6	4.393	2065	7718	0.2676	11.2592
Oxycodone	Oxycodone-D6	4.770	10563	53153	0.1987	9.5403
Amphetamine	Amphetamine-D11	4.744	71827	74781	0.9605	10.5897
Hydrocodone	Hydrocodone-D6	5.052	8046	41450	0.1941	10.9630
Norhydrocodone	Norhydrocodone-D3	5.077	637	18087	0.0352	15.7192 * o. ☆
Methamphetamine	Methamphetamine-D11	5.122	60793	182846	0.3325	9.8170
6-MAM	6-MAM-D6	5.249	339	10441	0.0325	10.8289
Phentermine	Phentermine-D5	5.926	16649	235990	0.0706	6.2159 * ☆
Dextrorphan	Dextrorphan-D3	6.403	8481	58961	0.1438	10.5175
7-aminoclonazepam	7-Aminoclonazepam-D4	6.514	13039	48092	0.2711	10.9333
Tramadol	Tramadol-13C-D3	6.523	72477	326107	0.2223	10.2901
Metoprolol	Oxycodone-D6	6.622	9296	53153	0.1749	10.6487
Doxylamine	Doxylamine-D5	6.865	68947	330985	0.2083	10.2444
Bupropion	Bupropion-D9	7.072	39160	158586	0.2469	10.4313
Zolpidem	Zolpidem-D6	7.163	46297	237330	0.1951	10.7924
Meprobamate	Meprobamate-D7	7.154	11834	59235	0.1998	10.6731
Trazodone	Trazodone-D6	7.336	43784	188603	0.2322	10.8521
Venlafaxine	Venlafaxine-D6	7.267	67914	304064	0.2234	9.7840
Citalopram	Citalopram-D6	7.358	45975	211754	0.2171	9.8125
Dextromethorphan	Dextromethorphan-D3	7.389	12445	54634	0.2278	11.4968
Diphenhydramine	Diphenhydramine-D3	7.392	84363	420200	0.2008	9.4445

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

pla QC10

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Promethazine	Promethazine-D3	7.568	63284	377369	0.1677	9.6645
Clonazepam	Clonazepam-D4	7.604	11152	16716	0.6671	9.3555
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.682	2730	13069	0.2089	9.5253 Not evaluated ★
Carisoprodol	Carisoprodol-D7	7.695	20788	115759	0.1796	10.4996
Lorazepam	Clonazepam-D4	7.745	3309	16716	0.1980	4.7729 Not evaluated ★
Alprazolam	Alprazolam-D5	7.749	17799	73556	0.2420	10.2419

ISP FORENSICS - Cd'A Instrument # 62340

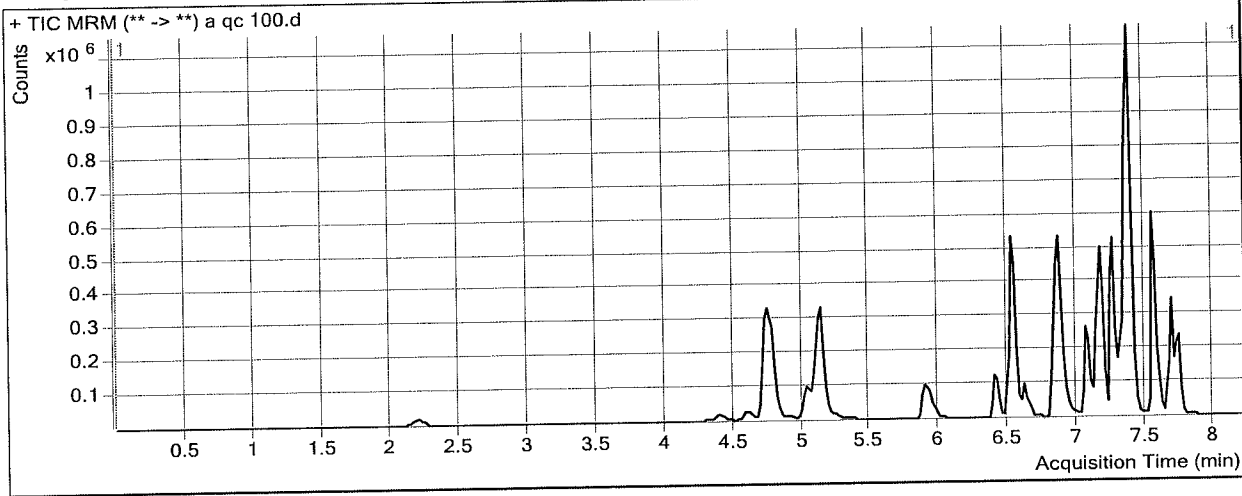
Multi-Drug Confirmatory Analysis Report

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Analysis Time 1/22/2019 2:29 PM **Analyst Name** ISP Tox
Report Time 1/22/2019 3:01 PM **Reporter Name** ISP Tox
Last Calib Update 1/22/2019 2:29 PM **Batch State** Processed

Analysis Info

Acq Time 2019-01-15 23:01 **Data File** a qc 100.d
Sample Type QC **Sample Name** a qc 100
Dilution 1 **Acq Method** a1 mdq 618.m
Position P2-B2 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.428	12684	1507	8.4166	88.7607
Hydromorphone	Hydromorphone-D6	2.209	56474	18100	3.1201	101.0591
Codeine	Codeine-D6	4.413	29179	10191	2.8631	101.6837
Oxycodone	Oxycodone-D6	4.770	152601	71217	2.1427	101.9573
Amphetamine	Amphetamine-D11	4.764	897943	99660	9.0101	103.8161
Hydrocodone	Hydrocodone-D6	5.073	110841	58969	1.8797	104.7151
Norhydrocodone	Norhydrocodone-D3	5.097	9733	23915	0.4070	95.8361
Methamphetamine	Methamphetamine-D11	5.142	841583	266127	3.1623	103.4798
6-MAM	6-MAM-D6	5.269	4722	15034	0.3141	104.2100
Phentermine	Phentermine-D5	5.947	211841	308077	0.6876	108.9293
Dextrophan	Dextrophan-D3	6.403	127215	87144	1.4598	101.6463
7-aminoclonazepam	7-Aminoclonazepam-D4	6.514	170299	66911	2.5451	104.6184
Tramadol	Tramadol-13C-D3	6.543	930404	442387	2.1031	98.9427
Metoprolol	Oxycodone-D6	6.622	131888	71217	1.8519	110.8339
Doxylamine	Doxylamine-D5	6.865	1055958	472724	2.2338	105.8910
Bupropion	Bupropion-D9	7.072	427454	183418	2.3305	97.3516
Zolpidem	Zolpidem-D6	7.163	662140	341972	1.9362	102.4016
Meprobamate	Meprobamate-D7	7.154	154016	72053	2.1375	110.8597
Trazodone	Trazodone-D6	7.336	630372	265057	2.3782	115.3454
Venlafaxine	Venlafaxine-D6	7.267	935426	410705	2.2776	105.2339
Citalopram	Citalopram-D6	7.358	619982	288353	2.1501	99.6085
Dextromethorphan	Dextromethorphan-D3	7.389	168195	74892	2.2458	96.9571
Diphenhydramine	Diphenhydramine-D3	7.392	1255281	526083	2.3861	111.2859



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

PIA GC100

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Promethazine	Promethazine-D3	7.548	886836	499431	1.7757	103.0295
Clonazepam	Clonazepam-D4	7.604	115511	17040	6.7790	96.4560
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.661	32894	16149	2.0370	87.5499 Not evaluated
Carisoprodol	Carisoprodol-D7	7.695	253514	154464	1.6412	98.0311
Lorazepam	Clonazepam-D4	7.725	49321	17040	2.8945	95.4517
Alprazolam	Alprazolam-D5	7.749	237358	93623	2.5353	99.6394

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ISP FORENSICS - Cd'A Instrument # 62340

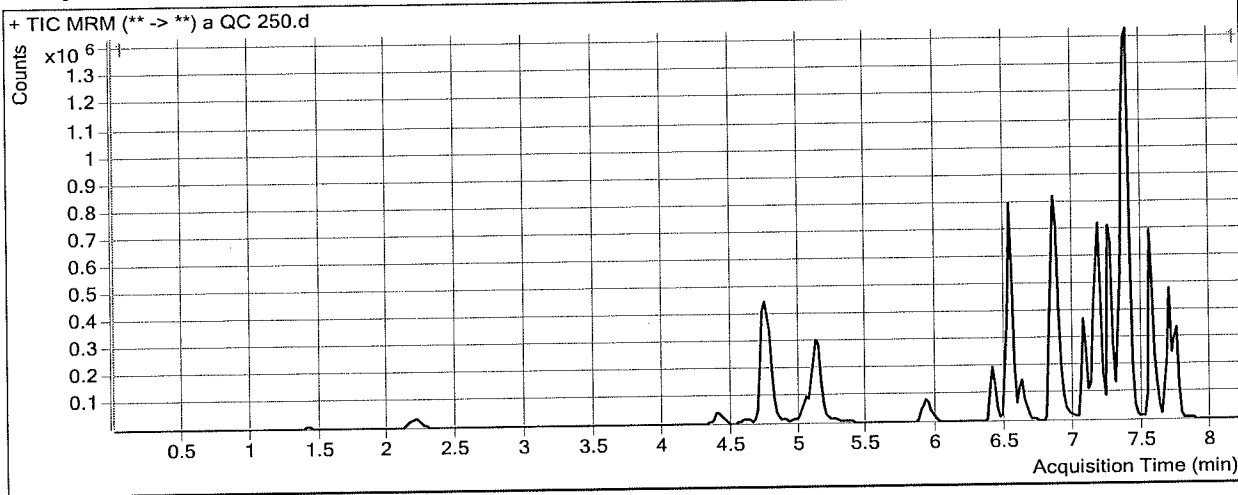
Multi-Drug Confirmatory Analysis Report

Batch Data Path I:\CDA\Instrument 1 LCMSMS\2019 data\011519 mdq\QuantResults\mdqp1a.batch.bin
Analysis Time 1/22/2019 2:29 PM **Analyst Name** ISP Tox
Report Time 1/22/2019 3:01 PM **Reporter Name** ISP Tox
Last Calib Update 1/22/2019 2:29 PM **Batch State** Processed

Analysis Info

Acq Time 2019-01-16 01:45 **Data File** a QC 250.d
Sample Type QC **Sample Name** a QC 250
Dilution 1 **Acq Method** a1 mdq 618.m
Position P2-C2 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.428	25551	1252	20.4147	216.5430
Hydromorphone	Hydromorphone-D6	2.209	115678	13983	8.2726	267.2577
Codeine	Codeine-D6	4.413	52946	7825	6.7666	237.6752
Oxycodone	Oxycodone-D6	4.770	269227	49684	5.4188	257.6990
Amphetamine	Amphetamine-D11	4.764	1124325	54080	20.7901	240.2470
Hydrocodone	Hydrocodone-D6	5.052	195024	41415	4.7090	262.0880
Norhydrocodone	Norhydrocodone-D3	5.097	17805	15882	1.1211	249.7404
Methamphetamine	Methamphetamine-D11	5.122	752840	93199	8.0778	266.1707
6-MAM	6-MAM-D6	5.249	7867	10728	0.7334	243.2138
Phentermine	Phentermine-D5	5.947	247570	143665	1.7232	281.3109
Dextroprphan	Dextroprphan-D3	6.403	210860	55364	3.8086	264.2945
7-aminoclonazepam	7-Aminoclonazepam-D4	6.514	279751	42431	6.5931	271.3887
Tramadol	Tramadol-13C-D3	6.523	1614873	308848	5.2287	246.2598
Metoprolol	Oxycodone-D6	6.622	224187	49684	4.5123	269.7637
Doxylamine	Doxylamine-D5	6.843	1775805	312598	5.6808	268.6667
Bupropion	Bupropion-D9	7.072	656999	104865	6.2652	261.4967
Zolpidem	Zolpidem-D6	7.163	1132721	221151	5.1219	270.0126
Meprobamate	Meprobamate-D7	7.154	251429	47109	5.3372	276.2917
Trazodone	Trazodone-D6	7.336	983142	179046	5.4910	266.9051
Venlafaxine	Venlafaxine-D6	7.246	1533121	263395	5.8206	269.8576
Citalopram	Citalopram-D6	7.338	966474	173209	5.5798	258.9360
Dextromethorphan	Dextromethorphan-D3	7.369	257649	44424	5.7997	247.4575
Diphenhydramine	Diphenhydramine-D3	7.392	1981508	359968	5.5047	256.6200



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

PIA QC 250

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Promethazine	Promethazine-D3	7.548	1228970	277811	4.4238	256.7849
Clonazepam	Clonazepam-D4	7.604	180769	10609	17.0387	242.6678
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.661	54786	9120	6.0072	257.0047 Not evaluated
Carisoprodol	Carisoprodol-D7	7.695	435910	97592	4.4667	267.2297
Lorazepam	Clonazepam-D4	7.725	69713	10609	6.5709	219.0816
Alprazolam	Alprazolam-D5	7.749	380044	56210	6.7611	264.3734



ISP FORENSICS - Cd'A Instrument # 62340

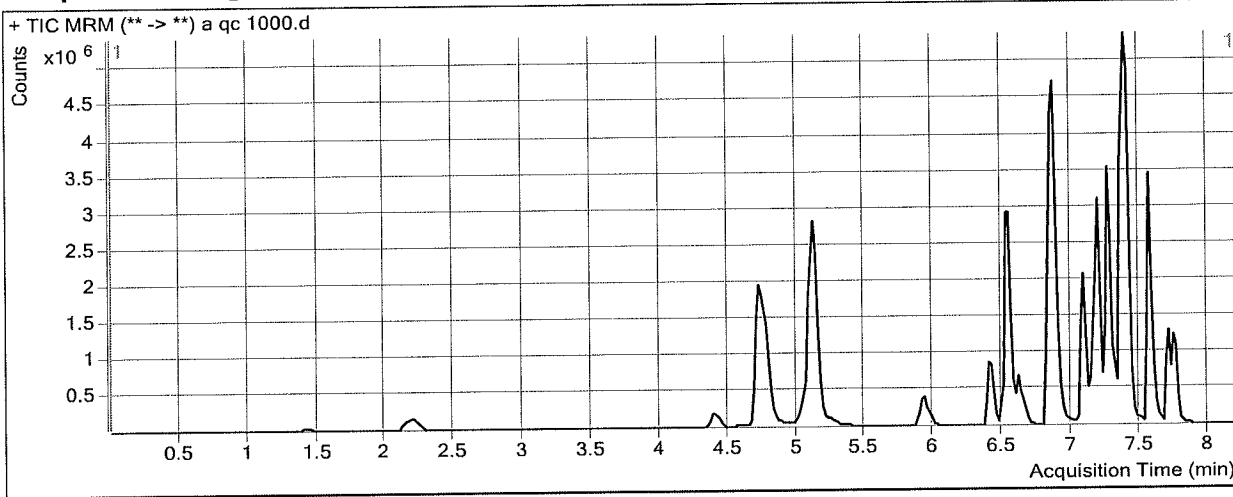
Multi-Drug Confirmatory Analysis Report

Batch Data Path I:\CDA\Instrument 1 LCMSMS\2019 data\011519 mdq\QuantResults\mdqp1a.batch.bin
Analysis Time 1/22/2019 2:29 PM **Analyst Name** ISP Tox
Report Time 1/22/2019 3:01 PM **Reporter Name** ISP Tox
Last Calib Update 1/22/2019 2:29 PM **Batch State** Processed

Analysis Info

Acq Time 2019-01-16 02:11 **Data File** a qc 1000.d
Sample Type QC **Sample Name** a qc 1000
Dilution 1 **Acq Method** a1 mdq 618.m
Position P2-D2 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.408	118525	1477	80.2574	853.8837
Hydromorphone	Hydromorphone-D6	2.209	602097	18451	32.6314	1052.9761
Codeine	Codeine-D6	4.413	257064	8505	30.2245	1054.9018
Oxycodone	Oxycodone-D6	4.770	1568886	77197	20.3232	966.2375
Amphetamine	Amphetamine-D11	4.744	5149097	103023	49.9800	578.3113 <i>outside curve range</i>
Hydrocodone	Hydrocodone-D6	5.052	1003889	59828	16.7795	933.4680
Norhydrocodone	Norhydrocodone-D3	5.097	91187	17828	5.1149	1110.4261
Methamphetamine	Methamphetamine-D11	5.122	7179411	251308	28.5682	944.3637
6-MAM	6-MAM-D6	5.249	48856	16255	3.0057	996.6282
Phentermine	Phentermine-D5	5.947	1380792	272477	5.0676	837.9794
Dextroprphan	Dextroprphan-D3	6.403	1220136	82095	14.8625	1029.7542
7-aminoclonazepam	7-Aminoclonazepam-D4	6.514	890619	51369	17.3375	714.0377
Tramadol	Tramadol-13C-D3	6.543	8296416	391913	21.1690	997.5784
Metoprolol	Oxycodone-D6	6.622	1002610	77197	12.9877	776.0838
Doxylamine	Doxylamine-D5	6.865	10435036	503170	20.7386	979.7283
Bupropion	Bupropion-D9	7.092	4180655	183902	22.7330	948.4909
Zolpidem	Zolpidem-D6	7.183	6065099	328005	18.4909	973.4016
Meprobamate	Meprobamate-D7	7.174	866227	49704	17.4278	901.4083
Trazodone	Trazodone-D6	7.336	4316964	283505	15.2271	740.9564 <i>740.9564</i>
Venlafaxine	Venlafaxine-D6	7.267	8506078	359583	23.6554	1098.5425
Citalopram	Citalopram-D6	7.358	3719968	176256	21.1055	980.1825
Dextromethorphan	Dextromethorphan-D3	7.389	1269940	51194	24.8064	1052.3528
Diphenhydramine	Diphenhydramine-D3	7.412	9192891	427758	21.4909	1001.6159



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

Pla Qc1000

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Promethazine	Promethazine-D3	7.568	7060152	433985	16.2682	944.5090
Clonazepam	Clonazepam-D4	7.625	502724	7405	67.8863	967.3017
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.682	203416	8220	24.7477	1056.8820
Carisoprodol	Carisoprodol-D7	7.715	1453587	81739	17.7834	1064.6935
Lorazepam	Clonazepam-D4	7.725	220670	7405	29.7986	1000.1815 * <i>☆</i>
Alprazolam	Alprazolam-D5	7.769	1510130	58515	25.8078	1006.8525

☆

ISP Forensics Calibration Curve Report

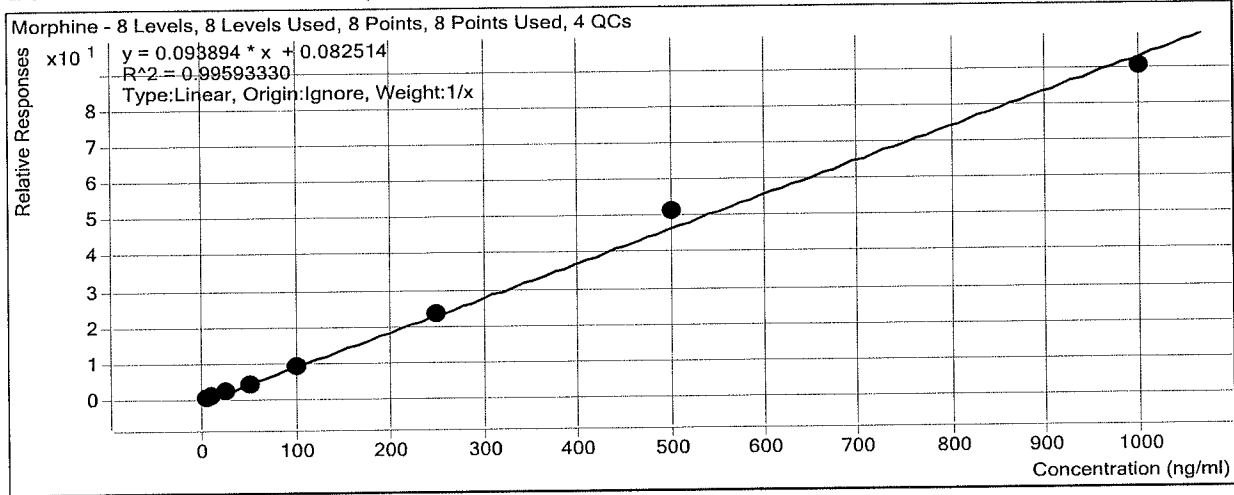
Batch Data Path
Last Calib Update

D:\2019 Data\011519 mdq\QuantResults\mdqp1a.batch.bin
1/16/2019 9:12 AM

Analyst Name

ISP TOX

Target Compound *Morphine*
Internal Standard *Morphine-D6*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	6.0	120.7
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.2	91.5
a QC 10	2	<input checked="" type="checkbox"/>	10	10.7	106.8
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.5	98.1
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	45.2	90.5
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	93.2	93.2
a qc 100	5	<input checked="" type="checkbox"/>	100	88.8	88.8
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	249.9	100.0
a QC 250	6	<input checked="" type="checkbox"/>	250	216.5	86.6
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	548.4	109.7
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	963.5	96.3
a qc 1000	8	<input checked="" type="checkbox"/>	1000	853.9	85.4

ISP Forensics Calibration Curve Report

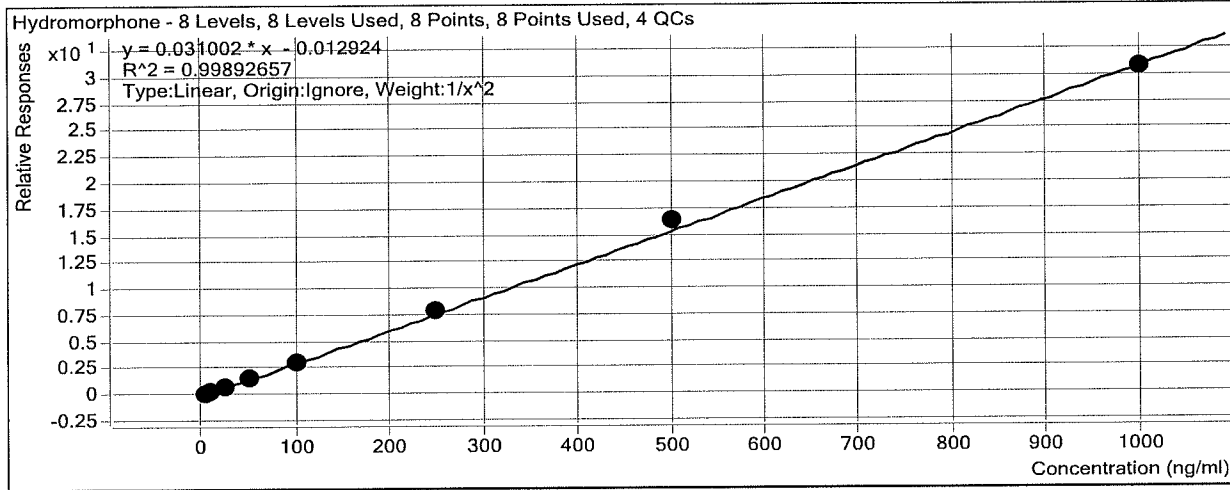
Batch Data Path
Last Calib Update

D:\2019 Data\011519 mdq\QuantResults\mdqp1a.batch.bin
1/16/2019 9:12 AM

Analyst Name

ISP TOX

Target Compound *Hydromorphone*
Internal Standard *Hydromorphone-D6*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.3
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	96.5
a QC 10	2	<input checked="" type="checkbox"/>	10	10.2	102.2
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.4	97.7
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.1	98.2
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.7	99.7
a qc 100	5	<input checked="" type="checkbox"/>	100	101.1	101.1
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	252.9	101.2
a QC 250	6	<input checked="" type="checkbox"/>	250	267.3	106.9
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	526.5	105.3
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	991.2	99.1
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1053.0	105.3

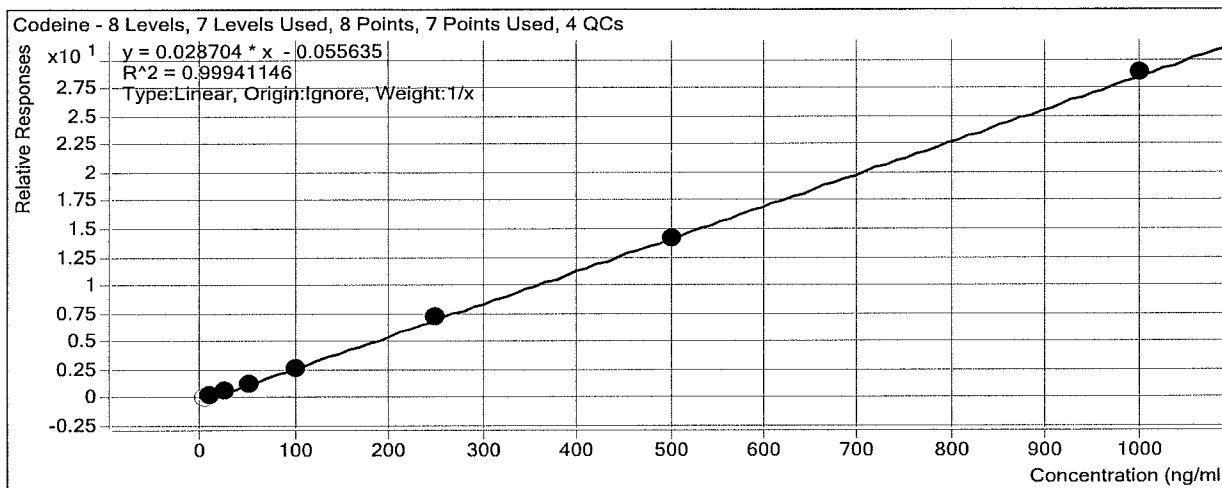
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2019 Data\011519 mdq\QuantResults\mdqp1a.batch.bin
1/16/2019 9:12 AM

Analyst Name ISP TOX

Target Compound Codeine
Internal Standard Codeine-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input type="checkbox"/>	5	8.1	161.4
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	11.2	112.1
a QC 10	2	<input checked="" type="checkbox"/>	10	11.3	112.6
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.6	94.3
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.1	100.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	91.8	91.8
a qc 100	5	<input checked="" type="checkbox"/>	100	101.7	101.7
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	252.8	101.1
a QC 250	6	<input checked="" type="checkbox"/>	250	237.7	95.1
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	498.9	99.8
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1006.6	100.7
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1054.9	105.5

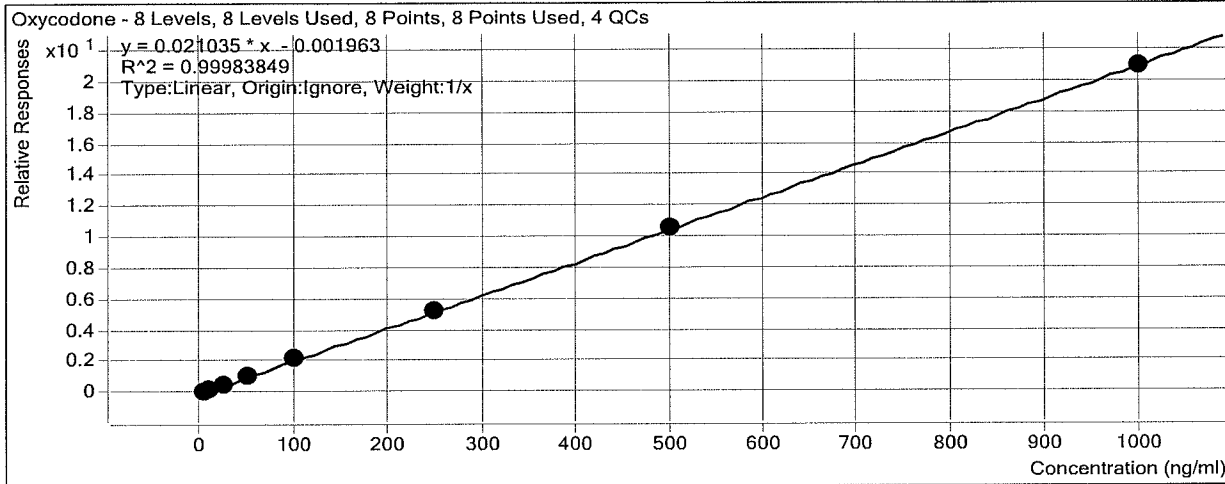
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2019 Data\011519 mdq\QuantResults\mdqp1a.batch.bin
1/16/2019 9:12 AM

