



































Worklist: 1710

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>	
C2017-0577	1	83810	AM 28 Blood Multi-Drug Quant	
C2017-0651	1	83809	AM 28 Blood Multi-Drug Quant	
C2017-0652	1	83808	AM 28 Blood Multi-Drug Quant	
C2017-0668	1	83807	AM 28 Blood Multi-Drug Quant	
C2017-0693	1	83806	AM 28 Blood Multi-Drug Quant	
C2017-0695	1	83805	AM 28 Blood Multi-Drug Quant	
C2017-0696	1	83804	AM 28 Blood Multi-Drug Quant	
C2017-0704	1	83803	AM 28 Blood Multi-Drug Quant	
C2017-0708	1	83802	AM 28 Blood Multi-Drug Quant	
C2017-0709	1	83801	AM 28 Blood Multi-Drug Quant	
C2017-0710	1	83800	AM 28 Blood Multi-Drug Quant	
C2017-0718	2	83799	AM 28 Blood Multi-Drug Quant	
C2017-0745	1	83798	AM 28 Blood Multi-Drug Quant	
C2017-0746	1	83797	AM 28 Blood Multi-Drug Quant	
C2017-0751	1	83796	AM 28 Blood Multi-Drug Quant	
C2017-0755	1	83795	AM 28 Blood Multi-Drug Quant	
C2017-0756	1	83794	AM 28 Blood Multi-Drug Quant	
C2017-0801	1	83793	AM 28 Blood Multi-Drug Quant	
C2017-0809	1	83792	AM 28 Blood Multi-Drug Quant	
M2017-0736	3.1	83791	AM 28 Blood Multi-Drug Quant	
M2017-0908	1	83790	AM 28 Blood Multi-Drug Quant	
M2017-1221	1	83789	AM 28 Blood Multi-Drug Quant	
M2017-1456	3	83780	AM 28 Blood Multi-Drug Quant	



Worklist: 1710

<u>LAB_CASE</u>	<u>ITEM</u>	<u>TASK_ID</u>	<u>DESCRIPTION</u>	
M2017-1456	4	83781	AM 28 Blood Multi-Drug Quant	
M2017-1456	5	83782	AM 28 Blood Multi-Drug Quant	
M2017-1585	1	83783	AM 28 Blood Multi-Drug Quant	
M2017-1640	2	83784	AM 28 Blood Multi-Drug Quant	
M2017-1645	1	83785	AM 28 Blood Multi-Drug Quant	
M2017-1645	2	83786	AM 28 Blood Multi-Drug Quant	
M2017-1763	3	83787	AM 28 Blood Multi-Drug Quant	
P2016-1529	1	83562	AM 28 Blood Multi-Drug Quant	
P2017-0910	1	83788	AM 28 Blood Multi-Drug Quant	



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

Date: 5/3/17

Analyst: B. Aguirre

PRE-ANALYTIC

✓ Plate Lot# 0498367 Plate Exp. 1/26/2018 External QC lot 5-10-17

1. Ensure all solutions are within expiration date.
- Mobile Phase A: **0.5M Ammonium Hydroxide**
5mM Amm Form +0.01% FA
- Mobile Phase B: Ethyl Acetate
0.01% FA in MeOH
20% Methanol Column: **Agilent 120 EC-C18 (2.1x 100-4um)**

- ✓ 2. Check levels of mobile phases and needle wash and refill as necessary. Ensure waste is not full.
- ✓ 3. Begin mobile phase flow and allow system to equilibrate for approx. 30 minutes.
- ✓ 4. Create worklist. Data path name: 5-17 mdq pl

ANALYTIC

- ✓ 1. Remove standards plate, blood, and samples from cold storage. Allow to reach room temperature.
- ✓ 2. Pipette **250 µL blood** in wells of analytical (standards) plate. Mix via aspirate and dispense.
- Blank blood for locations containing standards/QCs and internal standards
 - Sample blood for locations containing only internal standards
- ✓ 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes. Shaker ID 66759
- ✓ 4. Pipette **250 µL 0.5M ammonium hydroxide** buffer in wells of analytical (standards) plate.
- ✓ 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- ✓ 6. Transfer **300 µL of blood+base** mixture to corresponding wells of SLE+ plate.
- ✓ 7. Apply positive pressure for approx. 4 seconds (or until no liquid remains on top of sorbent).
(Load at 85-100PSI- Selector to Right) Wait 5 min.
- ✓ 8. Add **900 µL ethyl acetate** and allow to flow for 5 minutes under gravity.
- ✓ 9. Apply positive pressure for approx. 15 seconds. **(~10-15 PSI – Selector to the left)**
- ✓ 10. Add **900 µL ethyl acetate** and allow to flow for 5 minutes under gravity.
- ✓ 11. Apply positive pressure for approx. 15 seconds. **(~10-15 PSI – Selector to the left)**
- ✓ 12. Remove plate containing eluate. Place on **SPE Dry** and evaporate to dryness at approx. 35°C.
 SPE Dry ID 66819
- ✓ 13. Reconstitute in **100 µL 20% MeOH** and seal plate with foil. Place in autosampler and run worklist.

POST-ANALYTIC

- ✓ 1. Open quantitation software and create a new quantitation batch.
 Batch name: 5-3-17 MDQ Plc
5-3-17 MDQ Plc
- ✓ 2. Make any necessary changes. Limit curves based on validated linear ranges.
3. Were all appropriate standards used in the curve for each analyte? (Y) N
 Are r² values ≥0.98 for each analyte? (Y) N
- ✓ 4. For unknown samples, are the response ratios for each analyte within ± 20% of the average ratios of the standards and QC's? (Y) N
- ✓ 5. Did all QCs pass for each analyte? (Y) N
- ✓ 6. Central File Packet to include: ✓ LIMS Worklist: ✓ Method Checklist ✓ Calibration and Control Reports

COMMENTS:

B. Aguirre

	1	2	3	4	5	6	7	8	9	10	11	12
A	5ng	QC10	✓ c577	✓ c751	✓ c1221	✓ M1150-3						1000 ng cal
B	10 ng cal	QC100	✓ c652	✓ c708	✓ c745	✓ M1150-4						500 ng cal
C	25 ng cal	QC250	✓ c651	✓ c755	✓ M1585	✓ M1150-5						250 ng cal
D	50 ng cal	QC1000	✓ c668	✓ c709	✓ c756	✓ M1150-6					QC100	100 ng cal
E	100 ng cal	QC100	✓ c695	✓ c809	✓ M1150-7 consumed	✓ M1150-3					QC1000	50 ng cal
F	250 ng cal	neg	✓ c693	✓ c718	✓ c801	✓ p910					QC250	25 ng cal
G	500 ng cal	ext ctrl	✓ c696	✓ m908	✓ M1150-2	✓ c746					QC100	10 ng cal
H	1000 ng cal	P1529 ^a	✓ c704	✓ c710	✓ m736						QC10	5 ng cal

ISP FORENSICS - Cd'A Instrument # 62340

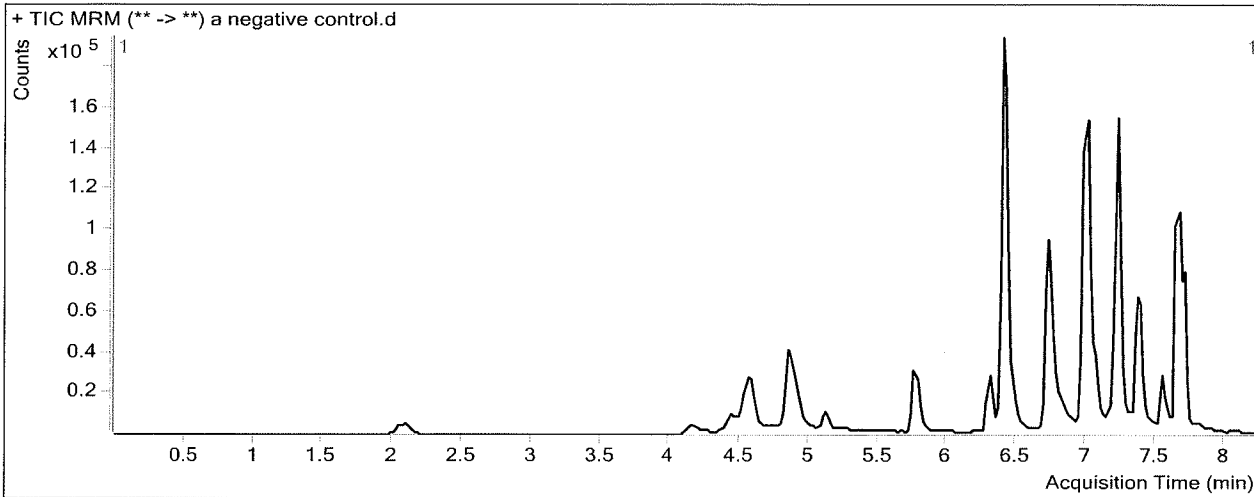
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1a.batch.bin
Analysis Time 5/9/2017 10:28 AM **Analyst Name** ISP Tox
Report Time 5/9/2017 10:34 AM **Reporter Name** ISP Tox
Last Calib Update 5/9/2017 10:27 AM **Batch State** Processed

Analysis Info

Acq Time 2017-05-03 17:50 **Data File** a negative control.d
Sample Type Sample **Sample Name** a negative control
Dilution 1 **Acq Method** Quant Panel 1a 2-13-17.m
Position P1-F2 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Phentermine	Phentermine-D5	5.804	536	110833	0.0048	1.7749

↳ No 2nd transition, does not meet SIN criteria

ISP

ISP FORENSICS - Cd'A Instrument # 62340

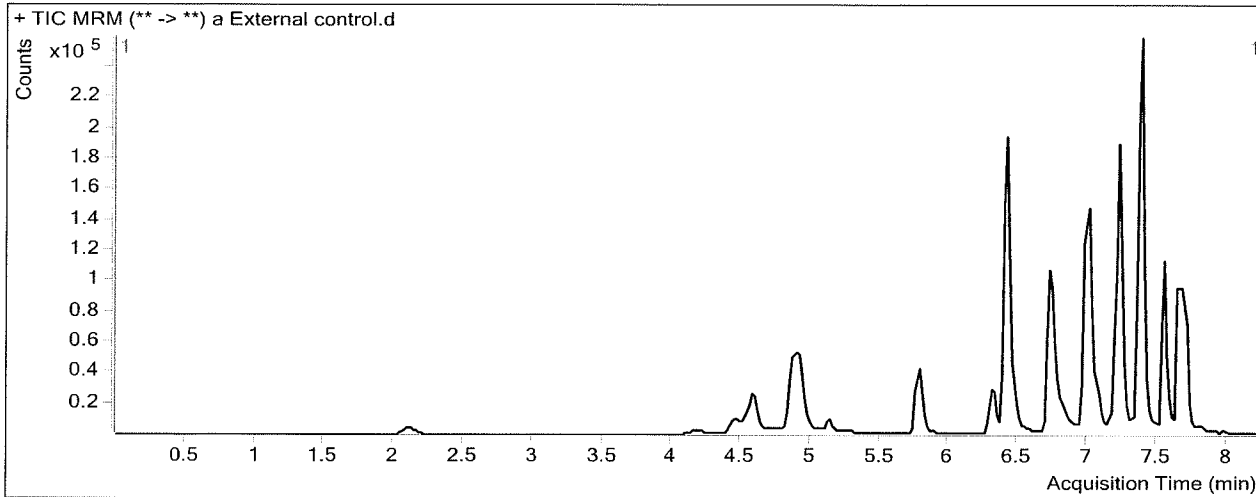
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1a.batch.bin
Analysis Time 5/9/2017 10:28 AM **Analyst Name** ISP Tox
Report Time 5/9/2017 10:34 AM **Reporter Name** ISP Tox
Last Calib Update 5/9/2017 10:27 AM **Batch State** Processed

Analysis Info

Acq Time 2017-05-03 18:16 **Data File** a External control.d
Sample Type Sample **Sample Name** a External control-50ng/mL
Dilution 1 **Acq Method** Quant Panel 1a 2-13-17.m
Position P1-G2 **Sample Info**
Inj Vol -1 **Comment** AM 28; lot 51017 50 ng hydrocodone, diphenhydramine, lorazepam

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Hydrocodone	Hydrocodone-D6	4.913	60868	75149	0.8100	44.6468
Diphenhydramine	Diphenhydramine-D3	7.392	260611	268336	0.9712	49.2101
Lorazepam	Alprazolam-D5	7.682	11839	151841	0.0780	48.2656

ISP FORENSICS - Cd'A Instrument # 62340

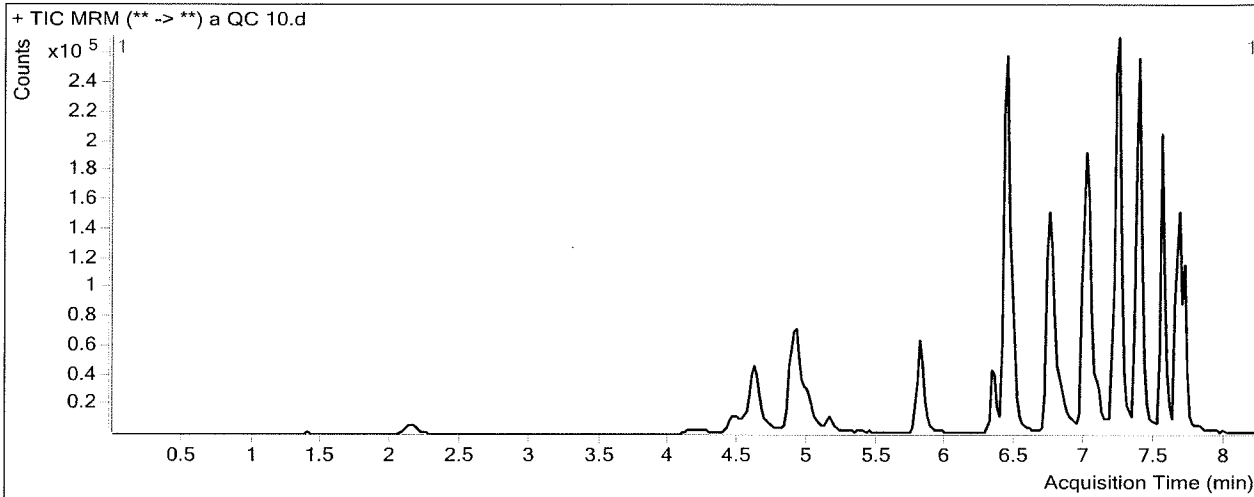
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1a.batch.bin	Analyst Name	ISP Tox
Analysis Time	5/9/2017 10:28 AM	Reporter Name	ISP Tox
Report Time	5/9/2017 10:34 AM	Batch State	Processed
Last Calib Update	5/9/2017 10:27 AM		

Analysis Info

Acq Time	2017-05-03 18:41	Data File	a QC 10.d
Sample Type	QC	Sample Name	a QC 10
Dilution	1	Acq Method	Quant Panel 1a 2-13-17.m
Position	P1-A2	Sample Info	
Inj Vol	-1	Comment	AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.388	1626	1605	1.0131	11.7101
Hydromorphone	Hydromorphone-D6	2.167	7933	30860	0.2571	10.6219
Codeine	Codeine-D6	4.236	3350	15579	0.2150	11.9716
Amphetamine	Amphetamine-D11	4.624	89918	68441	1.3138	10.0730
Oxycodone	Oxycodone-D6	4.649	19777	112187	0.1763	10.5089
Hydrocodone	Hydrocodone-D6	4.954	13106	81489	0.1608	10.5176
Norhydrocodone	not evaluated Norhydrocodone-D3	5.018	849	30889	0.0275	10.8124
Methamphetamine	Methamphetamine-D11	5.021	49990	249995	0.2000	8.1086
6-MAM	6-MAM-D6	5.168	584	26496	0.0221	1.1480
Phentermine	Phentermine-D5	5.846	11963	234620	0.0510	9.7637
Dextroprphan	Dextroprphan-D3	6.323	12477	106109	0.1176	10.9150
7-aminoclonazepam	7-Aminoclonazepam-D4	6.412	16790	76933	0.2182	10.3095
Tramadol	Tramadol-13C-D3	6.438	137958	643690	0.2143	11.2449
Doxylamine	Doxylamine-D5	6.763	81577	552248	0.1477	8.7247
Bupropion	Bupropion-D9	7.011	13459	78610	0.1712	9.2722
Zolpidem	Zolpidem-D6	7.020	86149	435847	0.1977	11.4300
Meprobamate	Meprobamate-D7	7.113	6008	41501	0.1448	10.9906
Trazodone	Trazodone-D6	7.215	49545	248211	0.1996	9.6453
Venlafaxine	Venlafaxine-D6	7.246	107626	515077	0.2090	10.3476
Citalopram	Citalopram-D6	7.358	44837	255337	0.1756	9.7484
Dextromethorphan	Dextromethorphan-D3	7.368	8916	44196	0.2017	12.9111
Diphenhydramine	Diphenhydramine-D3	7.392	66988	344345	0.1945	11.1542
Promethazine	Promethazine-D3	7.546	60225	376636	0.1599	10.4083

ISP FORENSICS - Cd'A Instrument # 62340

Multi-Drug Confirmatory Analysis Report

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.583	5491	8492	0.6465	12.2207
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.640	2981	11960	0.2493	12.6899
Carisoprodol	Carisoprodol-D7	7.672	37226	246587	0.1510	10.1992
Lorazepam - Not Evaluated	Alprazolam-D5	7.683	2560	154860	0.0165	21.3075
Alprazolam	Alprazolam-D5	7.706	35837	154860	0.2314	11.2766



ISP FORENSICS - Cd'A Instrument # 62340

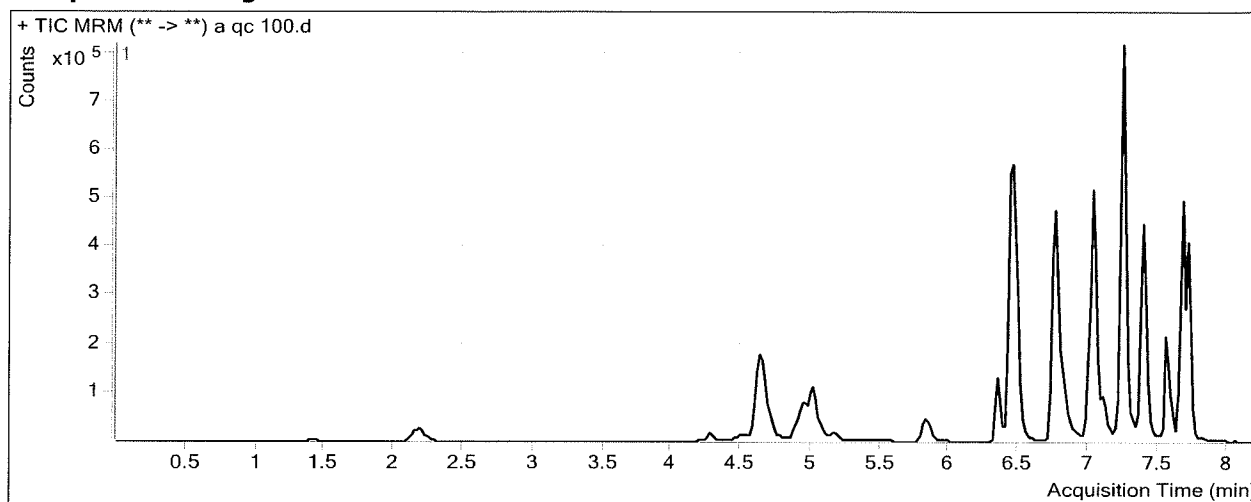
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1a.batch.bin	Analyst Name	ISP Tox
Analysis Time	5/9/2017 10:28 AM	Reporter Name	ISP Tox
Report Time	5/9/2017 10:34 AM	Batch State	Processed
Last Calib Update	5/9/2017 10:27 AM		

Analysis Info

Acq Time	2017-05-03 20:48	Data File	a qc 100.d
Sample Type	QC	Sample Name	a qc 100
Dilution	1	Acq Method	Quant Panel 1a 2-13-17.m
Position	P1-B2	Sample Info	
Inj Vol	-1	Comment	AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.408	18303	1571	11.6487	102.4915
Hydromorphone	Hydromorphone-D6	2.187	78337	27908	2.8070	92.1778
Codeine	Codeine-D6	4.296	32984	14834	2.2236	85.9967
Amphetamine	Amphetamine-D11	4.644	455694	45500	10.0153	107.3639
Oxycodone	Oxycodone-D6	4.669	225798	102749	2.1976	98.3478
Hydrocodone	Hydrocodone-D6	4.954	135705	75603	1.7950	96.4344
Norhydrocodone	Norhydrocodone-D3	5.018	8944	26053	0.3433	101.8529
Methamphetamine	Methamphetamine-D11	5.021	306738	124064	2.4724	90.4858
6-MAM	6-MAM-D6	5.168	5845	24686	0.2368	9.6246
Phentermine	Phentermine-D5	5.866	83495	153690	0.5433	94.9672
Dextroprphan	Dextroprphan-D3	6.343	112629	86439	1.3030	101.0506
7-aminoclonazepam	7-Aminoclonazepam-D4	6.431	166368	69643	2.3889	111.1781
Tramadol	Tramadol-13C-D3	6.459	1230474	613268	2.0064	97.0167
Doxylamine	Doxylamine-D5	6.763	903500	486467	1.8573	100.8861
Bupropion	Bupropion-D9	7.031	70477	34469	2.0446	101.3211
Zolpidem	Zolpidem-D6	7.020	888880	441020	2.0155	110.5351
Meprobamate	Meprobamate-D7	7.133	67429	42090	1.6020	94.3886
Trazodone	Trazodone-D6	7.235	417287	169281	2.4651	119.7250
Venlafaxine	Venlafaxine-D6	7.246	927811	422829	2.1943	100.7443
Citalopram	Citalopram-D6	7.358	316431	144288	2.1931	103.4988
Dextromethorphan	Dextromethorphan-D3	7.388	52320	21431	2.4413	112.7160
Diphenhydramine	Diphenhydramine-D3	7.392	429807	208809	2.0584	102.4792
Promethazine	Promethazine-D3	7.546	304029	174500	1.7423	99.2076

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

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.603	69061	8512	8.1135	110.8585
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.660	30815	13282	2.3200	100.9816
Carisoprodol	Carisoprodol-D7	7.672	350888	214917	1.6327	118.0331
Lorazepam	Alprazolam-D5	7.703	27017	133658	0.2021	102.7459
Alprazolam	Alprazolam-D5	7.706	348419	133658	2.6068	105.3479



ISP FORENSICS - Cd'A Instrument # 62340

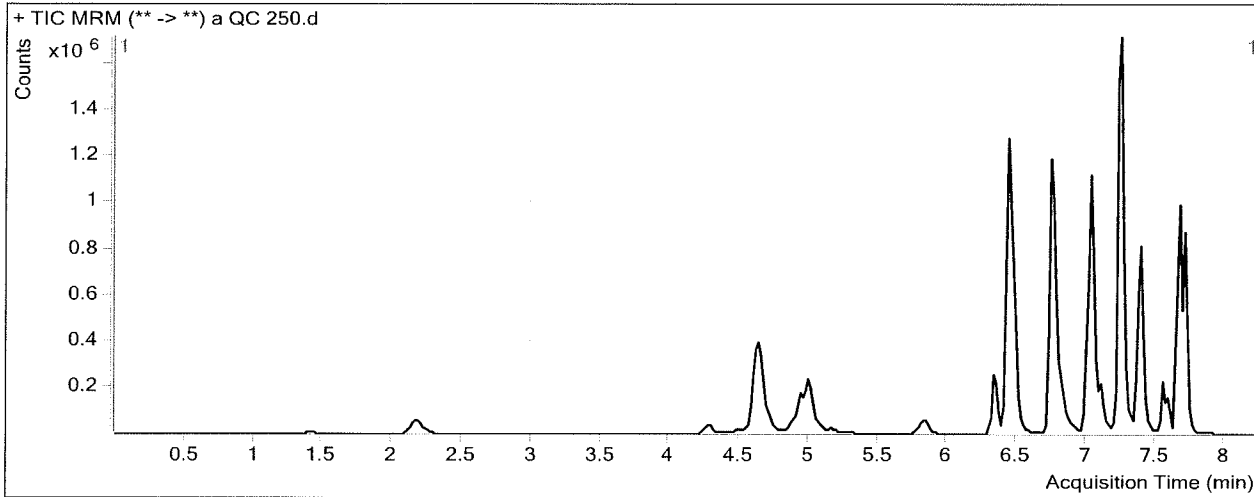
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1a.batch.bin	Analyst Name	ISP Tox
Analysis Time	5/9/2017 10:28 AM	Reporter Name	ISP Tox
Report Time	5/9/2017 10:34 AM	Batch State	Processed
Last Calib Update	5/9/2017 10:27 AM		