Analyst Name ISP TOX

Target Compound Oxycodone
Internal Standard Oxycodone-D6



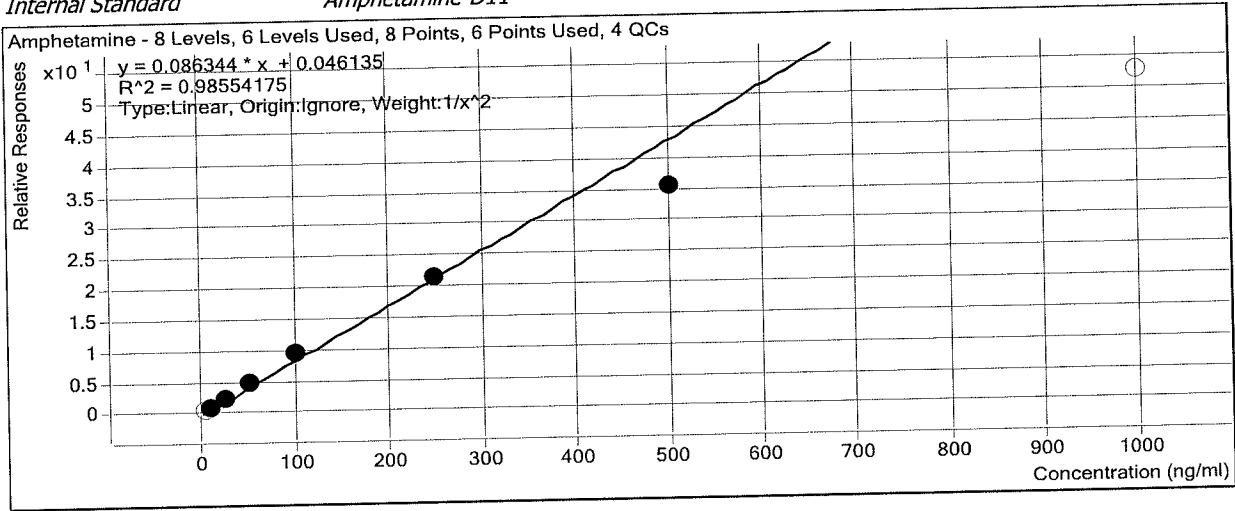
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	101.7
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	100.3
a QC 10	2	<input checked="" type="checkbox"/>	10	9.5	95.4
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.3	97.0
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.6	97.2
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.8	103.8
a qc 100	5	<input checked="" type="checkbox"/>	100	102.0	102.0
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	248.7	99.5
a QC 250	6	<input checked="" type="checkbox"/>	250	257.7	103.1
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	504.6	100.9
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	994.8	99.5
a qc 1000	8	<input checked="" type="checkbox"/>	1000	966.2	96.6

ISP Forensics Calibration Curve Report

Batch Data Path I:\CDA\Instrument 1 LCMSMS\2019 data\011519 mdq\QuantResults\mdqp1a.batch.bin

Last Calib Update 1/22/2019 2:29 PM **Analyst Name** ISP TOX

Target Compound Amphetamine
Internal Standard Amphetamine-D11



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input type="checkbox"/>	5	7.5	149.3
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	97.0
a QC 10	2	<input checked="" type="checkbox"/>	10	10.6	105.9
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.2	100.8
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	55.6	111.1
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	108.3	108.3
a qc 100	5	<input checked="" type="checkbox"/>	100	103.8	103.8
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	250.3	100.1
a QC 250	6	<input checked="" type="checkbox"/>	250	240.2	96.1
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	413.2	82.6
a cal 8-1000ng	8	<input type="checkbox"/>	1000	610.5	61.0
a qc 1000	8	<input type="checkbox"/>	1000	578.3	57.8

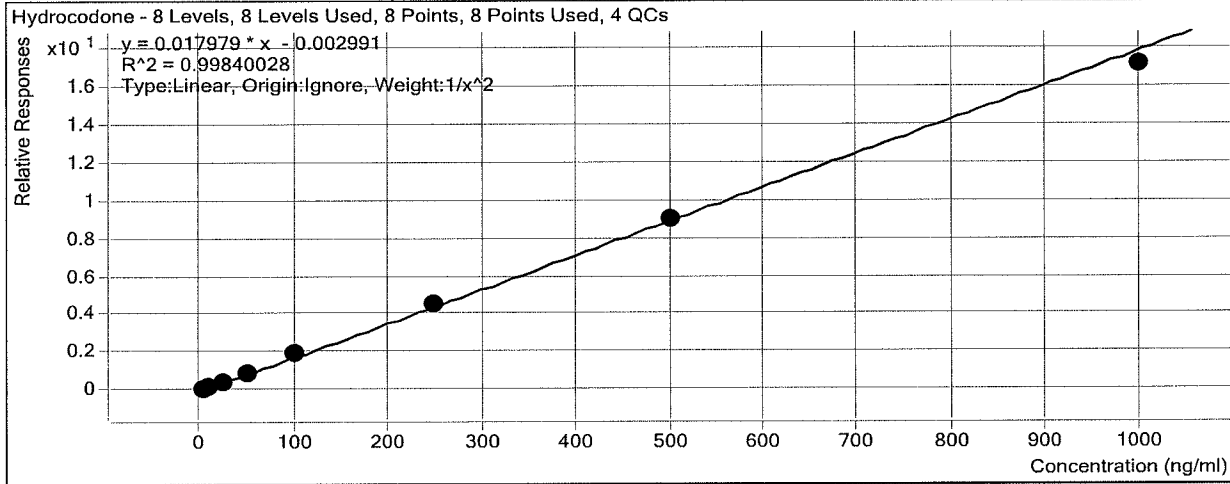
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2019 Data\011519 mdq\QuantResults\mdqp1a.batch.bin
1/16/2019 9:12 AM

Analyst Name ISP TOX

Target Compound Hydrocodone
Internal Standard Hydrocodone-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.1
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	100.8
a QC 10	2	<input checked="" type="checkbox"/>	10	11.0	109.6
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.9	95.7
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.2	100.4
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	106.5	106.5
a qc 100	5	<input checked="" type="checkbox"/>	100	104.7	104.7
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	250.5	100.2
a QC 250	6	<input checked="" type="checkbox"/>	250	262.1	104.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	504.5	100.9
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	953.2	95.3
a qc 1000	8	<input checked="" type="checkbox"/>	1000	933.5	93.3

ISP Forensics Calibration Curve Report

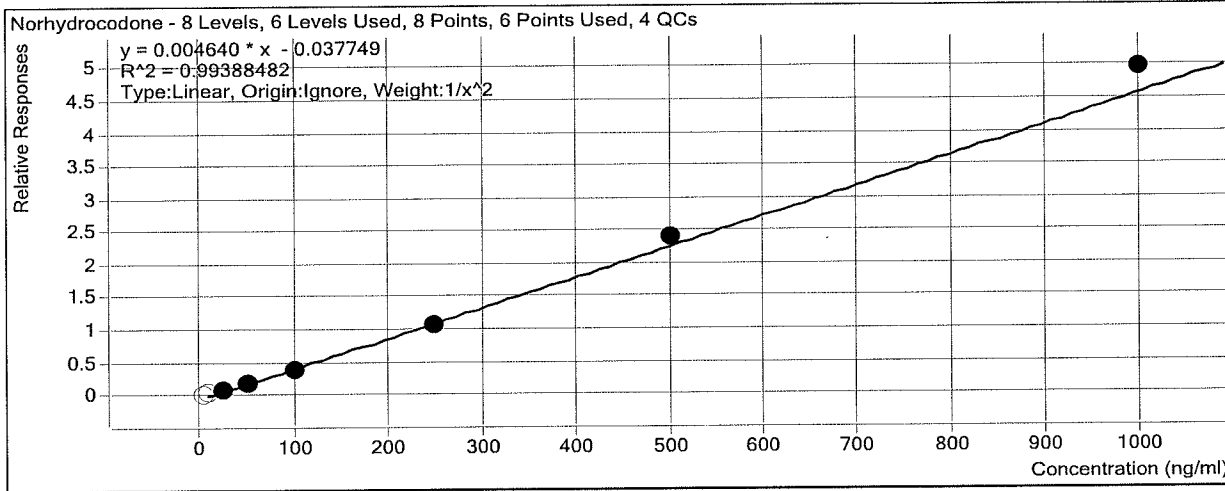
Batch Data Path
Last Calib Update

D:\2019 Data\011519 mdq\QuantResults\mdqp1a.batch.bin
1/16/2019 9:12 AM

Analyst Name

ISP TOX

Target Compound *Norhydrocodone*
Internal Standard *Norhydrocodone-D3*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input type="checkbox"/>	5	12.3	246.3
a cal 2-10ng	2	<input type="checkbox"/>	10	15.5	155.0
a QC 10	2	<input checked="" type="checkbox"/>	10	15.7	157.2
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.0	103.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.0	96.1
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	92.3	92.3
a qc 100	5	<input checked="" type="checkbox"/>	100	95.8	95.8
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	237.9	95.2
a QC 250	6	<input checked="" type="checkbox"/>	250	249.7	99.9
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	523.3	104.7
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1078.6	107.9
a qc 1000	8	<input type="checkbox"/>	1000	1110.4	111.0

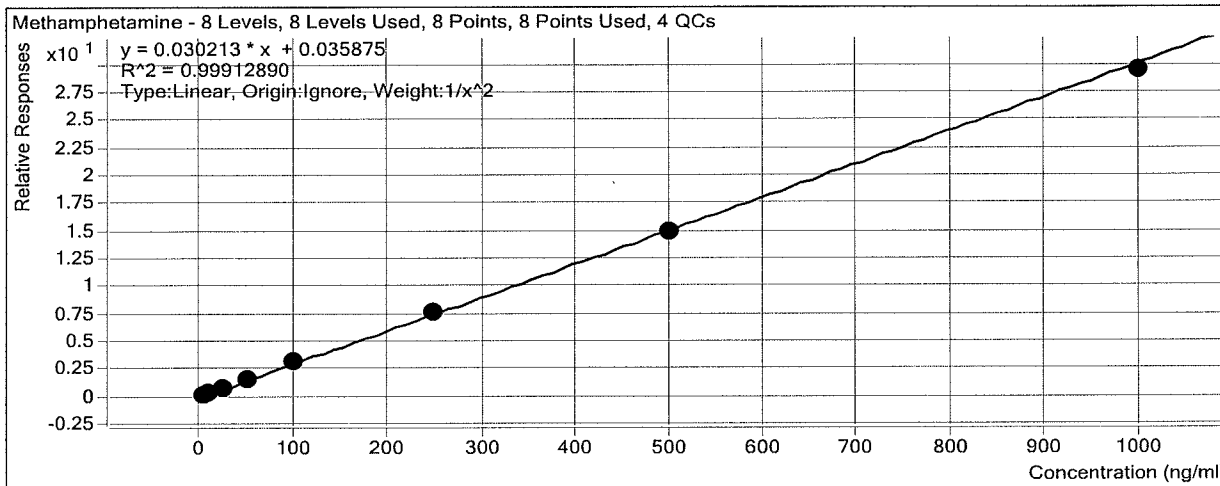
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2019 Data\011519 mdq\QuantResults\mdqp1a.batch.bin
1/16/2019 9:12 AM

Analyst Name ISP TOX

Target Compound *Methamphetamine*
Internal Standard *Methamphetamine-D11*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	101.4
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	95.9
a QC 10	2	<input checked="" type="checkbox"/>	10	9.8	98.2
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.3	101.3
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.9	101.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.7	103.7
a qc 100	5	<input checked="" type="checkbox"/>	100	103.5	103.5
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	248.8	99.5
a QC 250	6	<input checked="" type="checkbox"/>	250	266.2	106.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	494.9	99.0
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	972.8	97.3
a qc 1000	8	<input checked="" type="checkbox"/>	1000	944.4	94.4

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2019 Data\011519 mdq\QuantResults\mdqp1a.batch.bin
1/16/2019 9:12 AM

Analyst Name

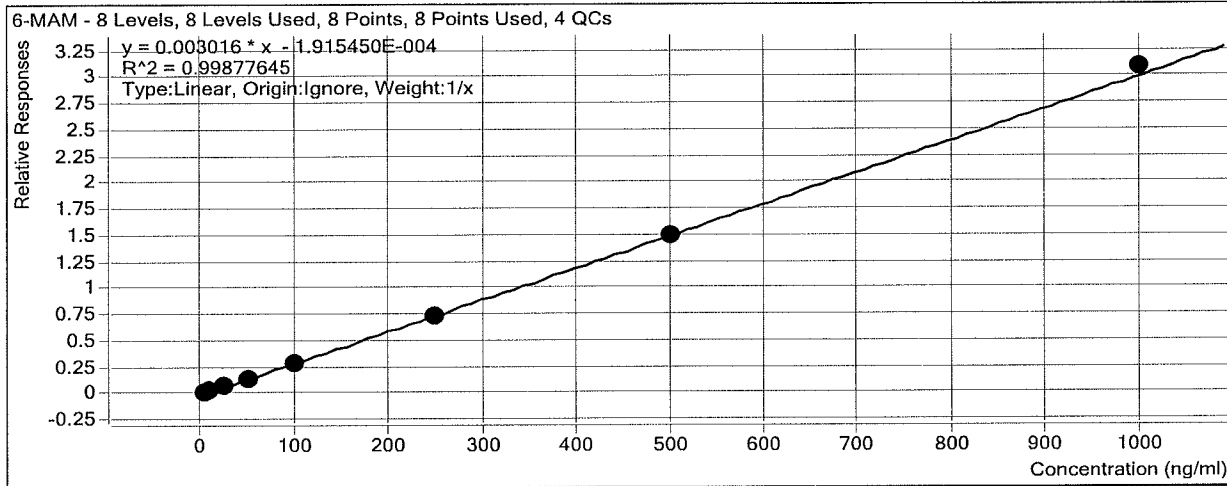
ISP TOX

Target Compound

6-MAM

Internal Standard

6-MAM-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.3	106.5
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.6	106.1
a QC 10	2	<input checked="" type="checkbox"/>	10	10.8	108.3
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.7	106.7
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	43.9	87.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	96.0	96.0
a qc 100	5	<input checked="" type="checkbox"/>	100	104.2	104.2
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	239.0	95.6
a QC 250	6	<input checked="" type="checkbox"/>	250	243.2	97.3
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	495.0	99.0
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1023.5	102.4
a qc 1000	8	<input checked="" type="checkbox"/>	1000	996.6	99.7

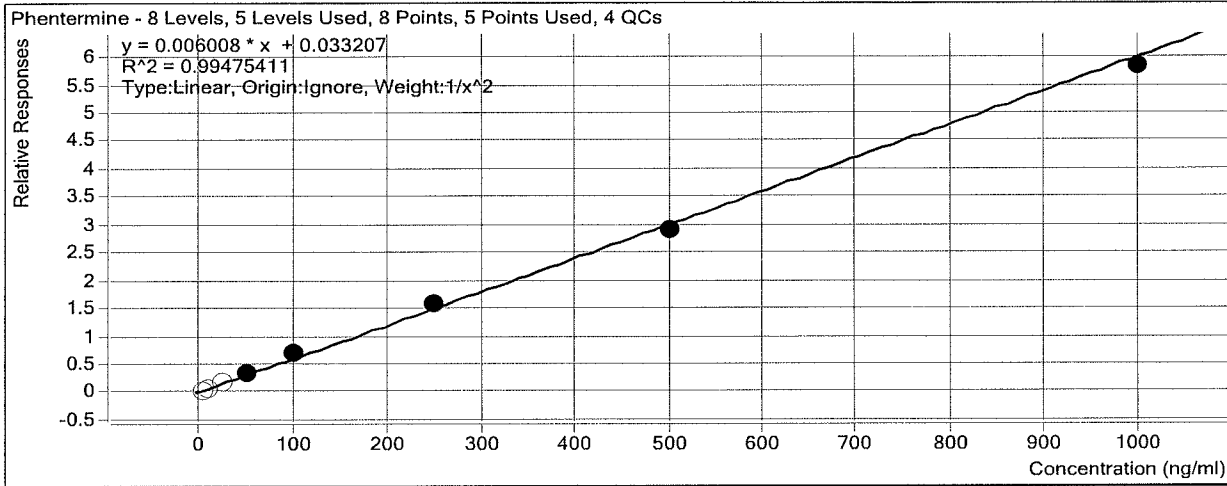
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2019 Data\011519 mdq\QuantResults\mdqp1a.batch.bin
1/16/2019 9:12 AM

Analyst Name ISP TOX

Target Compound *Phentermine*
Internal Standard *Phentermine-D5*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input type="checkbox"/>	5	0.0	0.0
a cal 2-10ng	2	<input type="checkbox"/>	10	4.8	47.6
a QC 10	2	<input type="checkbox"/>	10	6.2	62.2
a cal 3-25ng	3	<input type="checkbox"/>	25	22.7	91.0
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.8	95.7
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	108.5	108.5
a qc 100	5	<input checked="" type="checkbox"/>	100	108.9	108.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	257.3	102.9
a QC 250	6	<input checked="" type="checkbox"/>	250	281.3	112.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	481.8	96.4
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	964.9	96.5
a qc 1000	8	<input checked="" type="checkbox"/>	1000	838.0	83.8

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2019 Data\011519 mdq\QuantResults\mdqp1a.batch.bin
1/16/2019 9:12 AM

Analyst Name

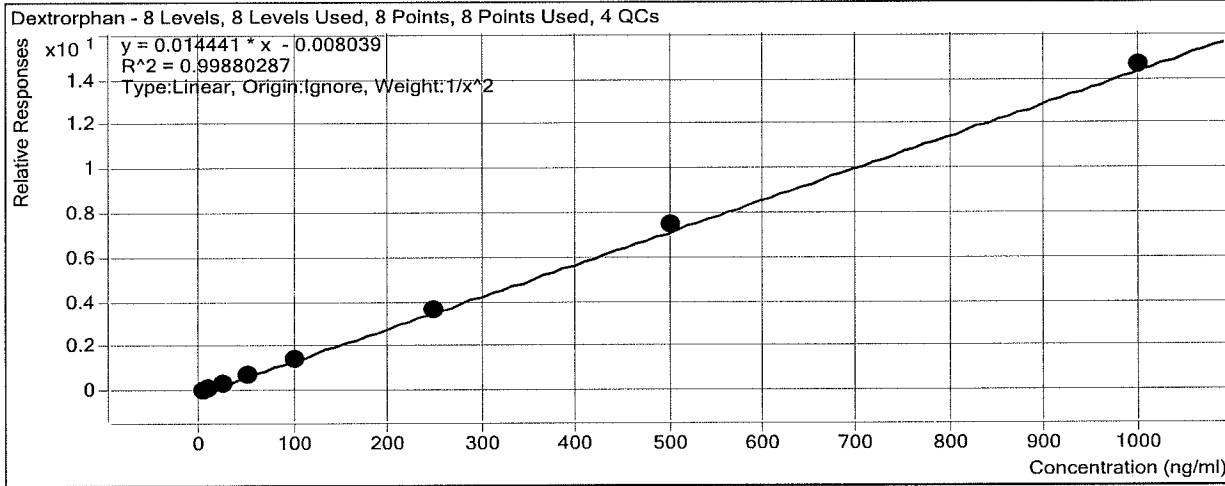
ISP TOX

Target Compound

Dextrorphan

Internal Standard

Dextrorphan-D3



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	103.2
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.5	94.6
a QC 10	2	<input checked="" type="checkbox"/>	10	10.5	105.2
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.6	98.5
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.9	97.7
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.2	100.2
a qc 100	5	<input checked="" type="checkbox"/>	100	101.6	101.6
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	251.6	100.6
a QC 250	6	<input checked="" type="checkbox"/>	250	264.3	105.7
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	519.0	103.8
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1013.9	101.4
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1029.8	103.0

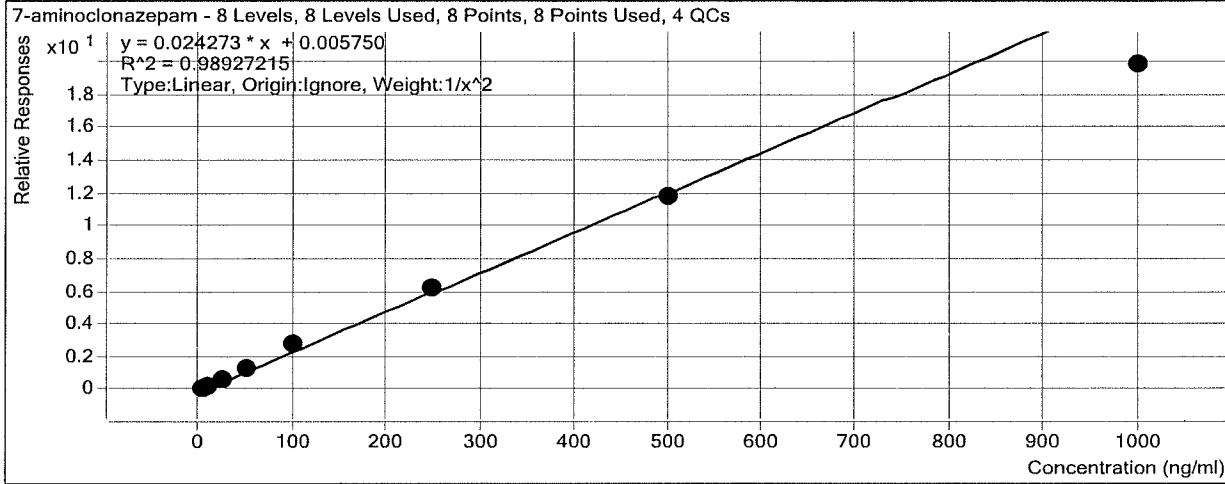
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2019 Data\011519 mdq\QuantResults\mdqp1a.batch.bin
1/16/2019 9:12 AM

Analyst Name ISP TOX

Target Compound 7-aminoclonazepam
Internal Standard 7-Aminoclonazepam-D4



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.9	98.2
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	100.2
a QC 10	2	<input checked="" type="checkbox"/>	10	10.9	109.3
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.9	103.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.6	103.2
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	113.9	113.9
a qc 100	5	<input checked="" type="checkbox"/>	100	104.6	104.6
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	255.5	102.2
a QC 250	6	<input checked="" type="checkbox"/>	250	271.4	108.6
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	485.2	97.0
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	815.9	81.6
a qc 1000	8	<input checked="" type="checkbox"/>	1000	714.0	71.4

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2019 Data\011519 mdq\QuantResults\mdqp1a.batch.bin
1/16/2019 9:12 AM

Analyst Name

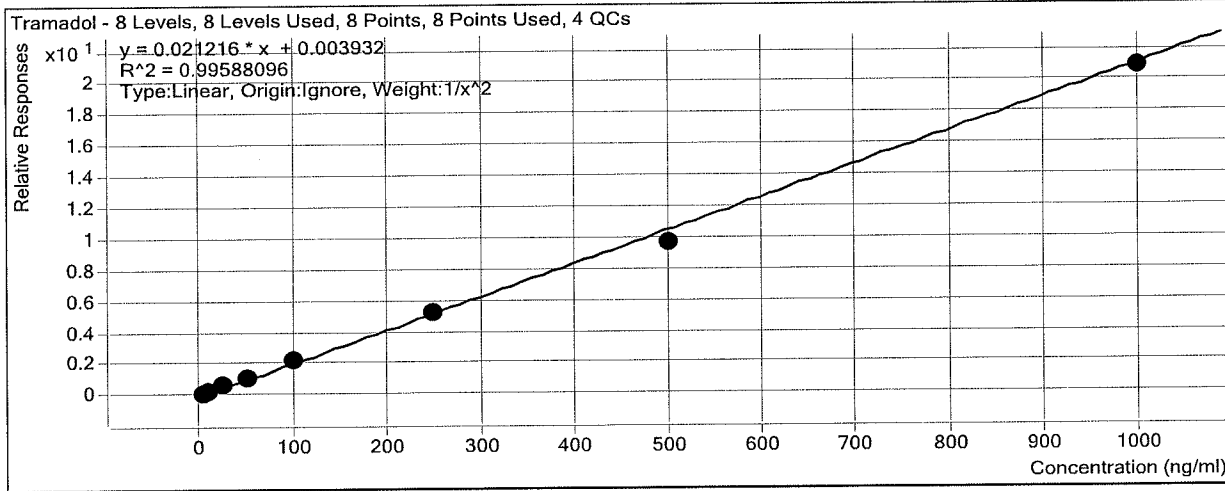
ISP TOX

Target Compound

Tramadol

Internal Standard

Tramadol-13C-D3



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	101.4
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.4	93.8
a QC 10	2	<input checked="" type="checkbox"/>	10	10.3	102.9
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.2	105.0
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.7	105.5
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	106.7	106.7
a qc 100	5	<input checked="" type="checkbox"/>	100	98.9	98.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	244.2	97.7
a QC 250	6	<input checked="" type="checkbox"/>	250	246.3	98.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	458.3	91.7
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	983.3	98.3
a qc 1000	8	<input checked="" type="checkbox"/>	1000	997.6	99.8

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

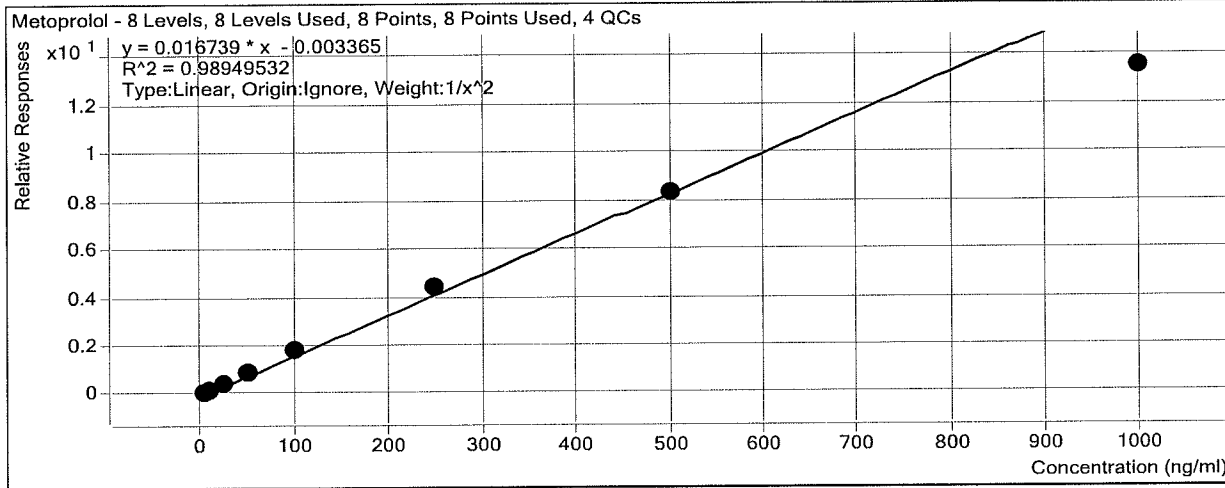
D:\2019 Data\011519 mdq\QuantResults\mdqp1a.batch.bin
1/16/2019 9:12 AM

Analyst Name

ISP TOX

Target Compound
Internal Standard

Metoprolol
Oxycodone-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.9
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.5	95.2
a QC 10	2	<input checked="" type="checkbox"/>	10	10.6	106.5
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.5	101.8
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	53.1	106.1
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	109.4	109.4
a qc 100	5	<input checked="" type="checkbox"/>	100	110.8	110.8
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	265.3	106.1
a QC 250	6	<input checked="" type="checkbox"/>	250	269.8	107.9
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	498.1	99.6
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	807.9	80.8
a qc 1000	8	<input checked="" type="checkbox"/>	1000	776.1	77.6

ISP Forensics Calibration Curve Report

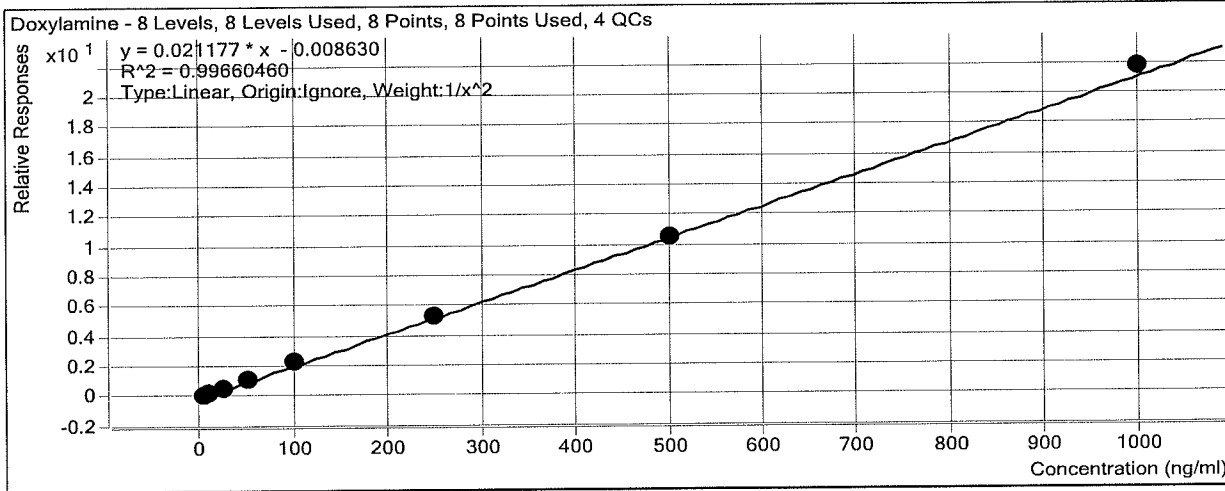
Batch Data Path
Last Calib Update

D:\2019 Data\011519 mdq\QuantResults\mdqp1a.batch.bin
1/16/2019 9:12 AM

Analyst Name

ISP TOX

Target Compound *Doxylamine*
Internal Standard *Doxylamine-D5*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	104.8
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.3	92.5
a QC 10	2	<input checked="" type="checkbox"/>	10	10.2	102.4
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.2	92.7
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.2	100.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	106.2	106.2
a qc 100	5	<input checked="" type="checkbox"/>	100	105.9	105.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	251.8	100.7
a QC 250	6	<input checked="" type="checkbox"/>	250	268.7	107.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	499.5	99.9
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1027.7	102.8
a qc 1000	8	<input checked="" type="checkbox"/>	1000	979.7	98.0

ISP Forensics Calibration Curve Report

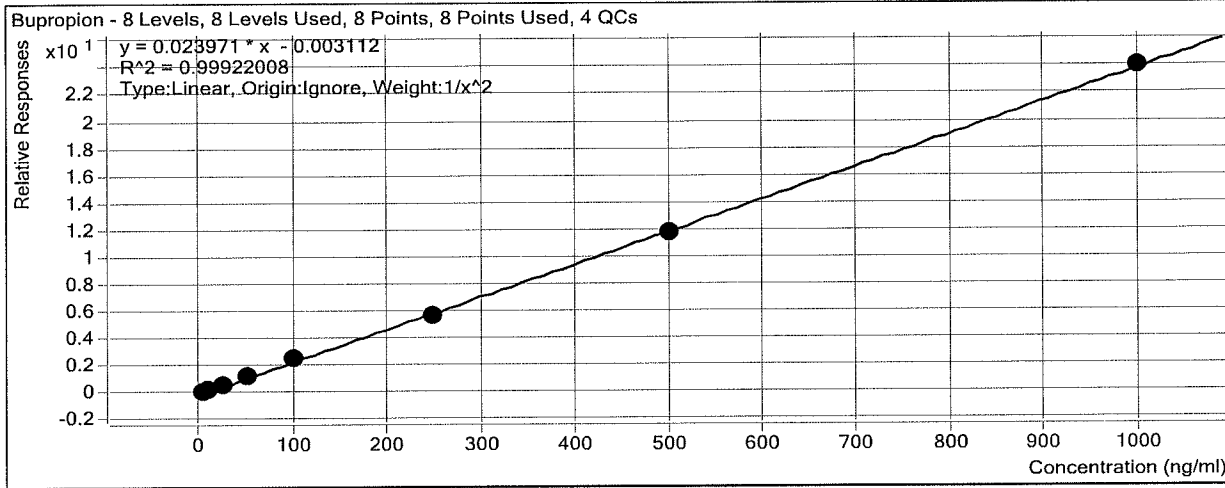
Batch Data Path
Last Calib Update

D:\2019 Data\011519 mdq\QuantResults\mdqp1a.batch.bin
1/16/2019 9:12 AM

Analyst Name

ISP TOX

Target Compound *Bupropion*
Internal Standard *Bupropion-D9*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	99.3
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	101.2
a QC 10	2	<input checked="" type="checkbox"/>	10	10.4	104.3
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.9	99.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.7	101.5
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.9	103.9
a qc 100	5	<input checked="" type="checkbox"/>	100	97.4	97.4
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	238.5	95.4
a QC 250	6	<input checked="" type="checkbox"/>	250	261.5	104.6
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	495.4	99.1
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1001.3	100.1
a qc 1000	8	<input checked="" type="checkbox"/>	1000	948.5	94.8

ISP Forensics Calibration Curve Report

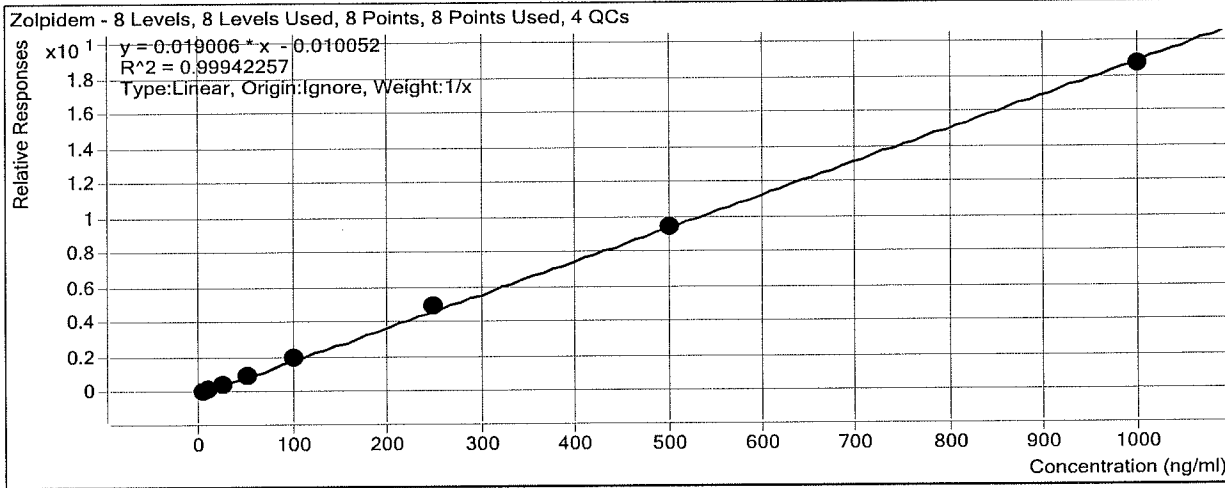
Batch Data Path
Last Calib Update

D:\2019 Data\011519 mdq\QuantResults\mdqp1a.batch.bin
1/16/2019 9:12 AM

Analyst Name

ISP TOX

Target Compound *Zolpidem*
Internal Standard *Zolpidem-D6*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.8	96.1
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	96.6
a QC 10	2	<input checked="" type="checkbox"/>	10	10.8	107.9
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.2	96.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.3	102.5
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	105.8	105.8
a qc 100	5	<input checked="" type="checkbox"/>	100	102.4	102.4
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	259.5	103.8
a QC 250	6	<input checked="" type="checkbox"/>	250	270.0	108.0
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	500.3	100.1
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	984.5	98.4
a qc 1000	8	<input checked="" type="checkbox"/>	1000	973.4	97.3

ISP Forensics Calibration Curve Report

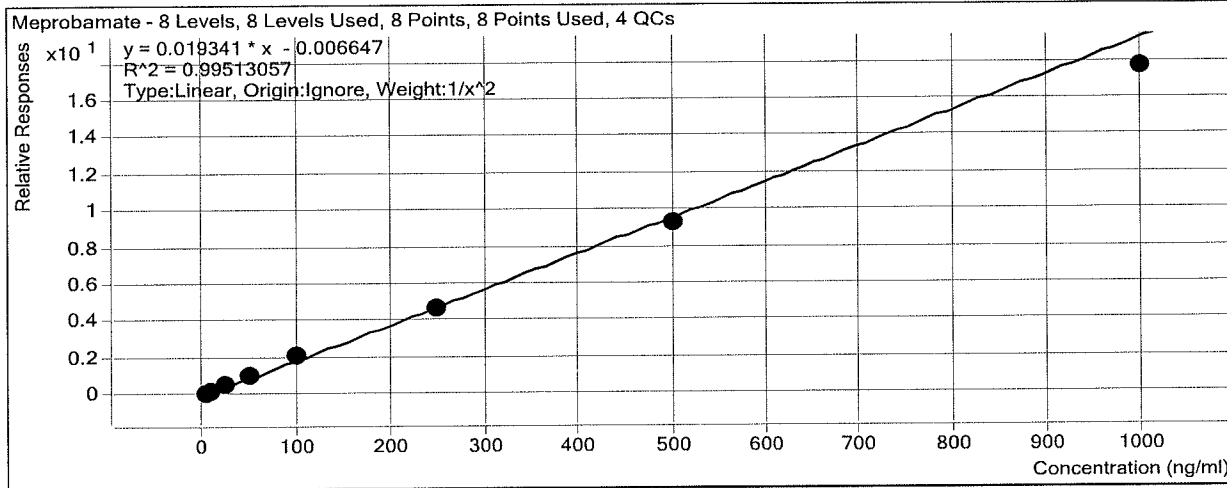
Batch Data Path
Last Calib Update

D:\2019 Data\011519 mdq\QuantResults\mdqp1a.batch.bin
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Analyst Name

ISP TOX

Target Compound *Meprobamate*
Internal Standard *Meprobamate-D7*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.4
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.5	94.6
a QC 10	2	<input checked="" type="checkbox"/>	10	10.7	106.7
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.9	107.4
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.7	105.5
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	106.9	106.9
a qc 100	5	<input checked="" type="checkbox"/>	100	110.9	110.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	243.3	97.3
a QC 250	6	<input checked="" type="checkbox"/>	250	276.3	110.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	482.4	96.5
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	912.7	91.3
a qc 1000	8	<input checked="" type="checkbox"/>	1000	901.4	90.1

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2019 Data\011519 mdq\QuantResults\mdqp1a.batch.bin
1/16/2019 9:12 AM

Analyst Name

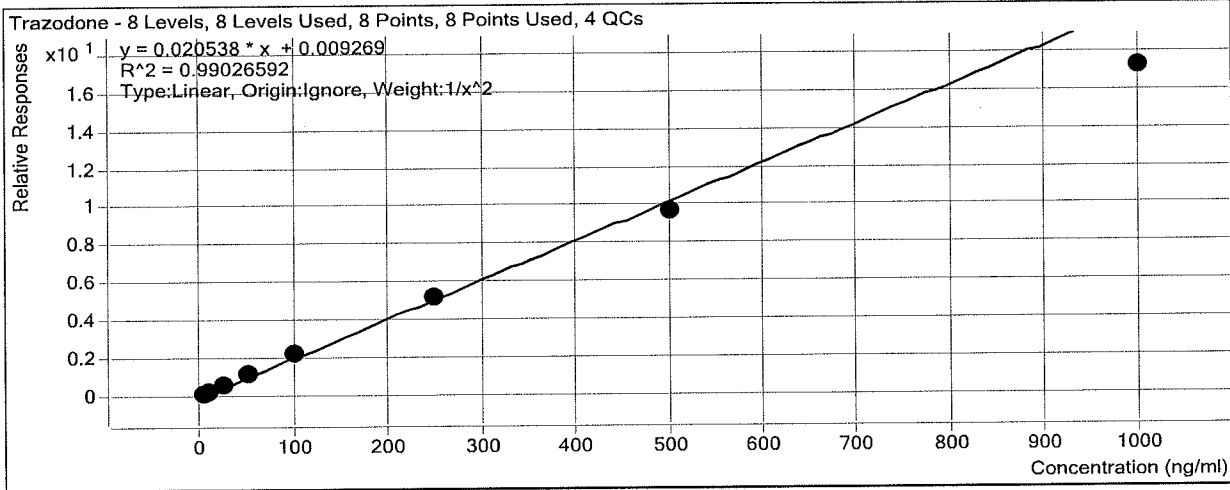
ISP TOX

Target Compound

Trazodone

Internal Standard

Trazodone-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	99.2
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	96.6
a QC 10	2	<input checked="" type="checkbox"/>	10	10.9	108.5
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.4	105.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	55.0	110.0
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	108.9	108.9
a qc 100	5	<input checked="" type="checkbox"/>	100	115.3	115.3
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	254.1	101.6
a QC 250	6	<input checked="" type="checkbox"/>	250	266.9	106.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	470.5	94.1
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	839.2	83.9
a qc 1000	8	<input checked="" type="checkbox"/>	1000	741.0	74.1

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2019 Data\011519 mdq\QuantResults\mdqp1a.batch.bin
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Analyst Name

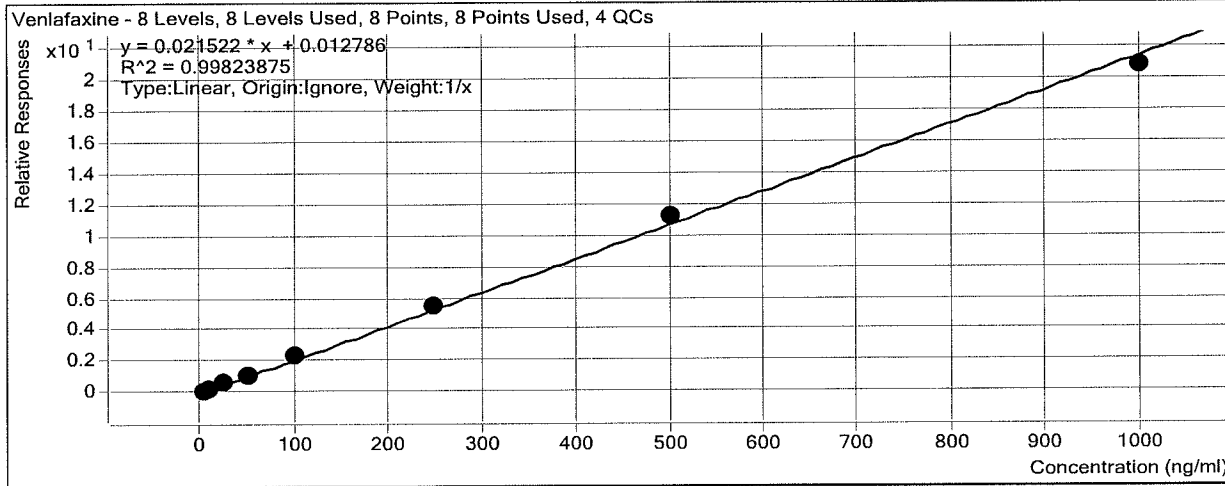
ISP TOX

Target Compound

Venlafaxine

Internal Standard

Venlafaxine-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.6	92.2
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.4	93.8
a QC 10	2	<input checked="" type="checkbox"/>	10	9.8	97.8
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.6	102.4
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.7	99.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	109.2	109.2
a qc 100	5	<input checked="" type="checkbox"/>	100	105.2	105.2
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	256.6	102.6
a QC 250	6	<input checked="" type="checkbox"/>	250	269.9	107.9
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	520.0	104.0
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	965.0	96.5
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1098.5	109.9

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2019 Data\011519 mdq\QuantResults\mdqp1a.batch.bin
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Analyst Name

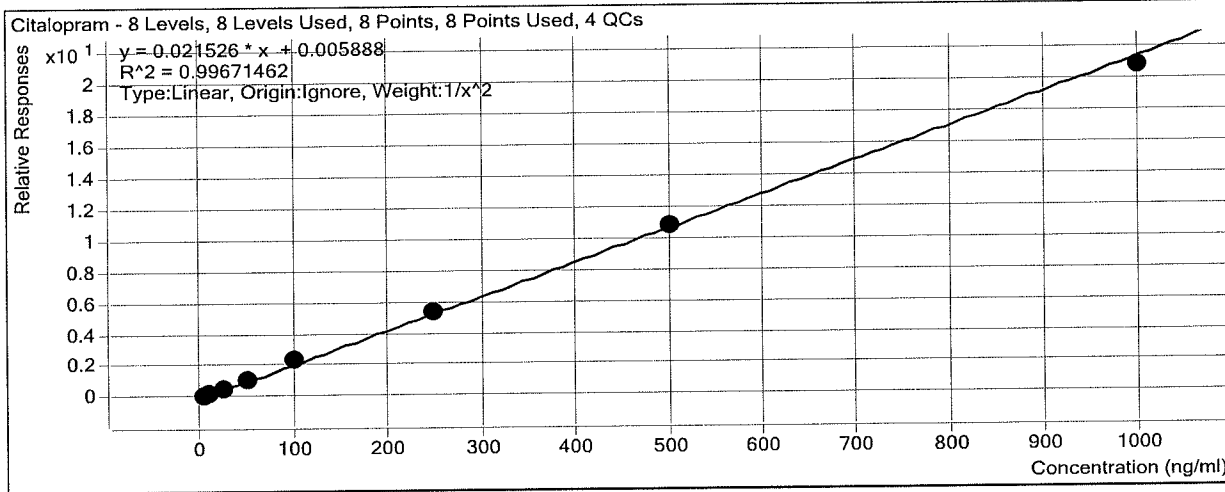
ISP TOX

Target Compound

Citalopram

Internal Standard

Citalopram-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	104.3
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.1	90.8
a QC 10	2	<input checked="" type="checkbox"/>	10	9.8	98.1
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.7	98.7
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.9	101.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	107.4	107.4
a qc 100	5	<input checked="" type="checkbox"/>	100	99.6	99.6
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	250.7	100.3
a QC 250	6	<input checked="" type="checkbox"/>	250	258.9	103.6
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	500.2	100.0
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	966.3	96.6
a qc 1000	8	<input checked="" type="checkbox"/>	1000	980.2	98.0

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

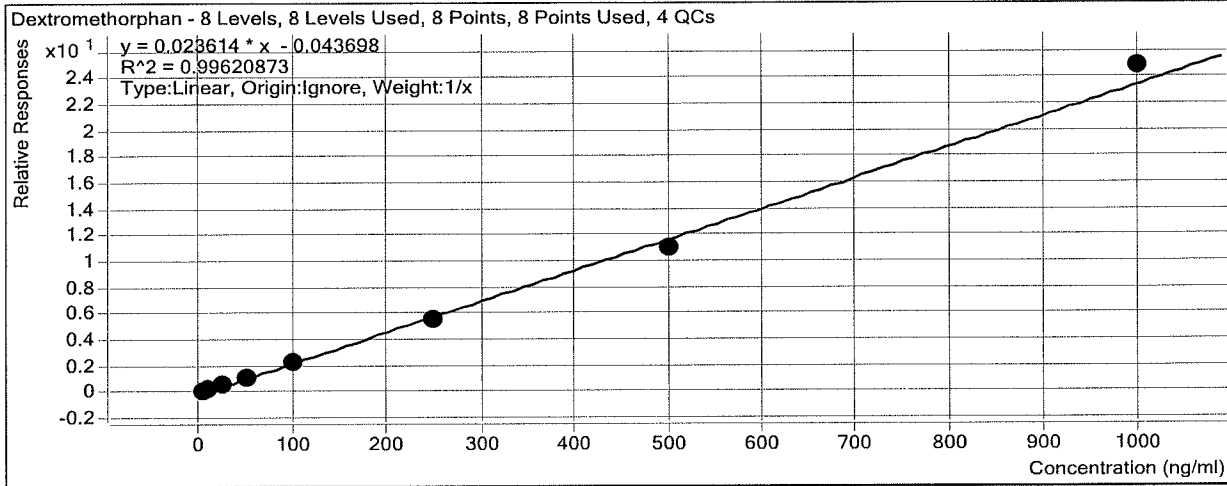
D:\2019 Data\011519 mdq\QuantResults\mdqp1a.batch.bin
1/16/2019 9:12 AM

Analyst Name

ISP TOX

Target Compound
Internal Standard

Dextromethorphan
Dextromethorphan-D3



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	6.1	121.3
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.6	105.9
a QC 10	2	<input checked="" type="checkbox"/>	10	11.5	115.0
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.4	89.5
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.1	92.1
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.7	98.7
a qc 100	5	<input checked="" type="checkbox"/>	100	97.0	97.0
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	233.3	93.3
a QC 250	6	<input checked="" type="checkbox"/>	250	247.5	99.0
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	469.3	93.9
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1053.6	105.4
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1052.4	105.2

ISP Forensics Calibration Curve Report

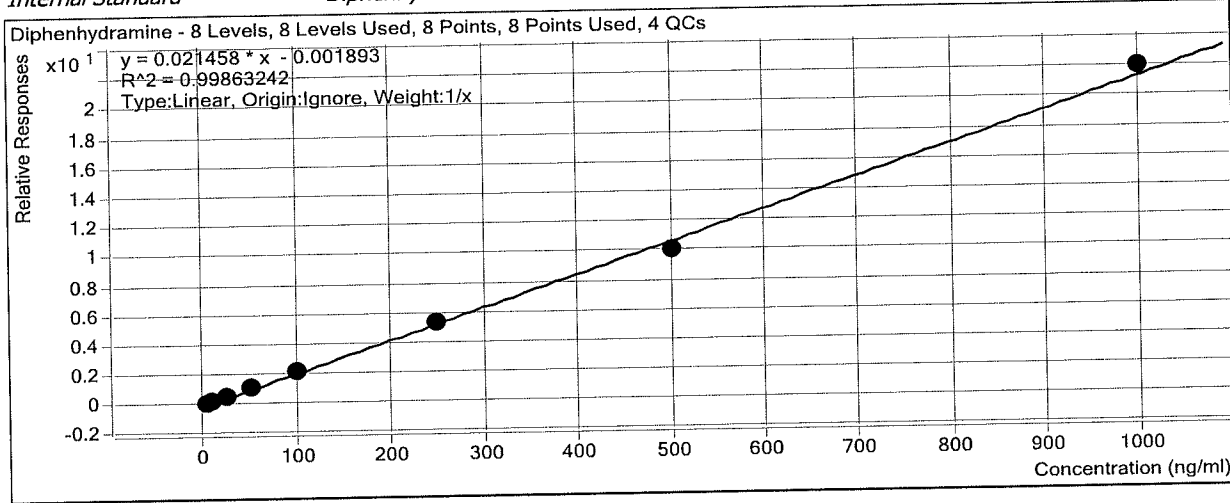
Batch Data Path
Last Calib Update

D:\2019 Data\011519 mdq\QuantResults\mdqp1a.batch.bin
1/16/2019 9:12 AM

Analyst Name

ISP TOX

Target Compound *Diphenhydramine*
Internal Standard *Diphenhydramine-D3*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	101.0
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.5	95.0
a QC 10	2	<input checked="" type="checkbox"/>	10	9.4	94.4
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.5	102.1
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.1	102.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.1	102.1
a qc 100	5	<input checked="" type="checkbox"/>	100	111.3	111.3
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	252.8	101.1
a QC 250	6	<input checked="" type="checkbox"/>	250	256.6	102.6
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	470.5	94.1
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1023.4	102.3
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1001.6	100.2

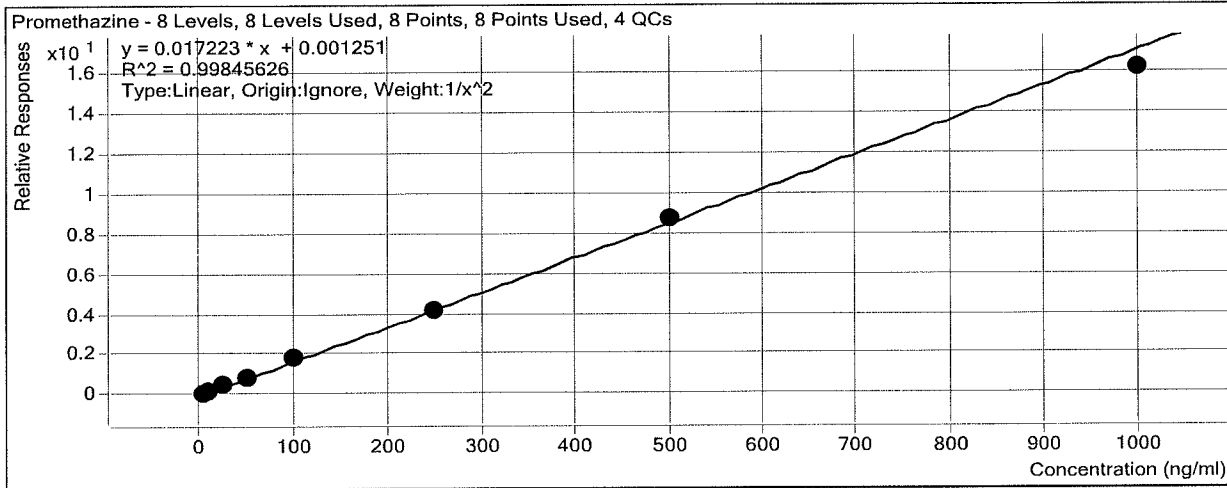
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2019 Data\011519 mdq\QuantResults\mdqp1a.batch.bin
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Analyst Name ISP TOX

Target Compound *Promethazine*
Internal Standard *Promethazine-D3*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.5
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	97.6
a QC 10	2	<input checked="" type="checkbox"/>	10	9.7	96.6
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.7	102.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.1	100.2
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	104.9	104.9
a qc 100	5	<input checked="" type="checkbox"/>	100	103.0	103.0
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	244.4	97.8
a QC 250	6	<input checked="" type="checkbox"/>	250	256.8	102.7
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	511.2	102.2
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	941.6	94.2
a qc 1000	8	<input checked="" type="checkbox"/>	1000	944.5	94.5

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2019 Data\011519 mdq\QuantResults\mdqp1a.batch.bin
1/16/2019 9:12 AM

Analyst Name

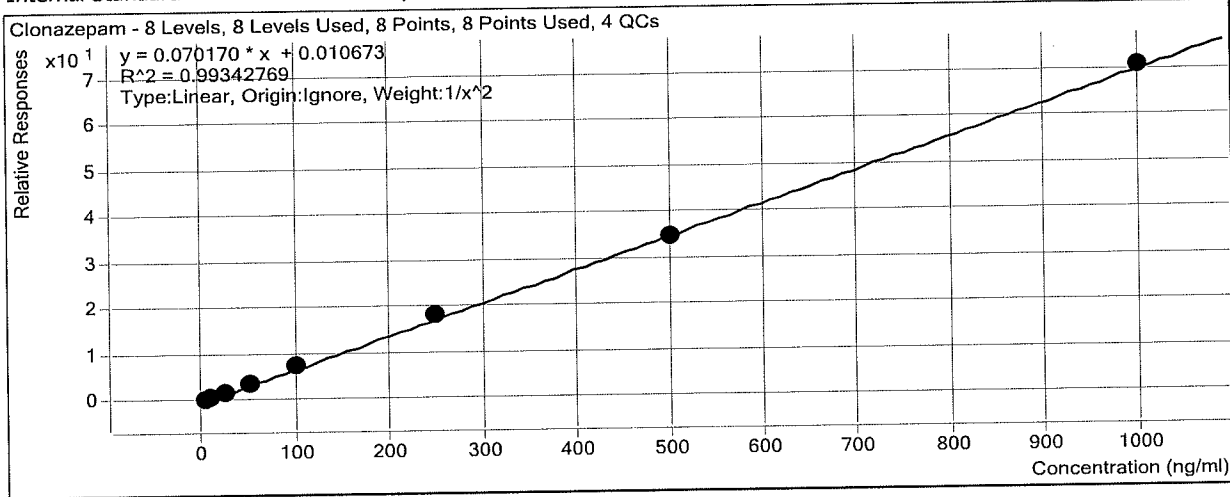
ISP TOX

Target Compound

Clonazepam

Internal Standard

Clonazepam-D4



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.4	107.6
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	8.6	86.4
a QC 10	2	<input checked="" type="checkbox"/>	10	9.4	93.6
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.3	93.4
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.6	101.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	106.1	106.1
a qc 100	5	<input checked="" type="checkbox"/>	100	96.5	96.5
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	262.4	105.0
a QC 250	6	<input checked="" type="checkbox"/>	250	242.7	97.1
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	498.0	99.6
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1006.8	100.7
a qc 1000	8	<input checked="" type="checkbox"/>	1000	967.3	96.7