Analysis Info

Acq Time	2017-05-04 01:52	Data File	a QC 250.d
Sample Type	QC	Sample Name	a QC 250
Dilution	1	Acq Method	Quant Panel 1a 2-13-17.m
Position	P1-C2	Sample Info	
Inj Vol	-1	Comment	AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.408	45795	1572	29.1282	251.6900
Hydromorphone	Hydromorphone-D6	2.187	195646	29615	6.6063	213.6961
Codeine	Codeine-D6	4.276	88545	15900	5.5689	209.2890
Amphetamine	Amphetamine-D11	4.624	934379	48073	19.4367	212.7029
Oxycodone	Oxycodone-D6	4.649	565909	107791	5.2501	231.0004
Hydrocodone	Hydrocodone-D6	4.933	354515	81595	4.3448	230.4957
Norhydrocodone	Norhydrocodone-D3	4.998	23668	24788	0.9548	278.1435
Methamphetamine	Methamphetamine-D11	5.001	654370	107944	6.0621	220.6121
6-MAM	6-MAM-D6	5.168	14444	24499	0.5896	23.5504
Phentermine	Phentermine-D5	5.846	197409	141780	1.3924	241.9280
Dextroprphan	Dextroprphan-D3	6.323	283866	87096	3.2592	249.7967
7-aminoclonazepam	7-Aminoclonazepam-D4	6.412	378226	67616	5.5937	260.1059
Tramadol	Tramadol-13C-D3	6.438	3101485	600760	5.1626	248.0750
Doxylamine	Doxylamine-D5	6.743	2189714	451674	4.8480	262.1159
Bupropion	Bupropion-D9	7.011	92644	19683	4.7067	232.1228
Zolpidem	Zolpidem-D6	7.020	2299378	515086	4.4641	244.0251
Meprobamate	Meprobamate-D7	7.113	200570	47555	4.2177	244.0780
Trazodone	Trazodone-D6	7.235	1134695	203374	5.5793	271.0504
Venlafaxine	Venlafaxine-D6	7.246	2415261	446275	5.4120	247.2549
Citalopram	Citalopram-D6	7.358	694444	132908	5.2250	244.3914
Dextromethorphan	Dextromethorphan-D3	7.388	104681	19924	5.2540	238.0617
Diphenhydramine	Diphenhydramine-D3	7.392	969124	187708	5.1629	254.5988
Promethazine	Promethazine-D3	7.546	345206	75872	4.5499	256.7631

ISP FORENSICS - Cd'A Instrument # 62340

Multi-Drug Confirmatory Analysis Report

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.583	177580	10230	17.3580	232.9766
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.640	87059	13817	6.3011	270.7251
Carisoprodol	Carisoprodol-D7	7.672	837265	218847	3.8258	277.6438
Lorazepam	Alprazolam-D5	7.682	71801	134296	0.5347	248.6463
Alprazolam	Alprazolam-D5	7.706	817633	134296	6.0883	243.2253



ISP FORENSICS - Cd'A Instrument # 62340

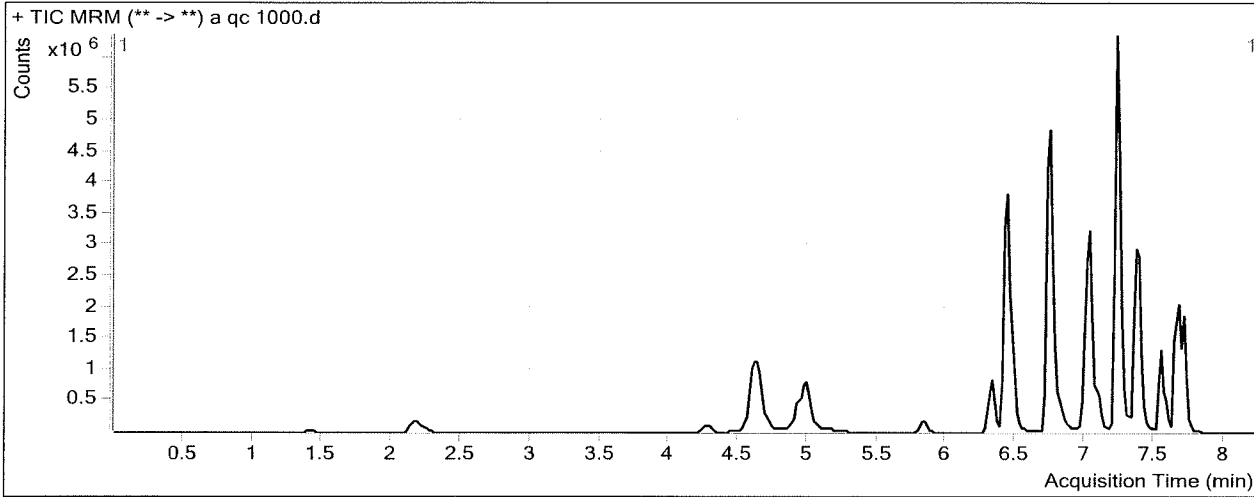
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1a.batch.bin	Analyst Name	ISP Tox
Analysis Time	5/9/2017 10:28 AM	Reporter Name	ISP Tox
Report Time	5/9/2017 10:34 AM	Batch State	Processed
Last Calib Update	5/9/2017 10:27 AM		

Analysis Info

Acq Time	2017-05-04 03:59	Data File	a qc 1000.d
Sample Type	QC	Sample Name	a qc 1000
Dilution	1	Acq Method	Quant Panel 1a 2-13-17.m
Position	P1-D2	Sample Info	
Inj Vol	-1	Comment	AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.408	153903	1182	130.2584	1114.8990
Hydromorphone	Hydromorphone-D6	2.187	679004	23730	28.6141	917.5920
Codeine	Codeine-D6	4.276	301074	11197	26.8898	995.0701
Amphetamine	Amphetamine-D11	4.603	3248494	41921	77.4913	861.8060
Oxycodone	Oxycodone-D6	4.649	2064726	99836	20.6812	901.5904
Hydrocodone	Hydrocodone-D6	4.933	1203449	70339	17.1093	901.6049
Norhydrocodone	Norhydrocodone-D3	4.978	78895	16200	4.8701	1406.8481
Methamphetamine	Methamphetamine-D11	5.001	2464958	98527	25.0181	907.7700
6-MAM	6-MAM-D6	5.148	50429	18794	2.6833	106.2025
Phentermine	Phentermine-D5	5.824	731646	140556	5.2054	901.8820
Dextroprphan	Dextroprphan-D3	6.323	1035514	75359	13.7410	1046.8068
7-aminoclonazepam	7-Aminoclonazepam-D4	6.412	1134933	52421	21.6503	1006.2495
Tramadol	Tramadol-13C-D3	6.438	11161416	515622	21.6465	1037.0121
Doxylamine	Doxylamine-D5	6.743	10115193	564053	17.9331	967.5290
Bupropion	Bupropion-D9	6.991	450802	25055	17.9928	884.9270
Zolpidem	Zolpidem-D6	7.020	7634480	408478	18.6901	1019.5962
Meprobamate	Meprobamate-D7	7.113	722705	38515	18.7644	1076.5647
Trazodone	Trazodone-D6	7.215	4389244	255476	17.1806	834.7660
Venlafaxine	Venlafaxine-D6	7.226	9124744	410708	22.2171	1012.4225
Citalopram	Citalopram-D6	7.337	3083737	144021	21.4117	996.5838
Dextromethorphan	Dextromethorphan-D3	7.368	546920	23053	23.7246	1061.2019
Diphenhydramine	Diphenhydramine-D3	7.392	4702533	227215	20.6964	1015.7176
Promethazine	Promethazine-D3	7.546	2241524	138893	16.1385	907.0888

ISP FORENSICS - Cd'A Instrument # 62340

Multi-Drug Confirmatory Analysis Report

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.583	500580	7366	67.9558	901.3680
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.640	289380	6223	46.4987	1984.6561
Carisoprodol	Carisoprodol-D7	7.672	1837507	131994	13.9211	1012.3553
Lorazepam	Alprazolam-D5	7.682	242776	79502	3.0537	1353.9392
Alprazolam	Alprazolam-D5	7.706	2055700	79502	25.8571	1026.1216



ISP FORENSICS - Cd'A Instrument # 62340

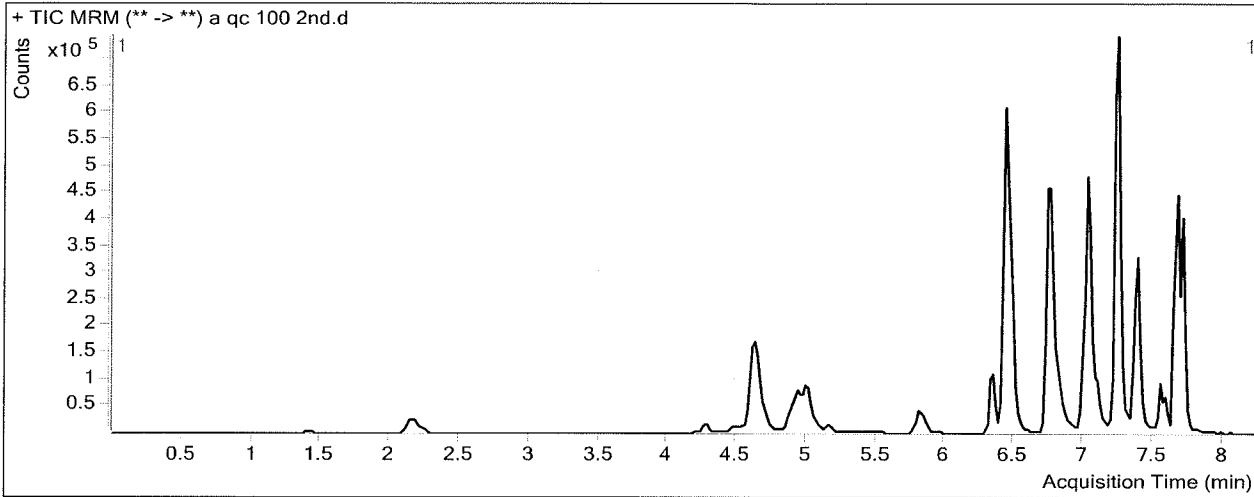
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1a.batch.bin	Analyst Name	ISP Tox
Analysis Time	5/9/2017 10:28 AM	Reporter Name	ISP Tox
Report Time	5/9/2017 10:34 AM	Batch State	Processed
Last Calib Update	5/9/2017 10:27 AM		

Analysis Info

Acq Time	2017-05-04 07:21	Data File	a qc 100 2nd.d
Sample Type	QC	Sample Name	a qc 100 2nd
Dilution	1	Acq Method	Quant Panel 1a 2-13-17.m
Position	P1-E2	Sample Info	
Inj Vol	-1	Comment	AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.408	18538	1574	11.7792	103.6052
Hydromorphone	Hydromorphone-D6	2.167	81346	29900	2.7206	89.4158
Codeine	Codeine-D6	4.276	34036	15187	2.2410	86.6411
Amphetamine	Amphetamine-D11	4.624	431035	44058	9.7835	104.7714
Oxycodone	Oxycodone-D6	4.649	210285	104239	2.0173	90.5156
Hydrocodone	Hydrocodone-D6	4.933	132417	83283	1.5900	85.6561
Norhydrocodone	Norhydrocodone-D3	4.998	9443	26721	0.3534	104.7637
Methamphetamine	Methamphetamine-D11	5.021	244520	103902	2.3534	86.1702
6-MAM	6-MAM-D6	5.168	5659	25232	0.2243	9.1314
Phentermine	Phentermine-D5	5.846	76730	146746	0.5229	91.4381
Dextroprphan	Dextroprphan-D3	6.323	111215	88657	1.2544	97.3579
7-aminoclonazepam	7-Aminoclonazepam-D4	6.431	151664	67005	2.2635	105.3514
Tramadol	Tramadol-13C-D3	6.459	1205007	632247	1.9059	92.2061
Doxylamine	Doxylamine-D5	6.763	940416	516144	1.8220	98.9851
Bupropion	Bupropion-D9	7.011	19758	12267	1.6106	79.9968
Zolpidem	Zolpidem-D6	7.020	731010	472306	1.5477	85.0338
Meprobamate	Meprobamate-D7	7.113	70903	45022	1.5749	92.8335
Trazodone	Trazodone-D6	7.235	402502	182827	2.2016	106.9211
Venlafaxine	Venlafaxine-D6	7.246	908508	427463	2.1253	97.6051
Citalopram	Citalopram-D6	7.358	244309	123508	1.9781	93.5092
Dextromethorphan	Dextromethorphan-D3	7.368	31578	15508	2.0363	94.6669
Diphenhydramine	Diphenhydramine-D3	7.392	322404	166682	1.9342	96.3976
Promethazine	Promethazine-D3	7.546	109369	70269	1.5564	88.7782

ISP FORENSICS - Cd'A Instrument # 62340

Multi-Drug Confirmatory Analysis Report

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.583	66657	8586	7.7634	106.2330
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.640	30231	13515	2.2368	97.4346
Carisoprodol	Carisoprodol-D7	7.672	364465	223865	1.6281	117.6981
Lorazepam	Alprazolam-D5	7.682	23961	143280	0.1672	87.4330
Alprazolam	Alprazolam-D5	7.706	333284	143280	2.3261	94.2320

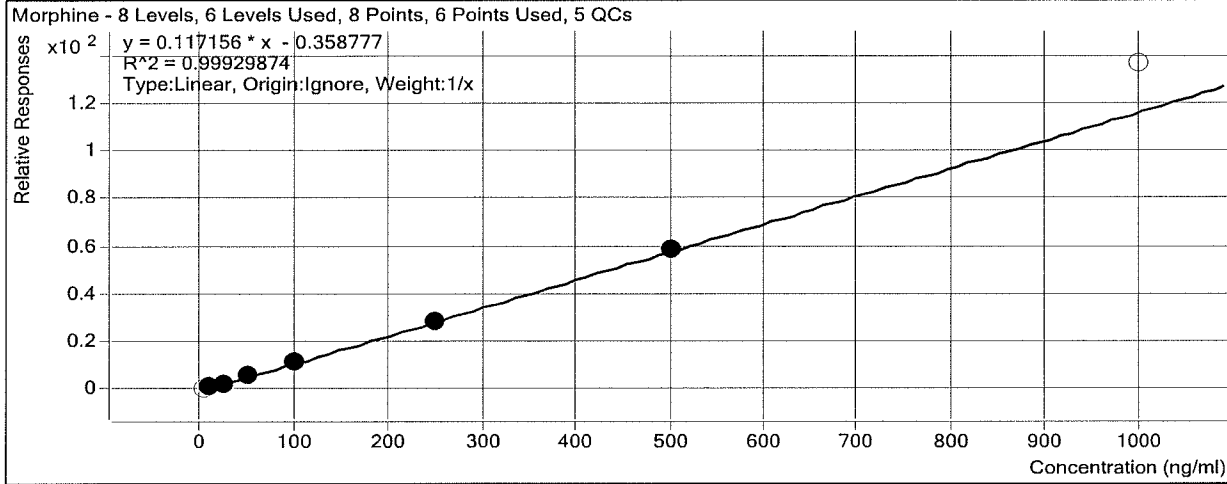
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1a.batch.bin
5/9/2017 10:27 AM

Analyst Name ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng/mL	1	<input type="checkbox"/>	5	7.5	149.3
a cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	11.0	110.1
a QC 10	2	<input checked="" type="checkbox"/>	10	11.7	117.1
a cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	22.8	91.2
a cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	49.8	99.6
a cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	99.9	99.9
a qc 100	5	<input checked="" type="checkbox"/>	100	102.5	102.5
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	103.6	103.6
a cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	244.5	97.8
a QC 250	6	<input checked="" type="checkbox"/>	250	251.7	100.7
a cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	507.0	101.4
a cal 8-1000ng/mL	8	<input type="checkbox"/>	1000	1169.2	116.9
a qc 1000	8	<input type="checkbox"/>	1000	1114.9	111.5

Samples not evaluated below 10ng/mL

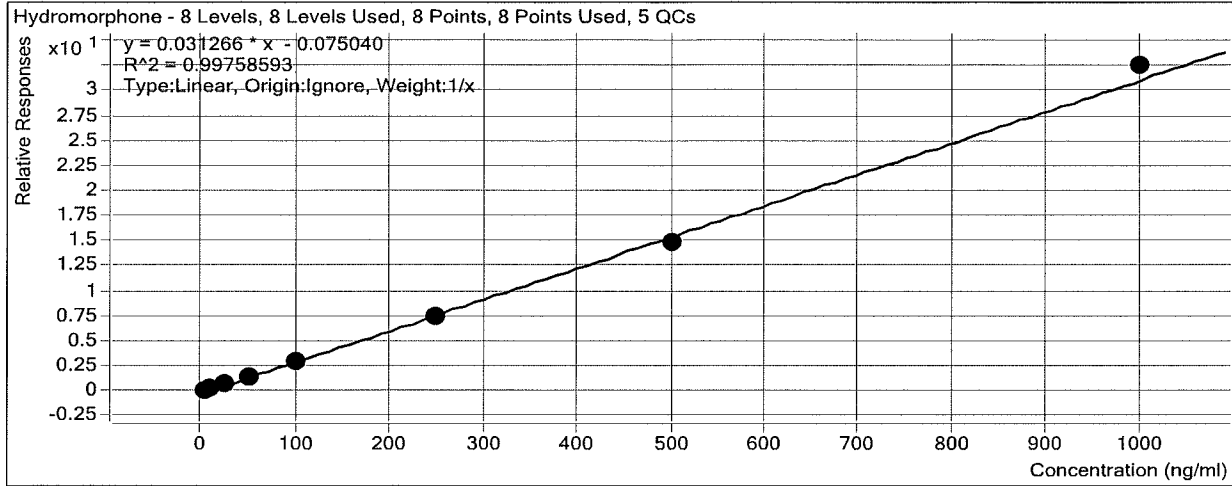
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

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5/9/2017 10:27 AM

Analyst Name ISP TOX

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



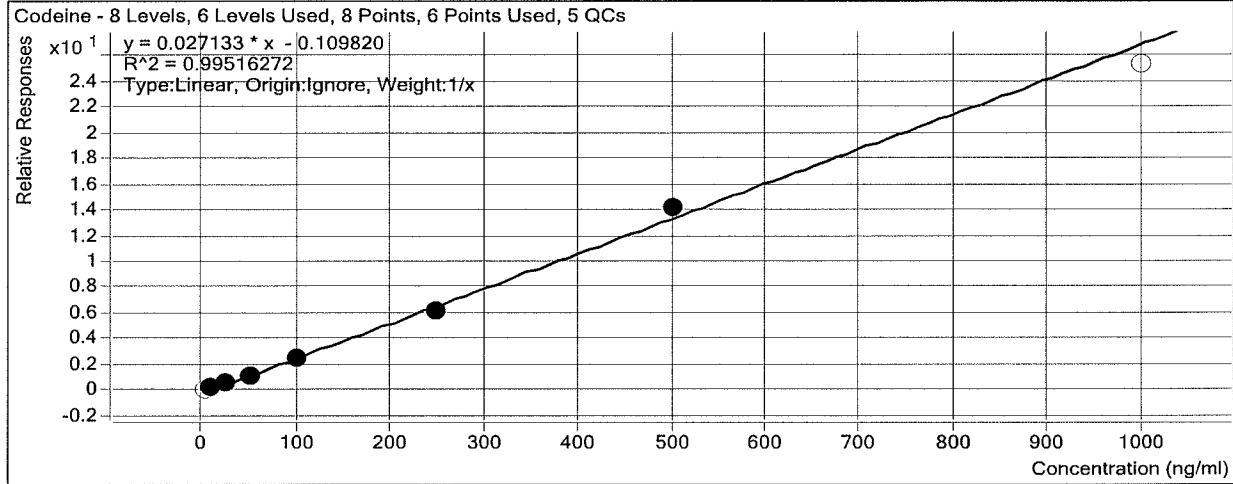
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng/mL	1	<input checked="" type="checkbox"/>	5	6.3	126.7
a cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	10.1	101.4
a QC 10	2	<input checked="" type="checkbox"/>	10	10.6	106.2
a cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	22.6	90.6
a cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	44.7	89.5
a cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	95.0	95.0
a qc 100	5	<input checked="" type="checkbox"/>	100	92.2	92.2
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	89.4	89.4
a cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	243.3	97.3
a QC 250	6	<input checked="" type="checkbox"/>	250	213.7	85.5
a cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	477.0	95.4
a cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	1000	1040.8	104.1
a qc 1000	8	<input checked="" type="checkbox"/>	1000	917.6	91.8

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1a.batch.bin
5/9/2017 10:27 AM **Analyst Name** ISP TOX

Target Compound Codeine
Internal Standard Codeine-D6



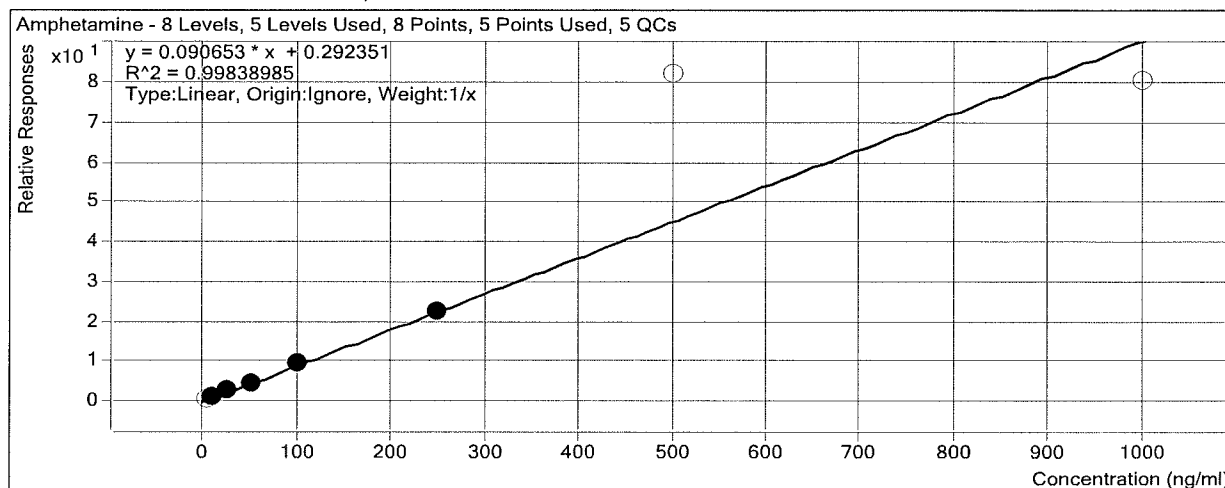
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng/mL	1	<input type="checkbox"/>	5	7.5	150.9
a cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	11.7	117.4
a QC 10	2	<input checked="" type="checkbox"/>	10	12.0	119.7
a cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	24.6	98.3
a cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	45.8	91.6
a cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	94.5	94.5
a qc 100	5	<input checked="" type="checkbox"/>	100	86.0	86.0
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	86.6	86.6
a cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	232.4	93.0
a QC 250	6	<input checked="" type="checkbox"/>	250	209.3	83.7
a cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	526.0	105.2
a cal 8-1000ng/mL	8	<input type="checkbox"/>	1000	936.8	93.7
a qc 1000	8	<input checked="" type="checkbox"/>	1000	995.1	99.5

Samples not evaluated below 10ng/mL

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1a.batch.bin
Last Calib Update 5/9/2017 2:56 PM **Analyst Name** ISP TOX