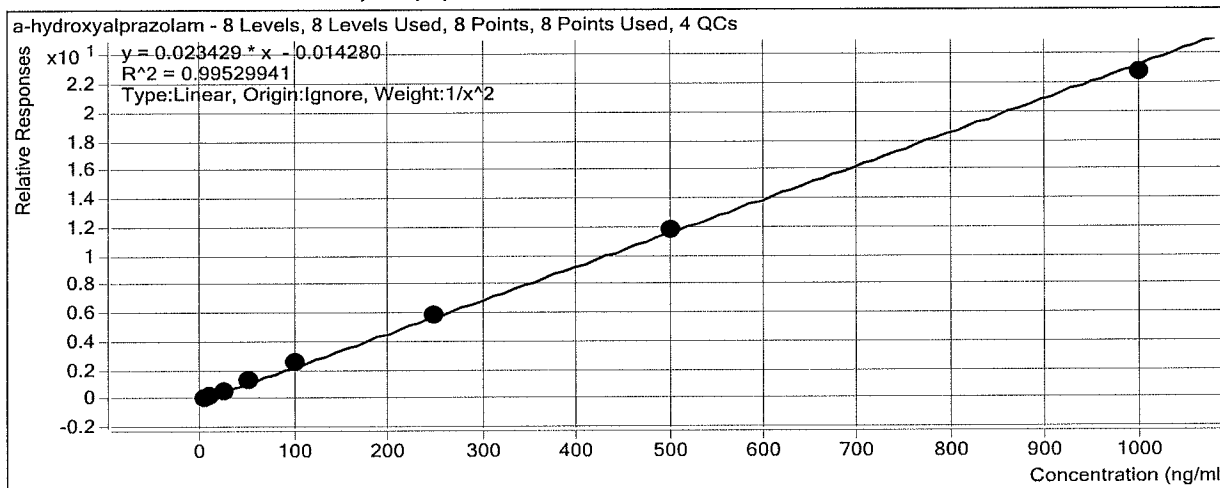
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2019 Data\011519 mdq\QuantResults\mdqp1a.batch.bin
1/16/2019 9:12 AM

Analyst Name ISP TOX

Target Compound *a-hydroxyalprazolam*
Internal Standard *a-hydroxyalprazolam-D5*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.3	105.4
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	8.9	89.0
a QC 10	2	<input checked="" type="checkbox"/>	10	9.5	95.3
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.0	96.1
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.8	105.6
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	106.6	106.6
a qc 100	5	<input checked="" type="checkbox"/>	100	87.5	87.5
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	249.1	99.7
a QC 250	6	<input checked="" type="checkbox"/>	250	257.0	102.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	502.4	100.5
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	970.9	97.1
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1056.9	105.7

Not evaluated

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2019 Data\011519 mdq\QuantResults\mdqp1a.batch.bin
1/16/2019 9:12 AM

Analyst Name

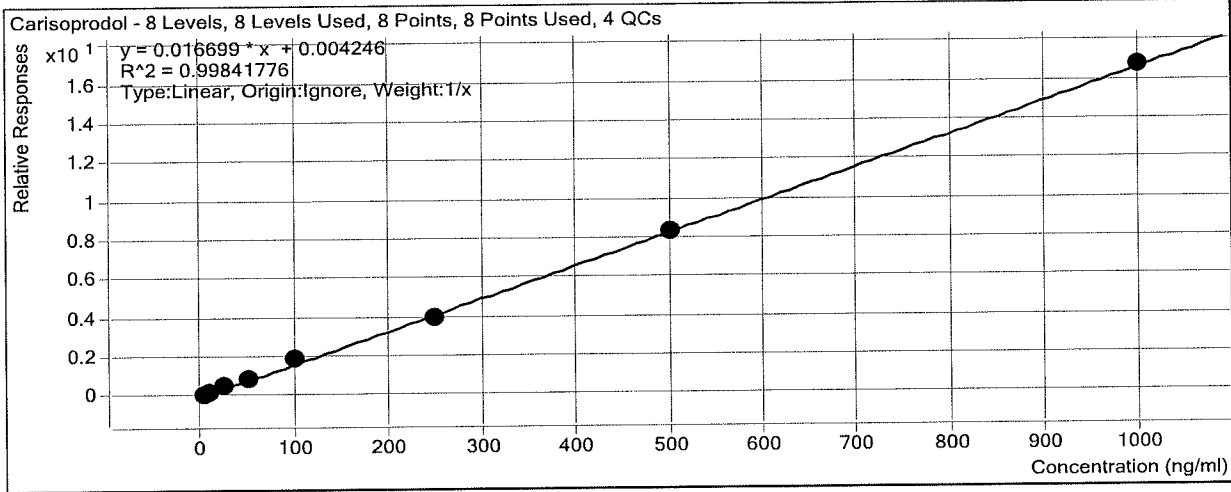
ISP TOX

Target Compound

Carisoprodol

Internal Standard

Carisoprodol-D7



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.3	85.6
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	98.9
a QC 10	2	<input checked="" type="checkbox"/>	10	10.5	105.0
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	27.2	109.0
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.5	101.0
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	111.7	111.7
a qc 100	5	<input checked="" type="checkbox"/>	100	98.0	98.0
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	233.4	93.3
a QC 250	6	<input checked="" type="checkbox"/>	250	267.2	106.9
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	502.0	100.4
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1001.0	100.1
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1064.7	106.5

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2019 Data\011519 mdq\QuantResults\mdqp1a.batch.bin
1/16/2019 9:12 AM

Analyst Name

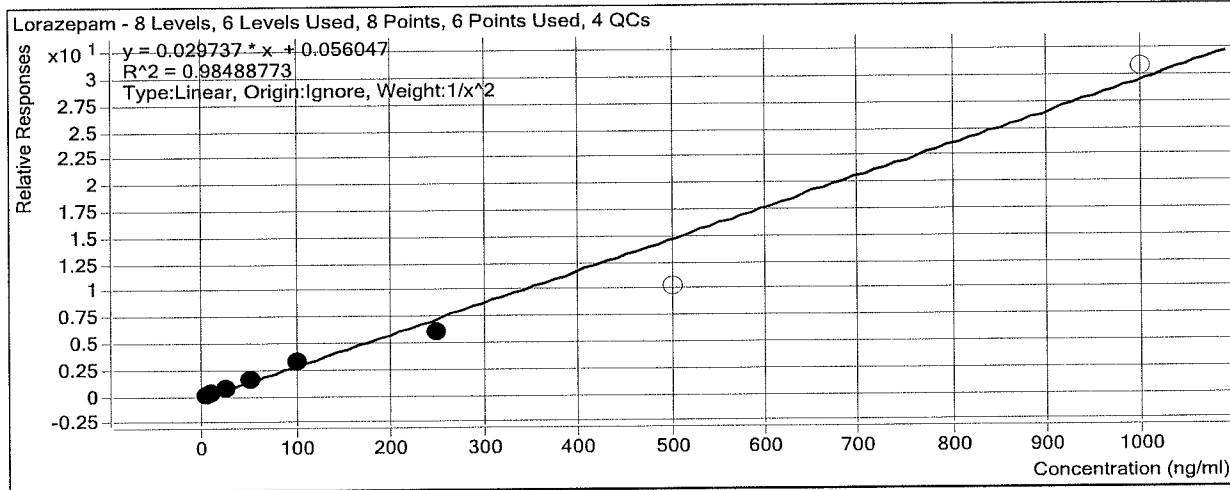
ISP TOX

Target Compound

Lorazepam

Internal Standard

Clonazepam-D4



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.9	97.2
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.2	102.4
a QC 10	2	<input checked="" type="checkbox"/>	10	4.8	47.7
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.4	105.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.6	103.2
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	110.3	110.3
a qc 100	5	<input checked="" type="checkbox"/>	100	95.5	95.5
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	203.3	81.3
a QC 250	6	<input checked="" type="checkbox"/>	250	219.1	87.6
a cal 7-500ng	7	<input type="checkbox"/>	500	341.4	68.3
a cal 8-1000ng	8	<input type="checkbox"/>	1000	1033.6	103.4
a qc 1000	8	<input type="checkbox"/>	1000	1000.2	100.0

ISP Forensics Calibration Curve Report

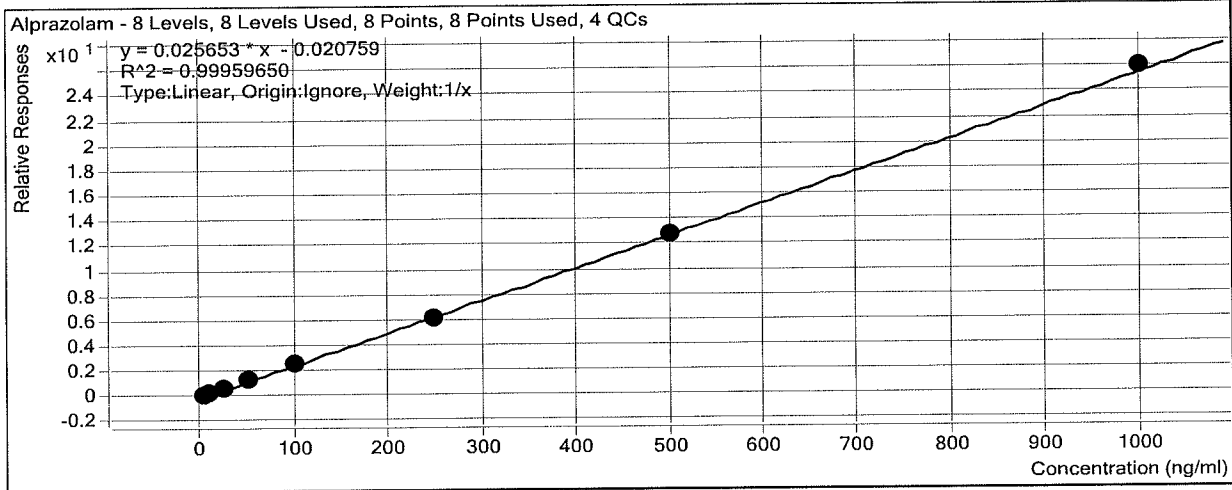
Batch Data Path
Last Calib Update

D:\2019 Data\011519 mdq\QuantResults\mdqp1a.batch.bin
1/16/2019 9:12 AM

Analyst Name

ISP TOX

Target Compound *Alprazolam*
Internal Standard *Alprazolam-D5*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.6	112.1
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	99.2
a QC 10	2	<input checked="" type="checkbox"/>	10	10.2	102.4
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.4	93.4
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.0	100.0
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.7	97.7
a qc 100	5	<input checked="" type="checkbox"/>	100	99.6	99.6
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	241.4	96.6
a QC 250	6	<input checked="" type="checkbox"/>	250	264.4	105.7
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	498.6	99.7
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1013.4	101.3
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1006.9	100.7

ISP FORENSICS - Cd'A Instrument # 62340

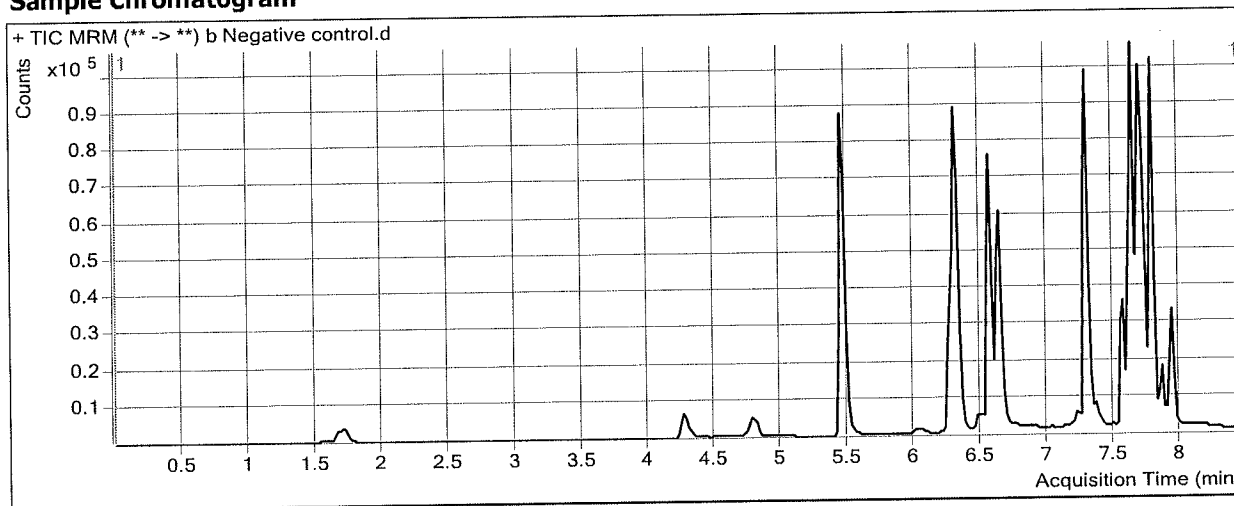
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2019 Data\011519 mdq\QuantResults\mdqp1b.batch.bin
Analysis Time 1/16/2019 10:54 AM **Analyst Name** ISP Tox
Report Time 1/16/2019 11:21 AM **Reporter Name** ISP Tox
Last Calib Update 1/16/2019 10:54 AM **Batch State** Processed

Analysis Info

Acq Time 2019-01-15 19:00 **Data File** b Negative control.d
Sample Type Sample **Sample Name** b Negative control
Dilution 1 **Acq Method** b1 mdq 618.m
Position P2-E2 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1, negative

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Benzoyllecgonine	Benzoyllecgonine-d8	6.232	0	2809	0.0000	0.0000

ISP FORENSICS - Cd'A Instrument # 62340

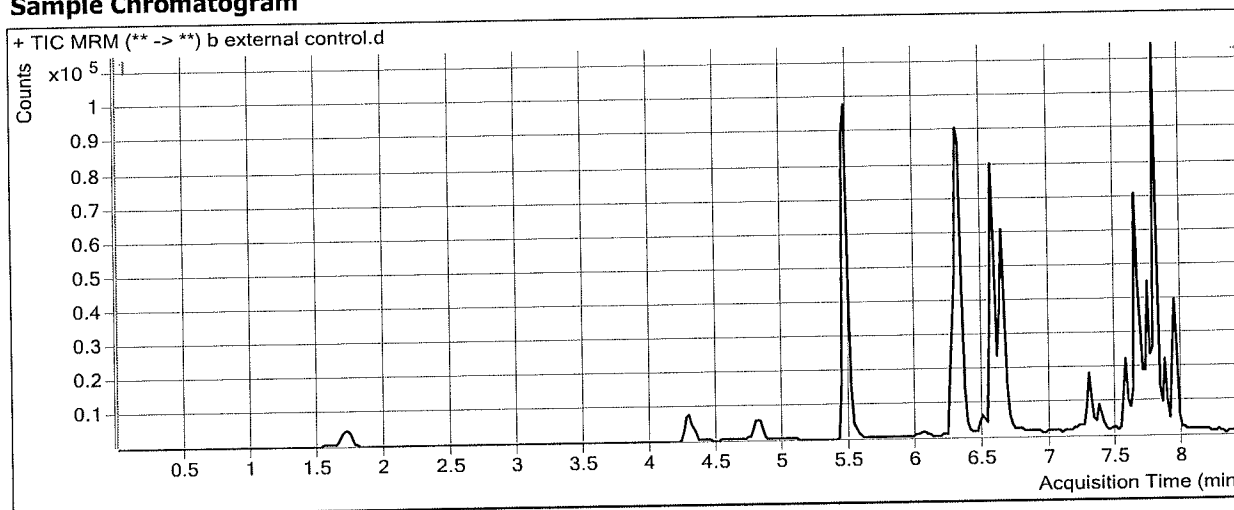
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2019 Data\011519 mdq\QuantResults\mdqp1b.batch.bin
Analysis Time 1/16/2019 10:54 AM **Analyst Name** ISP Tox
Report Time 1/16/2019 11:21 AM **Reporter Name** ISP Tox
Last Calib Update 1/16/2019 10:54 AM **Batch State** Processed

Analysis Info

Acq Time 2019-01-15 19:26 **Data File** b external control.d
Sample Type Sample **Sample Name** b external control
Dilution 1 **Acq Method** b1 mdq 618.m
Position P2-F2 **Sample Info**
Inj Vol -1 **Comment** AM 28: external control p1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Methadone	Methadone-D9	7.641	44008	62407	0.7052	41.9514
Sertraline	Sertraline-D3	7.764	3466	3305	1.0489	45.1700

ISP FORENSICS - Cd'A Instrument # 62340

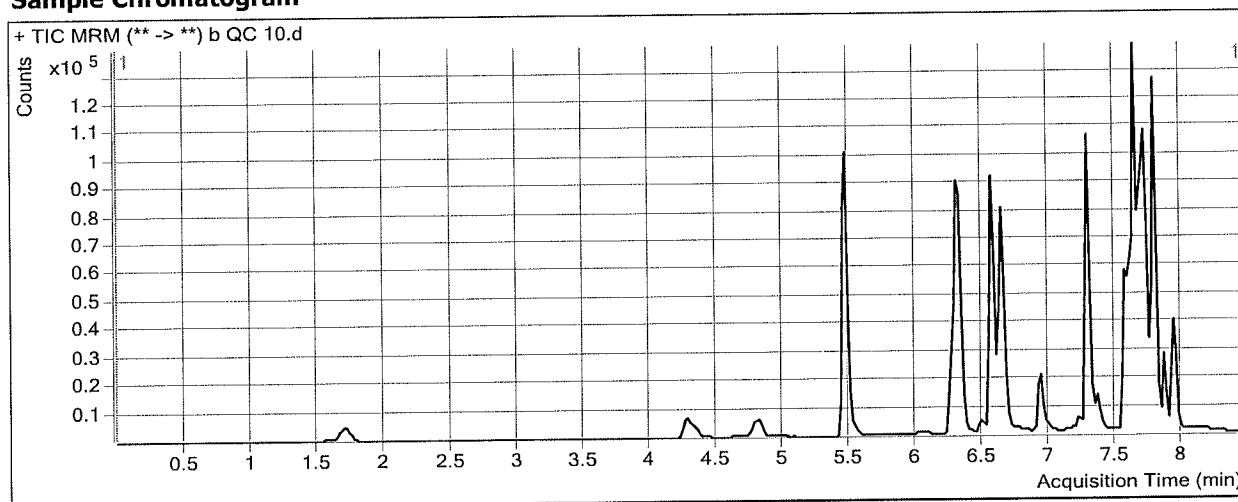
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2019 Data\011519 mdq\QuantResults\mdqp1b.batch.bin
Analysis Time 1/16/2019 10:54 AM **Analyst Name** ISP Tox
Report Time 1/16/2019 11:21 AM **Reporter Name** ISP Tox
Last Calib Update 1/16/2019 10:54 AM **Batch State** Processed

Analysis Info

Acq Time 2019-01-15 19:51 **Data File** b QC 10.d
Sample Type QC **Sample Name** b QC 10
Dilution 1 **Acq Method** b1 mdq 618.m
Position P2-A2 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.728	4781	22549	0.2120	9.7152
Dihydrocodeine	Dihydrocodeine-D6	4.331	5707	28467	0.2005	8.1466
Noroxycodone	Noroxycodone-D3	4.838	5190	22004	0.2359	10.0223
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.479	57260	263258	0.2175	10.4450
Benzoylcegonine	Benzoylcegonine-d8	6.072	595	2911	0.2044	14.2007
Ketamine	Ketamine-D4	6.299	25670	97619	0.2630	10.4967
Norfentanyl	Norfentanyl-D5	6.342	4748	219123	0.0217	1.3852 * *
Cocaine	Cocaine-d3	6.549	45823	229121	0.2000	9.8111
alpha-PVP	alpha-PVP-d8	6.646	42980	177332	0.2424	10.0482
Mirtazapine	alpha-PVP-d8	6.942	42301	177332	0.2385	10.7139
Norbuprenorphine	Norbuprenorphine-D3	7.213	219	9306	0.0235	0.8623
Fentanyl	Fentanyl-D5	7.277	5274	264386	0.0199	0.9882
Mitragynine	Quetiapine-D8	7.354	9547	88330	0.1081	9.8924
EDDP	EDDP-D3	7.366	2642	11041	0.2393	10.7299
Quetiapine	Quetiapine-D8	7.577	61977	88330	0.7017	9.8952
Cyclobenzaprine	Cyclobenzaprine-D3	7.630	22080	104417	0.2115	9.7920
Buprenorphine	Buprenorphine-D4	7.815	1236	41216	0.0300	1.8908 * *
Methadone	Methadone-D9	7.641	33568	197956	0.1696	10.2694
Fluoxetine	Fluoxetine-D6	7.702	42879	211048	0.2032	9.9997
Oxazepam	Oxazepam-D5	7.728	16150	71491	0.2259	11.5928
Sertraline	Sertraline-D3	7.764	9523	42463	0.2243	10.2937
Temazepam	Temazepam-D5	7.806	34188	155424	0.2200	10.3411
Nordiazepam	Nordiazepam-D5	7.874	12216	30905	0.3953	10.4596

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

PIB QC 10

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Diazepam	Diazepam-D5	7.928	14907	60295	0.2472	9.3330



ISP FORENSICS - Cd'A Instrument # 62340

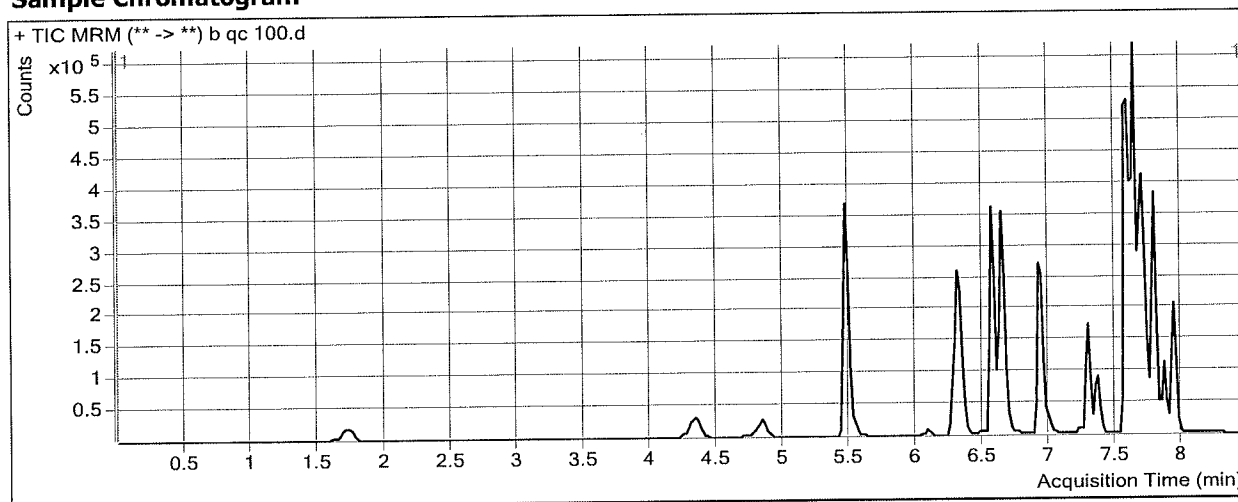
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2019 Data\011519 mdq\QuantResults\mdqp1b.batch.bin
Analysis Time 1/16/2019 10:54 AM **Analyst Name** ISP Tox
Report Time 1/16/2019 11:21 AM **Reporter Name** ISP Tox
Last Calib Update 1/16/2019 10:54 AM **Batch State** Processed

Analysis Info

Acq Time 2019-01-15 23:14 **Data File** b qc 100.d
Sample Type QC **Sample Name** b qc 100
Dilution 1 **Acq Method** b1 mdq 618.m
Position P2-B2 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.748	64897	29298	2.2150	95.4925
Dihydrocodeine	Dihydrocodeine-D6	4.351	85771	38874	2.2064	108.8560
Noroxycodone	Noroxycodone-D3	4.838	67362	26070	2.5839	102.9010
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.479	762357	360114	2.1170	98.9600
Benzoylcegonine	Benzoylcegonine-d8	6.072	9340	2913	3.2063	191.8021
Ketamine	Ketamine-D4	6.299	359255	134903	2.6631	103.1230
Norfentanyl	Norfentanyl-D5	6.342	70668	306872	0.2303	9.4274
Cocaine	Cocaine-d3	6.549	621042	303600	2.0456	99.2301
alpha-PVP	alpha-PVP-d8	6.646	597067	233507	2.5570	102.1156
Mirtazapine	alpha-PVP-d8	6.920	576379	233507	2.4684	106.4352
Norbuprenorphine	Norbuprenorphine-D3	7.213	2789	13076	0.2133	10.2466
Fentanyl	Fentanyl-D5	7.277	74723	351867	0.2124	9.6499
Mitragynine	Quetiapine-D8	7.334	127270	128695	0.9889	97.5916
EDDP	EDDP-D3	7.366	43270	18682	2.3161	96.5212
Quetiapine	Quetiapine-D8	7.577	935282	128695	7.2675	107.0124
Cyclobenzaprine	Cyclobenzaprine-D3	7.610	298787	136762	2.1847	98.2843
Buprenorphine	Buprenorphine-D4	7.815	15723	54690	0.2875	9.2544
Methadone	Methadone-D9	7.641	473356	295081	1.6042	95.1263
Fluoxetine	Fluoxetine-D6	7.682	569297	283329	2.0093	99.0857
Oxazepam	Oxazepam-D5	7.728	97528	41198	2.3673	108.4881
Sertraline	Sertraline-D3	7.764	132187	50381	2.6237	111.7751
Temazepam	Temazepam-D5	7.786	371951	176592	2.1063	85.9599
Nordiazepam	Nordiazepam-D5	7.874	133825	33924	3.9448	106.7064

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

Plb QC100

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Diazepam	Diazepam-D5	7.928	219531	78258	2.8052	101.6065



ISP FORENSICS - Cd'A Instrument # 62340

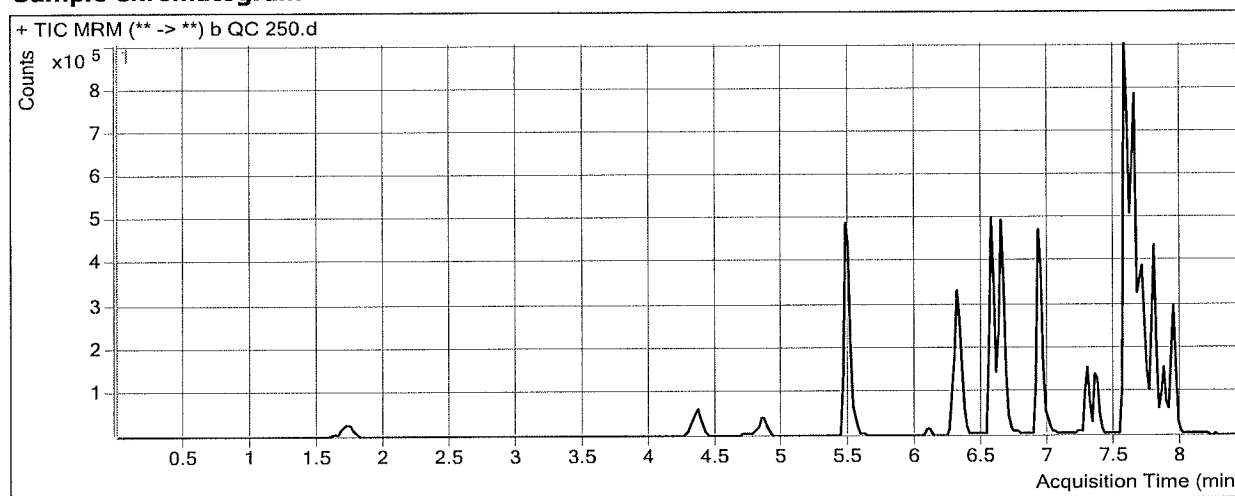
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2019 Data\011519 mdq\QuantResults\mdqp1b.batch.bin
Analysis Time 1/16/2019 10:54 AM **Analyst Name** ISP Tox
Report Time 1/16/2019 11:21 AM **Reporter Name** ISP Tox
Last Calib Update 1/16/2019 10:54 AM **Batch State** Processed

Analysis Info

Acq Time 2019-01-16 01:58 **Data File** b QC 250.d
Sample Type QC **Sample Name** b QC 250
Dilution 1 **Acq Method** b1 mdq 618.m
Position P2-C2 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.728	114191	20420	5.5920	240.1087
Dihydrocodeine	Dihydrocodeine-D6	4.351	152172	27001	5.6359	281.0377
Noroxycodone	Noroxycodone-D3	4.858	113890	17960	6.3413	251.5271
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.479	1330564	242500	5.4869	255.9952
Benzoylcegonine	Benzoylcegonine-d8	6.072	20732	2635	7.8692	467.6831
Ketamine	Ketamine-D4	6.299	604190	88524	6.8251	263.7473
Norfentanyl	Norfentanyl-D5	6.342	116039	193390	0.6000	23.6809
Cocaine	Cocaine-d3	6.549	1024029	193382	5.2954	256.6812
alpha-PVP	alpha-PVP-d8	6.646	975494	149972	6.5045	259.1374
Mirtazapine	alpha-PVP-d8	6.920	981160	149972	6.5423	281.3198
Norbuprenorphine	Norbuprenorphine-D3	7.213	4988	8631	0.5779	28.2807
Fentanyl	Fentanyl-D5	7.277	119871	217998	0.5499	24.8432
Mitragynine	Quetiapine-D8	7.334	198668	80663	2.4629	244.3471
EDDP	EDDP-D3	7.366	79702	13383	5.9556	246.8599
Quetiapine	Quetiapine-D8	7.557	1451612	80663	17.9960	265.7027
Cyclobenzaprine	Cyclobenzaprine-D3	7.610	431527	78741	5.4803	246.0763
Buprenorphine	Buprenorphine-D4	7.815	24418	30098	0.8113	24.2336
Methadone	Methadone-D9	7.641	813425	187067	4.3483	257.4450
Fluoxetine	Fluoxetine-D6	7.682	624102	118598	5.2623	259.5377
Oxazepam	Oxazepam-D5	7.728	140857	28143	5.0050	227.8435
Sertraline	Sertraline-D3	7.764	99136	16224	6.1104	259.2376
Temazepam	Temazepam-D5	7.786	602917	112089	5.3789	217.1547
Nordiazepam	Nordiazepam-D5	7.874	218681	22181	9.8592	267.0728

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

P16 QC250

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Diazepam	Diazepam-D5	7.928	347895	50140	6.9385	250.7022



ISP FORENSICS - Cd'A Instrument # 62340

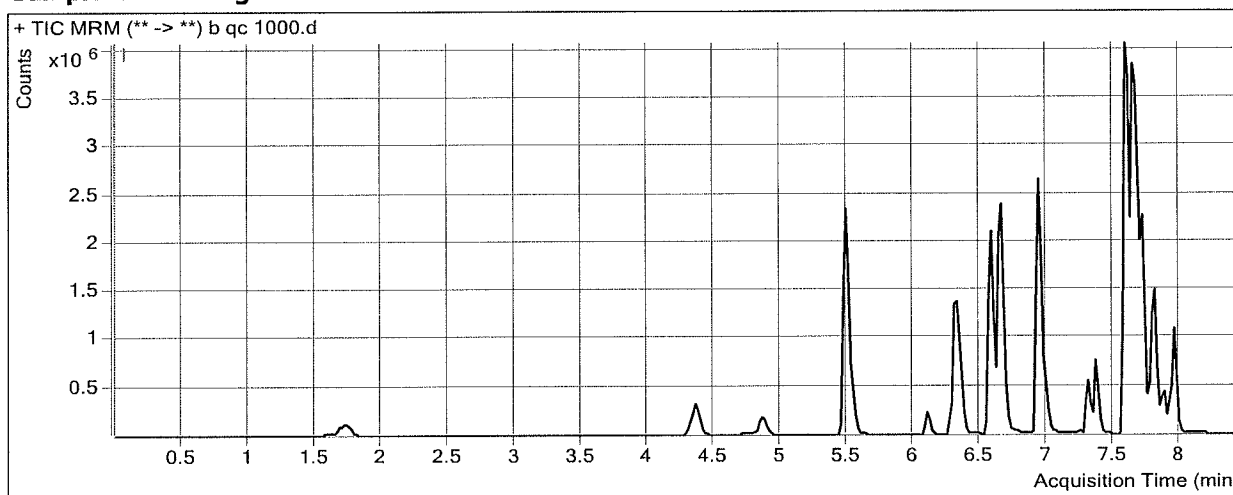
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2019 Data\011519 mdq\QuantResults\mdqp1b.batch.bin
Analysis Time 1/16/2019 10:54 AM **Analyst Name** ISP Tox
Report Time 1/16/2019 11:21 AM **Reporter Name** ISP Tox
Last Calib Update 1/16/2019 10:54 AM **Batch State** Processed

Analysis Info

Acq Time 2019-01-16 02:23 **Data File** b qc 1000.d
Sample Type QC **Sample Name** b qc 1000
Dilution 1 **Acq Method** b1 mdq 618.m
Position P2-D2 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.748	549669	24832	22.1359	948.5800
Dihydrocodeine	Dihydrocodeine-D6	4.351	781914	43111	18.1374	908.6917
Noroxycodone	Noroxycodone-D3	4.858	524123	20945	25.0233	990.5002
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.499	7178456	350109	20.5035	955.7644
Benzoylcegonine	Benzoylcegonine-d8	6.092	272400	3595	75.7778	4485.4471 * *
Ketamine	Ketamine-D4	6.299	3446230	139048	24.7845	956.8473
Norfentanyl	Norfentanyl-D5	6.362	696469	267140	2.6071	101.0545
Cocaine	Cocaine-d3	6.572	5042350	251441	20.0538	971.7272
alpha-PVP	alpha-PVP-d8	6.667	5773686	229149	25.1962	1002.6364
Mirtazapine	alpha-PVP-d8	6.942	5658408	229149	24.6931	1060.4950
Norbuprenorphine	Norbuprenorphine-D3	7.233	25739	11015	2.3368	115.2784
Fentanyl	Fentanyl-D5	7.296	732339	310942	2.3552	106.1135
Mitragynine	Quetiapine-D8	7.354	865269	108792	7.9534	790.9912
EDDP	EDDP-D3	7.366	531461	20660	25.7238	1063.4473
Quetiapine	Quetiapine-D8	7.577	7129587	108792	65.5339	968.8526
Cyclobenzaprine	Cyclobenzaprine-D3	7.630	2129695	113437	18.7743	842.2548
Buprenorphine	Buprenorphine-D4	7.835	162932	38577	4.2236	121.8183
Methadone	Methadone-D9	7.661	4953325	289574	17.1055	1012.0456
Fluoxetine	Fluoxetine-D6	7.702	4151357	226124	18.3588	905.5050
Oxazepam	Oxazepam-D5	7.748	347364	16511	21.0380	953.3167 * *
Sertraline	Sertraline-D3	7.785	934373	39300	23.7752	1006.3356 * *
Temazepam	Temazepam-D5	7.806	2176488	92687	23.4822	942.8870
Nordiazepam	Nordiazepam-D5	7.894	683690	17319	39.4761	1070.1339

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

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Diazepam	Diazepam-D5	7.949	1651949	62788	26.3098	949.4753



ISP Forensics Calibration Curve Report

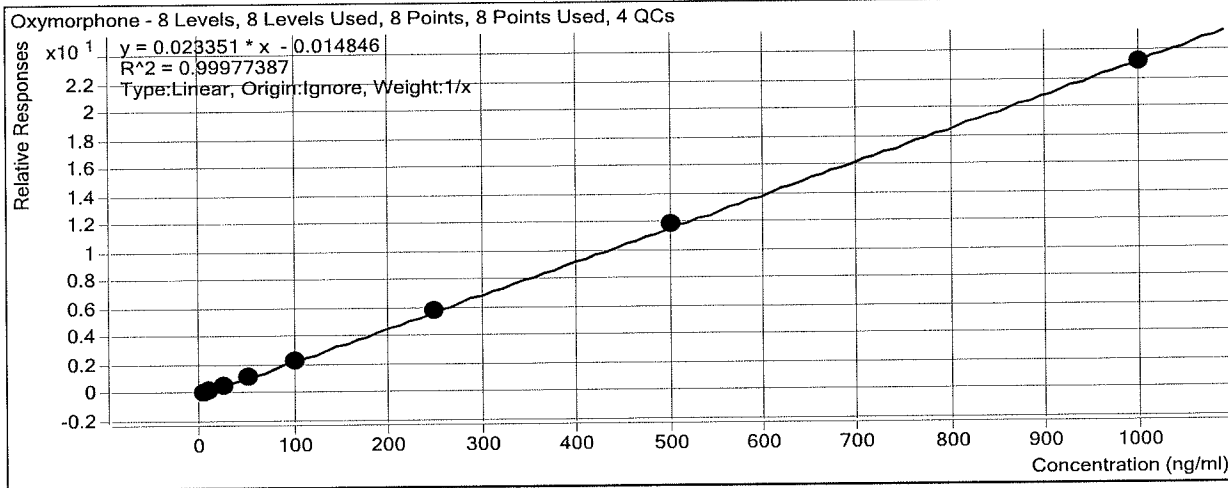
Batch Data Path
Last Calib Update

D:\2019 Data\011519 mdq\QuantResults\mdqp1b.batch.bin
1/16/2019 10:54 AM

Analyst Name

ISP TOX

Target Compound *Oxymorphone*
Internal Standard *Oxymorphone-D3*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.4	107.1
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	96.8
b QC 10	2	<input checked="" type="checkbox"/>	10	9.7	97.2
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.4	97.5
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.5	97.0
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.4	100.4
b qc 100	5	<input checked="" type="checkbox"/>	100	95.5	95.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	249.7	99.9
b QC 250	6	<input checked="" type="checkbox"/>	250	240.1	96.0
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	510.6	102.1
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	991.3	99.1
b qc 1000	8	<input checked="" type="checkbox"/>	1000	948.6	94.9

ISP Forensics Calibration Curve Report

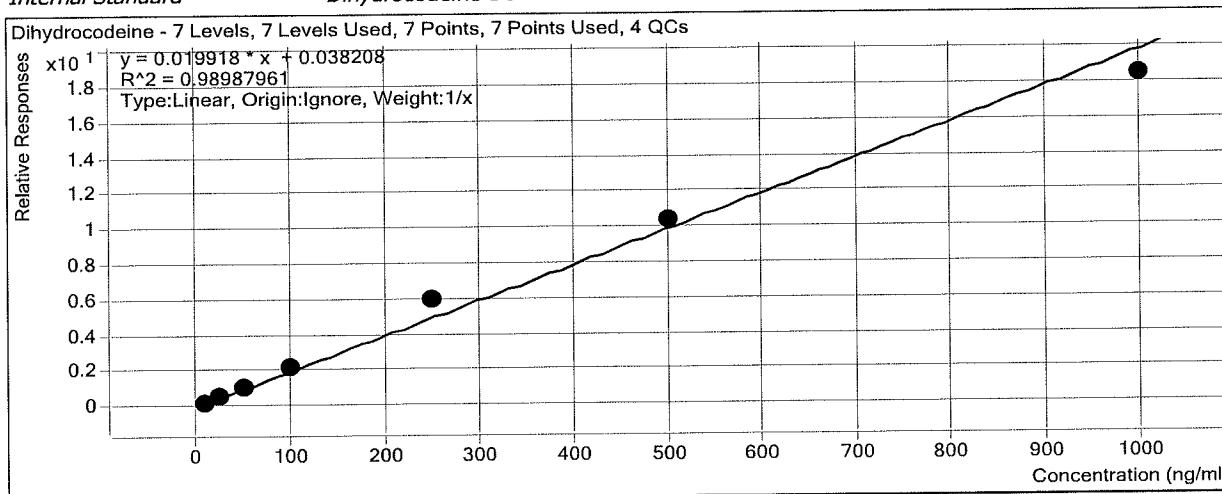
Batch Data Path
Last Calib Update

D:\2019 Data\011519 mdq\QuantResults\mdqp1b.batch.bin
1/16/2019 10:54 AM

Analyst Name

ISP TOX

Target Compound *Dihydrocodeine*
Internal Standard *Dihydrocodeine-D6*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	0.0	0.0
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	8.1	81.0
b QC 10	2	<input checked="" type="checkbox"/>	10	8.1	81.5
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.6	94.3
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.8	99.7
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	109.1	109.1
b qc 100	5	<input checked="" type="checkbox"/>	100	108.9	108.9
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	297.9	119.2
b QC 250	6	<input checked="" type="checkbox"/>	250	281.0	112.4
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	521.3	104.3
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	925.2	92.5
b qc 1000	8	<input checked="" type="checkbox"/>	1000	908.7	90.9

ISP Forensics Calibration Curve Report

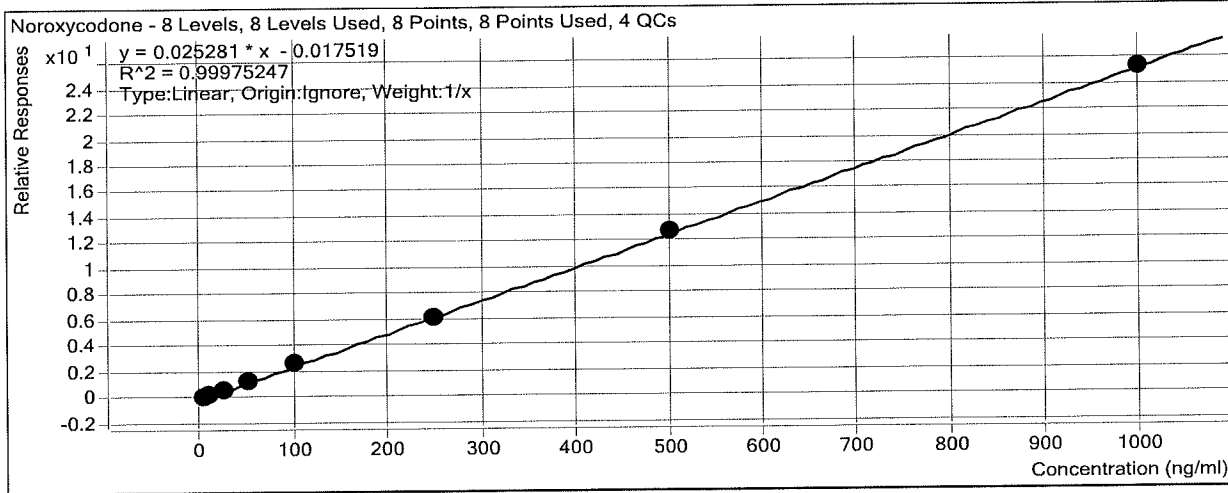
Batch Data Path
Last Calib Update

D:\2019 Data\011519 mdq\QuantResults\mdqp1b.batch.bin
1/16/2019 10:54 AM

Analyst Name

ISP TOX

Target Compound *Noroxycodone*
Internal Standard *Noroxycodone-D3*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.5	110.8
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	95.8
b QC 10	2	<input checked="" type="checkbox"/>	10	10.0	100.2
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.3	93.0
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.1	98.2
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.1	103.1
b qc 100	5	<input checked="" type="checkbox"/>	100	102.9	102.9
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	245.4	98.1
b QC 250	6	<input checked="" type="checkbox"/>	250	251.5	100.6
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	504.4	100.9
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	999.6	100.0
b qc 1000	8	<input checked="" type="checkbox"/>	1000	990.5	99.1

ISP Forensics Calibration Curve Report

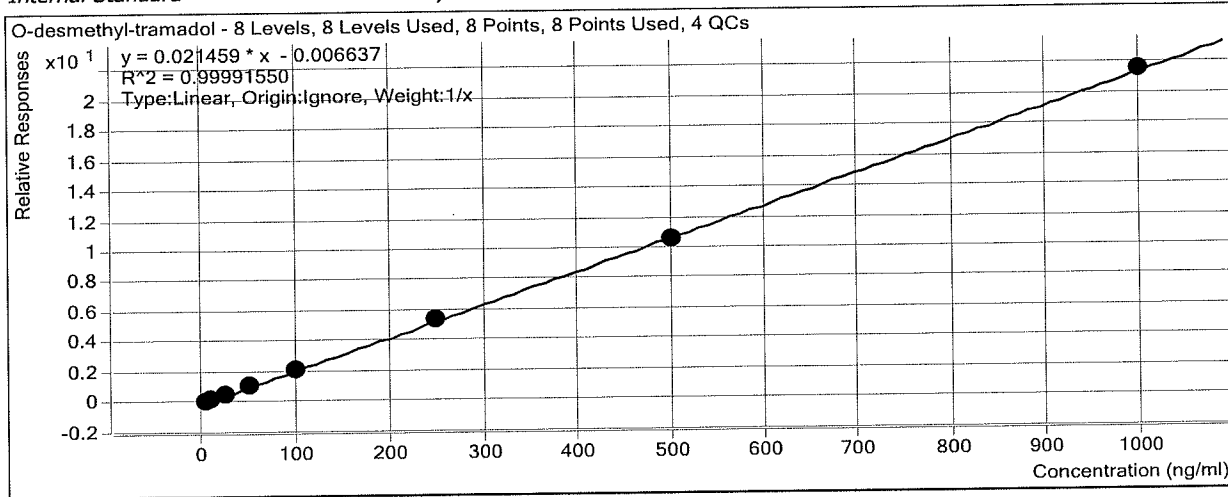
Batch Data Path
Last Calib Update

D:\2019 Data\011519 mdq\QuantResults\mdqp1b.batch.bin
1/16/2019 10:54 AM

Analyst Name

ISP TOX

Target Compound *O-desmethyl-tramadol*
Internal Standard *O-desmethyl-tramadol-D6*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	101.6
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	96.4
b QC 10	2	<input checked="" type="checkbox"/>	10	10.4	104.4
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.1	100.3
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.2	100.5
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.7	101.7
b qc 100	5	<input checked="" type="checkbox"/>	100	99.0	99.0
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	251.1	100.5
b QC 250	6	<input checked="" type="checkbox"/>	250	256.0	102.4
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	493.4	98.7
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1003.6	100.4
b qc 1000	8	<input checked="" type="checkbox"/>	1000	955.8	95.6

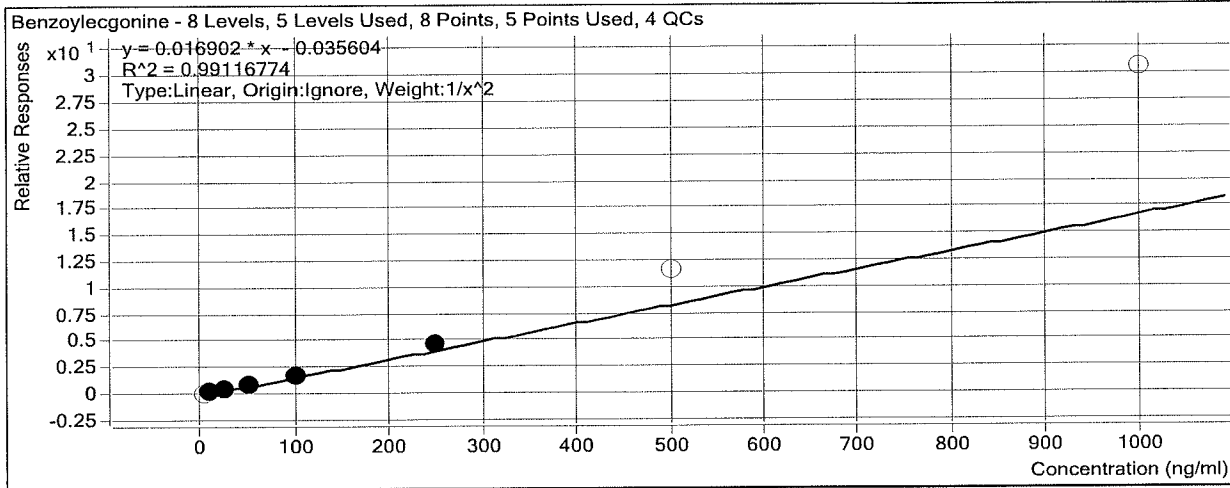
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2019 Data\011519 mdq\QuantResults\mdqp1b.batch.bin
1/16/2019 10:54 AM

Analyst Name ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input type="checkbox"/>	5	7.5	149.2
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.4	104.5
b QC 10	2	<input checked="" type="checkbox"/>	10	14.2	142.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.5	90.0
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.6	95.2
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.5	101.5
b qc 100	5	<input checked="" type="checkbox"/>	100	191.8	191.8
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	272.0	108.8
b QC 250	6	<input checked="" type="checkbox"/>	250	467.7	187.1
b cal 7-500ng	7	<input type="checkbox"/>	500	688.0	137.6
b cal 8-1000ng	8	<input type="checkbox"/>	1000	1813.0	181.3
b qc 1000	8	<input type="checkbox"/>	1000	4485.4	448.5

ISP Forensics Calibration Curve Report

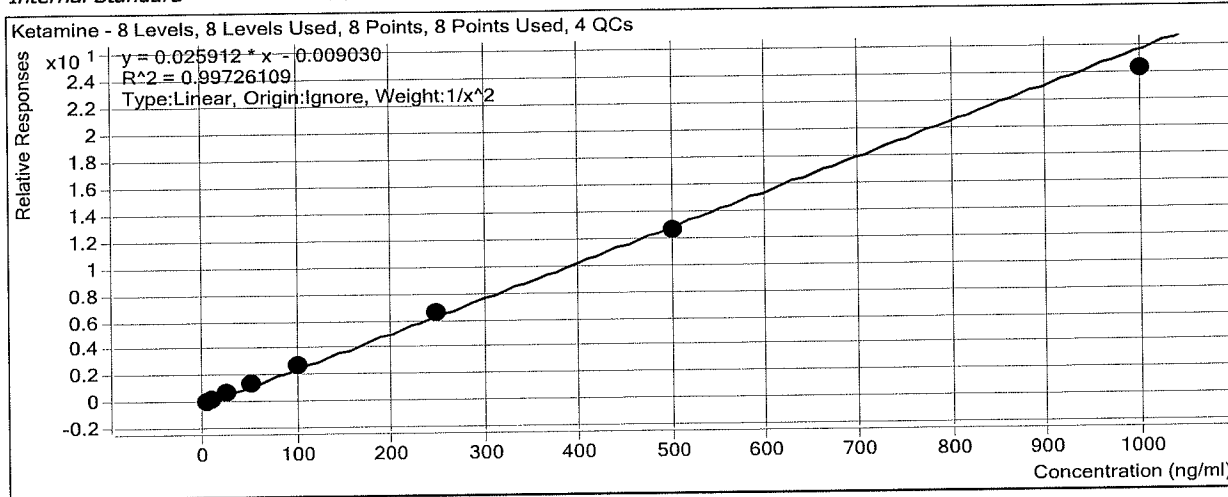
Batch Data Path
Last Calib Update

D:\2019 Data\011519 mdq\QuantResults\mdqp1b.batch.bin
1/16/2019 10:54 AM

Analyst Name

ISP TOX

Target Compound *Ketamine*
Internal Standard *Ketamine-D4*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	101.6
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.5	95.0
b QC 10	2	<input checked="" type="checkbox"/>	10	10.5	105.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.4	101.5
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.3	102.6
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	107.6	107.6
b qc 100	5	<input checked="" type="checkbox"/>	100	103.1	103.1
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	252.7	101.1
b QC 250	6	<input checked="" type="checkbox"/>	250	263.7	105.5
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	484.2	96.8
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	937.4	93.7
b qc 1000	8	<input checked="" type="checkbox"/>	1000	956.8	95.7

ISP Forensics Calibration Curve Report

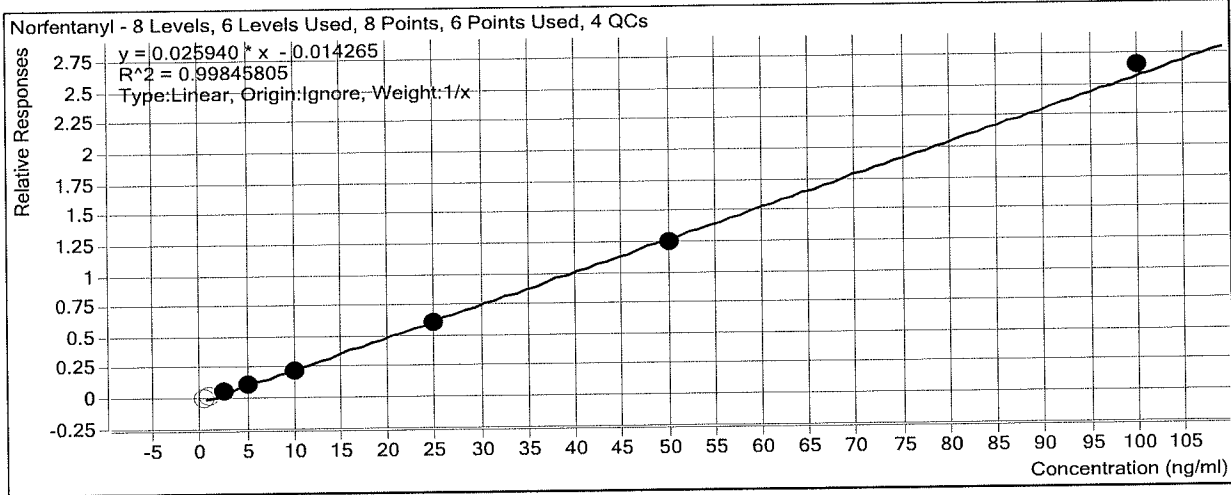
Batch Data Path
Last Calib Update

D:\2019 Data\011519 mdq\QuantResults\mdqp1b.batch.bin
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Analyst Name

ISP TOX

Target Compound *Norfentanyl*
Internal Standard *Norfentanyl-D5*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input type="checkbox"/>	0.5	0.9	188.3
b cal 2-10ng	2	<input type="checkbox"/>	1	1.4	139.4
b QC 10	2	<input checked="" type="checkbox"/>	1	1.4	138.5
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.8	111.3
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	5.0	99.2
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.4	93.8
b qc 100	5	<input checked="" type="checkbox"/>	10	9.4	94.3
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	23.8	95.3
b QC 250	6	<input checked="" type="checkbox"/>	25	23.7	94.7
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	48.9	97.7
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	102.7	102.7
b qc 1000	8	<input checked="" type="checkbox"/>	100	101.1	101.1