Target Compound Amphetamine
Internal Standard Amphetamine-D11



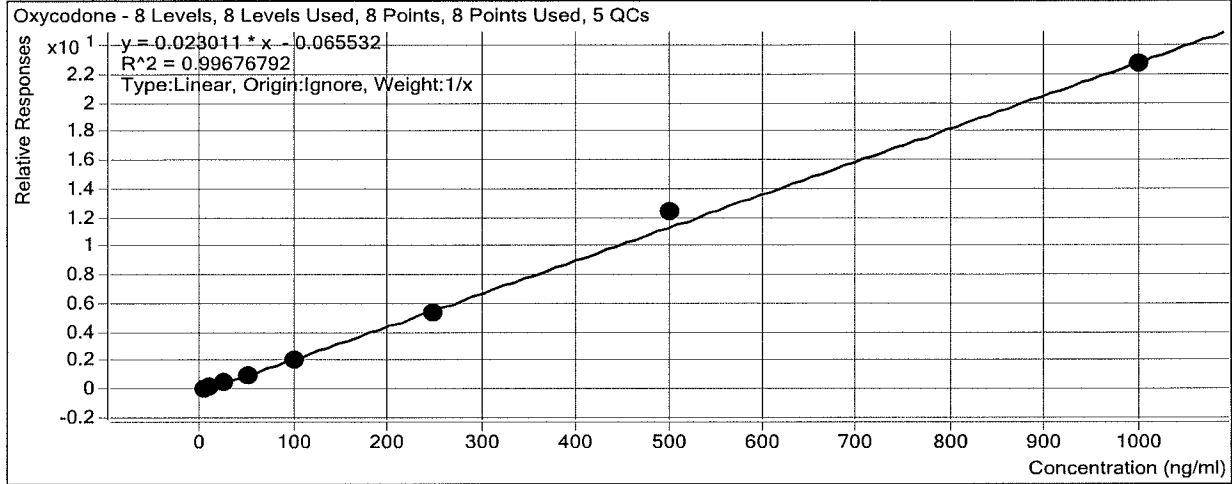
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng/mL	1	<input type="checkbox"/>	5	6.6	132.3
a cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	9.0	89.5
a QC 10	2	<input checked="" type="checkbox"/>	10	11.3	112.7
a cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	27.0	108.1
a cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	50.5	101.1
a cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	103.2	103.2
a qc 100	5	<input checked="" type="checkbox"/>	100	107.3	107.3
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	104.7	104.7
a cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	245.3	98.1
a QC 250	6	<input checked="" type="checkbox"/>	250	211.2	84.5
a cal 7-500ng/mL	7	<input type="checkbox"/>	500	902.6	180.5
a cal 8-1000ng/mL	8	<input type="checkbox"/>	1000	883.8	88.4
a qc 1000	8	<input type="checkbox"/>	1000	851.6	85.2

Samples not evaluated below 10ng/mL

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1a.batch.bin
Last Calib Update 5/9/2017 10:27 AM **Analyst Name** ISP TOX

Target Compound Oxycodone
Internal Standard Oxycodone-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng/mL	1	<input checked="" type="checkbox"/>	5	6.3	126.6
a cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	10.0	99.5
a QC 10	2	<input checked="" type="checkbox"/>	10	10.5	105.1
a cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	22.9	91.7
a cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	45.0	89.9
a cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	90.9	90.9
a qc 100	5	<input checked="" type="checkbox"/>	100	98.3	98.3
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	90.5	90.5
a cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	236.5	94.6
a QC 250	6	<input checked="" type="checkbox"/>	250	231.0	92.4
a cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	538.9	107.8
a cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	1000	989.5	99.0
a qc 1000	8	<input checked="" type="checkbox"/>	1000	901.6	90.2

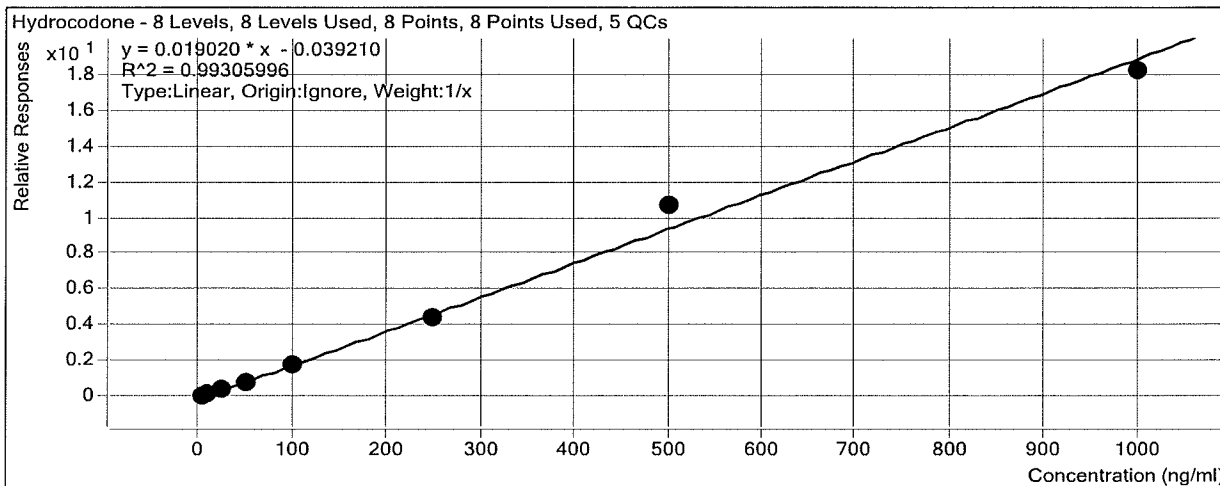
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1a.batch.bin
5/9/2017 10:27 AM

Analyst Name ISP TOX

Target Compound *Hydrocodone*
Internal Standard *Hydrocodone-D6*

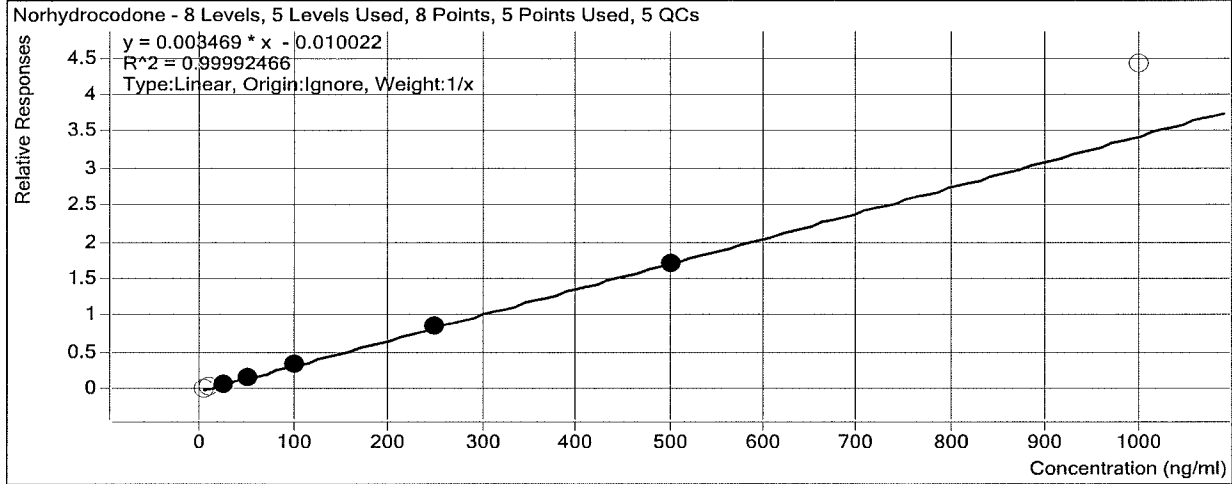


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng/mL	1	<input checked="" type="checkbox"/>	5	5.9	118.7
a cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	9.7	96.9
a QC 10	2	<input checked="" type="checkbox"/>	10	10.5	105.2
a cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	23.7	94.8
a cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	45.6	91.1
a cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	95.4	95.4
a qc 100	5	<input checked="" type="checkbox"/>	100	96.4	96.4
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	85.7	85.7
a cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	234.9	94.0
a QC 250	6	<input checked="" type="checkbox"/>	250	230.5	92.2
a cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	566.6	113.3
a cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	1000	958.2	95.8
a qc 1000	8	<input checked="" type="checkbox"/>	1000	901.6	90.2

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1a.batch.bin
Last Calib Update 5/9/2017 10:27 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng/mL	1	<input type="checkbox"/>	5	7.2	143.3
a cal 2-10ng/mL	2	<input type="checkbox"/>	10	10.7	106.9
a QC 10	2	<input checked="" type="checkbox"/>	10	10.8	108.1
a cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	25.4	101.4
a cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	49.3	98.6
a cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	99.3	99.3
a qc 100	5	<input checked="" type="checkbox"/>	100	101.9	101.9
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	104.8	104.8
a cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	252.3	100.9
a QC 250	6	<input checked="" type="checkbox"/>	250	278.1	111.3
a cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	498.7	99.7
a cal 8-1000ng/mL	8	<input type="checkbox"/>	1000	1275.5	127.6
a qc 1000	8	<input type="checkbox"/>	1000	1406.8	140.7

Samples not evaluated below 25ng/mL

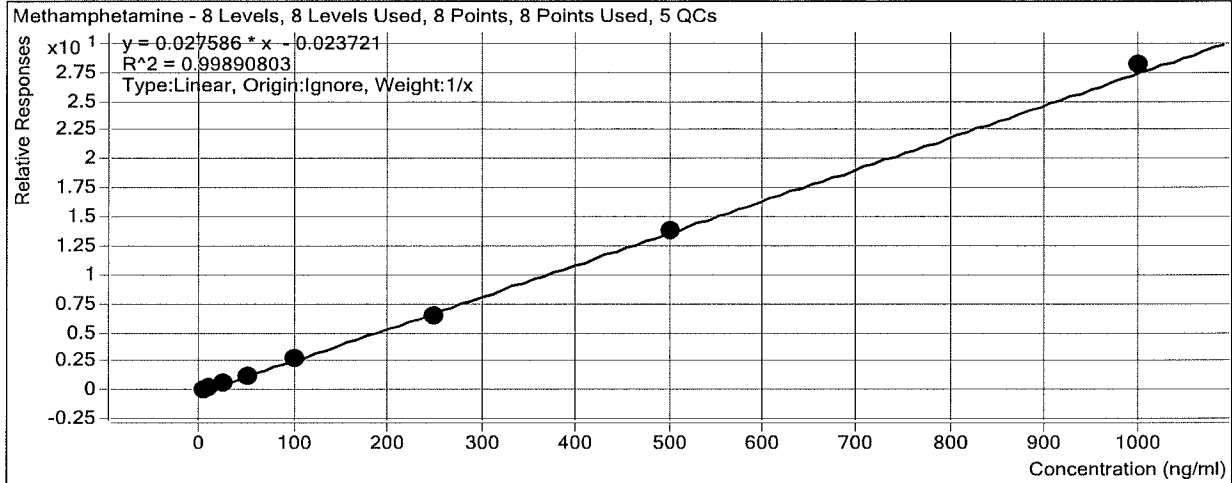
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

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5/9/2017 10:27 AM

Analyst Name ISP TOX

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

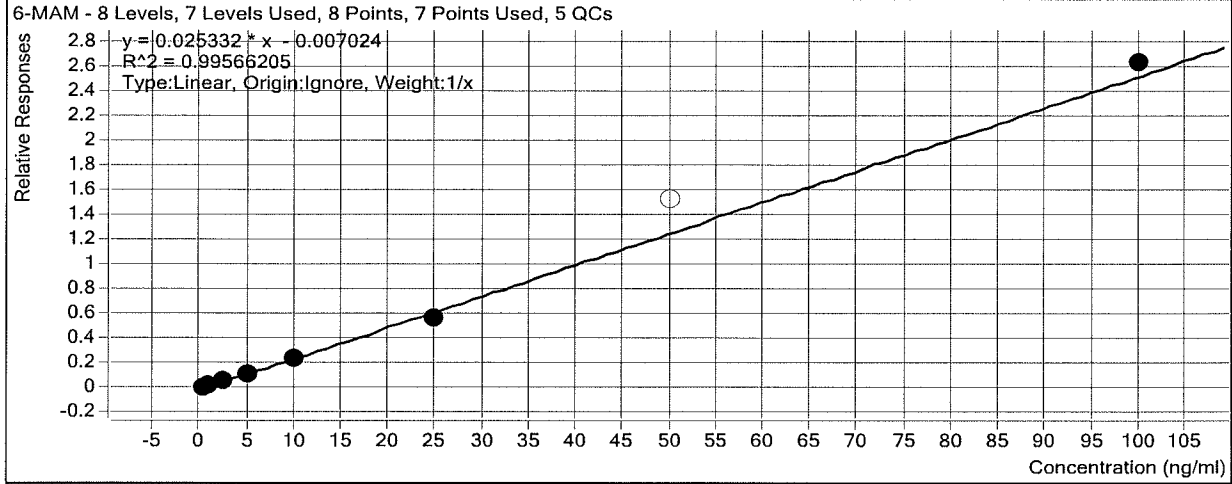


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng/mL	1	<input checked="" type="checkbox"/>	5	5.6	112.9
a cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	9.9	99.1
a QC 10	2	<input checked="" type="checkbox"/>	10	8.1	81.1
a cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	24.6	98.3
a cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	47.8	95.6
a cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	99.3	99.3
a qc 100	5	<input checked="" type="checkbox"/>	100	90.5	90.5
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	86.2	86.2
a cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	232.0	92.8
a QC 250	6	<input checked="" type="checkbox"/>	250	220.6	88.2
a cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	499.8	100.0
a cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	1000	1021.0	102.1
a qc 1000	8	<input checked="" type="checkbox"/>	1000	907.8	90.8

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1a.batch.bin
Last Calib Update 5/9/2017 10:27 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/mL	1	<input checked="" type="checkbox"/>	0.5	0.6	120.5
a cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	1	1.1	106.1
a QC 10	2	<input type="checkbox"/>	1	1.1	114.8
a cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	2.5	2.4	98.0
a cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	5	4.4	88.9
a cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	10	9.4	93.6
a qc 100	5	<input checked="" type="checkbox"/>	10	9.6	96.2
a qc 100 2nd	5	<input checked="" type="checkbox"/>	10	9.1	91.3
a cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	25	22.3	89.1
a QC 250	6	<input checked="" type="checkbox"/>	25	23.6	94.2
a cal 7-500ng/mL	7	<input type="checkbox"/>	50	60.1	120.2
a cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	100	103.8	103.8
a qc 1000	8	<input checked="" type="checkbox"/>	100	106.2	106.2

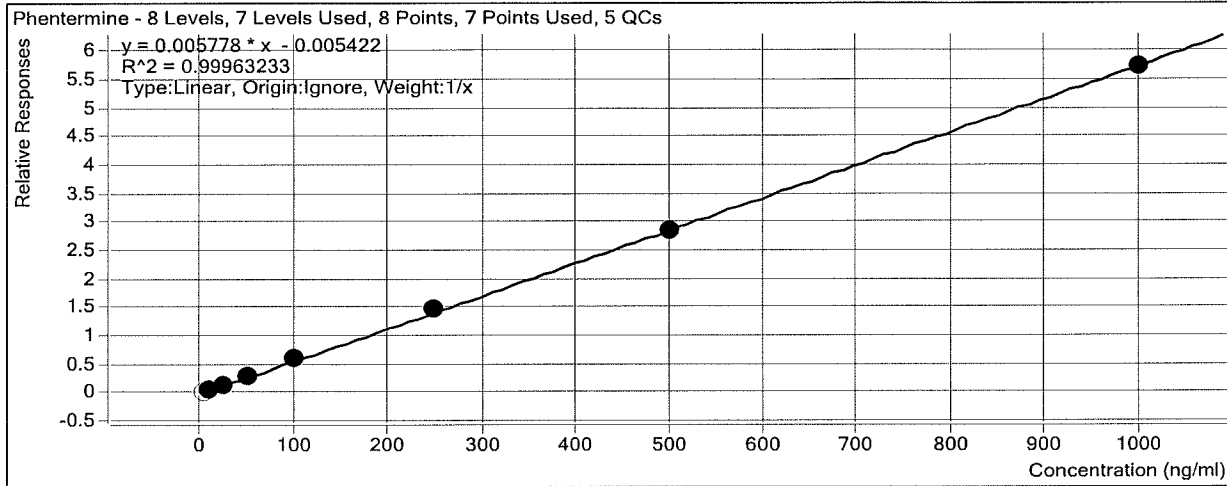
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1a.batch.bin
5/9/2017 10:27 AM

Analyst Name ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng/mL	1	<input type="checkbox"/>	5	5.7	114.8
a cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	9.3	92.7
a QC 10	2	<input checked="" type="checkbox"/>	10	9.8	97.6
a cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	25.2	100.7
a cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	50.7	101.5
a cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	103.1	103.1
a qc 100	5	<input checked="" type="checkbox"/>	100	95.0	95.0
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	91.4	91.4
a cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	259.2	103.7
a QC 250	6	<input checked="" type="checkbox"/>	250	241.9	96.8
a cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	495.6	99.1
a cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	1000	991.9	99.2
a qc 1000	8	<input checked="" type="checkbox"/>	1000	901.9	90.2

Samples not evaluated below 10ng/mL

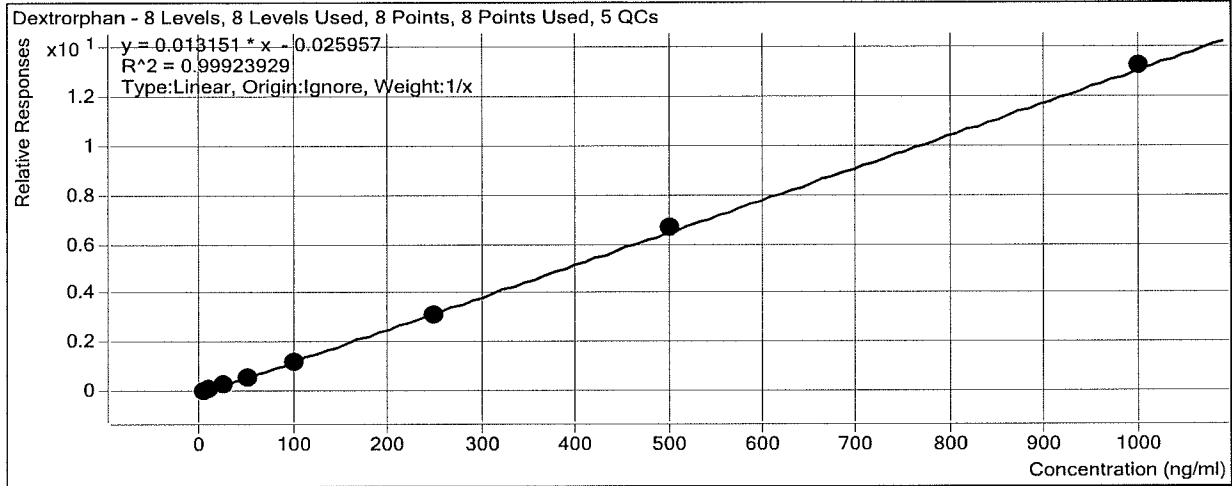
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1a.batch.bin
5/9/2017 10:27 AM

Analyst Name ISP TOX

Target Compound *Dextrorphan*
Internal Standard *Dextrorphan-D3*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng/mL	1	<input checked="" type="checkbox"/>	5	5.9	118.9
a cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	9.9	99.2
a QC 10	2	<input checked="" type="checkbox"/>	10	10.9	109.2
a cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	23.3	93.4
a cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	47.4	94.9
a cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	94.7	94.7
a qc 100	5	<input checked="" type="checkbox"/>	100	101.1	101.1
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	97.4	97.4
a cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	240.4	96.2
a QC 250	6	<input checked="" type="checkbox"/>	250	249.8	99.9
a cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	510.2	102.0
a cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	1000	1008.1	100.8
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1046.8	104.7

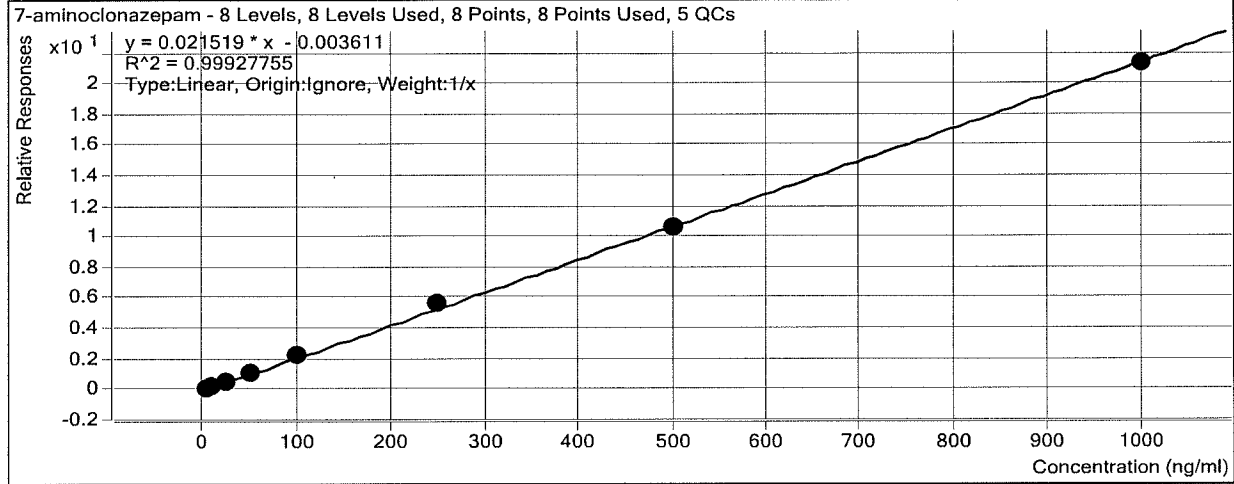
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1a.batch.bin
5/9/2017 10:27 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/mL	1	<input checked="" type="checkbox"/>	5	4.9	98.1
a cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	9.3	93.0
a QC 10	2	<input checked="" type="checkbox"/>	10	10.3	103.1
a cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	24.6	98.3
a cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	51.3	102.6
a cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	105.4	105.4
a qc 100	5	<input checked="" type="checkbox"/>	100	111.2	111.2
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	105.4	105.4
a cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	262.9	105.2
a QC 250	6	<input checked="" type="checkbox"/>	250	260.1	104.0
a cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	492.3	98.5
a cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	1000	989.3	98.9
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1006.2	100.6

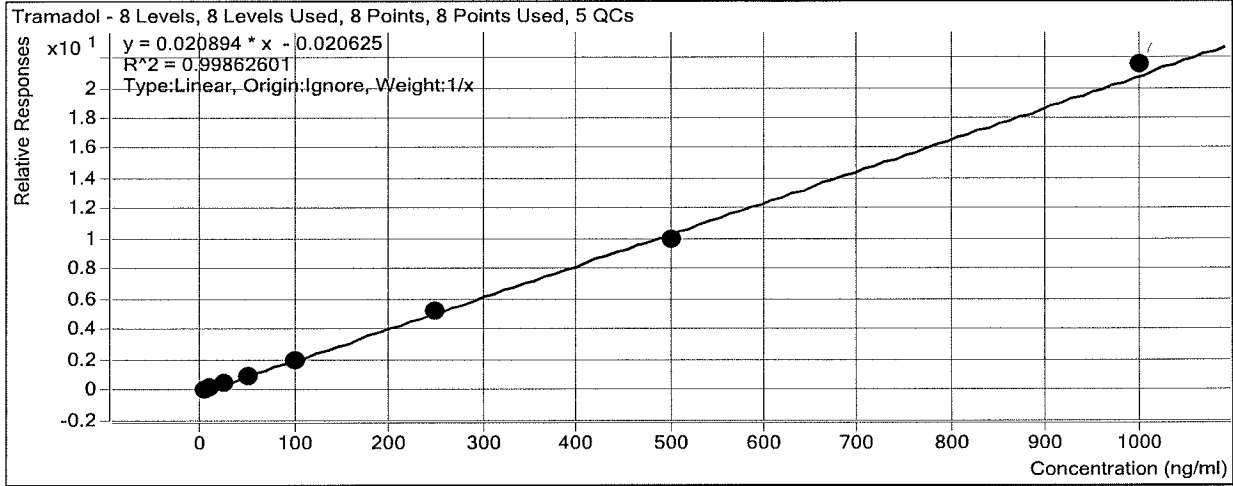
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1a.batch.bin
5/9/2017 10:27 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/mL	1	<input checked="" type="checkbox"/>	5	5.5	110.6
a cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	10.6	105.8
a QC 10	2	<input checked="" type="checkbox"/>	10	11.2	112.4
a cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	23.6	94.3
a cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	48.2	96.3
a cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	94.6	94.6
a qc 100	5	<input checked="" type="checkbox"/>	100	97.0	97.0
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	92.2	92.2
a cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	249.5	99.8
a QC 250	6	<input checked="" type="checkbox"/>	250	248.1	99.2
a cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	477.8	95.6
a cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	1000	1030.3	103.0
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1037.0	103.7