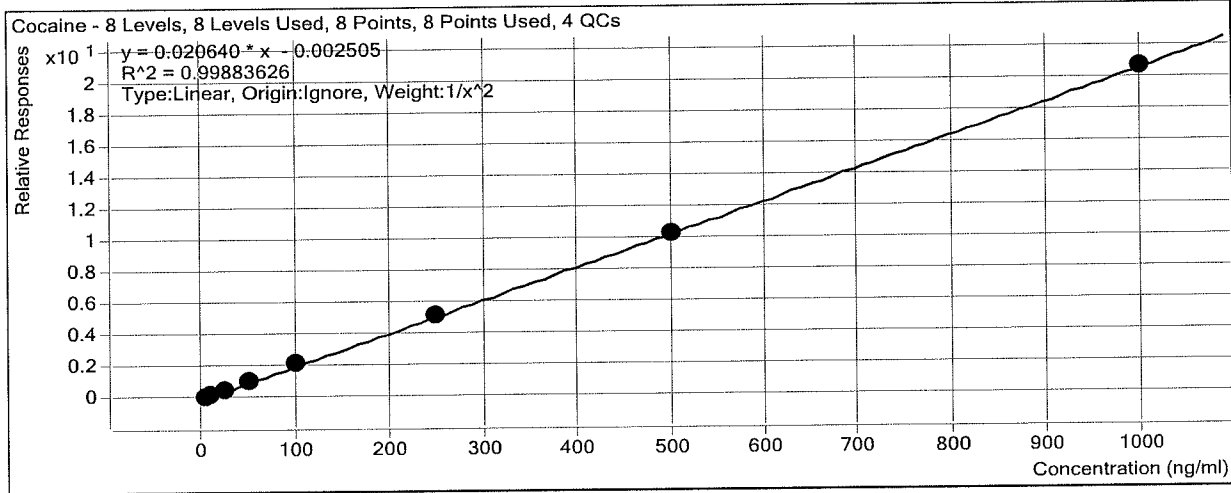
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2019 Data\011519 mdq\QuantResults\mdqp1b.batch.bin
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Analyst Name ISP TOX

Target Compound Cocaine
Internal Standard Cocaine-d3



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.8
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.4	93.8
b QC 10	2	<input checked="" type="checkbox"/>	10	9.8	98.1
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.0	100.2
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.5	100.9
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.7	103.7
b qc 100	5	<input checked="" type="checkbox"/>	100	99.2	99.2
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	248.3	99.3
b QC 250	6	<input checked="" type="checkbox"/>	250	256.7	102.7
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	497.1	99.4
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	998.8	99.9
b qc 1000	8	<input checked="" type="checkbox"/>	1000	971.7	97.2

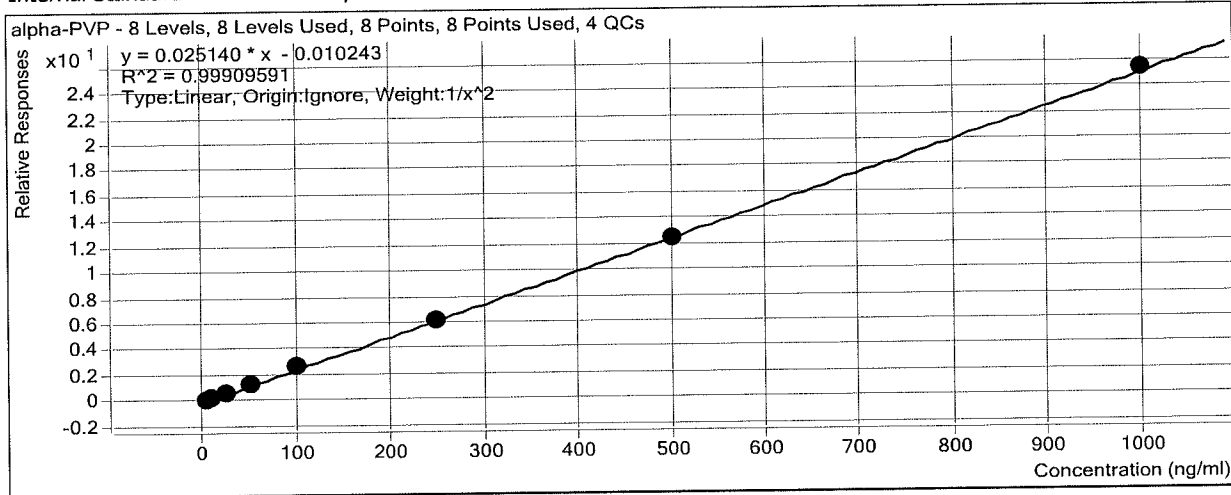
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2019 Data\011519 mdq\QuantResults\mdqp1b.batch.bin
1/16/2019 10:54 AM

Analyst Name ISP TOX

Target Compound *alpha-PVP*
Internal Standard *alpha-PVP-d8*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.1
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	95.5
b QC 10	2	<input checked="" type="checkbox"/>	10	10.0	100.5
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.8	99.4
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.7	101.3
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.6	103.6
b qc 100	5	<input checked="" type="checkbox"/>	100	102.1	102.1
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	243.1	97.2
b QC 250	6	<input checked="" type="checkbox"/>	250	259.1	103.7
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	499.8	100.0
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1009.0	100.9
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1002.6	100.3

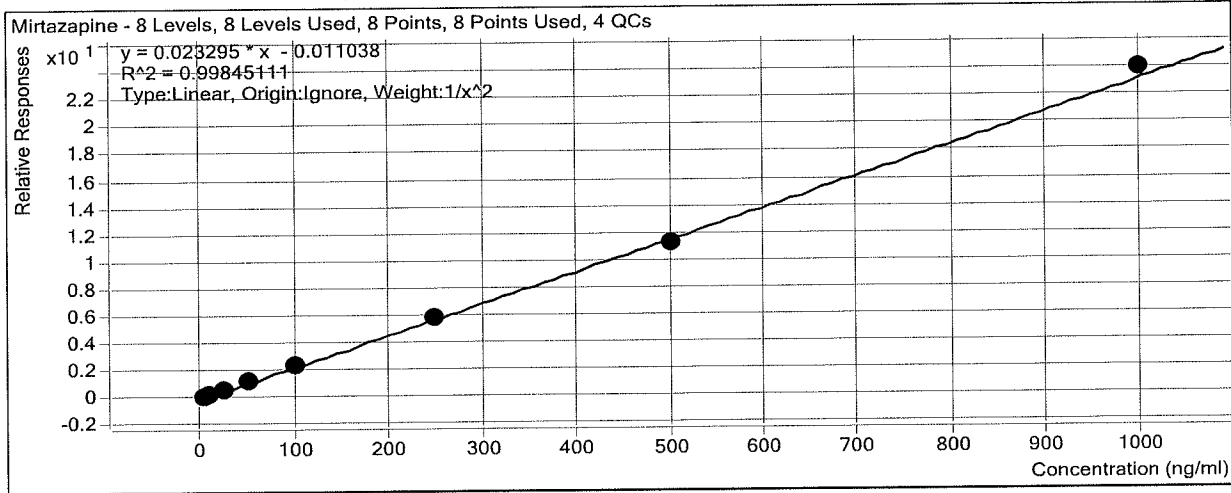
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2019 Data\011519 mdq\QuantResults\mdqp1b.batch.bin
1/16/2019 10:54 AM

Analyst Name ISP TOX

Target Compound *Mirtazapine*
Internal Standard *alpha-PVP-d8*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	103.2
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.3	93.0
b QC 10	2	<input checked="" type="checkbox"/>	10	10.7	107.1
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.0	99.9
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.8	101.5
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.5	102.5
b qc 100	5	<input checked="" type="checkbox"/>	100	106.4	106.4
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	247.8	99.1
b QC 250	6	<input checked="" type="checkbox"/>	250	281.3	112.5
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	488.7	97.7
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1029.2	102.9
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1060.5	106.0

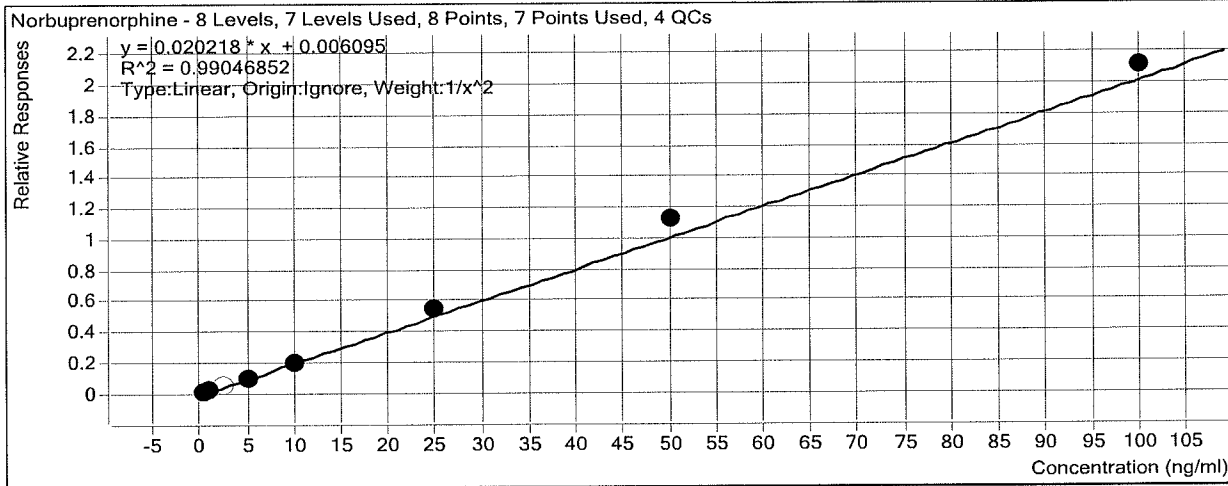
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2019 Data\011519 mdq\QuantResults\mdqp1b.batch.bin
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Analyst Name ISP TOX

Target Compound *Norbuprenorphine*
Internal Standard *Norbuprenorphine-D3*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	0.5	0.5	103.2
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.0	96.7
b QC 10	2	<input checked="" type="checkbox"/>	1	0.9	86.2
b cal 3-25ng	3	<input type="checkbox"/>	2.5	2.1	84.0
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.3	86.0
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.3	92.6
b qc 100	5	<input checked="" type="checkbox"/>	10	10.2	102.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	26.5	106.0
b QC 250	6	<input checked="" type="checkbox"/>	25	28.3	113.1
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	55.7	111.4
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	104.1	104.1
b qc 1000	8	<input checked="" type="checkbox"/>	100	115.3	115.3

- dropped peaks cutoff A

ISP Forensics Calibration Curve Report

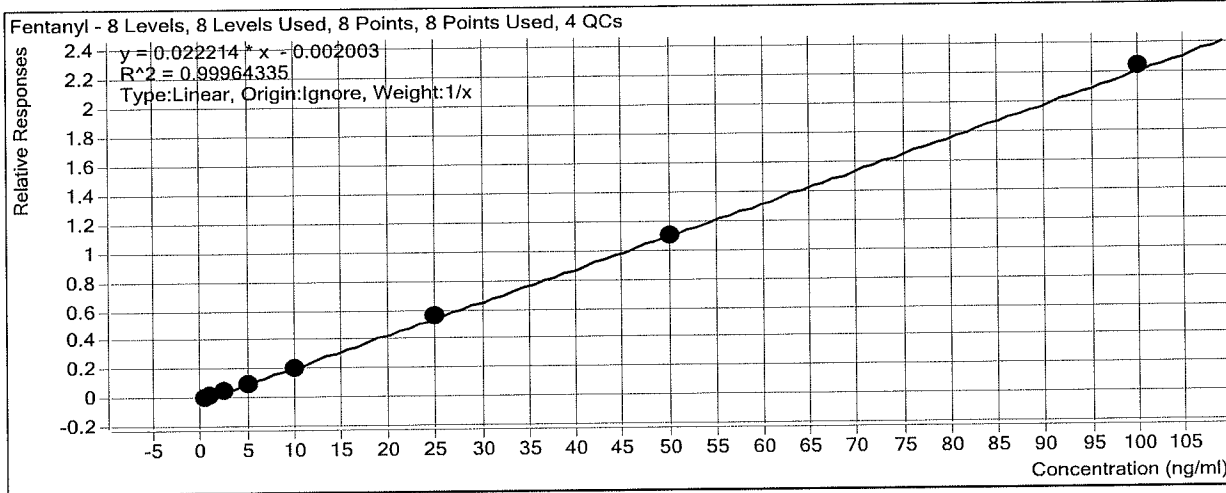
Batch Data Path
Last Calib Update

D:\2019 Data\011519 mdq\QuantResults\mdqp1b.batch.bin
1/16/2019 10:54 AM

Analyst Name

ISP TOX

Target Compound *Fentanyl*
Internal Standard *Fentanyl-D5*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	0.5	0.6	115.2
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	0.9	94.9
b QC 10	2	<input checked="" type="checkbox"/>	1	1.0	98.8
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.5	99.3
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.7	93.6
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.6	96.5
b qc 100	5	<input checked="" type="checkbox"/>	10	9.6	96.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	25.1	100.5
b QC 250	6	<input checked="" type="checkbox"/>	25	24.8	99.4
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	49.5	99.0
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	101.0	101.0
b qc 1000	8	<input checked="" type="checkbox"/>	100	106.1	106.1

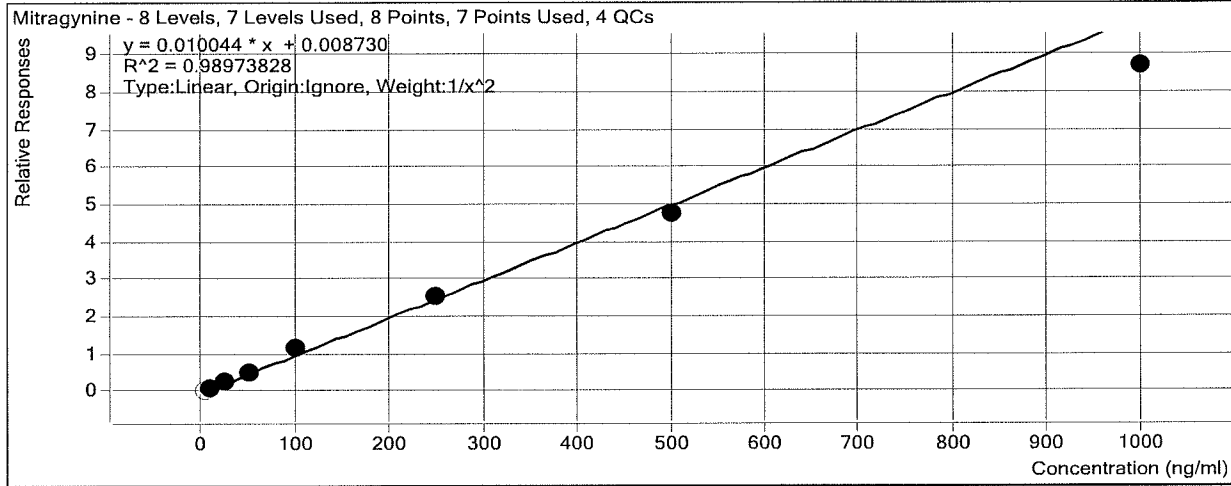
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

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Analyst Name ISP TOX

Target Compound *Mitragynine*
Internal Standard *Quetiapine-D8*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input type="checkbox"/>	5	3.4	67.7
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	96.9
b QC 10	2	<input checked="" type="checkbox"/>	10	9.9	98.9
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.8	103.0
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.4	102.7
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	114.9	114.9
b qc 100	5	<input checked="" type="checkbox"/>	100	97.6	97.6
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	252.5	101.0
b QC 250	6	<input checked="" type="checkbox"/>	250	244.3	97.7
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	474.8	95.0
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	864.4	86.4
b qc 1000	8	<input type="checkbox"/>	1000	791.0	79.1

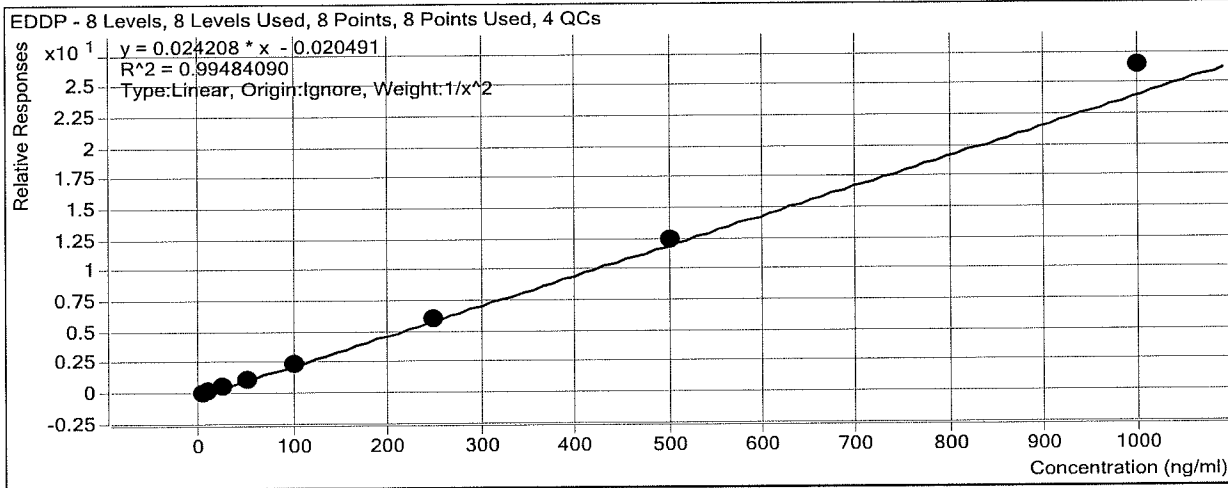
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2019 Data\011519 mdq\QuantResults\mdqp1b.batch.bin
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Analyst Name ISP TOX

Target Compound *EDDP*
Internal Standard *EDDP-D3*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.5
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	98.1
b QC 10	2	<input checked="" type="checkbox"/>	10	10.7	107.3
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.5	98.0
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	43.7	87.4
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.6	99.6
b qc 100	5	<input checked="" type="checkbox"/>	100	96.5	96.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	254.6	101.8
b QC 250	6	<input checked="" type="checkbox"/>	250	246.9	98.7
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	515.8	103.2
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1093.8	109.4
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1063.4	106.3

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2019 Data\011519 mdq\QuantResults\mdqp1b.batch.bin
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Analyst Name

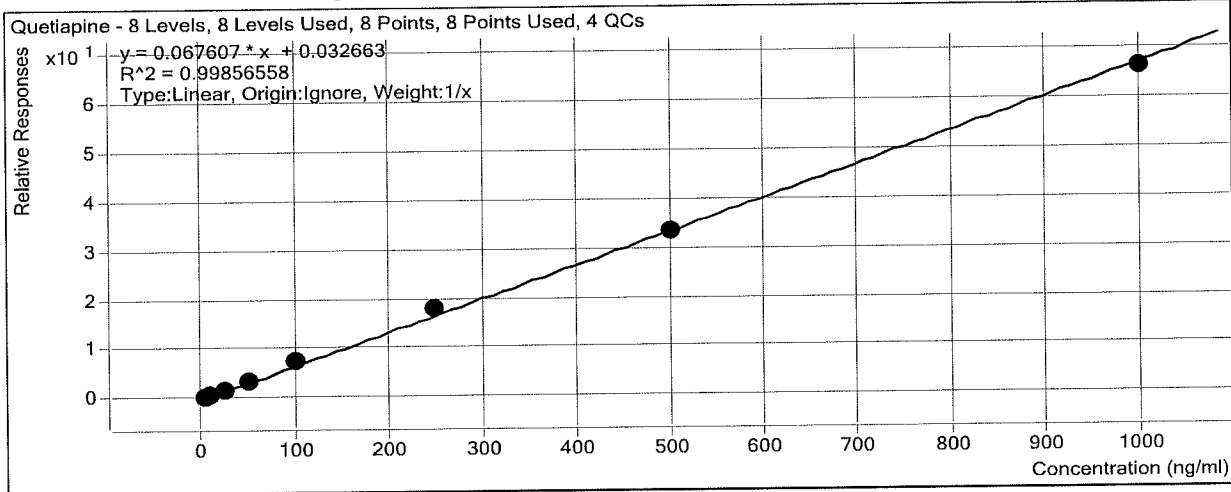
ISP TOX

Target Compound

Quetiapine

Internal Standard

Quetiapine-D8



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.6	92.7
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.3	93.0
b QC 10	2	<input checked="" type="checkbox"/>	10	9.9	99.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.0	99.9
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.0	102.1
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	108.6	108.6
b qc 100	5	<input checked="" type="checkbox"/>	100	107.0	107.0
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	267.7	107.1
b QC 250	6	<input checked="" type="checkbox"/>	250	265.7	106.3
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	493.1	98.6
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	980.7	98.1
b qc 1000	8	<input checked="" type="checkbox"/>	1000	968.9	96.9

ISP Forensics Calibration Curve Report

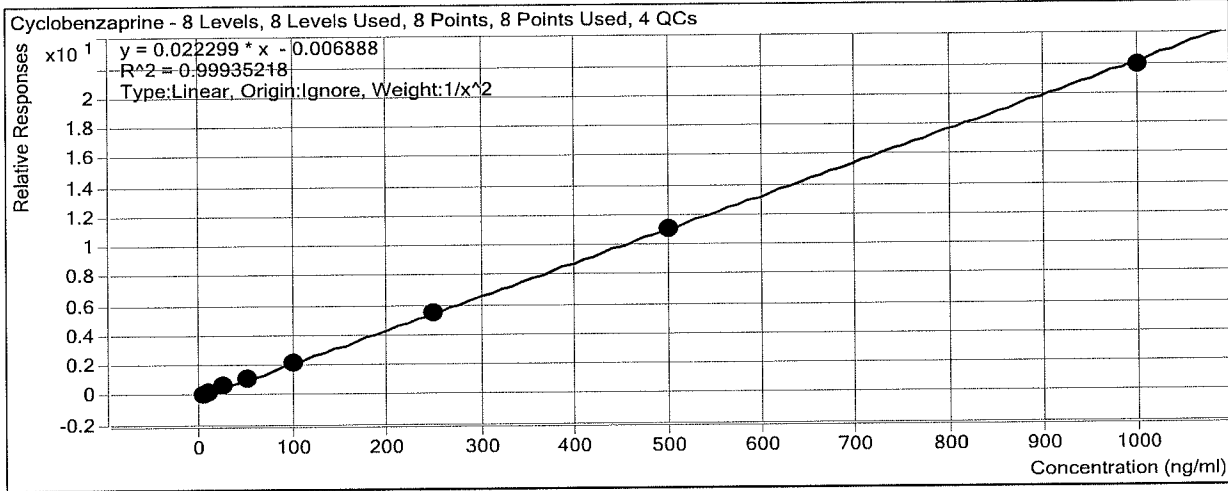
Batch Data Path
Last Calib Update

D:\2019 Data\011519 mdq\QuantResults\mdqp1b.batch.bin
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Analyst Name

ISP TOX

Target Compound *Cyclobenzaprine*
Internal Standard *Cyclobenzaprine-D3*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	99.7
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	98.5
b QC 10	2	<input checked="" type="checkbox"/>	10	9.8	97.9
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.2	104.8
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.8	101.5
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.4	98.4
b qc 100	5	<input checked="" type="checkbox"/>	100	98.3	98.3
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	247.8	99.1
b QC 250	6	<input checked="" type="checkbox"/>	250	246.1	98.4
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	498.8	99.8
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	981.0	98.1
b qc 1000	8	<input checked="" type="checkbox"/>	1000	842.3	84.2

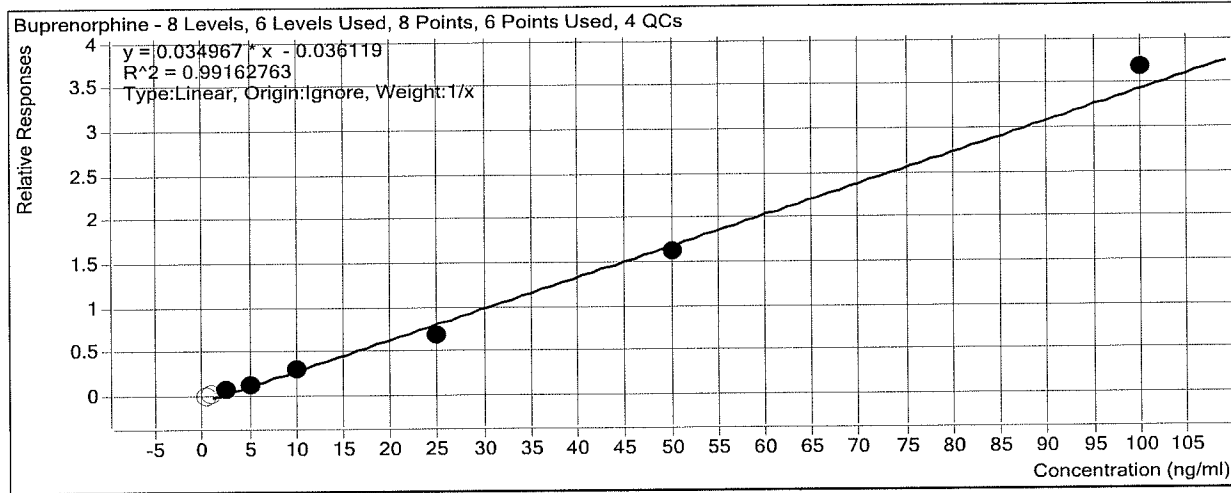
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2019 Data\011519 mdq\QuantResults\mdqp1b.batch.bin
1/16/2019 10:54 AM

Analyst Name ISP TOX

Target Compound *Buprenorphine*
Internal Standard *Buprenorphine-D4*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input type="checkbox"/>	0.5	1.4	279.9
b cal 2-10ng	2	<input type="checkbox"/>	1	1.7	174.0
b QC 10	2	<input checked="" type="checkbox"/>	1	1.9	189.1
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	3.0	119.8
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.9	98.3
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.6	96.1
b qc 100	5	<input checked="" type="checkbox"/>	10	9.3	92.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	20.9	83.8
b QC 250	6	<input checked="" type="checkbox"/>	25	24.2	96.9
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	47.9	95.8
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	106.1	106.1
b qc 1000	8	<input type="checkbox"/>	100	121.8	121.8

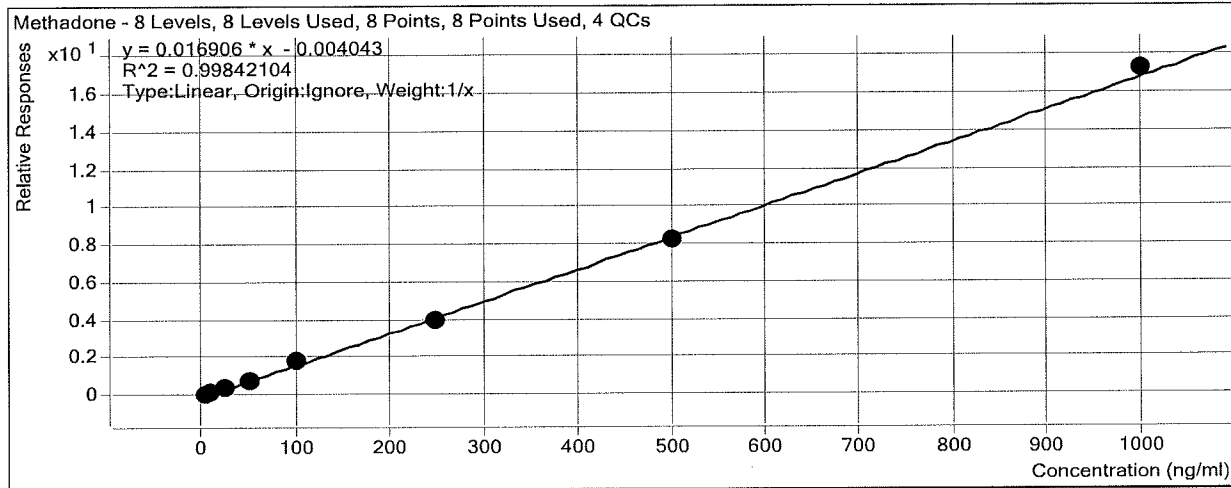
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2019 Data\011519 mdq\QuantResults\mdqp1b.batch.bin
1/16/2019 10:54 AM