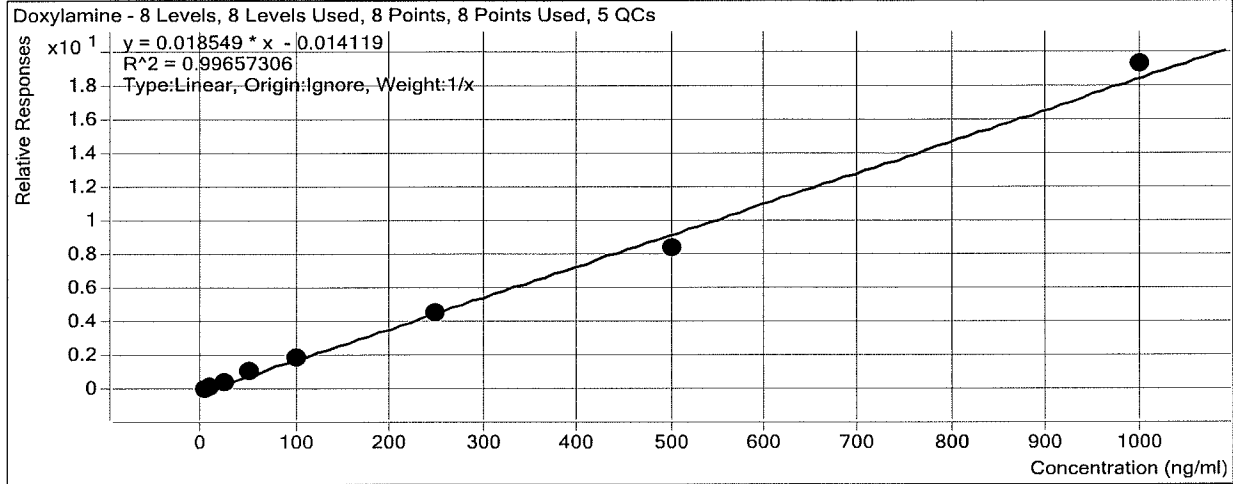
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1a.batch.bin
5/9/2017 10:27 AM

Analyst Name ISP TOX

Target Compound Doxylamine
Internal Standard Doxylamine-D5



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng/mL	1	<input checked="" type="checkbox"/>	5	5.0	100.5
a cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	9.5	95.2
a QC 10	2	<input checked="" type="checkbox"/>	10	8.7	87.2
a cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	24.2	96.7
a cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	56.0	112.0
a cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	101.1	101.1
a qc 100	5	<input checked="" type="checkbox"/>	100	100.9	100.9
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	99.0	99.0
a cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	248.1	99.3
a QC 250	6	<input checked="" type="checkbox"/>	250	262.1	104.8
a cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	456.7	91.3
a cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	1000	1039.4	103.9
a qc 1000	8	<input checked="" type="checkbox"/>	1000	967.5	96.8

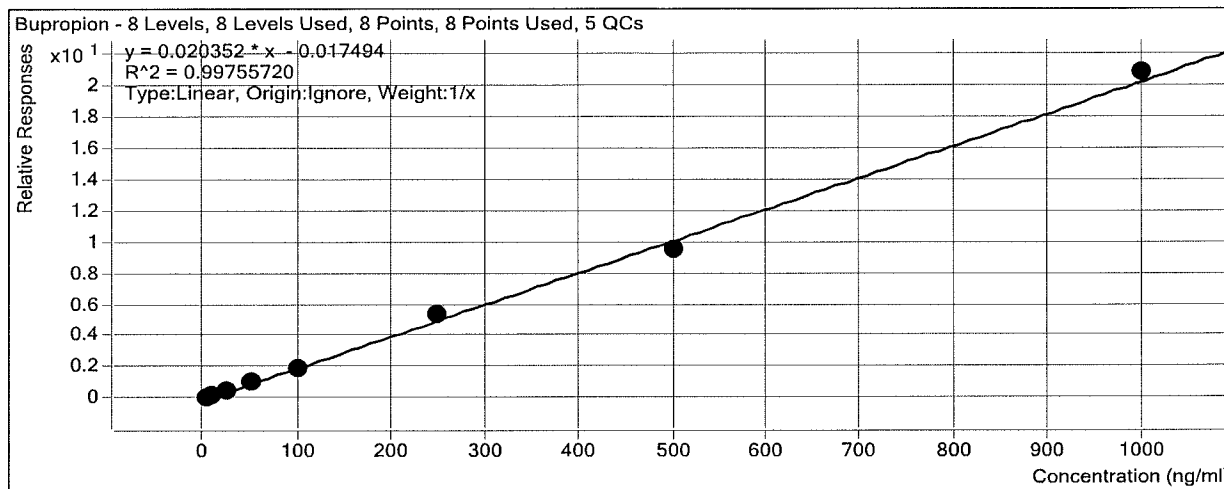
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1a.batch.bin
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Analyst Name ISP TOX

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

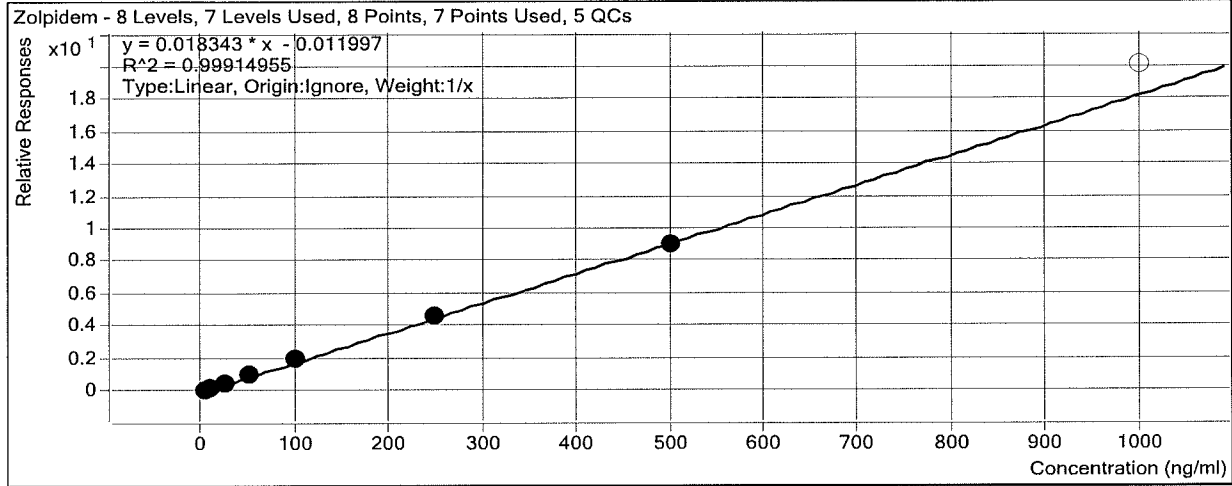


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng/mL	1	<input checked="" type="checkbox"/>	5	5.6	112.3
a cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	9.2	92.5
a QC 10	2	<input checked="" type="checkbox"/>	10	9.3	92.7
a cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	23.3	93.1
a cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	53.8	107.5
a cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	93.4	93.4
a qc 100	5	<input checked="" type="checkbox"/>	100	101.3	101.3
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	80.0	80.0
a cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	263.2	105.3
a QC 250	6	<input checked="" type="checkbox"/>	250	232.1	92.8
a cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	467.6	93.5
a cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	1000	1023.9	102.4
a qc 1000	8	<input checked="" type="checkbox"/>	1000	884.9	88.5

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1a.batch.bin
Last Calib Update 5/9/2017 10:27 AM **Analyst Name** ISP TOX

Target Compound Zolpidem
Internal Standard Zolpidem-D6

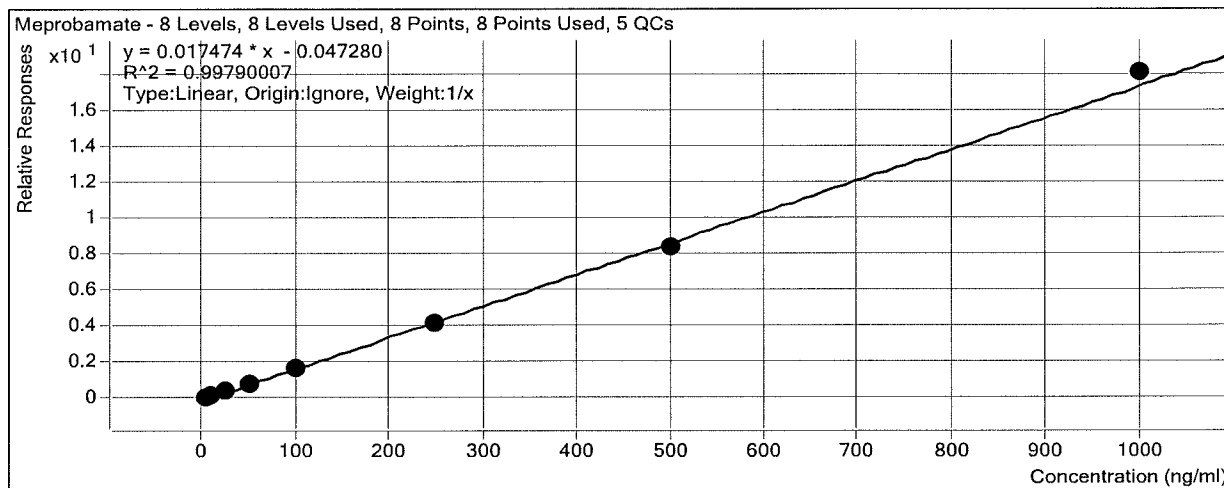


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng/mL	1	<input checked="" type="checkbox"/>	5	4.7	93.9
a cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	9.8	97.9
a QC 10	2	<input checked="" type="checkbox"/>	10	11.4	114.3
a cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	24.7	99.0
a cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	52.1	104.2
a cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	105.8	105.8
a qc 100	5	<input checked="" type="checkbox"/>	100	110.5	110.5
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	85.0	85.0
a cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	252.9	101.2
a QC 250	6	<input checked="" type="checkbox"/>	250	244.0	97.6
a cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	489.9	98.0
a cal 8-1000ng/mL	8	<input type="checkbox"/>	1000	1095.9	109.6
a qc 1000	8	<input type="checkbox"/>	1000	1019.6	102.0

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1a.batch.bin
Last Calib Update 5/9/2017 10:27 AM **Analyst Name** ISP TOX

Target Compound Meprobamate
Internal Standard Meprobamate-D7

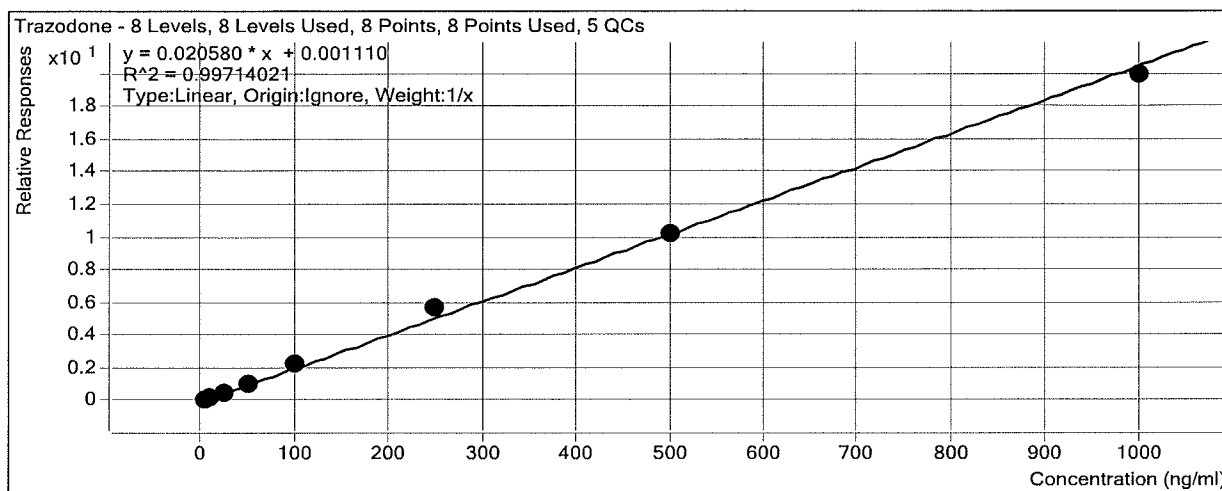


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng/mL	1	<input checked="" type="checkbox"/>	5	6.5	129.9
a cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	10.0	100.1
a QC 10	2	<input checked="" type="checkbox"/>	10	11.0	109.9
a cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	21.9	87.7
a cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	45.7	91.5
a cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	94.2	94.2
a qc 100	5	<input checked="" type="checkbox"/>	100	94.4	94.4
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	92.8	92.8
a cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	240.1	96.0
a QC 250	6	<input checked="" type="checkbox"/>	250	244.1	97.6
a cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	484.9	97.0
a cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	1000	1036.7	103.7
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1076.6	107.7

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1a.batch.bin
Last Calib Update 5/9/2017 10:27 AM **Analyst Name** ISP TOX

Target Compound Trazodone
Internal Standard Trazodone-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng/mL	1	<input checked="" type="checkbox"/>	5	4.7	94.2
a cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	8.8	88.2
a QC 10	2	<input checked="" type="checkbox"/>	10	9.6	96.5
a cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	24.8	99.0
a cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	51.7	103.5
a cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	107.9	107.9
a qc 100	5	<input checked="" type="checkbox"/>	100	119.7	119.7
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	106.9	106.9
a cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	278.0	111.2
a QC 250	6	<input checked="" type="checkbox"/>	250	271.1	108.4
a cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	497.1	99.4
a cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	1000	967.0	96.7
a qc 1000	8	<input checked="" type="checkbox"/>	1000	834.8	83.5

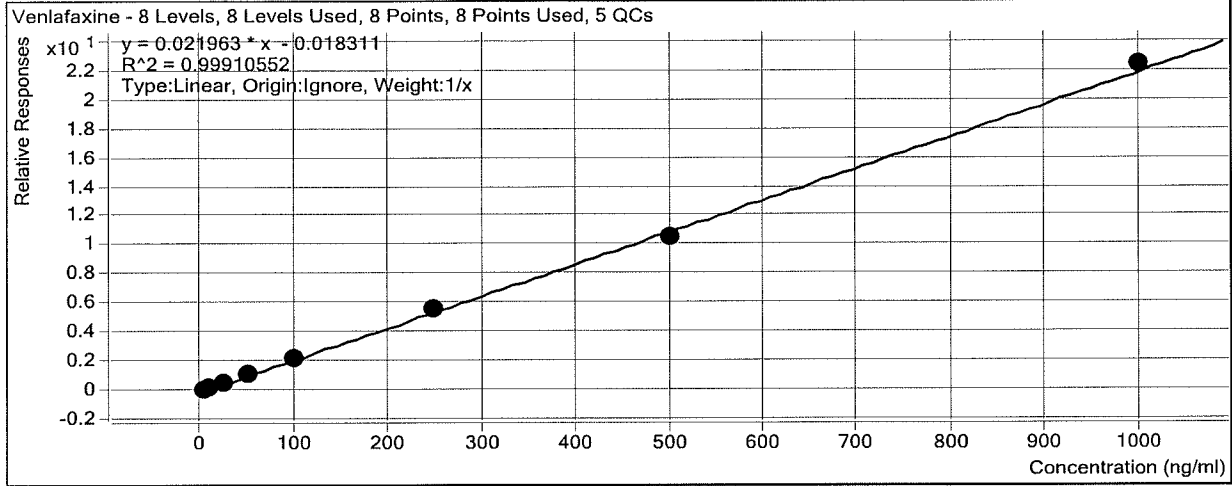
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

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5/9/2017 10:27 AM

Analyst Name ISP TOX

Target Compound Venlafaxine
Internal Standard Venlafaxine-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng/mL	1	<input checked="" type="checkbox"/>	5	5.6	112.1
a cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	9.6	96.3
a QC 10	2	<input checked="" type="checkbox"/>	10	10.3	103.5
a cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	23.9	95.6
a cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	48.6	97.3
a cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	98.6	98.6
a qc 100	5	<input checked="" type="checkbox"/>	100	100.7	100.7
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	97.6	97.6
a cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	256.3	102.5
a QC 250	6	<input checked="" type="checkbox"/>	250	247.3	98.9
a cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	478.9	95.8
a cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	1000	1018.5	101.8
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1012.4	101.2

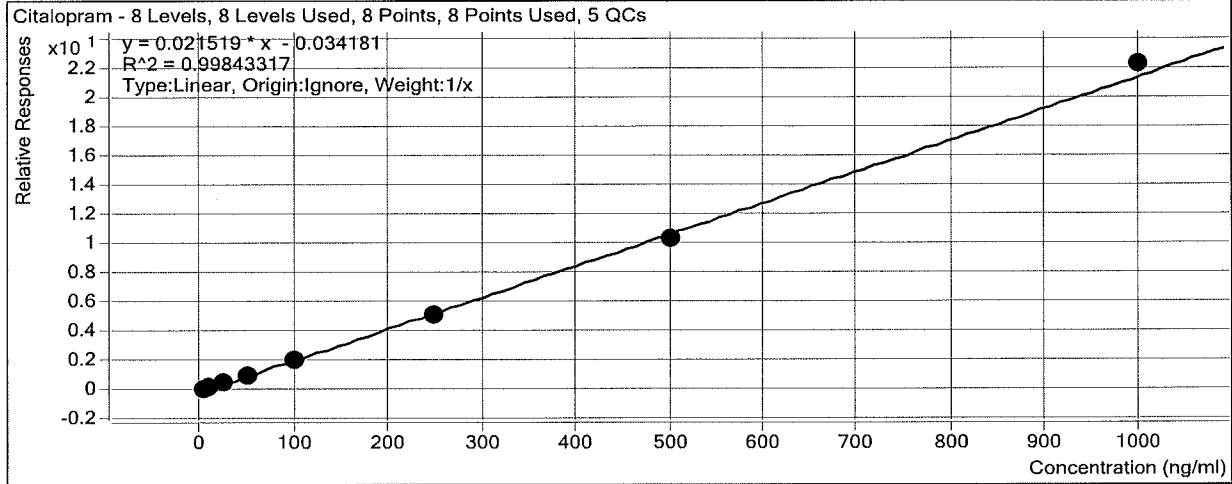
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

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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/mL	1	<input checked="" type="checkbox"/>	5	6.1	121.6
a cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	9.7	96.6
a QC 10	2	<input checked="" type="checkbox"/>	10	9.7	97.5
a cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	24.2	96.8
a cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	46.3	92.7
a cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	95.8	95.8
a qc 100	5	<input checked="" type="checkbox"/>	100	103.5	103.5
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	93.5	93.5
a cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	241.3	96.5
a QC 250	6	<input checked="" type="checkbox"/>	250	244.4	97.8
a cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	482.6	96.5
a cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	1000	1034.0	103.4
a qc 1000	8	<input checked="" type="checkbox"/>	1000	996.6	99.7

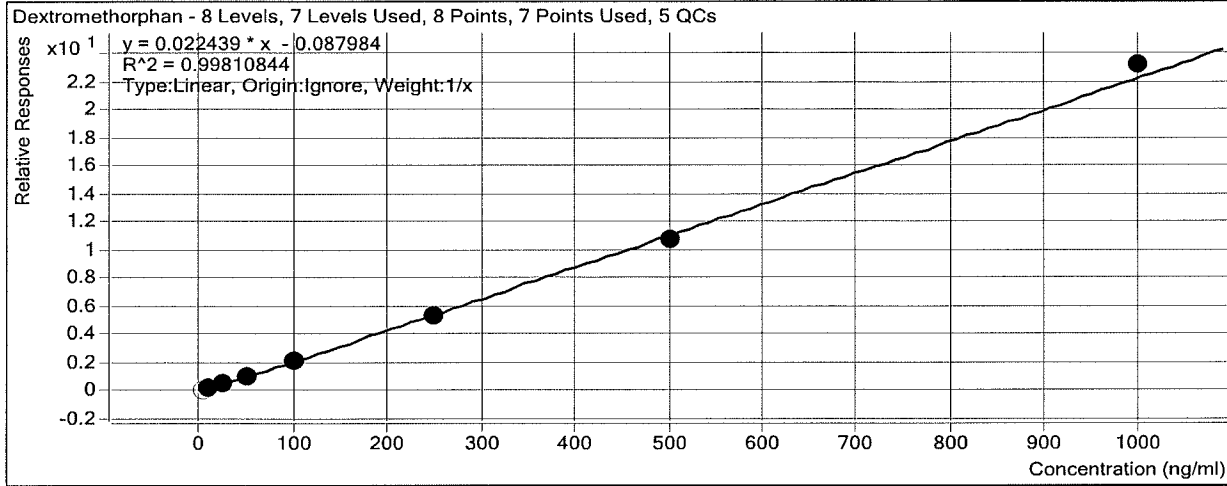
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1a.batch.bin
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Analyst Name ISP TOX

Target Compound *Dextromethorphan*
Internal Standard *Dextromethorphan-D3*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng/mL	1	<input type="checkbox"/>	5	7.5	149.2
a cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	11.3	113.1
a QC 10	2	<input checked="" type="checkbox"/>	10	12.9	129.1
a cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	25.3	101.2
a cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	45.8	91.6
a cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	99.3	99.3
a qc 100	5	<input checked="" type="checkbox"/>	100	112.7	112.7
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	94.7	94.7
a cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	238.5	95.4
a QC 250	6	<input checked="" type="checkbox"/>	250	238.1	95.2
a cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	479.5	95.9
a cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	1000	1035.3	103.5
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1061.2	106.1

Samples not evaluated below 10ng/mL

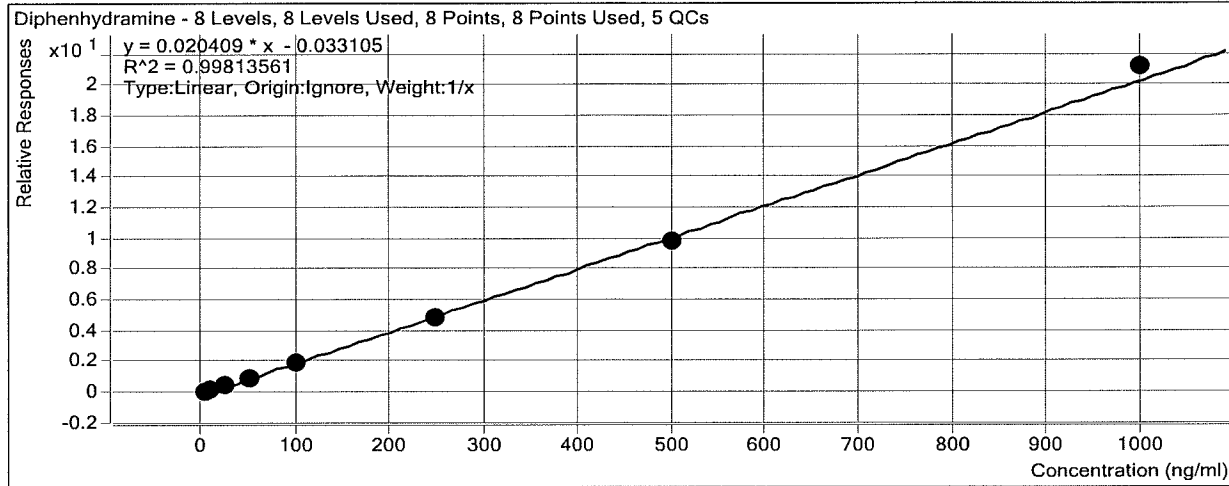
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

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Analyst Name ISP TOX

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

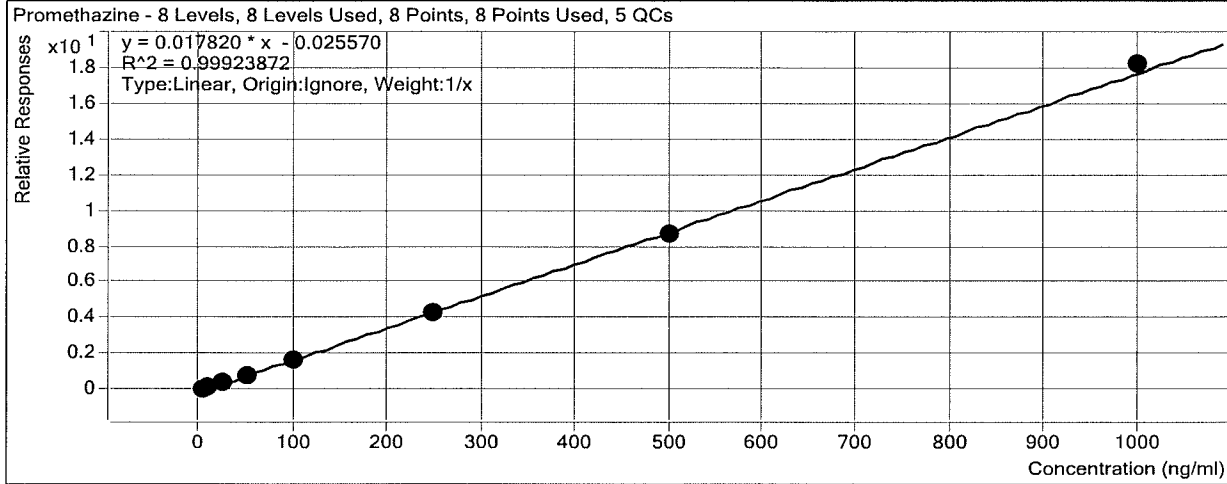


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng/mL	1	<input checked="" type="checkbox"/>	5	5.9	118.4
a cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	10.0	99.7
a QC 10	2	<input checked="" type="checkbox"/>	10	11.2	111.5
a cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	24.1	96.3
a cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	47.0	94.0
a cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	96.3	96.3
a qc 100	5	<input checked="" type="checkbox"/>	100	102.5	102.5
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	96.4	96.4
a cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	238.6	95.4
a QC 250	6	<input checked="" type="checkbox"/>	250	254.6	101.8
a cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	479.9	96.0
a cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	1000	1038.2	103.8
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1015.7	101.6

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1a.batch.bin
Last Calib Update 5/9/2017 10:27 AM **Analyst Name** ISP TOX

Target Compound Promethazine
Internal Standard Promethazine-D3

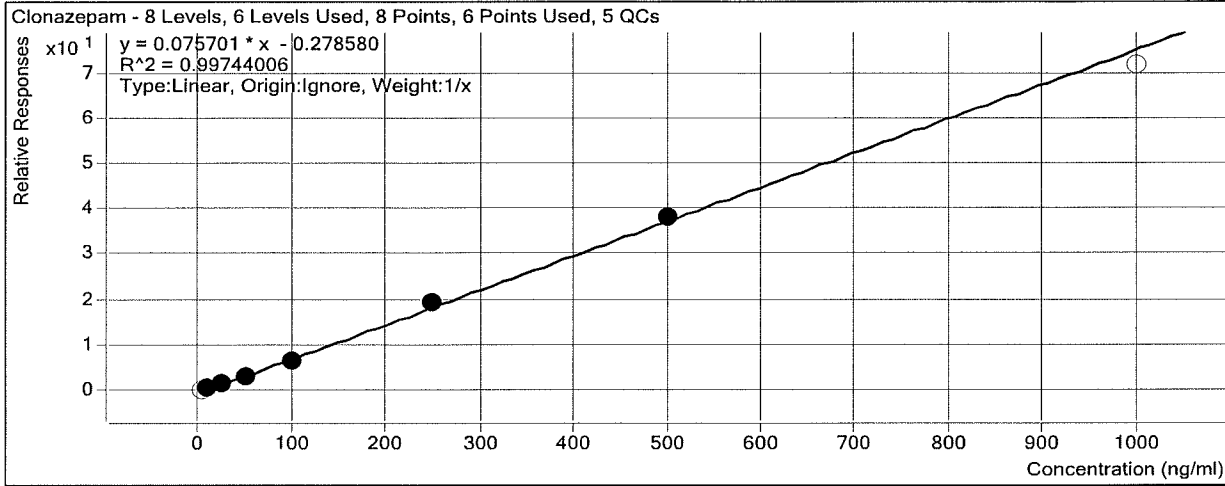


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng/mL	1	<input checked="" type="checkbox"/>	5	5.7	114.7
a cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	10.2	102.2
a QC 10	2	<input checked="" type="checkbox"/>	10	10.4	104.1
a cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	23.9	95.6
a cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	46.8	93.7
a cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	95.8	95.8
a qc 100	5	<input checked="" type="checkbox"/>	100	99.2	99.2
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	88.8	88.8
a cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	244.3	97.7
a QC 250	6	<input checked="" type="checkbox"/>	250	256.8	102.7
a cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	490.8	98.2
a cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	1000	1022.5	102.2
a qc 1000	8	<input checked="" type="checkbox"/>	1000	907.1	90.7

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1a.batch.bin
Last Calib Update 5/9/2017 10:27 AM **Analyst Name** ISP TOX

Target Compound Clonazepam
Internal Standard Clonazepam-D4



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng/mL	1	<input type="checkbox"/>	5	6.8	136.5
a cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	12.2	121.5
a QC 10	2	<input checked="" type="checkbox"/>	10	12.2	122.2
a cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	22.7	91.0
a cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	45.7	91.5
a cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	92.2	92.2
a qc 100	5	<input checked="" type="checkbox"/>	100	110.9	110.9
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	106.2	106.2
a cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	256.8	102.7
a QC 250	6	<input checked="" type="checkbox"/>	250	233.0	93.2
a cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	505.3	101.1
a cal 8-1000ng/mL	8	<input type="checkbox"/>	1000	949.0	94.9
a qc 1000	8	<input type="checkbox"/>	1000	901.4	90.1

Samples not evaluated below 10ng/mL

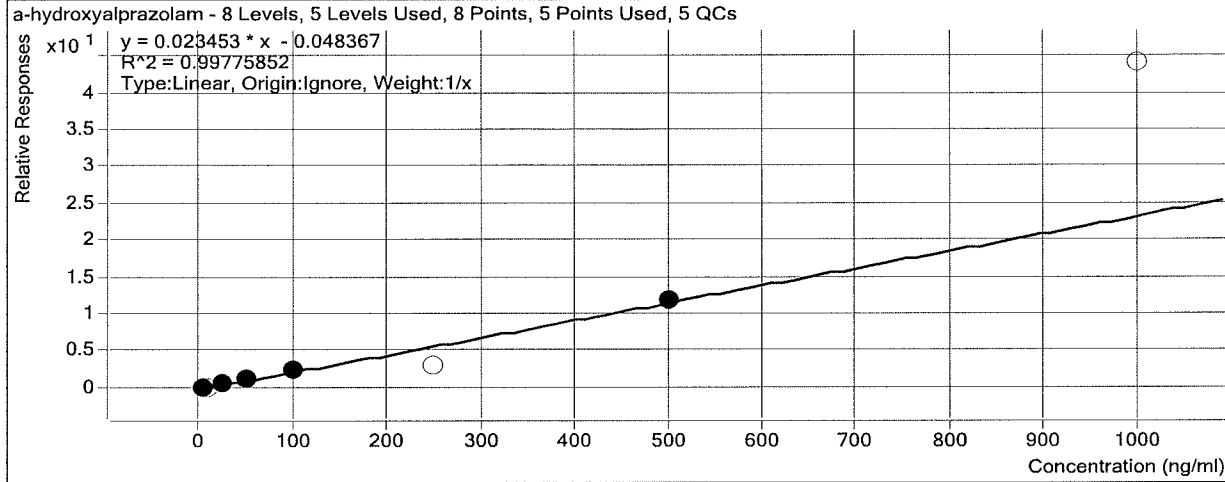
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1a.batch.bin
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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/mL	1	<input checked="" type="checkbox"/>	5	6.0	119.8
a cal 2-10ng/mL	2	<input type="checkbox"/>	10	6.5	64.7
a QC 10	2	<input checked="" type="checkbox"/>	10	12.7	126.9
a cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	20.2	81.0
a cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	47.7	95.4
a cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	103.2	103.2
a qc 100	5	<input checked="" type="checkbox"/>	100	101.0	101.0
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	97.4	97.4
a cal 6-250ng/mL	6	<input type="checkbox"/>	250	137.0	54.8
a QC 250	6	<input type="checkbox"/>	250	270.7	108.3
a cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	502.9	100.6
a cal 8-1000ng/mL	8	<input type="checkbox"/>	1000	1879.2	187.9
a qc 1000	8	<input type="checkbox"/>	1000	1984.7	198.5

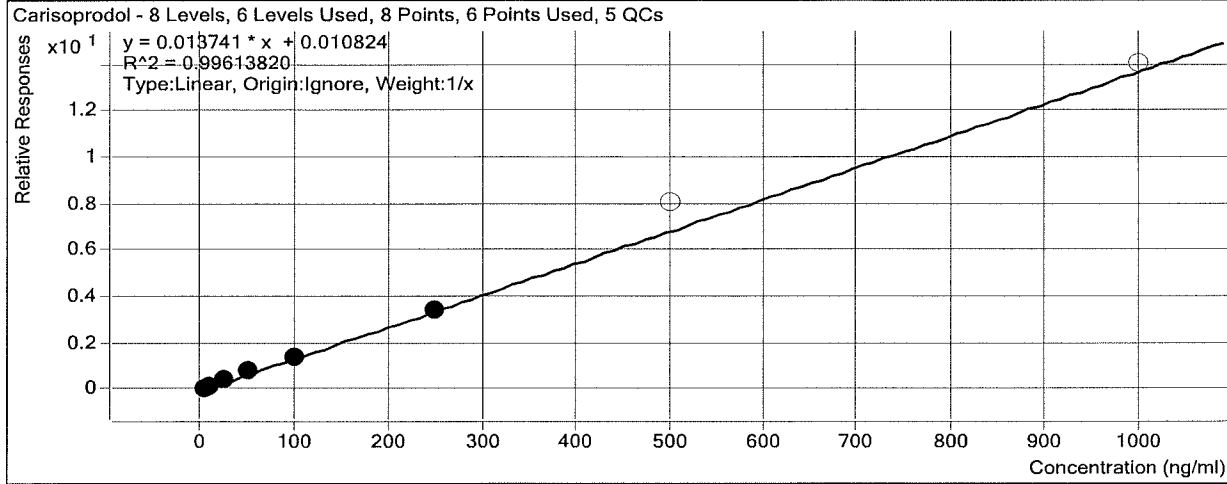
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1a.batch.bin
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Analyst Name ISP TOX

Target Compound *Carisoprodol*
Internal Standard *Carisoprodol-D7*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng/mL	1	<input checked="" type="checkbox"/>	5	4.4	87.3
a cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	9.3	92.6
a QC 10	2	<input checked="" type="checkbox"/>	10	10.2	102.0
a cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	28.4	113.8
a cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	55.3	110.6
a cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	97.9	97.9
a qc 100	5	<input checked="" type="checkbox"/>	100	118.0	118.0
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	117.7	117.7
a cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	244.8	97.9
a QC 250	6	<input checked="" type="checkbox"/>	250	277.6	111.1
a cal 7-500ng/mL	7	<input type="checkbox"/>	500	588.7	117.7
a cal 8-1000ng/mL	8	<input type="checkbox"/>	1000	1020.8	102.1
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1012.4	101.2

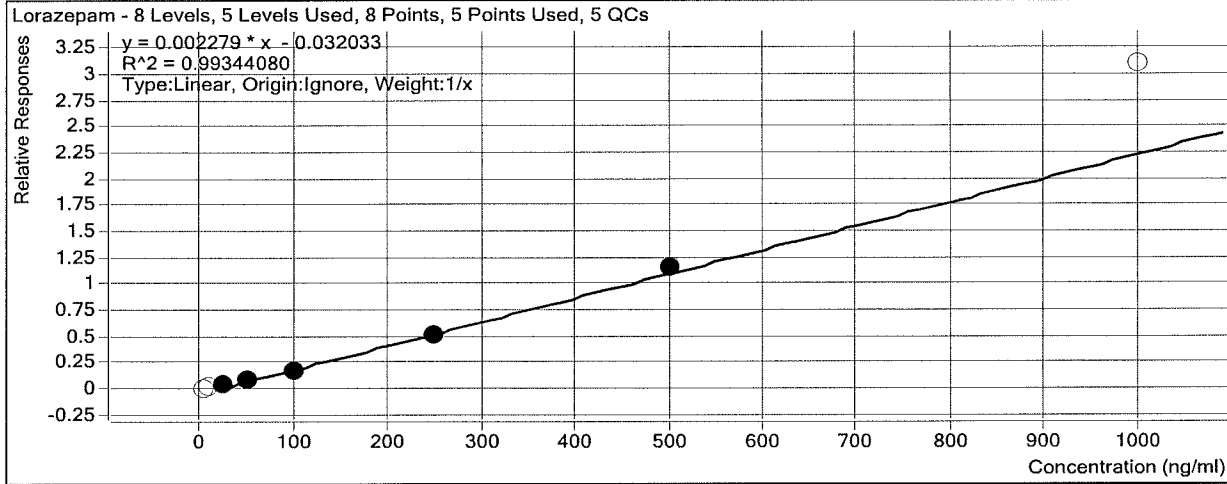
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1a.batch.bin
5/9/2017 10:27 AM

Analyst Name ISP TOX

Target Compound Lorazepam
Internal Standard Alprazolam-D5



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng/mL	1	<input type="checkbox"/>	5	16.9	338.1
a cal 2-10ng/mL	2	<input type="checkbox"/>	10	19.5	194.6
a QC 10	2	<input checked="" type="checkbox"/>	10	21.3	213.1
a cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	29.9	119.5
a cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	46.3	92.7
a cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	87.0	87.0
a qc 100	5	<input checked="" type="checkbox"/>	100	102.7	102.7
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	87.4	87.4
a cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	242.2	96.9
a QC 250	6	<input checked="" type="checkbox"/>	250	248.6	99.5
a cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	519.6	103.9
a cal 8-1000ng/mL	8	<input type="checkbox"/>	1000	1374.3	137.4
a qc 1000	8	<input type="checkbox"/>	1000	1353.9	135.4

Samples not evaluated below 25ng/mL

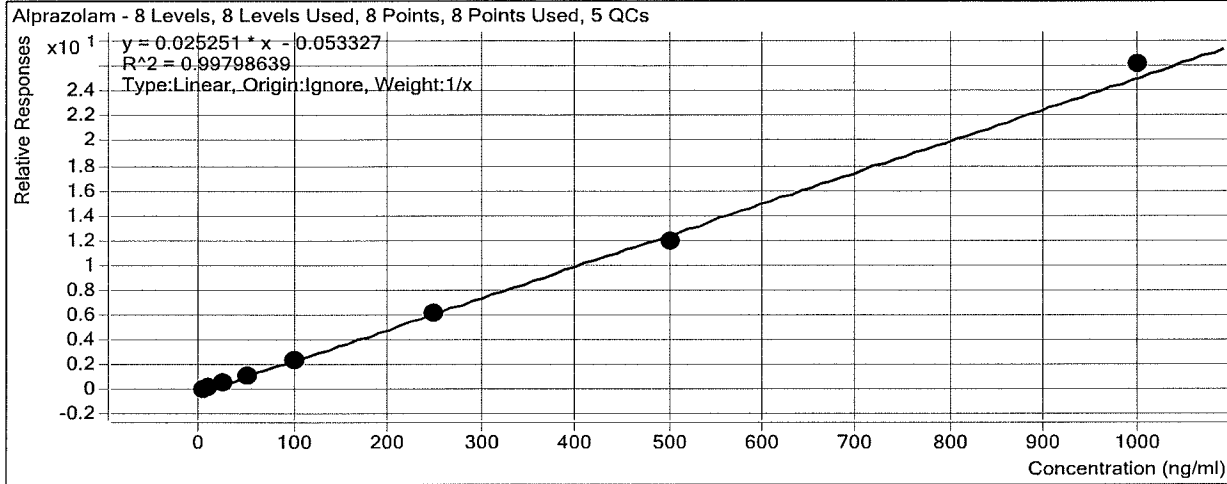
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1a.batch.bin
5/9/2017 10:27 AM

Analyst Name ISP TOX

Target Compound Alprazolam
Internal Standard Alprazolam-D5



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng/mL	1	<input checked="" type="checkbox"/>	5	6.1	122.6
a cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	10.1	101.2
a QC 10	2	<input checked="" type="checkbox"/>	10	11.3	112.8
a cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	22.9	91.8
a cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	46.2	92.4
a cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	94.7	94.7
a qc 100	5	<input checked="" type="checkbox"/>	100	105.3	105.3
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	94.2	94.2
a cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	245.2	98.1
a QC 250	6	<input checked="" type="checkbox"/>	250	243.2	97.3
a cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	476.9	95.4
a cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	1000	1037.7	103.8
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1026.1	102.6

ISP FORENSICS - Cd'A Instrument # 62340

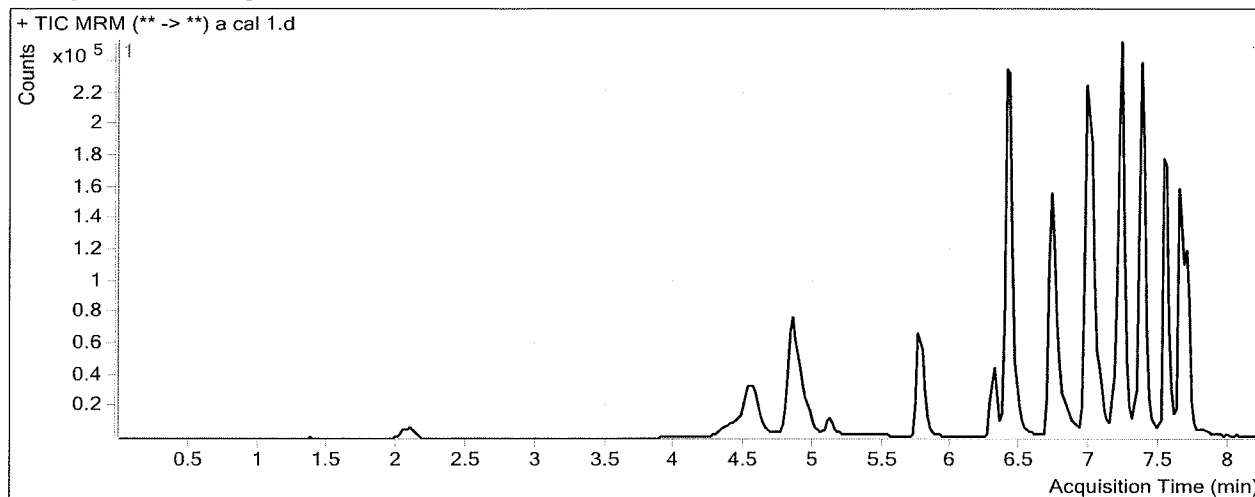
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1a.batch.bin		
Analysis Time	5/9/2017 10:28 AM	Analyst Name	ISP Tox
Report Time	5/9/2017 10:34 AM	Reporter Name	ISP Tox
Last Calib Update	5/9/2017 10:27 AM	Batch State	Processed

Analysis Info

Acq Time	2017-05-03 14:14	Data File	a cal 1.d
Sample Type	Calibration	Sample Name	a cal 1-5ng/mL
Dilution	1	Acq Method	Quant Panel 1a 2-13-17.m
Position	P1-A1	Sample Info	
Inj Vol	-1	Comment	AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.368	949	1839	0.5160	7.4666
Hydromorphone	Hydromorphone-D6	2.107	4332	35208	0.1230	6.3350
Codeine	Codeine-D6	4.276	454	4777	0.0949	7.5467
Amphetamine	Amphetamine-D11	4.543	67631	72362	0.9346	5.8332
Oxycodone	Oxycodone-D6	4.589	10623	132481	0.0802	6.3323
Hydrocodone	Hydrocodone-D6	4.913	6803	92340	0.0737	5.9351
Norhydrocodone	Norhydrocodone-D3	4.938	504	34000	0.0148	7.1627
Methamphetamine	Methamphetamine-D11	4.961	37701	285668	0.1320	5.6440
6-MAM	6-MAM-D6	5.128	256	31079	0.0082	0.6027
Phentermine	Phentermine-D5	5.804	6581	237281	0.0277	5.7387
Dextroprphan	Dextroprphan-D3	6.303	6057	115957	0.0522	5.9454
7-aminoclonazepam	7-Aminoclonazepam-D4	6.391	9085	89120	0.1019	4.9052
Tramadol	Tramadol-13C-D3	6.419	70183	739165	0.0949	5.5315
Doxylamine	Doxylamine-D5	6.743	48668	615470	0.0791	5.0241
Bupropion	Bupropion-D9	6.991	16130	166695	0.0968	5.6139
Zolpidem	Zolpidem-D6	6.999	39355	530857	0.0741	4.6957
Meprobamate	Meprobamate-D7	7.093	3569	53893	0.0662	6.4956
Trazodone	Trazodone-D6	7.215	24890	253935	0.0980	4.7088
Venlafaxine	Venlafaxine-D6	7.226	55900	533184	0.1048	5.6074
Citalopram	Citalopram-D6	7.337	25301	261702	0.0967	6.0811
Dextromethorphan	Dextromethorphan-D3	7.368	4286	53949	0.0794	7.4613
Diphenhydramine	Diphenhydramine-D3	7.392	35107	400057	0.0878	5.9219
Promethazine	Promethazine-D3	7.546	36599	477656	0.0766	5.7348

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

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.583	3336	14007	0.2382	6.8264
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.640	1580	17146	0.0921	5.9913
Carisoprodol	Carisoprodol-D7	7.672	20665	291975	0.0708	4.3632
Lorazepam	Alprazolam-D5	7.682	1268	195142	0.0065	16.9064
Alprazolam	Alprazolam-D5	7.706	19804	195142	0.1015	6.1310



ISP FORENSICS - Cd'A Instrument # 62340

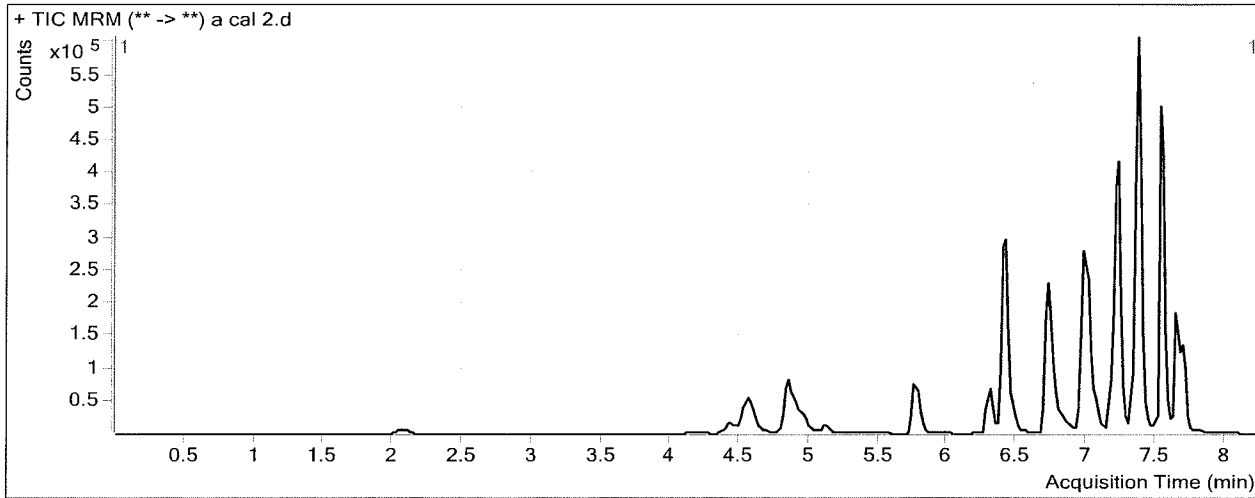
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1a.batch.bin
Analysis Time 5/9/2017 10:28 AM **Analyst Name** ISP Tox
Report Time 5/9/2017 10:34 AM **Reporter Name** ISP Tox
Last Calib Update 5/9/2017 10:27 AM **Batch State** Processed

Analysis Info

Acq Time 2017-05-03 14:40 **Data File** a cal 2.d
Sample Type Calibration **Sample Name** a cal 2-10ng/mL
Dilution 1 **Acq Method** Quant Panel 1a 2-13-17.m
Position P1-B1 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.368	2045	2197	0.9306	11.0053
Hydromorphone	Hydromorphone-D6	2.107	9437	38991	0.2420	10.1412
Codeine	Codeine-D6	4.216	4284	20521	0.2088	11.7420
Amphetamine	Amphetamine-D11	4.563	91775	83128	1.1040	7.7274
Oxycodone	Oxycodone-D6	4.609	21771	133197	0.1635	9.9510
Hydrocodone	Hydrocodone-D6	4.893	14685	101204	0.1451	9.6906
Norhydrocodone	Norhydrocodone-D3	4.938	1066	39377	0.0271	10.6935
Methamphetamine	Methamphetamine-D11	4.961	65433	262170	0.2496	9.9074
6-MAM	6-MAM-D6	5.108	655	32993	0.0198	1.0607
Phentermine	Phentermine-D5	5.804	13771	286148	0.0481	9.2680
Dextroprphan	Dextroprphan-D3	6.303	16710	159949	0.1045	9.9174
7-aminoclonazepam	7-Aminoclonazepam-D4	6.391	18316	93209	0.1965	9.2992
Tramadol	Tramadol-13C-D3	6.419	160135	798939	0.2004	10.5802
Doxylamine	Doxylamine-D5	6.743	133104	819115	0.1625	9.5214
Bupropion	Bupropion-D9	6.991	50242	294251	0.1707	9.2491
Zolpidem	Zolpidem-D6	6.999	95134	567574	0.1676	9.7920
Meprobamate	Meprobamate-D7	7.093	7217	56576	0.1276	10.0058
Trazodone	Trazodone-D6	7.195	86752	475280	0.1825	8.8152
Venlafaxine	Venlafaxine-D6	7.226	147532	764046	0.1931	9.6256
Citalopram	Citalopram-D6	7.337	105210	605731	0.1737	9.6598
Dextromethorphan	Dextromethorphan-D3	7.368	23475	141631	0.1658	11.3076
Diphenhydramine	Diphenhydramine-D3	7.372	155389	912541	0.1703	9.9657
Promethazine	Promethazine-D3	7.526	176497	1127356	0.1566	10.2206