Analyst Name ISP TOX

Target Compound *Methodone*
Internal Standard *Methodone-D9*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.3
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	101.0
b QC 10	2	<input checked="" type="checkbox"/>	10	10.3	102.7
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.1	104.3
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.2	92.5
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	108.5	108.5
b qc 100	5	<input checked="" type="checkbox"/>	100	95.1	95.1
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	233.4	93.4
b QC 250	6	<input checked="" type="checkbox"/>	250	257.4	103.0
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	489.8	98.0
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1020.9	102.1
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1012.0	101.2

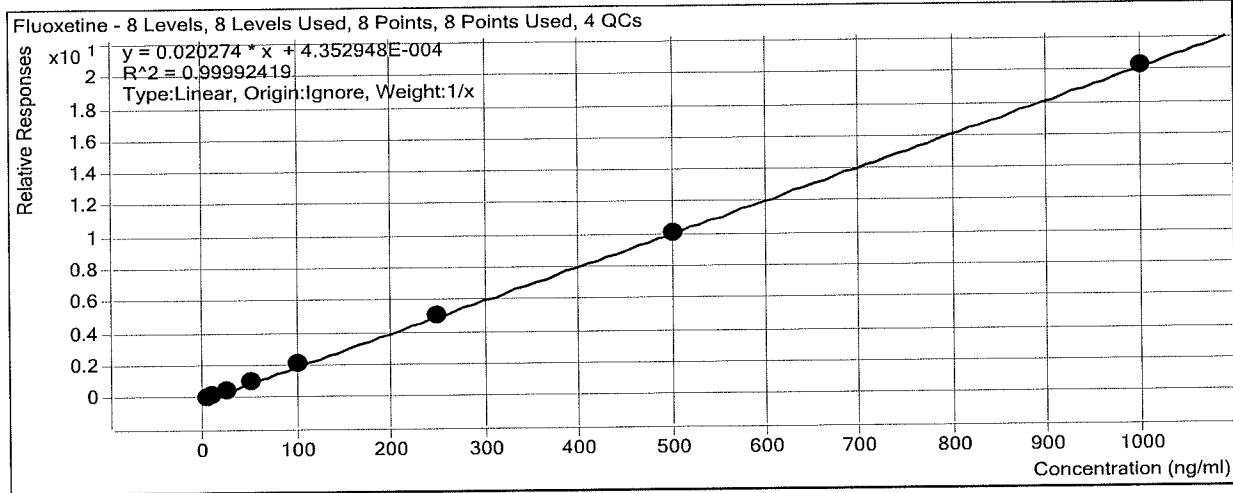
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2019 Data\011519 mdq\QuantResults\mdqp1b.batch.bin
1/16/2019 10:54 AM

Analyst Name ISP TOX

Target Compound *Fluoxetine*
Internal Standard *Fluoxetine-D6*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.9	98.2
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	97.8
b QC 10	2	<input checked="" type="checkbox"/>	10	10.0	100.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.6	102.5
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.6	99.2
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.1	103.1
b qc 100	5	<input checked="" type="checkbox"/>	100	99.1	99.1
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	248.2	99.3
b QC 250	6	<input checked="" type="checkbox"/>	250	259.5	103.8
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	499.9	100.0
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	998.9	99.9
b qc 1000	8	<input checked="" type="checkbox"/>	1000	905.5	90.6

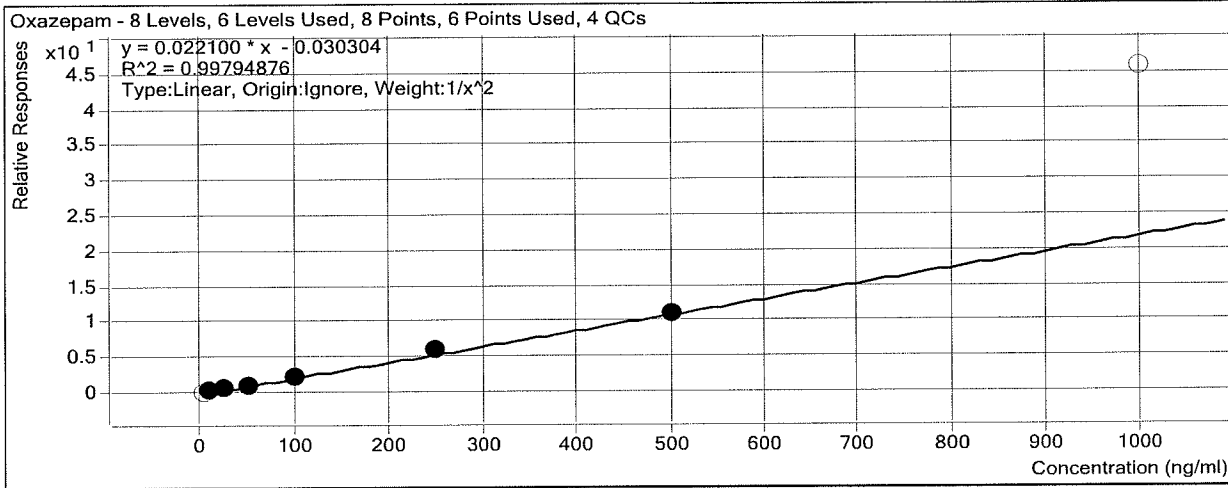
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2019 Data\011519 mdq\QuantResults\mdqp1b.batch.bin
1/16/2019 10:54 AM

Analyst Name ISP TOX

Target Compound Oxazepam
Internal Standard Oxazepam-D5



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input type="checkbox"/>	5	6.2	123.1
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.2	102.1
b QC 10	2	<input checked="" type="checkbox"/>	10	11.6	115.9
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.0	96.2
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.1	96.3
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.8	99.8
b qc 100	5	<input checked="" type="checkbox"/>	100	108.5	108.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	265.4	106.1
b QC 250	6	<input checked="" type="checkbox"/>	250	227.8	91.1
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	497.9	99.6
b cal 8-1000ng	8	<input type="checkbox"/>	1000	2070.3	207.0
b qc 1000	8	<input checked="" type="checkbox"/>	1000	953.3	95.3

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

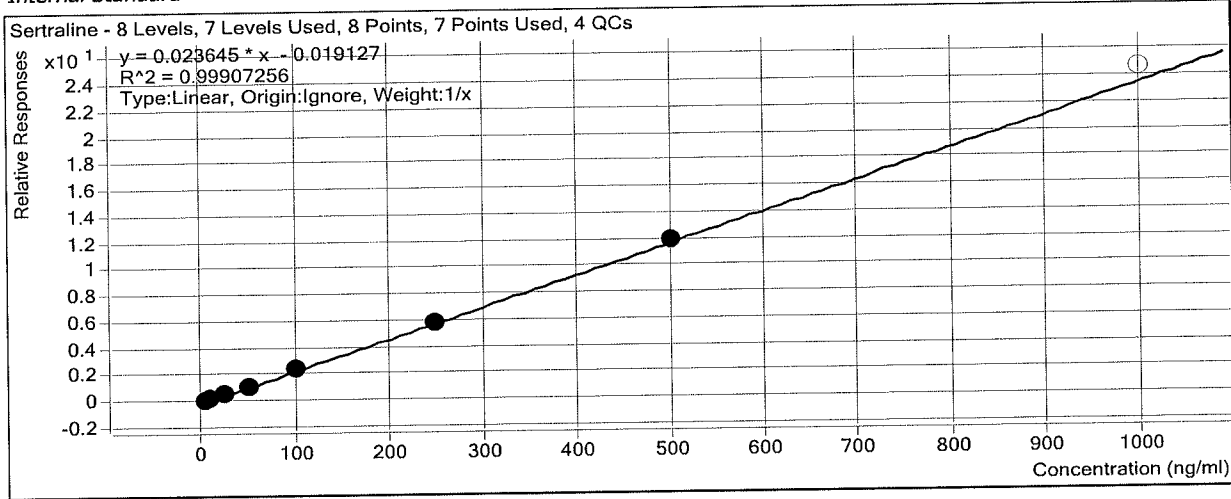
D:\2019 Data\011519 mdq\QuantResults\mdqp1b.batch.bin
1/16/2019 10:54 AM

Analyst Name

ISP TOX

Target Compound
Internal Standard

Sertraline
Sertraline-D3



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.3	106.9
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	99.0
b QC 10	2	<input checked="" type="checkbox"/>	10	10.3	102.9
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.8	103.1
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	45.4	90.7
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.9	100.9
b qc 100	5	<input checked="" type="checkbox"/>	100	111.8	111.8
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	244.4	97.7
b QC 250	6	<input checked="" type="checkbox"/>	250	259.2	103.7
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	508.4	101.7
b cal 8-1000ng	8	<input type="checkbox"/>	1000	1043.0	104.3
b qc 1000	8	<input type="checkbox"/>	1000	1006.3	100.6

ISP Forensics Calibration Curve Report

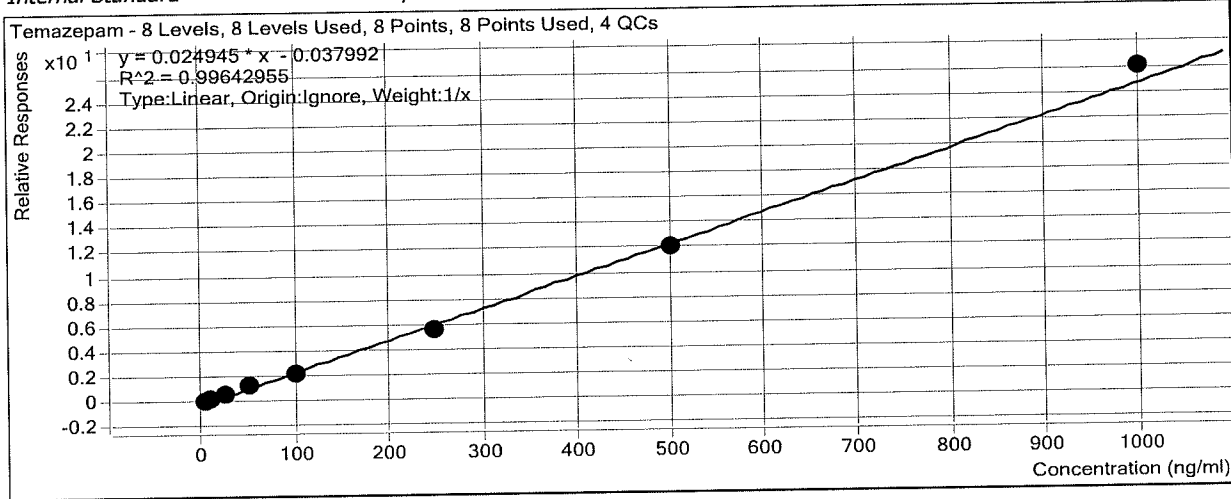
Batch Data Path
Last Calib Update

D:\2019 Data\011519 mdq\QuantResults\mdqp1b.batch.bin
1/16/2019 10:54 AM

Analyst Name

ISP TOX

Target Compound *Temazepam*
Internal Standard *Temazepam-D5*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	6.0	120.2
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.5	94.6
b QC 10	2	<input checked="" type="checkbox"/>	10	10.3	103.4
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.3	101.1
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.4	102.9
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	89.0	89.0
b qc 100	5	<input checked="" type="checkbox"/>	100	86.0	86.0
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	224.6	89.8
b QC 250	6	<input checked="" type="checkbox"/>	250	217.2	86.9
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	489.0	97.8
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1045.2	104.5
b qc 1000	8	<input checked="" type="checkbox"/>	1000	942.9	94.3

ISP Forensics Calibration Curve Report

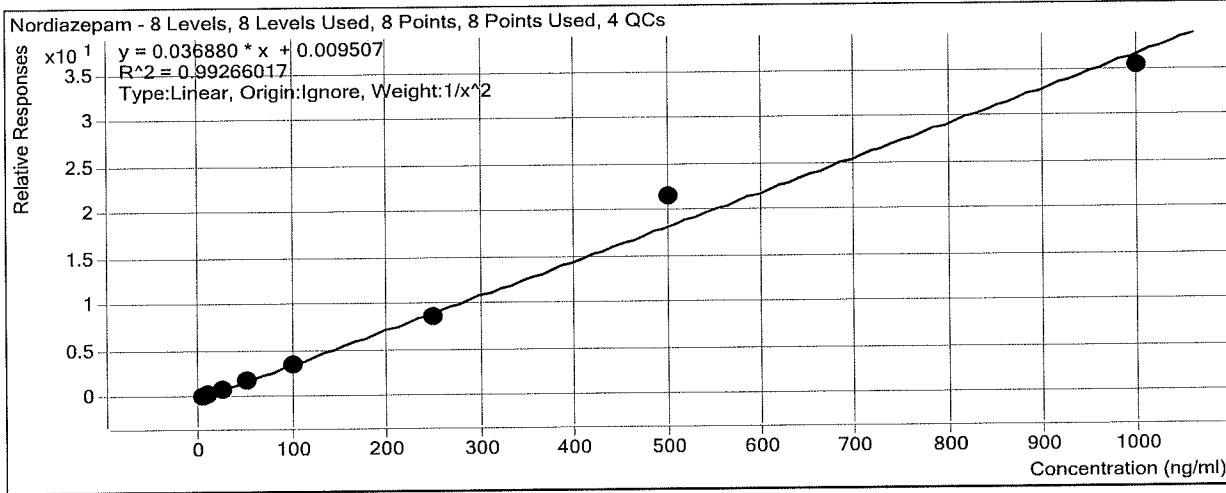
Batch Data Path
Last Calib Update

D:\2019 Data\011519 mdq\QuantResults\mdqp1b.batch.bin
1/16/2019 10:54 AM

Analyst Name

ISP TOX

Target Compound *Nordiazepam*
Internal Standard *Nordiazepam-D5*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	101.7
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	98.7
b QC 10	2	<input checked="" type="checkbox"/>	10	10.5	104.6
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.9	95.7
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.7	99.4
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.2	97.2
b qc 100	5	<input checked="" type="checkbox"/>	100	106.7	106.7
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	234.9	94.0
b QC 250	6	<input checked="" type="checkbox"/>	250	267.1	106.8
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	587.4	117.5
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	958.7	95.9
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1070.1	107.0

ISP Forensics Calibration Curve Report

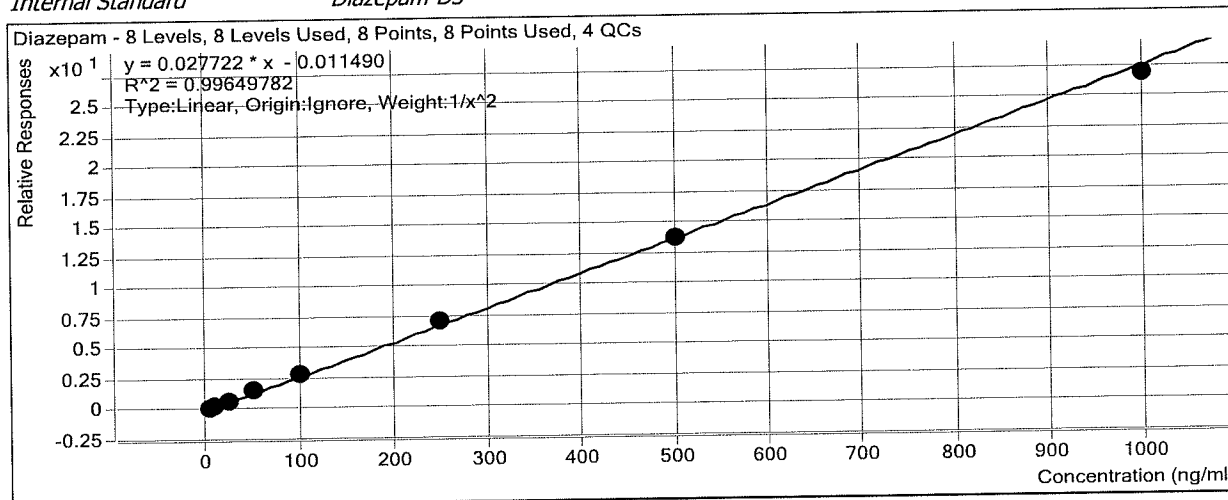
Batch Data Path
Last Calib Update

D:\2019 Data\011519 mdq\QuantResults\mdqp1b.batch.bin
1/16/2019 10:54 AM

Analyst Name

ISP TOX

Target Compound *Diazepam*
Internal Standard *Diazepam-D5*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	104.5
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.0	90.2
b QC 10	2	<input checked="" type="checkbox"/>	10	9.3	93.3
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.5	98.1
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	53.2	106.5
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.3	100.3
b qc 100	5	<input checked="" type="checkbox"/>	100	101.6	101.6
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	259.3	103.7
b QC 250	6	<input checked="" type="checkbox"/>	250	250.7	100.3
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	499.0	99.8
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	968.8	96.9
b qc 1000	8	<input checked="" type="checkbox"/>	1000	949.5	94.9

ISP FORENSICS - Cd'A Instrument # 62340

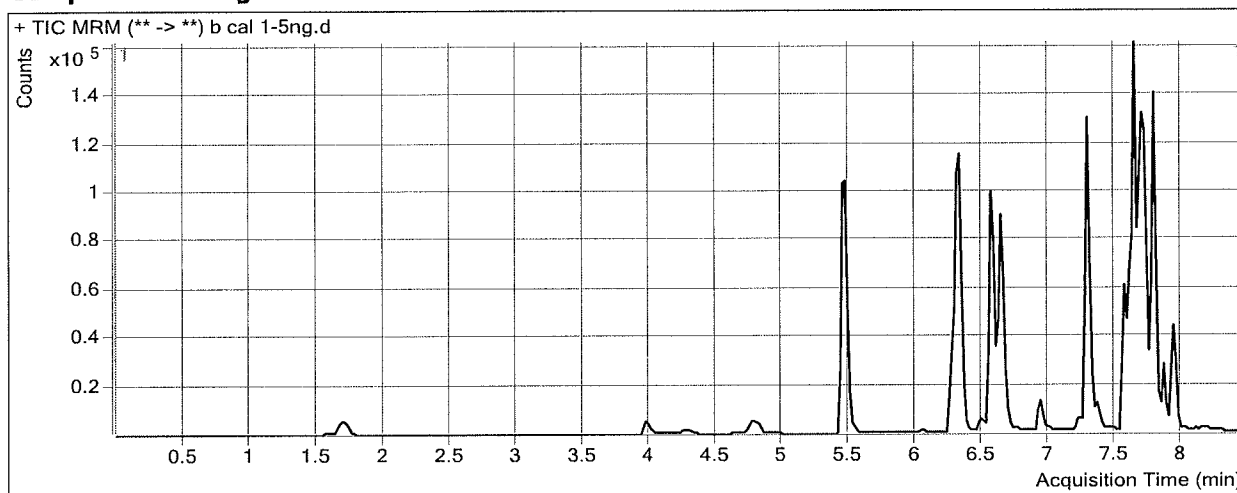
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2019 Data\011519 mdq\QuantResults\mdqp1b.batch.bin
Analysis Time 1/16/2019 10:54 AM **Analyst Name** ISP Tox
Report Time 1/16/2019 11:21 AM **Reporter Name** ISP Tox
Last Calib Update 1/16/2019 10:54 AM **Batch State** Processed

Analysis Info

Acq Time 2019-01-15 15:24 **Data File** b cal 1-5ng.d
Sample Type Calibration **Sample Name** b cal 1-5ng
Dilution 1 **Acq Method** b1 mdq 618.m
Position P2-A1 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.708	3234	29339	0.1102	5.3558
Noroxycodone	Noroxycodone-D3	4.838	3293	26860	0.1226	5.5422
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.479	34664	338648	0.1024	5.0792
Benzoylcegonine	Benzoylcegonine-d8	6.072	287	3172	0.0905	7.4593
Ketamine	Ketamine-D4	6.299	15204	124026	0.1226	5.0793
Norfentanyl	Norfentanyl-D5	6.342	3079	303152	0.0102	0.9415
Cocaine	Cocaine-d3	6.549	29881	288440	0.1036	5.1405
alpha-PVP	alpha-PVP-d8	6.646	27503	232905	0.1181	5.1046
Mirtazapine	alpha-PVP-d8	6.942	25437	232905	0.1092	5.1623
Norbuprenorphine	Norbuprenorphine-D3	7.233	233	14073	0.0165	0.5159
Fentanyl	Fentanyl-D5	7.277	3577	331405	0.0108	0.5761
Mitragynine	Quetiapine-D8	7.354	5071	118649	0.0427	3.3861
EDDP	EDDP-D3	7.366	1555	15016	0.1036	5.1255
Quetiapine	Quetiapine-D8	7.577	41059	118649	0.3461	4.6355
Cyclobenzaprine	Cyclobenzaprine-D3	7.630	14304	137138	0.1043	4.9865
Buprenorphine	Buprenorphine-D4	7.815	733	57218	0.0128	1.3993
Methadone	Methadone-D9	7.641	21040	260588	0.0807	5.0151
Fluoxetine	Fluoxetine-D6	7.702	29142	291340	0.1000	4.9122
Oxazepam	Oxazepam-D5	7.748	8233	77848	0.1058	6.1565
Sertraline	Sertraline-D3	7.764	5318	49600	0.1072	5.3432
Temazepam	Temazepam-D5	7.786	20594	183894	0.1120	6.0124
Nordiazepam	Nordiazepam-D5	7.874	8010	40659	0.1970	5.0842
Diazepam	Diazepam-D5	7.949	10086	75596	0.1334	5.2275

ISP FORENSICS - Cd'A Instrument # 62340

Multi-Drug Confirmatory Analysis Report

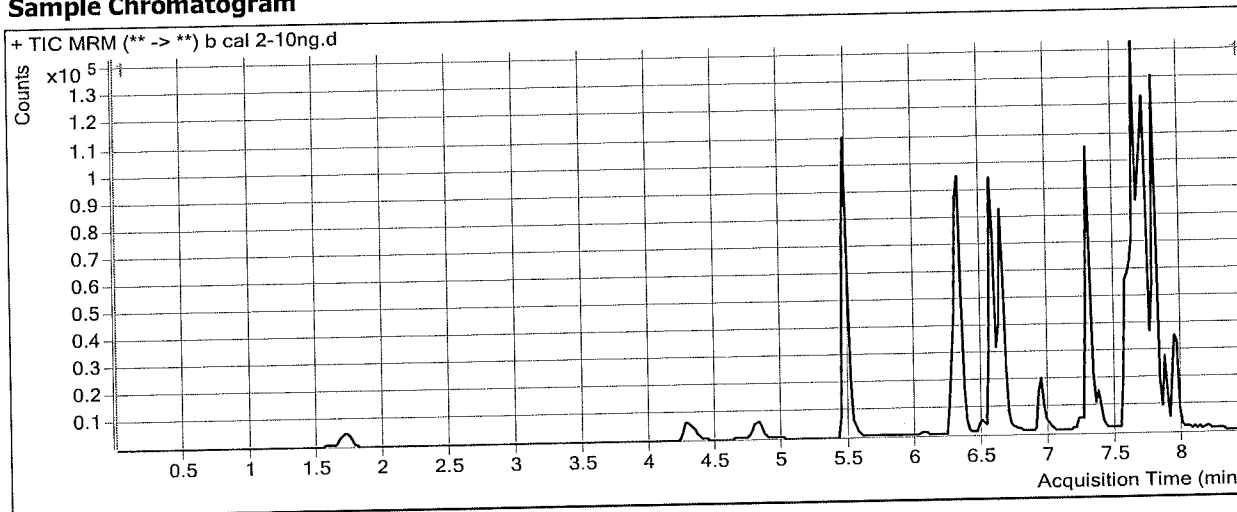
11b cal 1 A

Batch Data Path	D:\2019 Data\011519 mdq\QuantResults\mdqp1b.batch.bin		
Analysis Time	1/16/2019 10:54 AM	Analyst Name	ISP Tox
Report Time	1/16/2019 11:21 AM	Reporter Name	ISP Tox
Last Calib Update	1/16/2019 10:54 AM	Batch State	Processed

Analysis Info

Acq Time	2019-01-15 15:50	Data File	b cal 2-10ng.d
Sample Type	Calibration	Sample Name	b cal 2-10ng
Dilution	1	Acq Method	b1 mdq 618.m
Position	P2-B1	Sample Info	
Inj Vol	-1	Comment	AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.728	5345	25311	0.2112	9.6783
Dihydrocodeine	Dihydrocodeine-D6	4.351	5915	29643	0.1996	8.1008
Noroxycodone	Noroxycodone-D3	4.838	5204	23165	0.2246	9.5789
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.479	57195	285627	0.2002	9.6405
Benzoylcegonine	Benzoylcegonine-d8	6.072	380	2693	0.1410	10.4457
Ketamine	Ketamine-D4	6.299	24323	102550	0.2372	9.5018
Norfentanyl	Norfentanyl-D5	6.342	5071	231495	0.0219	1.3943
Cocaine	Cocaine-d3	6.549	46411	242870	0.1911	9.3799
alpha-PVP	alpha-PVP-d8	6.646	42353	184187	0.2299	9.5541
Mirtazapine	alpha-PVP-d8	6.942	37890	184187	0.2057	9.3048
Norbuprenorphine	Norbuprenorphine-D3	7.233	290	11317	0.0256	0.9669
Fentanyl	Fentanyl-D5	7.296	5157	270320	0.0191	0.9489
Mitragynine	Quetiapine-D8	7.354	10059	94804	0.1061	9.6944
EDDP	EDDP-D3	7.366	2953	13607	0.2170	9.8102
Quetiapine	Quetiapine-D8	7.577	62673	94804	0.6611	9.2951
Cyclobenzaprine	Cyclobenzaprine-D3	7.630	23580	110784	0.2128	9.8542
Buprenorphine	Buprenorphine-D4	7.835	1083	43813	0.0247	1.7396
Methadone	Methadone-D9	7.641	34544	207234	0.1667	10.0990
Fluoxetine	Fluoxetine-D6	7.702	50121	252223	0.1987	9.7800
Oxazepam	Oxazepam-D5	7.728	14074	72085	0.1952	10.2060
Sertraline	Sertraline-D3	7.764	11113	51676	0.2151	9.9041
Temazepam	Temazepam-D5	7.806	31208	157608	0.1980	9.4610
Nordiazepam	Nordiazepam-D5	7.874	12452	33347	0.3734	9.8669

[Signature]

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

Pl b cal 2

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Diazepam	Diazepam-D5	7.949	15004	62880	0.2386	9.0221



ISP FORENSICS - Cd'A Instrument # 62340

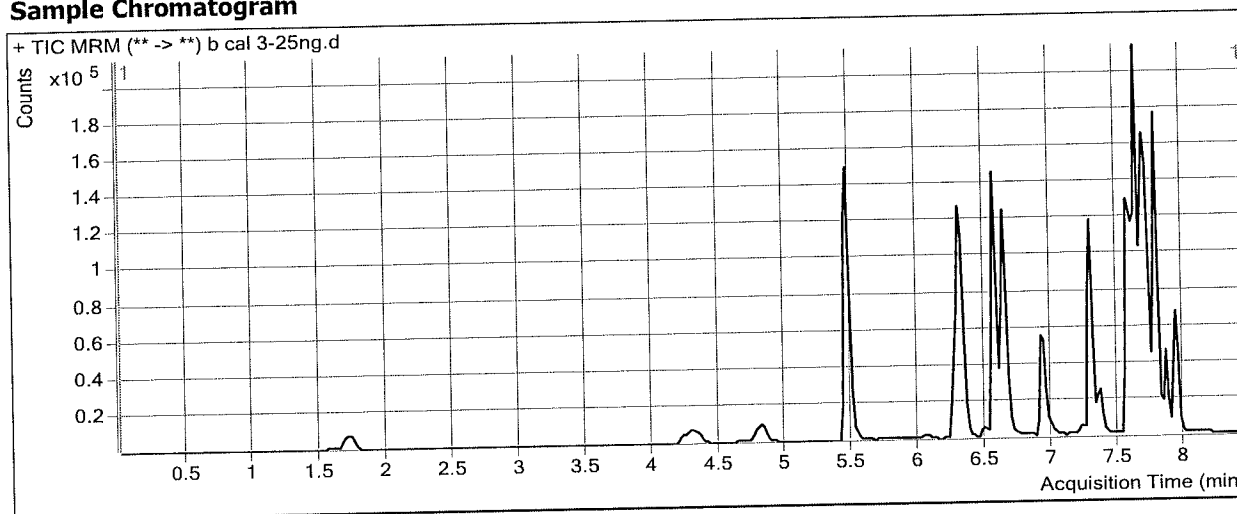
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2019 Data\011519 mdq\QuantResults\mdqp1b.batch.bin	Analyst Name	ISP Tox
Analysis Time	1/16/2019 10:54 AM	Reporter Name	ISP Tox
Report Time	1/16/2019 11:21 AM	Batch State	Processed
Last Calib Update	1/16/2019 10:54 AM		