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

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.583	7256	11313	0.6414	12.1527
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.660	1580	15271	0.1035	6.4743
Carisoprodol	Carisoprodol-D7	7.652	41083	297712	0.1380	9.2551
Lorazepam	Alprazolam-D5	7.682	2346	190602	0.0123	19.4567
Alprazolam	Alprazolam-D5	7.706	38538	190602	0.2022	10.1192



ISP FORENSICS - Cd'A Instrument # 62340

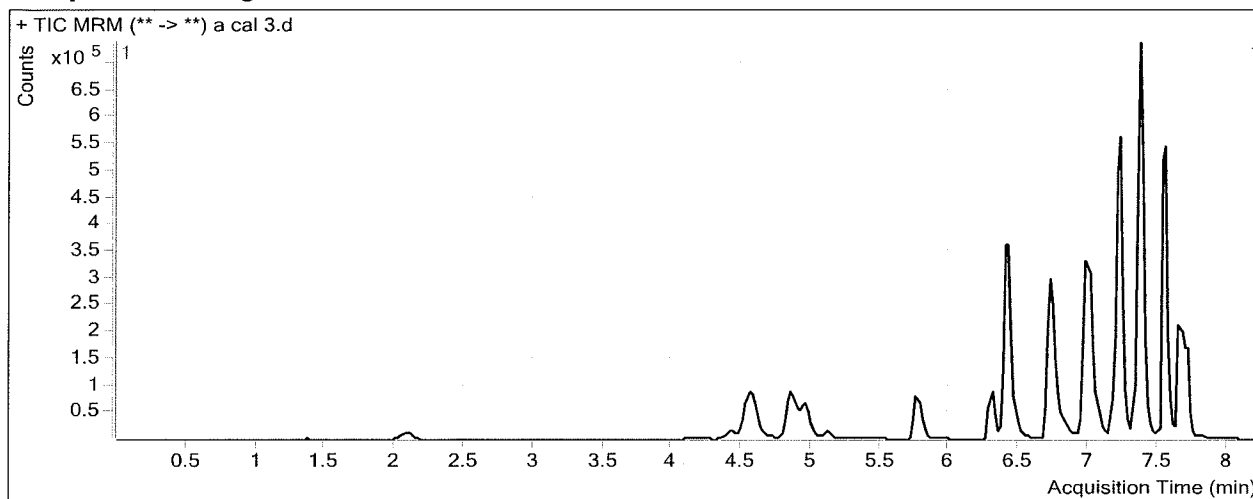
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1a.batch.bin		
Analysis Time	5/9/2017 10:28 AM	Analyst Name	ISP Tox
Report Time	5/9/2017 10:34 AM	Reporter Name	ISP Tox
Last Calib Update	5/9/2017 10:27 AM	Batch State	Processed

Analysis Info

Acq Time	2017-05-03 15:05	Data File	a cal 3.d
Sample Type	Calibration	Sample Name	a cal 3-25ng/mL
Dilution	1	Acq Method	Quant Panel 1a 2-13-17.m
Position	P1-C1	Sample Info	
Inj Vol	-1	Comment	AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.368	4886	2112	2.3135	22.8098
Hydromorphone	Hydromorphone-D6	2.087	24615	38900	0.6328	22.6385
Codeine	Codeine-D6	4.216	10770	19334	0.5570	24.5769
Amphetamine	Amphetamine-D11	4.563	232547	84815	2.7418	26.0394
Oxycodone	Oxycodone-D6	4.589	63380	137158	0.4621	22.9292
Hydrocodone	Hydrocodone-D6	4.893	40746	99052	0.4114	23.6894
Norhydrocodone	Norhydrocodone-D3	4.938	2798	35893	0.0779	25.3583
Methamphetamine	Methamphetamine-D11	4.961	189030	289044	0.6540	24.5669
6-MAM	6-MAM-D6	5.108	1868	33959	0.0550	2.4488
Phentermine	Phentermine-D5	5.804	39018	278656	0.1400	25.1732
Dextroprphan	Dextroprphan-D3	6.303	42340	150652	0.2810	23.3438
7-aminoclonazepam	7-Aminoclonazepam-D4	6.391	47437	90288	0.5254	24.5831
Tramadol	Tramadol-13C-D3	6.419	407909	864771	0.4717	23.5630
Doxylamine	Doxylamine-D5	6.743	348569	802308	0.4345	24.1827
Bupropion	Bupropion-D9	6.991	115150	252445	0.4561	23.2717
Zolpidem	Zolpidem-D6	6.999	259377	586971	0.4419	24.7449
Meprobamate	Meprobamate-D7	7.093	19017	56652	0.3357	21.9161
Trazodone	Trazodone-D6	7.215	226428	443565	0.5105	24.7504
Venlafaxine	Venlafaxine-D6	7.226	374408	739098	0.5066	23.8990
Citalopram	Citalopram-D6	7.337	266026	546451	0.4868	24.2110
Dextromethorphan	Dextromethorphan-D3	7.368	64036	133560	0.4795	25.2878
Diphenhydramine	Diphenhydramine-D3	7.372	381980	833543	0.4583	24.0762
Promethazine	Promethazine-D3	7.546	417148	1042545	0.4001	23.8890

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

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.583	17876	12387	1.4431	22.7431
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.640	7083	16606	0.4265	20.2486
Carisoprodol	Carisoprodol-D7	7.672	115361	287181	0.4017	28.4469
Lorazepam	Alprazolam-D5	7.682	6818	188946	0.0361	29.8871
Alprazolam	Alprazolam-D5	7.706	99388	188946	0.5260	22.9434



ISP FORENSICS - Cd'A Instrument # 62340

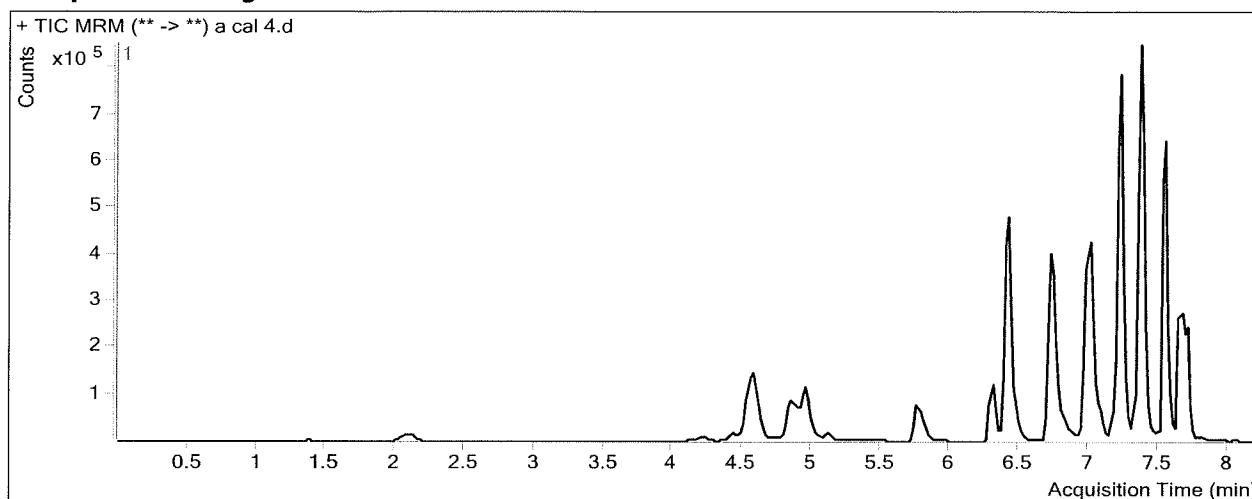
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1a.batch.bin		
Analysis Time	5/9/2017 10:28 AM	Analyst Name	ISP Tox
Report Time	5/9/2017 10:34 AM	Reporter Name	ISP Tox
Last Calib Update	5/9/2017 10:27 AM	Batch State	Processed

Analysis Info

Acq Time	2017-05-03 15:30	Data File	a cal 4.d
Sample Type	Calibration	Sample Name	a cal 4-50ng/mL
Dilution	1	Acq Method	Quant Panel 1a 2-13-17.m
Position	P1-D1	Sample Info	
Inj Vol	-1	Comment	AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.368	9867	1801	5.4780	49.8204
Hydromorphone	Hydromorphone-D6	2.107	45519	34382	1.3239	44.7449
Codeine	Codeine-D6	4.216	21270	18777	1.1328	45.7954
Amphetamine	Amphetamine-D11	4.583	380284	78038	4.8731	49.8686
Oxycodone	Oxycodone-D6	4.609	120468	124296	0.9692	44.9664
Hydrocodone	Hydrocodone-D6	4.893	75567	91314	0.8275	45.5710
Norhydrocodone	Norhydrocodone-D3	4.938	5372	33377	0.1610	49.2884
Methamphetamine	Methamphetamine-D11	4.961	341575	263813	1.2948	47.7954
6-MAM	6-MAM-D6	5.128	3220	30483	0.1056	4.4466
Phentermine	Phentermine-D5	5.804	73699	256089	0.2878	50.7485
Dextroprphan	Dextroprphan-D3	6.303	85501	143019	0.5978	47.4313
7-aminoclonazepam	7-Aminoclonazepam-D4	6.391	92251	83806	1.1008	51.3200
Tramadol	Tramadol-13C-D3	6.419	767993	779308	0.9855	48.1533
Doxylamine	Doxylamine-D5	6.743	658754	643138	1.0243	55.9799
Bupropion	Bupropion-D9	6.991	192302	178590	1.0768	53.7665
Zolpidem	Zolpidem-D6	6.999	487177	516170	0.9438	52.1097
Meprobamate	Meprobamate-D7	7.093	37737	50181	0.7520	45.7424
Trazodone	Trazodone-D6	7.215	419211	393241	1.0660	51.7458
Venlafaxine	Venlafaxine-D6	7.226	699741	666629	1.0497	48.6273
Citalopram	Citalopram-D6	7.337	464179	481960	0.9631	46.3436
Dextromethorphan	Dextromethorphan-D3	7.368	100267	106655	0.9401	45.8165
Diphenhydramine	Diphenhydramine-D3	7.392	652155	703866	0.9265	47.0209
Promethazine	Promethazine-D3	7.546	732018	905023	0.8088	46.8250

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

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.583	34324	10779	3.1842	45.7435
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.640	15684	14648	1.0707	47.7159
Carisoprodol	Carisoprodol-D7	7.672	205275	266283	0.7709	55.3156
Lorazepam	Alprazolam-D5	7.682	12744	173185	0.0736	46.3424
Alprazolam	Alprazolam-D5	7.706	192877	173185	1.1137	46.2176



ISP FORENSICS - Cd'A Instrument # 62340

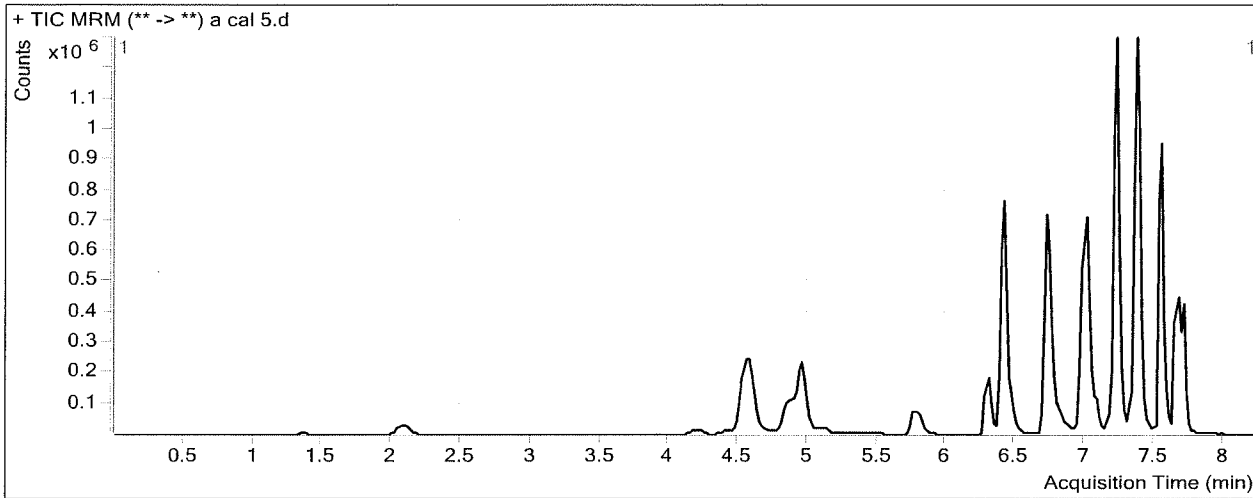
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1a.batch.bin
Analysis Time 5/9/2017 10:28 AM **Analyst Name** ISP Tox
Report Time 5/9/2017 10:34 AM **Reporter Name** ISP Tox
Last Calib Update 5/9/2017 10:27 AM **Batch State** Processed

Analysis Info

Acq Time 2017-05-03 15:56 **Data File** a cal 5.d
Sample Type Calibration **Sample Name** a cal 5-100ng/mL
Dilution 1 **Acq Method** Quant Panel 1a 2-13-17.m
Position P1-E1 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.368	19933	1758	11.3413	99.8671
Hydromorphone	Hydromorphone-D6	2.107	97432	33637	2.8966	95.0436
Codeine	Codeine-D6	4.216	42550	17331	2.4552	94.5326
Amphetamine	Amphetamine-D11	4.563	780926	80940	9.6481	103.2584
Oxycodone	Oxycodone-D6	4.589	260500	128631	2.0252	90.8560
Hydrocodone	Hydrocodone-D6	4.893	159154	89666	1.7750	95.3823
Norhydrocodone	Norhydrocodone-D3	4.938	10763	32177	0.3345	99.3177
Methamphetamine	Methamphetamine-D11	4.961	788102	290081	2.7168	99.3459
6-MAM	6-MAM-D6	5.128	7104	30869	0.2301	9.3623
Phentermine	Phentermine-D5	5.804	152856	258862	0.5905	103.1402
Dextropropion	Dextropropion-D3	6.303	168369	138097	1.2192	94.6797
7-aminoclonazepam	7-Aminoclonazepam-D4	6.391	183967	81257	2.2640	105.3759
Tramadol	Tramadol-13C-D3	6.419	1556992	795908	1.9562	94.6152
Doxylamine	Doxylamine-D5	6.721	1209670	650073	1.8608	101.0777
Bupropion	Bupropion-D9	6.991	386758	205299	1.8839	93.4229
Zolpidem	Zolpidem-D6	6.999	1005011	521017	1.9289	105.8157
Meprobamate	Meprobamate-D7	7.093	78773	49265	1.5990	94.2124
Trazodone	Trazodone-D6	7.215	820111	369292	2.2208	107.8548
Venlafaxine	Venlafaxine-D6	7.226	1388699	646632	2.1476	98.6176
Citalopram	Citalopram-D6	7.337	933968	460569	2.0279	95.8223
Dextromethorphan	Dextromethorphan-D3	7.368	213202	99608	2.1404	99.3078
Diphenhydramine	Diphenhydramine-D3	7.392	1326554	686300	1.9329	96.3318
Promethazine	Promethazine-D3	7.546	1442144	857802	1.6812	95.7803

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

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.583	70449	10510	6.7033	92.2296
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.640	32842	13849	2.3714	103.1749
Carisoprodol	Carisoprodol-D7	7.672	331197	244333	1.3555	97.8631
Lorazepam	Alprazolam-D5	7.682	26491	159404	0.1662	86.9732
Alprazolam	Alprazolam-D5	7.706	372813	159404	2.3388	94.7346



ISP FORENSICS - Cd'A Instrument # 62340

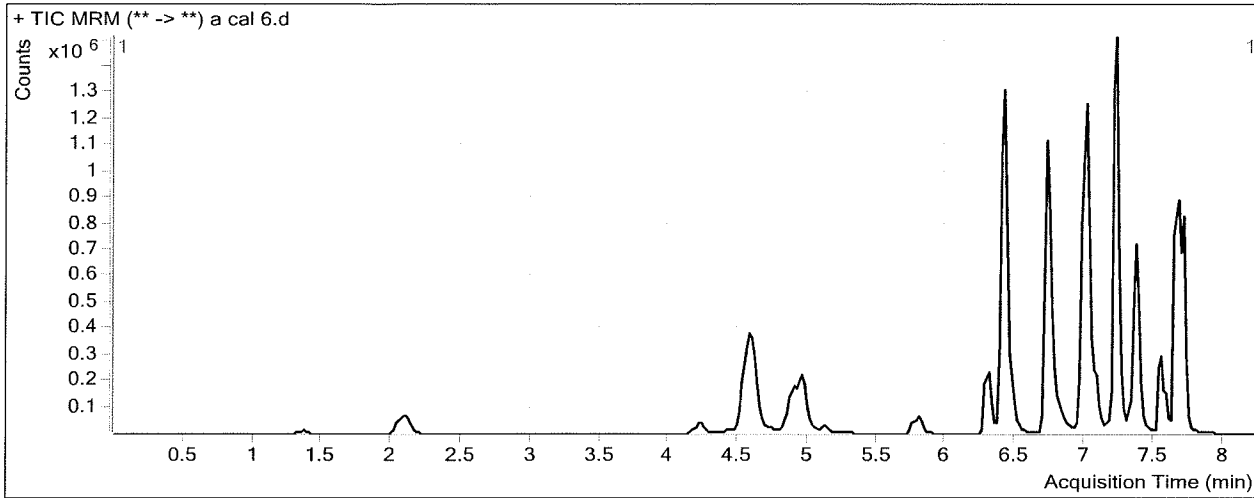
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1a.batch.bin
Analysis Time 5/9/2017 10:28 AM **Analyst Name** ISP Tox
Report Time 5/9/2017 10:34 AM **Reporter Name** ISP Tox
Last Calib Update 5/9/2017 10:27 AM **Batch State** Processed

Analysis Info

Acq Time 2017-05-03 16:21 **Data File** a cal 6.d
Sample Type Calibration **Sample Name** a cal 6-250ng/mL
Dilution 1 **Acq Method** Quant Panel 1a 2-13-17.m
Position P1-F1 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.368	49579	1753	28.2861	244.5014
Hydromorphone	Hydromorphone-D6	2.107	243107	32276	7.5321	243.3072
Codeine	Codeine-D6	4.216	105646	17051	6.1958	232.3947
Amphetamine	Amphetamine-D11	4.583	1029464	45696	22.5286	247.2731
Oxycodone	Oxycodone-D6	4.609	651366	121149	5.3766	236.4970
Hydrocodone	Hydrocodone-D6	4.893	370431	83632	4.4293	234.9371
Norhydrocodone	Norhydrocodone-D3	4.958	22395	25883	0.8653	252.3270
Methamphetamine	Methamphetamine-D11	4.961	651949	102264	6.3752	231.9607
6-MAM	6-MAM-D6	5.128	15877	28497	0.5572	22.2715
Phentermine	Phentermine-D5	5.804	197164	132123	1.4923	259.2207
Dextrophan	Dextrophan-D3	6.303	259652	82814	3.1354	240.3783
7-aminoclonazepam	7-Aminoclonazepam-D4	6.391	436912	77277	5.6539	262.9009
Tramadol	Tramadol-13C-D3	6.419	3243340	624539	5.1932	249.5381
Doxylamine	Doxylamine-D5	6.721	2355731	513357	4.5889	248.1465
Bupropion	Bupropion-D9	6.991	418980	78471	5.3393	263.2038
Zolpidem	Zolpidem-D6	6.999	2407181	520246	4.6270	252.9084
Meprobamate	Meprobamate-D7	7.093	209751	50573	4.1475	240.0622
Trazodone	Trazodone-D6	7.195	910364	159094	5.7222	277.9906
Venlafaxine	Venlafaxine-D6	7.226	2242064	399668	5.6098	256.2601
Citalopram	Citalopram-D6	7.337	647356	125515	5.1576	241.2594
Dextromethorphan	Dextromethorphan-D3	7.368	107736	20466	5.2642	238.5172
Diphenhydramine	Diphenhydramine-D3	7.372	856281	177085	4.8354	238.5502
Promethazine	Promethazine-D3	7.546	540068	124812	4.3270	244.2577



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

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.583	197201	10292	19.1606	256.7887
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.660	48538	15342	3.1638	136.9606
Carisoprodol	Carisoprodol-D7	7.672	773845	229362	3.3739	244.7561
Lorazepam	Alprazolam-D5	7.682	73898	142140	0.5199	242.1711
Alprazolam	Alprazolam-D5	7.706	872600	142140	6.1390	245.2330



ISP FORENSICS - Cd'A Instrument # 62340

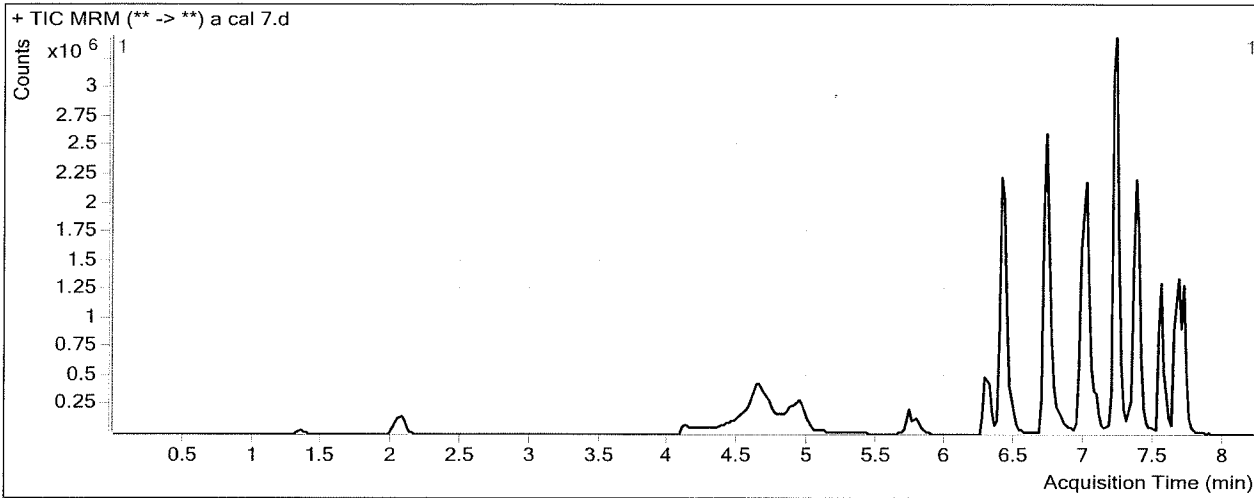
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1a.batch.bin		
Analysis Time	5/9/2017 10:28 AM	Analyst Name	ISP Tox
Report Time	5/9/2017 10:34 AM	Reporter Name	ISP Tox
Last Calib Update	5/9/2017 10:27 AM	Batch State	Processed

Analysis Info

Acq Time	2017-05-03 16:47	Data File	a cal 7.d
Sample Type	Calibration	Sample Name	a cal 7-500ng/mL
Dilution	1	Acq Method	Quant Panel 1a 2-13-17.m
Position	P1-G1	Sample Info	
Inj Vol	-1	Comment	AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.348	83660	1417	59.0389	506.9960
Hydromorphone	Hydromorphone-D6	2.067	446949	30122	14.8381	476.9807
Codeine	Codeine-D6	4.236	9404	664	14.1612	525.9585
Amphetamine	Amphetamine-D11	4.563	1054181	12837	82.1185	913.5420
Oxycodone	Oxycodone-D6	4.589	207770	16843	12.3360	538.9334
Hydrocodone	Hydrocodone-D6	4.893	223447	20811	10.7367	566.5608
Norhydrocodone	Norhydrocodone-D3	4.938	16750	9739	1.7199	498.7087
Methamphetamine	Methamphetamine-D11	4.941	1216175	88362	13.7635	499.7890
6-MAM	6-MAM-D6	5.108	9536	6290	1.5161	60.1249
Phentermine	Phentermine-D5	5.784	648630	226968	2.8578	495.5659
Dextroprphan	Dextroprphan-D3	6.283	615937	92157	6.6836	510.1758
7-aminoclonazepam	7-Aminoclonazepam-D4	6.391	709781	67016	10.5912	492.3365
Tramadol	Tramadol-13C-D3	6.419	6248861	627287	9.9617	477.7664
Doxylamine	Doxylamine-D5	6.721	5244247	620062	8.4576	456.7100
Bupropion	Bupropion-D9	6.991	1157527	121855	9.4992	467.5966
Zolpidem	Zolpidem-D6	6.999	4161253	463666	8.9747	489.9336
Meprobamate	Meprobamate-D7	7.093	347236	41214	8.4252	484.8664
Trazodone	Trazodone-D6	7.195	2585586	252692	10.2321	497.1338
Venlafaxine	Venlafaxine-D6	7.226	5081111	483966	10.4989	478.8693
Citalopram	Citalopram-D6	7.337	2006679	193853	10.3515	482.6203
Dextromethorphan	Dextromethorphan-D3	7.368	438807	41120	10.6714	479.4873
Diphenhydramine	Diphenhydramine-D3	7.392	3056059	313070	9.7616	479.9251
Promethazine	Promethazine-D3	7.546	2544026	291732	8.7204	490.8037