Analysis Info

Acq Time	2019-01-15 16:15	Data File	b cal 3-25ng.d
Sample Type	Calibration	Sample Name	b cal 3-25ng
Dilution	1	Acq Method	b1 mdq 618.m
Position	P2-C1	Sample Info	
Inj Vol	-1	Comment	AM 28 Panel 1

Sample Chromatogram



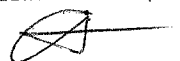
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.728	15549	28037	0.5546	24.3848
Dihydrocodeine	Dihydrocodeine-D6	4.331	16768	33021	0.5078	23.5765
Noroxycodone	Noroxycodone-D3	4.838	14493	25409	0.5704	23.2538
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.479	166364	313090	0.5314	25.0705
Benzoylcegonine	Benzoylcegonine-d8	6.072	1075	3118	0.3446	22.4953
Ketamine	Ketamine-D4	6.299	72629	111965	0.6487	25.3826
Norfentanyl	Norfentanyl-D5	6.342	15221	262821	0.0579	2.7825
Cocaine	Cocaine-d3	6.549	135454	263349	0.5144	25.0416
alpha-PVP	alpha-PVP-d8	6.646	123132	200394	0.6145	24.8484
Mirtazapine	alpha-PVP-d8	6.942	114359	200394	0.5707	24.9714
Norbuprenorphine	Norbuprenorphine-D3	7.233	534	11001	0.0486	2.1009
Fentanyl	Fentanyl-D5	7.277	15876	298832	0.0531	2.4817
Mitragynine	Quetiapine-D8	7.354	29297	109532	0.2675	25.7612
EDDP	EDDP-D3	7.366	7072	12348	0.5727	24.5044
Quetiapine	Quetiapine-D8	7.577	188609	109532	1.7220	24.9870
Cyclobenzaprine	Cyclobenzaprine-D3	7.610	65752	113929	0.5771	26.1907
Buprenorphine	Buprenorphine-D4	7.815	3228	47039	0.0686	2.9954
Methadone	Methadone-D9	7.641	93726	214567	0.4368	26.0772
Fluoxetine	Fluoxetine-D6	7.702	132516	254749	0.5202	25.6359
Oxazepam	Oxazepam-D5	7.728	38049	75930	0.5011	24.0455
Sertraline	Sertraline-D3	7.764	28685	48616	0.5900	25.7637
Temazepam	Temazepam-D5	7.786	94133	158930	0.5923	25.2670
Nordiazepam	Nordiazepam-D5	7.874	32300	36199	0.8923	23.9368

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

Pl b cal 3

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Diazepam	Diazepam-D5	7.928	46303	69262	0.6685	24.5296



ISP FORENSICS - Cd'A Instrument # 62340

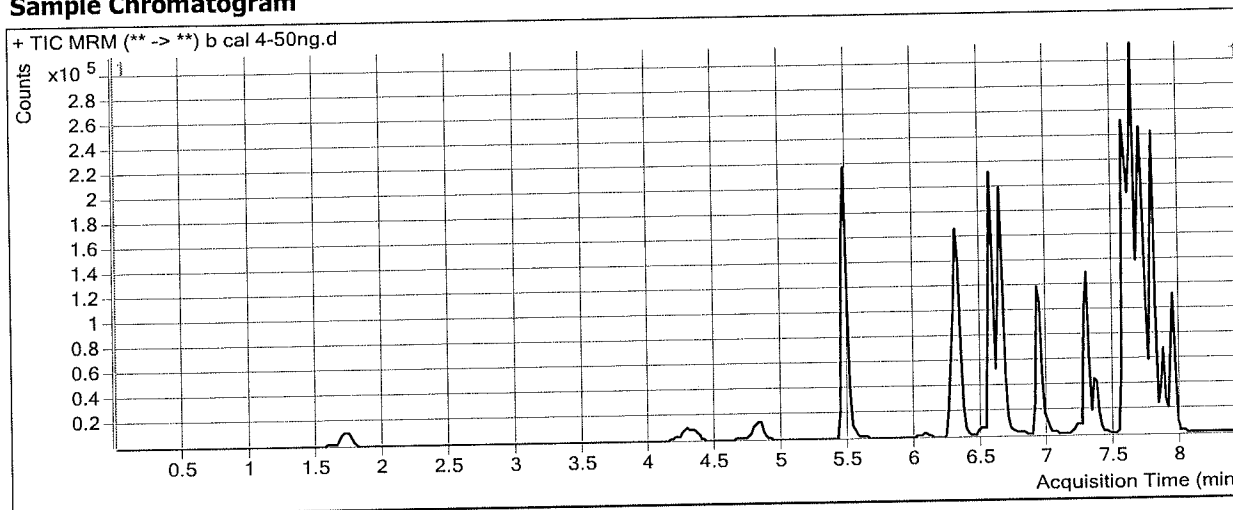
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2019 Data\011519 mdq\QuantResults\mdqp1b.batch.bin
Analysis Time 1/16/2019 10:54 AM **Analyst Name** ISP Tox
Report Time 1/16/2019 11:21 AM **Reporter Name** ISP Tox
Last Calib Update 1/16/2019 10:54 AM **Batch State** Processed

Analysis Info

Acq Time 2019-01-15 16:41 **Data File** b cal 4-50ng.d
Sample Type Calibration **Sample Name** b cal 4-50ng
Dilution 1 **Acq Method** b1 mdq 618.m
Position P2-D1 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.728	31925	28564	1.1177	48.4985
Dihydrocodeine	Dihydrocodeine-D6	4.331	34935	33886	1.0309	49.8414
Noroxycodone	Noroxycodone-D3	4.838	30592	24991	1.2241	49.1132
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.479	351455	327950	1.0717	50.2488
Benzoylcegonine	Benzoylcegonine-d8	6.072	2364	3074	0.7691	47.6108
Ketamine	Ketamine-D4	6.299	156148	118286	1.3201	51.2940
Norfentanyl	Norfentanyl-D5	6.342	30840	269626	0.1144	4.9593
Cocaine	Cocaine-d3	6.549	282670	271984	1.0393	50.4749
alpha-PVP	alpha-PVP-d8	6.646	270645	214268	1.2631	50.6505
Mirtazapine	alpha-PVP-d8	6.920	251049	214268	1.1717	50.7706
Norbuprenorphine	Norbuprenorphine-D3	7.213	1218	13095	0.0930	4.2982
Fentanyl	Fentanyl-D5	7.277	31866	312538	0.1020	4.6799
Mitragynine	Quetiapine-D8	7.334	58874	112214	0.5247	51.3677
EDDP	EDDP-D3	7.366	16282	15689	1.0377	43.7138
Quetiapine	Quetiapine-D8	7.557	390874	112214	3.4833	51.0398
Cyclobenzaprine	Cyclobenzaprine-D3	7.610	132809	118023	1.1253	50.7730
Buprenorphine	Buprenorphine-D4	7.815	7119	52414	0.1358	4.9173
Methadone	Methadone-D9	7.641	193014	248191	0.7777	46.2397
Fluoxetine	Fluoxetine-D6	7.682	252409	250933	1.0059	49.5926
Oxazepam	Oxazepam-D5	7.728	66475	64322	1.0335	48.1343
Sertraline	Sertraline-D3	7.764	54665	51881	1.0537	45.3717
Temazepam	Temazepam-D5	7.786	189526	152226	1.2450	51.4343
Nordiazepam	Nordiazepam-D5	7.874	68446	37156	1.8421	49.6916

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

P/b cal 4

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Diazepam	Diazepam-D5	7.928	94397	64465	1.4643	53.2357



ISP FORENSICS - Cd'A Instrument # 62340

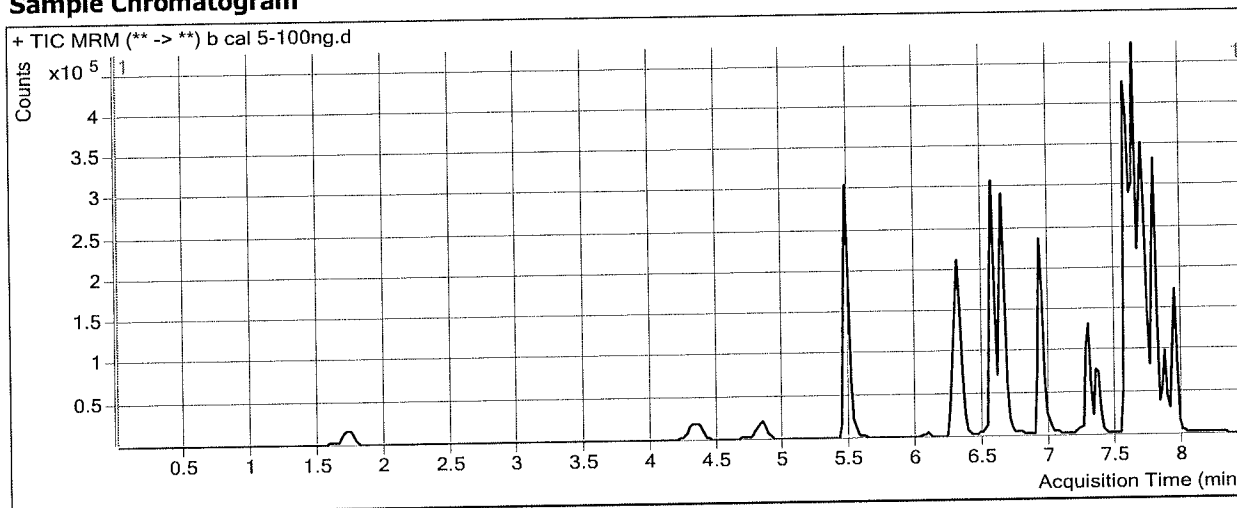
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2019 Data\011519 mdq\QuantResults\mdqp1b.batch.bin		
Analysis Time	1/16/2019 10:54 AM	Analyst Name	ISP Tox
Report Time	1/16/2019 11:21 AM	Reporter Name	ISP Tox
Last Calib Update	1/16/2019 10:54 AM	Batch State	Processed

Analysis Info

Acq Time	2019-01-15 17:06	Data File	b cal 5-100ng.d
Sample Type	Calibration	Sample Name	b cal 5-100ng
Dilution	1	Acq Method	b1 mdq 618.m
Position	P2-E1	Sample Info	
Inj Vol	-1	Comment	AM 28 Panel 1

Sample Chromatogram



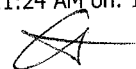
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.728	56317	24168	2.3302	100.4233
Dihydrocodeine	Dihydrocodeine-D6	4.331	66822	30232	2.2103	109.0530
Noroxycodone	Noroxycodone-D3	4.838	54733	21134	2.5898	103.1350
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.479	640181	294177	2.1762	101.7184
Benzoylcegonine	Benzoylcegonine-d8	6.072	4501	2678	1.6806	101.5406
Ketamine	Ketamine-D4	6.299	292110	105090	2.7796	107.6204
Norfentanyl	Norfentanyl-D5	6.342	53593	233923	0.2291	9.3819
Cocaine	Cocaine-d3	6.549	528096	247136	2.1369	103.6525
alpha-PVP	alpha-PVP-d8	6.646	502921	193880	2.5940	103.5882
Mirtazapine	alpha-PVP-d8	6.920	460738	193880	2.3764	102.4878
Norbuprenorphine	Norbuprenorphine-D3	7.213	1954	10110	0.1933	9.2574
Fentanyl	Fentanyl-D5	7.277	59620	280755	0.2124	9.6496
Mitragynine	Quetiapine-D8	7.334	111174	95629	1.1625	114.8769
EDDP	EDDP-D3	7.366	36211	15153	2.3897	99.5586
Quetiapine	Quetiapine-D8	7.557	704962	95629	7.3718	108.5559
Cyclobenzaprine	Cyclobenzaprine-D3	7.610	224860	102779	2.1878	98.4223
Buprenorphine	Buprenorphine-D4	7.815	13387	44640	0.2999	9.6090
Methadone	Methadone-D9	7.641	360311	196842	1.8305	108.5120
Fluoxetine	Fluoxetine-D6	7.682	508055	243072	2.0901	103.0725
Oxazepam	Oxazepam-D5	7.728	104936	48260	2.1744	99.7601
Sertraline	Sertraline-D3	7.764	114305	48310	2.3661	100.8768
Temazepam	Temazepam-D5	7.786	319881	146511	2.1833	89.0488
Nordiazepam	Nordiazepam-D5	7.874	119001	33110	3.5941	97.1972

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

Plb cal 5

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Diazepam	Diazepam-D5	7.928	174456	63030	2.7678	100.2573



ISP FORENSICS - Cd'A Instrument # 62340

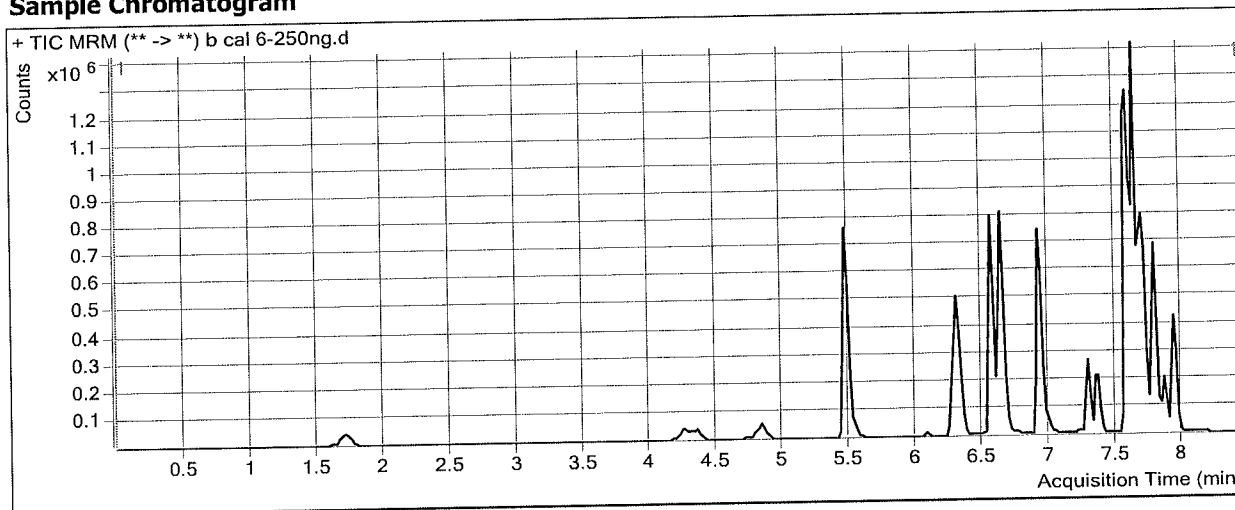
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2019 Data\011519 mdq\QuantResults\mdqp1b.batch.bin		
Analysis Time	1/16/2019 10:54 AM	Analyst Name	ISP Tox
Report Time	1/16/2019 11:21 AM	Reporter Name	ISP Tox
Last Calib Update	1/16/2019 10:54 AM	Batch State	Processed

Analysis Info

Acq Time	2019-01-15 17:31	Data File	b cal 6-250ng.d
Sample Type	Calibration	Sample Name	b cal 6-250ng
Dilution	1	Acq Method	b1 mdq 618.m
Position	P2-F1	Sample Info	
Inj Vol	-1	Comment	AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.728	164208	28234	5.8161	249.7019
Dihydrocodeine	Dihydrocodeine-D6	4.351	105549	17674	5.9719	297.9110
Noroxycodone	Noroxycodone-D3	4.838	156589	25316	6.1855	245.3625
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.479	1998135	371204	5.3829	251.1481
Benzoylcegonine	Benzoylcegonine-d8	6.072	16254	3563	4.5617	271.9986
Ketamine	Ketamine-D4	6.299	944114	144386	6.5388	252.6979
Norfentanyl	Norfentanyl-D5	6.342	183988	304787	0.6037	23.8209
Cocaine	Cocaine-d3	6.549	1631836	318602	5.1219	248.2758
alpha-PVP	alpha-PVP-d8	6.646	1614960	264731	6.1004	243.0628
Mirtazapine	alpha-PVP-d8	6.920	1525459	264731	5.7623	247.8369
Norbuprenorphine	Norbuprenorphine-D3	7.213	7425	13699	0.5420	26.5062
Fentanyl	Fentanyl-D5	7.277	210353	378369	0.5559	25.1167
Mitragynine	Quetiapine-D8	7.334	316327	124292	2.5450	252.5199
EDDP	EDDP-D3	7.366	130021	21166	6.1430	254.6030
Quetiapine	Quetiapine-D8	7.577	2253147	124292	18.1278	267.6518
Cyclobenzaprine	Cyclobenzaprine-D3	7.610	785955	142397	5.5195	247.8324
Buprenorphine	Buprenorphine-D4	7.815	40581	58271	0.6964	20.9494
Methadone	Methadone-D9	7.641	1262154	320169	3.9422	233.4205
Fluoxetine	Fluoxetine-D6	7.682	1448024	287714	5.0329	248.2184
Oxazepam	Oxazepam-D5	7.728	161974	27762	5.8345	265.3742
Sertraline	Sertraline-D3	7.764	310964	53999	5.7587	244.3600
Temazepam	Temazepam-D5	7.786	835102	150065	5.5650	224.6127
Nordiazepam	Nordiazepam-D5	7.874	263985	30435	8.6738	234.9321

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

plb cal 86^A

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Diazepam	Diazepam-D5	7.928	527204	73468	7.1760	259.2702



ISP FORENSICS - Cd'A Instrument # 62340

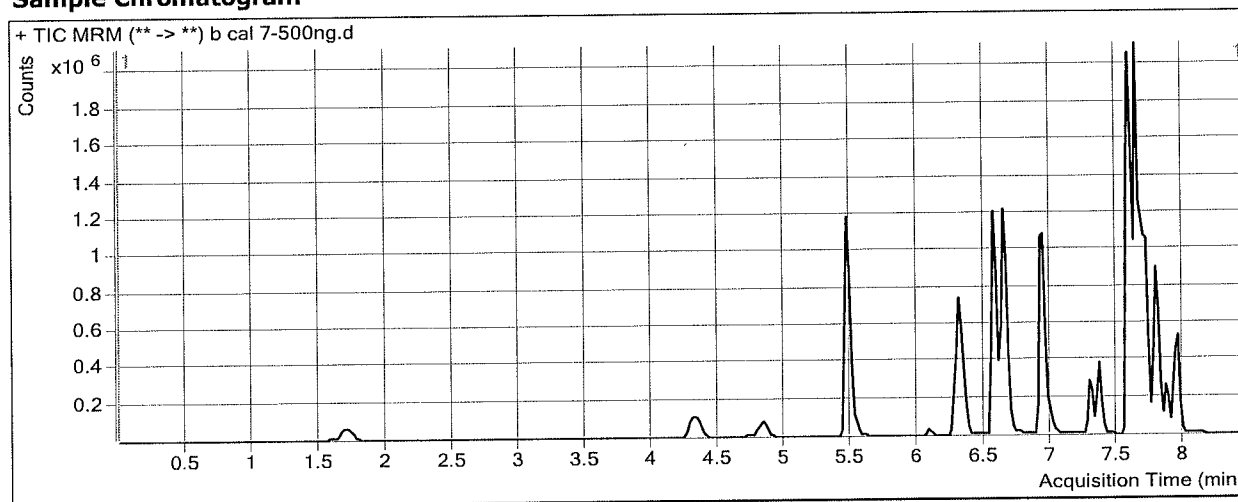
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2019 Data\011519 mdq\QuantResults\mdqp1b.batch.bin		
Analysis Time	1/16/2019 10:54 AM	Analyst Name	ISP Tox
Report Time	1/16/2019 11:21 AM	Reporter Name	ISP Tox
Last Calib Update	1/16/2019 10:54 AM	Batch State	Processed

Analysis Info

Acq Time	2019-01-15 17:57	Data File	b cal 7-500ng.d
Sample Type	Calibration	Sample Name	b cal 7-500ng
Dilution	1	Acq Method	b1 mdq 618.m
Position	P2-G1	Sample Info	
Inj Vol	-1	Comment	AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.728	272650	22893	11.9096	510.6490
Dihydrocodeine	Dihydrocodeine-D6	4.331	357946	34345	10.4222	521.3397
Noroxycodone	Noroxycodone-D3	4.838	240194	18860	12.7354	504.4489
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.479	3375782	318998	10.5825	493.4474
Benzoylcegonine	Benzoylcegonine-d8	6.072	35692	3079	11.5936	688.0358
Ketamine	Ketamine-D4	6.299	1502893	119871	12.5376	484.2078
Norfentanyl	Norfentanyl-D5	6.342	305947	244155	1.2531	48.8563
Cocaine	Cocaine-d3	6.549	2716038	264764	10.2583	497.1376
alpha-PVP	alpha-PVP-d8	6.646	2638516	210171	12.5542	499.7744
Mirtazapine	alpha-PVP-d8	6.942	2390314	210171	11.3732	488.7005
Norbuprenorphine	Norbuprenorphine-D3	7.233	12211	10782	1.1326	55.7149
Fentanyl	Fentanyl-D5	7.277	312280	284449	1.0978	49.5108
Mitragynine	Quetiapine-D8	7.354	499191	104496	4.7771	474.7546
EDDP	EDDP-D3	7.366	223488	17927	12.4668	515.8276
Quetiapine	Quetiapine-D8	7.577	3487170	104496	33.3714	493.1252
Cyclobenzaprine	Cyclobenzaprine-D3	7.610	1211069	108946	11.1162	498.8224
Buprenorphine	Buprenorphine-D4	7.815	67430	41127	1.6396	47.9214
Methadone	Methadone-D9	7.641	2041841	246722	8.2759	489.7635
Fluoxetine	Fluoxetine-D6	7.702	2326821	229579	10.1352	499.8839
Oxazepam	Oxazepam-D5	7.728	205407	18719	10.9732	497.8983
Sertraline	Sertraline-D3	7.764	487250	40600	12.0013	508.3806
Temazepam	Temazepam-D5	7.806	1214343	99872	12.1590	488.9552
Nordiazepam	Nordiazepam-D5	7.874	396891	18313	21.6729	587.4003

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

Plb cal 7

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Diazepam	Diazepam-D5	7.949	828737	59964	13.8206	498.9577



ISP FORENSICS - Cd'A Instrument # 62340

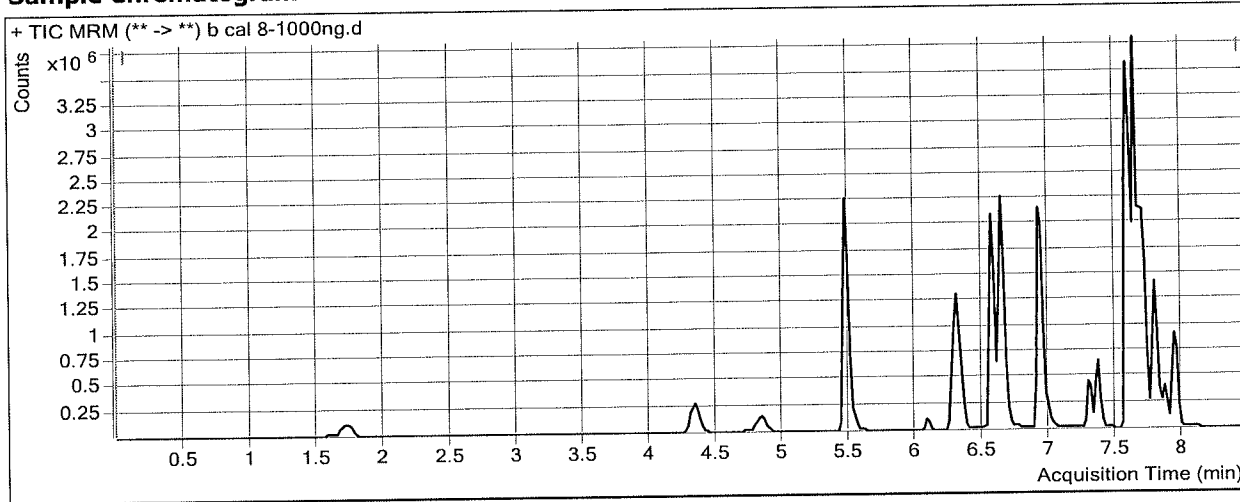
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2019 Data\011519 mdq\QuantResults\mdqp1b.batch.bin
Analysis Time 1/16/2019 10:54 AM **Analyst Name** ISP Tox
Report Time 1/16/2019 11:21 AM **Reporter Name** ISP Tox
Last Calib Update 1/16/2019 10:54 AM **Batch State** Processed

Analysis Info

Acq Time 2019-01-15 18:22 **Data File** b cal 8-1000ng.d
Sample Type Calibration **Sample Name** b cal 8-1000ng
Dilution 1 **Acq Method** b1 mdq 618.m
Position P2-H1 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.728	532784	23031	23.1337	991.3083
Dihydrocodeine	Dihydrocodeine-D6	4.331	694868	37630	18.4657	925.1776
Noroxycodone	Noroxycodone-D3	4.838	448319	17753	25.2525	999.5656
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.479	6916590	321238	21.5310	1003.6472
Benzoylcegonine	Benzoylcegonine-d8	6.072	113211	3699	30.6083	1813.0264
Ketamine	Ketamine-D4	6.299	2959272	121883	24.2795	937.3582
Norfentanyl	Norfentanyl-D5	6.342	614208	231794	2.6498	102.6991
Cocaine	Cocaine-d3	6.549	4978048	241494	20.6135	998.8465
alpha-PVP	alpha-PVP-d8	6.646	5052794	199266	25.3570	1009.0354
Mirtazapine	alpha-PVP-d8	6.920	4775080	199266	23.9634	1029.1685
Norbuprenorphine	Norbuprenorphine-D3	7.233	22090	10461	2.1117	104.1432
Fentanyl	Fentanyl-D5	7.277	628137	280113	2.2424	101.0362
Mitragynine	Quetiapine-D8	7.354	824646	94888	8.6908	864.4052
EDDP	EDDP-D3	7.366	459859	17381	26.4581	1093.7830
Quetiapine	Quetiapine-D8	7.577	6294420	94888	66.3355	980.7099
Cyclobenzaprine	Cyclobenzaprine-D3	7.610	2036295	93117	21.8680	980.9931
Buprenorphine	Buprenorphine-D4	7.815	135935	36997	3.6742	106.1075
Methadone	Methadone-D9	7.641	3811150	220875	17.2548	1020.8731
Fluoxetine	Fluoxetine-D6	7.682	4252001	209951	20.2524	998.9046
Oxazepam	Oxazepam-D5	7.728	297841	6514	45.7241	2070.3365
Sertraline	Sertraline-D3	7.764	867520	35206	24.6416	1042.9759
Temazepam	Temazepam-D5	7.786	1923987	73901	26.0346	1045.2087
Nordiazepam	Nordiazepam-D5	7.874	615713	17410	35.3651	958.6652

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

Plb cal 8

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Diazepam	Diazepam-D5	7.928	1424819	53073	26.8464	968.8307

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