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

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.583	306412	8069	37.9763	505.3424
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.640	145151	12358	11.7457	502.8694
Carisoprodol	Carisoprodol-D7	7.672	1406904	173686	8.1003	588.7284
Lorazepam	Alprazolam-D5	7.682	126911	110143	1.1522	519.6263
Alprazolam	Alprazolam-D5	7.706	1320467	110143	11.9886	476.8944



ISP FORENSICS - Cd'A Instrument # 62340

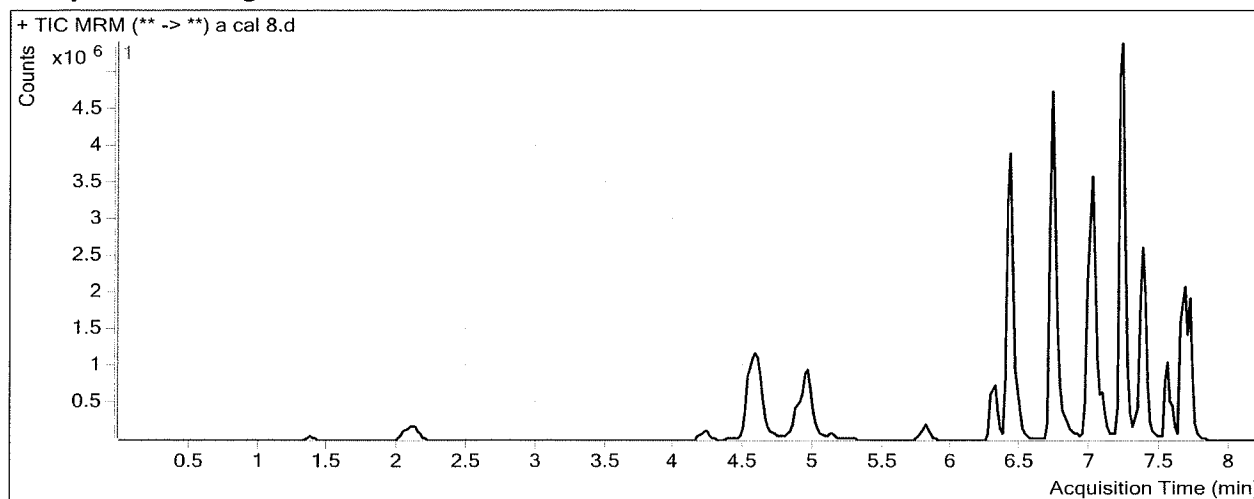
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1a.batch.bin		
Analysis Time	5/9/2017 10:28 AM	Analyst Name	ISP Tox
Report Time	5/9/2017 10:34 AM	Reporter Name	ISP Tox
Last Calib Update	5/9/2017 10:27 AM	Batch State	Processed

Analysis Info

Acq Time	2017-05-03 17:12	Data File	a cal 8.d
Sample Type	Calibration	Sample Name	a cal 8-1000ng/mL
Dilution	1	Acq Method	Quant Panel 1a 2-13-17.m
Position	P1-H1	Sample Info	
Inj Vol	-1	Comment	AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.368	150841	1104	136.6234	1169.2282
Hydromorphone	Hydromorphone-D6	2.107	775458	23885	32.4665	1040.8089
Codeine	Codeine-D6	4.216	320081	12647	25.3090	936.8109
Amphetamine	Amphetamine-D11	4.563	3509366	43642	80.4123	894.4645
Oxycodone	Oxycodone-D6	4.589	2233697	98380	22.7049	989.5347
Hydrocodone	Hydrocodone-D6	4.893	1261251	69352	18.1863	958.2336
Norhydrocodone	Norhydrocodone-D3	4.938	71728	16248	4.4146	1275.5323
Methamphetamine	Methamphetamine-D11	4.961	3132558	111315	28.1414	1020.9906
6-MAM	6-MAM-D6	5.128	57293	21845	2.6227	103.8074
Phentermine	Phentermine-D5	5.804	782310	136639	5.7254	991.8835
Dextroprphan	Dextroprphan-D3	6.303	905345	68419	13.2323	1008.1282
7-aminoclonazepam	7-Aminoclonazepam-D4	6.391	1140421	53578	21.2851	989.2793
Tramadol	Tramadol-13C-D3	6.419	11284945	524753	21.5053	1030.2522
Doxylamine	Doxylamine-D5	6.721	10095723	524033	19.2654	1039.3577
Bupropion	Bupropion-D9	6.991	1312301	63029	20.8207	1023.8755
Zolpidem	Zolpidem-D6	6.999	7469504	371815	20.0893	1095.8778
Meprobamate	Meprobamate-D7	7.093	681205	37703	18.0678	1036.6991
Trazodone	Trazodone-D6	7.195	4074880	204747	19.9020	967.0006
Venlafaxine	Venlafaxine-D6	7.226	8567956	383346	22.3504	1018.4936
Citalopram	Citalopram-D6	7.337	2666795	120034	22.2169	1034.0027
Dextromethorphan	Dextromethorphan-D3	7.368	441464	19076	23.1429	1035.2758
Diphenhydramine	Diphenhydramine-D3	7.392	3728455	176241	21.1554	1038.2082
Promethazine	Promethazine-D3	7.546	2151957	118273	18.1949	1022.4890

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

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.583	569614	7960	71.5587	948.9625
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.640	277790	6310	44.0243	1879.1560
Carisoprodol	Carisoprodol-D7	7.672	1834458	130681	14.0377	1020.8381
Lorazepam	Alprazolam-D5	7.683	249064	80341	3.1001	1374.2893
Alprazolam	Alprazolam-D5	7.706	2100929	80341	26.1501	1037.7268



ISP FORENSICS - Cd'A Instrument # 62340

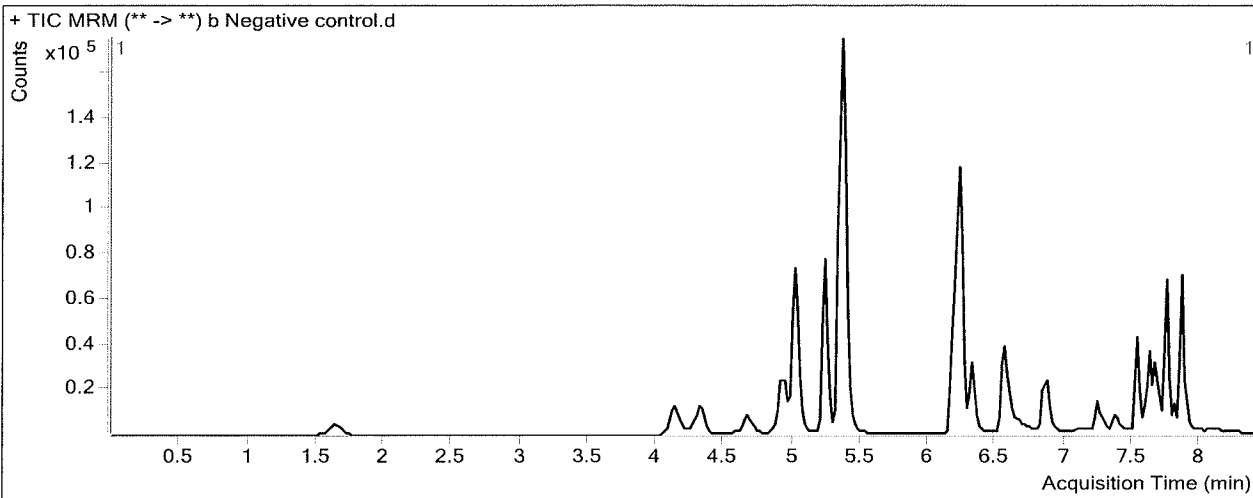
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1b.batch.bin
Analysis Time 5/9/2017 12:04 PM **Analyst Name** ISP Tox
Report Time 5/9/2017 12:11 PM **Reporter Name** ISP Tox
Last Calib Update 5/9/2017 12:04 PM **Batch State** Processed

Analysis Info

Acq Time 2017-05-03 18:03 **Data File** b Negative control.d
Sample Type Sample **Sample Name** b Negative control
Dilution 1 **Acq Method** Quant Panel 1b 11-18-2016.m
Position P1-F2 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.665	1906	48310	0.0394	5.5958

↳ No 2nd transition present

ISP FORENSICS - Cd'A Instrument # 62340

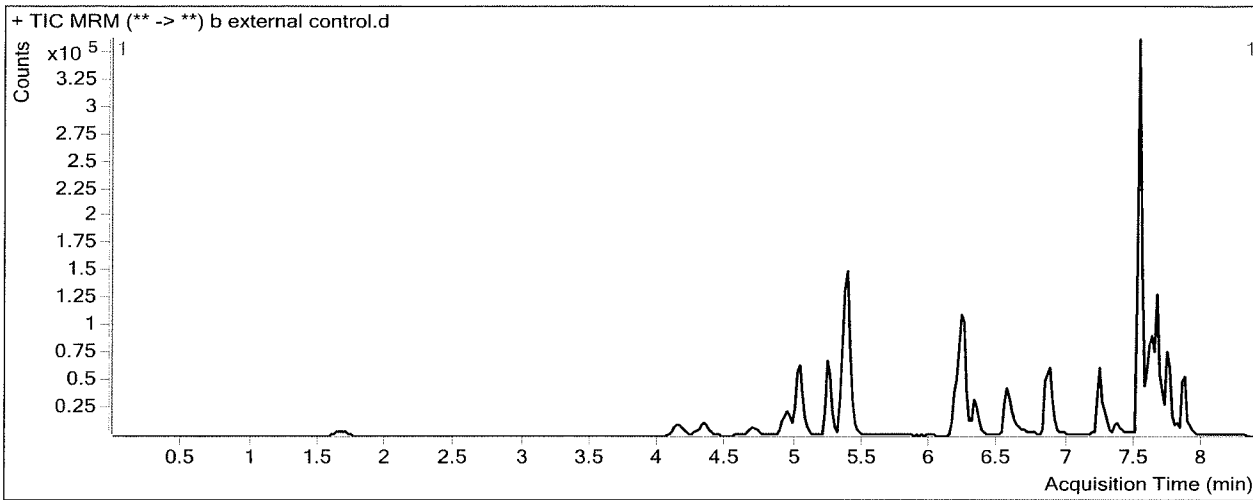
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1b.batch.bin
Analysis Time 5/9/2017 12:04 PM **Analyst Name** ISP Tox
Report Time 5/9/2017 12:11 PM **Reporter Name** ISP Tox
Last Calib Update 5/9/2017 12:04 PM **Batch State** Processed

Analysis Info

Acq Time 2017-05-03 18:28 **Data File** b external control.d
Sample Type Sample **Sample Name** b external control-50ng/mL
Dilution 1 **Acq Method** Quant Panel 1b 11-18-2016.m
Position P1-G2 **Sample Info**
Inj Vol -1 **Comment** AM 28: lot 51017 50 ng quetiapine

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Quetiapine	Quetiapine-D8	7.519	390061	110583	3.5273	50.2954

ISP FORENSICS - Cd'A Instrument # 62340

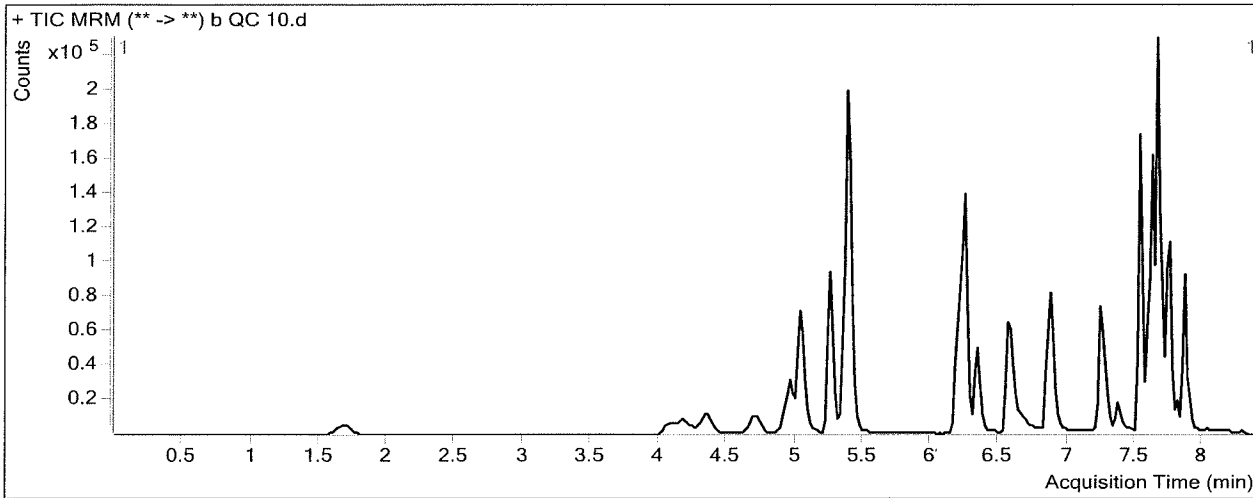
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1b.batch.bin
Analysis Time 5/9/2017 12:04 PM **Analyst Name** ISP Tox
Report Time 5/9/2017 12:12 PM **Reporter Name** ISP Tox
Last Calib Update 5/9/2017 12:04 PM **Batch State** Processed

Analysis Info

Acq Time 2017-05-03 18:54 **Data File** b QC 10.d
Sample Type QC **Sample Name** b QC 10
Dilution 1 **Acq Method** Quant Panel 1b 11-18-2016.m
Position P1-A2 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.708	5485	27502	0.1995	12.1192
Dihydrocodeine	Dihydrocodeine-D6	4.178	12110	47284	0.2561	14.3348
Naloxone	Naloxone-D5	4.387	5636	63711	0.0885	12.0184
Noroxycodone	Noroxycodone-D3	4.740	6958	40402	0.1722	10.4010
Naltrexone	Naltrexone-D3	4.950	16848	89833	0.1876	9.9867
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.104	4711	255564	0.0184	1.2181
Naltrexol	Naltrexol-D3	5.249	50643	229574	0.2206	9.6739
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.400	115622	538555	0.2147	10.5495
Ketamine	Ketamine-D4	6.199	36655	172999	0.2119	10.9000
Norfentanyl	Norfentanyl-D5	6.263	5821	335867	0.0173	1.1565
alpha-PVP	alpha-PVP-d8	6.567	46492	239319	0.1943	8.9999
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.880	4434	261249	0.0170	1.1421
Norbuprenorphine	Norbuprenorphine-D3	7.215	128	4661	0.0275	0.0258
Fentanyl	Fentanyl-D5	7.259	3680	192421	0.0191	1.0453
EDDP	EDDP-D3	7.370	5984	34358	0.1742	9.9304
Sufentanil	Sufentanil-D5	7.539	2607	122901	0.0212	1.4694
Quetiapine	Quetiapine-D8	7.519	98137	116101	0.8453	11.8206
Cyclobenzaprine	Cyclobenzaprine-D3	7.613	19225	94113	0.2043	11.1141
Buprenorphine	Buprenorphine-D4	7.616	768	48576	0.0158	0.9847
Methadone	Methadone-D9	7.623	41457	239908	0.1728	10.9216
Fluoxetine	Fluoxetine-D6	7.665	68620	358682	0.1913	12.9607 Not evaluated
Oxazepam	Oxazepam-D5	7.710	3228	18193	0.1774	8.0724
Sertraline	Sertraline-D3	7.726	17728	93774	0.1890	10.5899

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

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Temazepam	Temazepam-D5	7.748	24350	130565	0.1865	9.3464 QC not evaluated
Nordiazepam	Nordiazepam-D5	7.815	5351	18045	0.2965	10.8761 <25 Temazepam
Diazepam	Diazepam-D5	7.871	31997	137942	0.2320	10.5537 and Nordiazepam



ISP FORENSICS - Cd'A Instrument # 62340

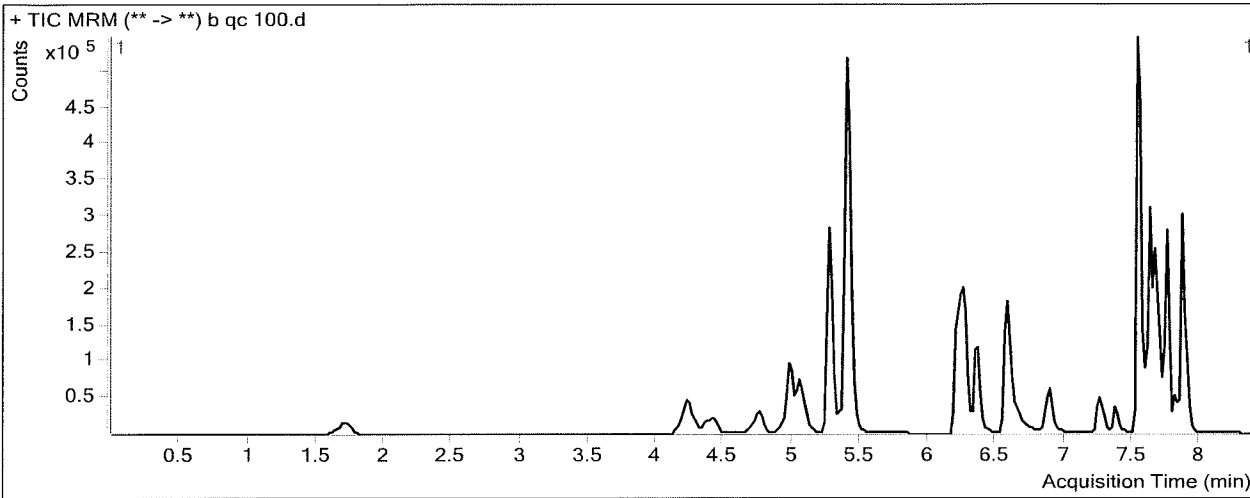
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1b.batch.bin
Analysis Time 5/9/2017 12:04 PM **Analyst Name** ISP Tox
Report Time 5/9/2017 12:12 PM **Reporter Name** ISP Tox
Last Calib Update 5/9/2017 12:04 PM **Batch State** Processed

Analysis Info

Acq Time 2017-05-03 21:00 **Data File** b qc 100.d
Sample Type QC **Sample Name** b qc 100
Dilution 1 **Acq Method** Quant Panel 1b 11-18-2016.m
Position P1-B2 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.728	61397	26836	2.2878	102.5634
Dihydrocodeine	Dihydrocodeine-D6	4.235	127691	61511	2.0759	103.0824
Naloxone	Naloxone-D5	4.430	70045	59116	1.1849	99.7179
Noroxycodone	Noroxycodone-D3	4.760	64076	30833	2.0781	99.2028
Naltrexone	Naltrexone-D3	4.970	148846	76801	1.9381	93.6728
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.124	47023	233194	0.2016	10.9193
Naltrexol	Naltrexol-D3	5.269	526097	209847	2.5070	108.3169
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.400	1148552	525223	2.1868	97.9146
Ketamine	Ketamine-D4	6.219	378643	158672	2.3863	102.3649
Norfentanyl	Norfentanyl-D5	6.263	58230	305794	0.1904	9.3812
alpha-PVP	alpha-PVP-d8	6.588	426523	197044	2.1646	100.2032
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.880	27791	151498	0.1834	10.0680
Norbuprenorphine	Norbuprenorphine-D3	7.215	733	2805	0.2613	11.3615
Fentanyl	Fentanyl-D5	7.259	21709	111442	0.1948	9.2337
EDDP	EDDP-D3	7.370	53759	27778	1.9353	93.0204
Sufentanil	Sufentanil-D5	7.539	14813	69198	0.2141	9.4512
Quetiapine	Quetiapine-D8	7.519	814234	97625	8.3404	119.3416
Cyclobenzaprine	Cyclobenzaprine-D3	7.613	103092	48581	2.1221	89.5763
Buprenorphine	Buprenorphine-D4	7.616	6032	31911	0.1890	9.3932 - qualifier ion missing peak top
Methadone	Methadone-D9	7.623	264174	139160	1.8983	108.5081
Fluoxetine	Fluoxetine-D6	7.665	316213	160698	1.9677	99.1095
Oxazepam	Oxazepam-D5	7.710	34113	16888	2.0200	88.7990
Sertraline	Sertraline-D3	7.726	73064	37004	1.9745	95.9314

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

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Temazepam	Temazepam-D5	7.748	256398	125849	2.0373	108.2282
Nordiazepam	Nordiazepam-D5	7.815	58032	16209	3.5803	111.8443
Diazepam	Diazepam-D5	7.871	317037	111793	2.8359	116.6934



ISP FORENSICS - Cd'A Instrument # 62340

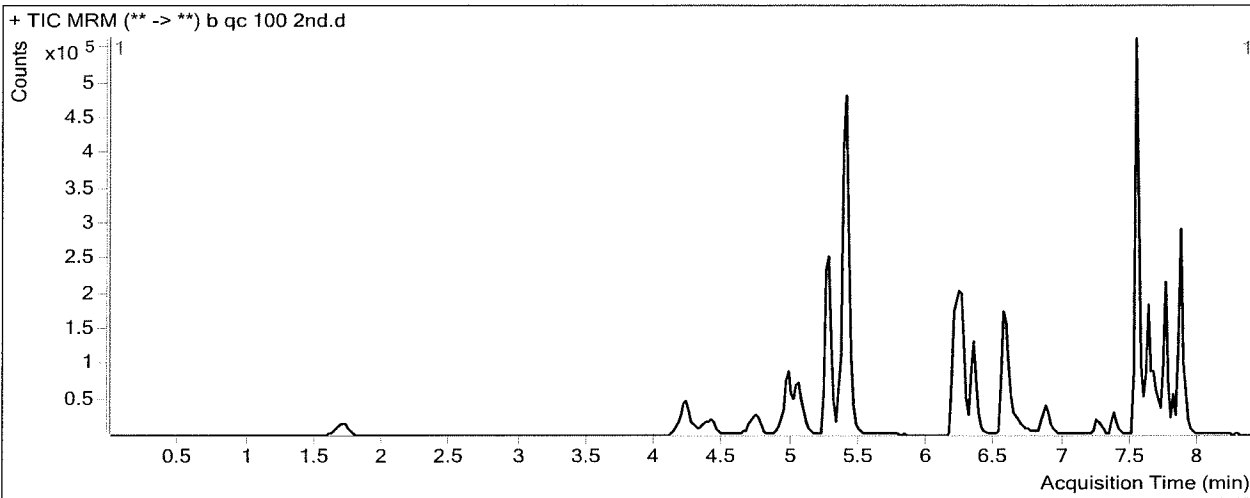
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1b.batch.bin
Analysis Time 5/9/2017 12:04 PM **Analyst Name** ISP Tox
Report Time 5/9/2017 12:14 PM **Reporter Name** ISP Tox
Last Calib Update 5/9/2017 12:04 PM **Batch State** Processed

Analysis Info

Acq Time 2017-05-04 07:34 **Data File** b qc 100 2nd.d
Sample Type QC **Sample Name** b qc 100 2nd
Dilution 1 **Acq Method** Quant Panel 1b 11-18-2016.m
Position P1-E2 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.708	55668	26301	2.1166	95.1480
Dihydrocodeine	Dihydrocodeine-D6	4.235	125186	64400	1.9439	96.6426
Naloxone	Naloxone-D5	4.410	63533	58466	1.0867	91.8623
Noroxycodone	Noroxycodone-D3	4.740	66343	31986	2.0741	99.0160
Naltrexone	Naltrexone-D3	4.970	160609	75251	2.1343	103.0544
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.104	49404	249481	0.1980	10.7275
Naltrexol	Naltrexol-D3	5.269	506702	212909	2.3799	102.8314
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.400	1127717	532285	2.1186	94.8953
Ketamine	Ketamine-D4	6.199	376864	163727	2.3018	98.8090
Norfentanyl	Norfentanyl-D5	6.263	58878	317152	0.1856	9.1543
alpha-PVP	alpha-PVP-d8	6.567	351683	199190	1.7656	81.7322
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.880	16308	101600	0.1605	8.8386
Norbuprenorphine	Norbuprenorphine-D3	7.195	262	1818	0.1442	5.6840
Fentanyl	Fentanyl-D5	7.259	8942	43959	0.2034	9.6355
EDDP	EDDP-D3	7.370	48734	22638	2.1528	103.2817
Sufentanil	Sufentanil-D5	7.518	5236	23794	0.2200	9.6987
Quetiapine	Quetiapine-D8	7.519	766269	103809	7.3815	105.5856
Cyclobenzaprine	Cyclobenzaprine-D3	7.593	35468	16469	2.1536	90.8673
Buprenorphine	Buprenorphine-D4	7.616	3403	15376	0.2213	10.9612
Methadone	Methadone-D9	7.623	143772	89036	1.6148	92.4697
Fluoxetine	Fluoxetine-D6	7.665	83406	43520	1.9165	96.6254
Oxazepam	Oxazepam-D5	7.689	31296	14550	2.1508	94.5321
Sertraline	Sertraline-D3	7.726	20561	5723	3.5930	173.2953

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

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Temazepam	Temazepam-D5	7.748	216002	119557	1.8067	95.9051
Nordiazepam	Nordiazepam-D5	7.815	56689	16157	3.5086	109.6381
Diazepam	Diazepam-D5	7.871	306634	127332	2.4081	99.2566



ISP FORENSICS - Cd'A Instrument # 62340

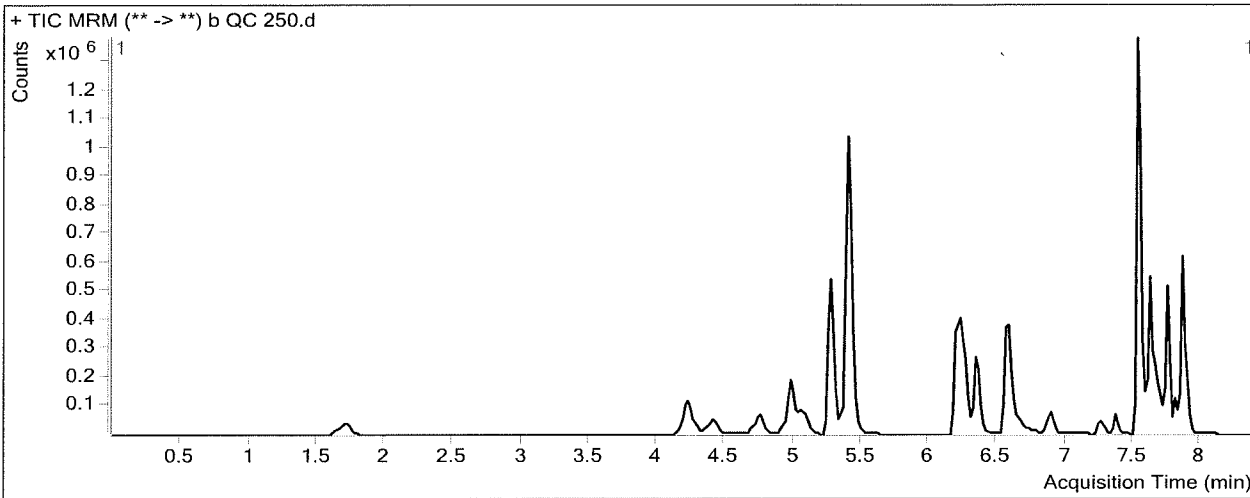
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1b.batch.bin
Analysis Time 5/9/2017 12:04 PM **Analyst Name** ISP Tox
Report Time 5/9/2017 12:13 PM **Reporter Name** ISP Tox
Last Calib Update 5/9/2017 12:04 PM **Batch State** Processed

Analysis Info

Acq Time 2017-05-04 02:05 **Data File** b QC 250.d
Sample Type QC **Sample Name** b QC 250
Dilution 1 **Acq Method** Quant Panel 1b 11-18-2016.m
Position P1-C2 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.708	147008	27187	5.4072	237.6591
Dihydrocodeine	Dihydrocodeine-D6	4.235	328534	65831	4.9906	245.2222
Naloxone	Naloxone-D5	4.410	182011	57901	3.1435	256.3790
Noroxycodone	Noroxycodone-D3	4.760	172902	35951	4.8093	226.4556
Naltrexone	Naltrexone-D3	4.970	343291	68918	4.9812	239.1539
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.104	125839	255445	0.4926	26.3264
Naltrexol	Naltrexol-D3	5.269	1166280	200350	5.8212	251.2978
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.400	2789198	535355	5.2100	231.8441
Ketamine	Ketamine-D4	6.219	968482	165285	5.8595	248.4576
Norfentanyl	Norfentanyl-D5	6.263	167005	327339	0.5102	24.5756
alpha-PVP	alpha-PVP-d8	6.588	870057	202191	4.3031	199.1914
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.880	65621	137805	0.4762	25.7648
Norbuprenorphine	Norbuprenorphine-D3	7.215	1330	2427	0.5480	25.2705
Fentanyl	Fentanyl-D5	7.259	35696	69707	0.5121	24.0222
EDDP	EDDP-D3	7.370	126266	23741	5.3185	252.6380
Sufentanil	Sufentanil-D5	7.539	20885	39028	0.5351	22.7393
Quetiapine	Quetiapine-D8	7.519	2161706	104335	20.7190	296.9171
Cyclobenzaprine	Cyclobenzaprine-D3	7.613	140002	22981	6.0922	252.0047
Buprenorphine	Buprenorphine-D4	7.616	10244	21710	0.4718	23.1191
Methadone	Methadone-D9	7.623	515992	113763	4.5357	257.6593
Fluoxetine	Fluoxetine-D6	7.665	293105	58388	5.0200	247.1281
Oxazepam	Oxazepam-D5	7.710	99437	18506	5.3733	235.7157
Sertraline	Sertraline-D3	7.726	65530	13284	4.9330	237.3501

Qualifier missing for 23.1191 of peak

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

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Temazepam	Temazepam-D5	7.748	632385	122778	5.1506	274.5559
Nordiazepam	Nordiazepam-D5	7.815	144517	16665	8.6716	268.3897
Diazepam	Diazepam-D5	7.871	754099	121937	6.1843	253.1770



ISP FORENSICS - Cd'A Instrument # 62340

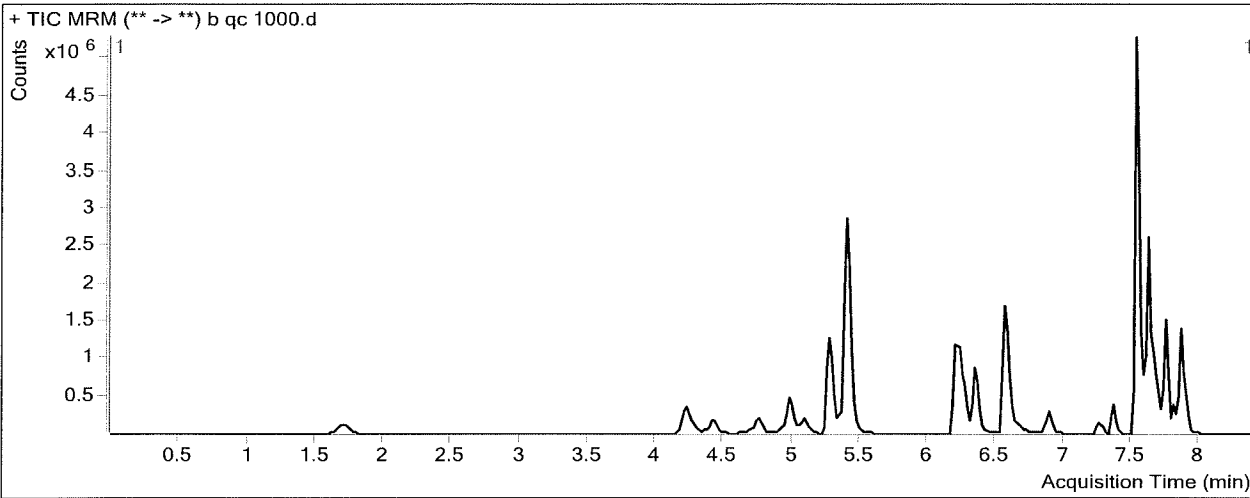
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1b.batch.bin		
Analysis Time	5/9/2017 12:04 PM	Analyst Name	ISP Tox
Report Time	5/9/2017 12:14 PM	Reporter Name	ISP Tox
Last Calib Update	5/9/2017 12:04 PM	Batch State	Processed

Analysis Info

Acq Time	2017-05-04 04:12	Data File	b qc 1000.d
Sample Type	QC	Sample Name	b qc 1000
Dilution	1	Acq Method	Quant Panel 1b 11-18-2016.m
Position	P1-D2	Sample Info	
Inj Vol	-1	Comment	AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.708	584152	22782	25.6413	1113.9664
Dihydrocodeine	Dihydrocodeine-D6	4.235	1067412	56637	18.8465	920.9401
Naloxone	Naloxone-D5	4.430	643342	43599	14.7560	1185.2161
Noroxycodone	Noroxycodone-D3	4.760	568503	27886	20.3870	952.2586
Naltrexone	Naltrexone-D3	4.970	924370	45125	20.4846	980.3208
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.104	514568	211365	2.4345	129.1472
Naltrexol	Naltrexol-D3	5.269	3408613	142313	23.9516	1033.4850
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.400	9582405	419872	22.8222	1012.0733
Ketamine	Ketamine-D4	6.199	3279833	136119	24.0954	1015.5225
Norfentanyl	Norfentanyl-D5	6.263	664570	290196	2.2901	109.1510
alpha-PVP	alpha-PVP-d8	6.567	4589853	205428	22.3429	1034.2162
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.880	408777	207832	1.9669	105.6926
Norbuprenorphine	Norbuprenorphine-D3	7.195	4246	2353	1.8046	86.2122
Fentanyl	Fentanyl-D5	7.259	203367	80293	2.5328	118.2067
EDDP	EDDP-D3	7.370	663559	34791	19.0726	901.5505
Sufentanil	Sufentanil-D5	7.539	148925	58109	2.5629	106.6640
Quetiapine	Quetiapine-D8	7.519	7975236	100786	79.1303	1134.8520
Cyclobenzaprine	Cyclobenzaprine-D3	7.593	852958	36465	23.3913	959.7632
Buprenorphine	Buprenorphine-D4	7.616	47529	22837	2.0812	101.2353
Methadone	Methadone-D9	7.623	2681736	137344	19.5258	1105.4096
Fluoxetine	Fluoxetine-D6	7.665	1566680	74474	21.0367	1023.8641
Oxazepam	Oxazepam-D5	7.689	357854	15380	23.2676	1019.6983
Sertraline	Sertraline-D3	7.726	355292	16738	21.2267	1016.1759

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

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Temazepam	Temazepam-D5	7.748	1993202	93204	21.3855	1141.9040
Nordiazepam	Nordiazepam-D5	7.815	450814	12352	36.4979	1123.9778
Diazepam	Diazepam-D5	7.871	1879453	80543	23.3347	952.2396



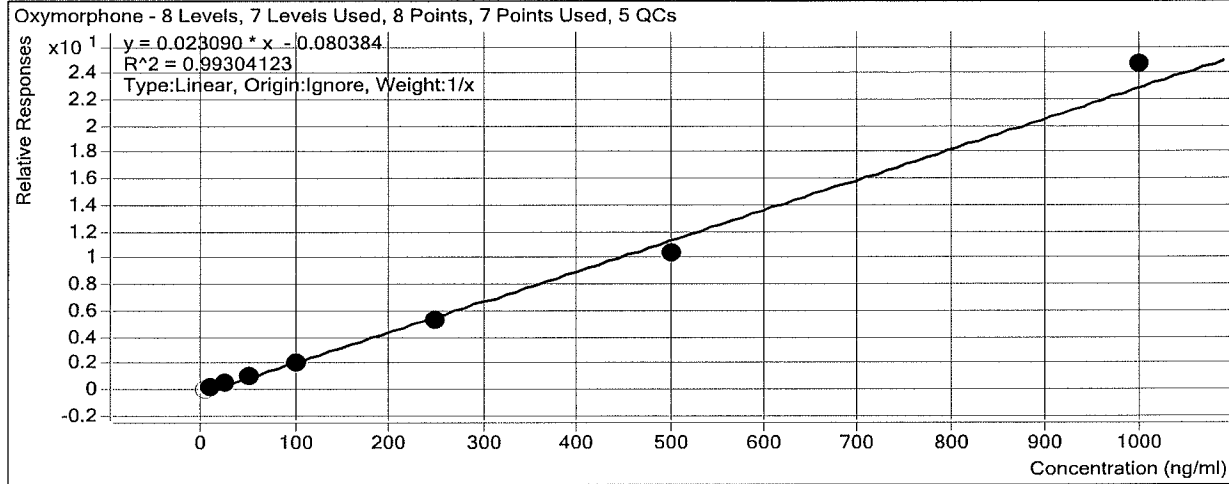
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1b.batch.bin
5/9/2017 12:04 PM

Analyst Name ISP TOX

Target Compound Oxymorphone
Internal Standard Oxymorphone-D3



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng/mL	1	<input type="checkbox"/>	5	7.2	144.1
b cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	11.9	118.7
b QC 10	2	<input checked="" type="checkbox"/>	10	12.1	121.2
b cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	25.2	100.7
b cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	47.5	95.1
b cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	95.6	95.6
b qc 100	5	<input checked="" type="checkbox"/>	100	102.6	102.6
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	95.1	95.1
b cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	230.1	92.0
b QC 250	6	<input checked="" type="checkbox"/>	250	237.7	95.1
b cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	453.6	90.7
b cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	1000	1071.1	107.1
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1114.0	111.4

Samples not evaluated below 10ng/mL

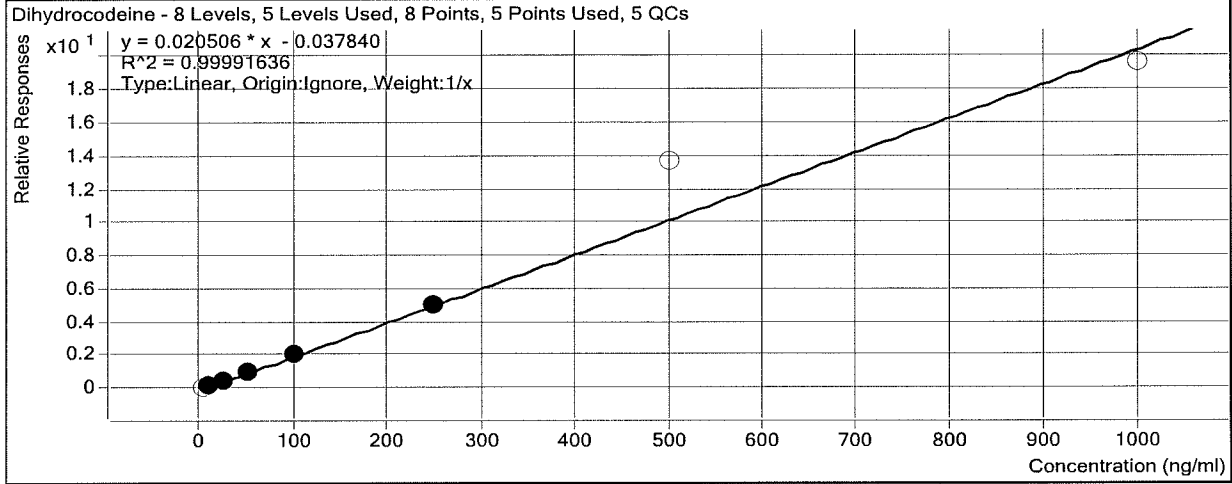
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1b.batch.bin
5/9/2017 12:04 PM

Analyst Name ISP TOX

Target Compound Dihydrocodeine
Internal Standard Dihydrocodeine-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng/mL	1	<input type="checkbox"/>	5	6.1	123.0
b cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	10.2	102.3
b QC 10	2	<input checked="" type="checkbox"/>	10	14.3	143.3
b cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	24.4	97.6
b cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	49.7	99.5
b cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	100.6	100.6
b qc 100	5	<input checked="" type="checkbox"/>	100	103.1	103.1
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	96.6	96.6
b cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	250.1	100.0
b QC 250	6	<input checked="" type="checkbox"/>	250	245.2	98.1
b cal 7-500ng/mL	7	<input type="checkbox"/>	500	670.0	134.0
b cal 8-1000ng/mL	8	<input type="checkbox"/>	1000	957.2	95.7
b qc 1000	8	<input type="checkbox"/>	1000	920.9	92.1

Samples not evaluated below 10ng/mL

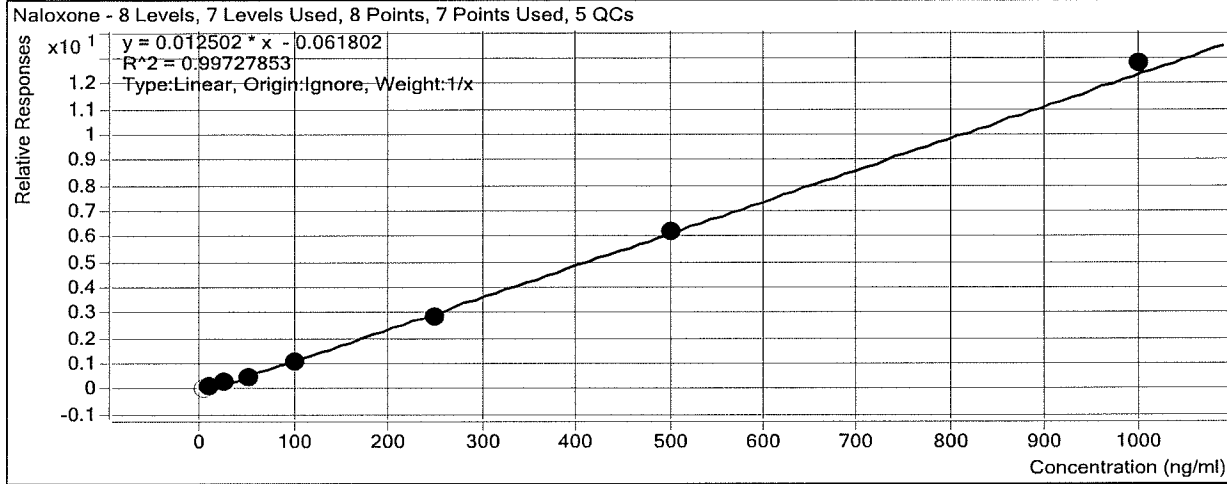
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1b.batch.bin
5/9/2017 12:04 PM

Analyst Name ISP TOX

Target Compound *Naloxone*
Internal Standard *Naloxone-D5*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng/mL	1	<input type="checkbox"/>	5	9.3	185.1
b cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	12.8	128.1
b QC 10	2	<input checked="" type="checkbox"/>	10	12.0	120.2
b cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	24.2	96.7
b cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	44.2	88.4
b cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	90.6	90.6
b qc 100	5	<input checked="" type="checkbox"/>	100	99.7	99.7
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	91.9	91.9
b cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	231.7	92.7
b QC 250	6	<input checked="" type="checkbox"/>	250	256.4	102.6
b cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	503.1	100.6
b cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	1000	1028.3	102.8
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1185.2	118.5

Samples not evaluated below 10ng/mL

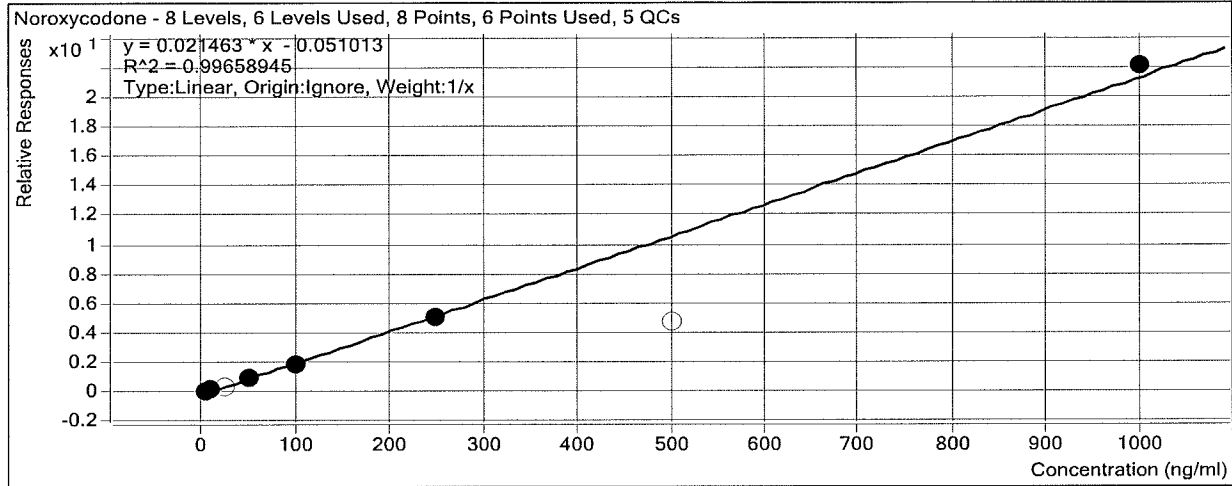
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1b.batch.bin
5/9/2017 12:04 PM

Analyst Name ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng/mL	1	<input checked="" type="checkbox"/>	5	6.4	127.4
b cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	10.1	100.8
b QC 10	2	<input checked="" type="checkbox"/>	10	10.4	104.0
b cal 3-25ng/mL	3	<input type="checkbox"/>	25	17.2	68.8
b cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	43.4	86.7
b cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	86.6	86.6
b qc 100	5	<input checked="" type="checkbox"/>	100	99.2	99.2
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	99.0	99.0
b cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	238.6	95.4
b QC 250	6	<input checked="" type="checkbox"/>	250	226.5	90.6
b cal 7-500ng/mL	7	<input type="checkbox"/>	500	222.7	44.5
b cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	1000	1030.0	103.0
b qc 1000	8	<input checked="" type="checkbox"/>	1000	952.3	95.2

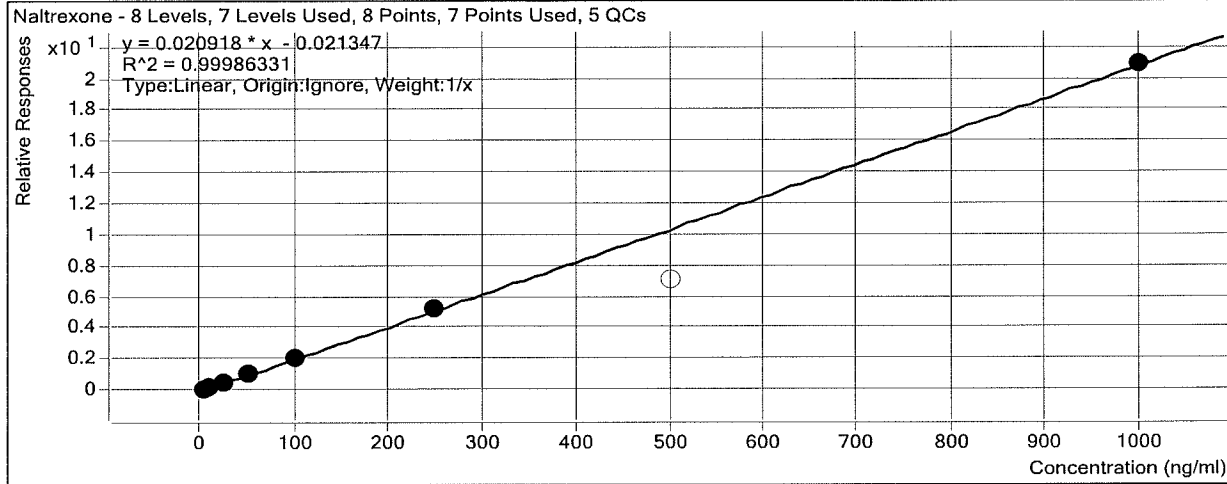
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1b.batch.bin
5/9/2017 12:04 PM

Analyst Name ISP TOX

Target Compound *Naltrexone*
Internal Standard *Naltrexone-D3*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng/mL	1	<input checked="" type="checkbox"/>	5	5.3	105.0
b cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	10.0	99.9
b QC 10	2	<input checked="" type="checkbox"/>	10	10.0	99.9
b cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	24.4	97.7
b cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	47.6	95.2
b cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	101.6	101.6
b qc 100	5	<input checked="" type="checkbox"/>	100	93.7	93.7
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	103.1	103.1
b cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	251.6	100.6
b QC 250	6	<input checked="" type="checkbox"/>	250	239.2	95.7
b cal 7-500ng/mL	7	<input type="checkbox"/>	500	338.1	67.6
b cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	1000	999.5	100.0
b qc 1000	8	<input checked="" type="checkbox"/>	1000	980.3	98.0

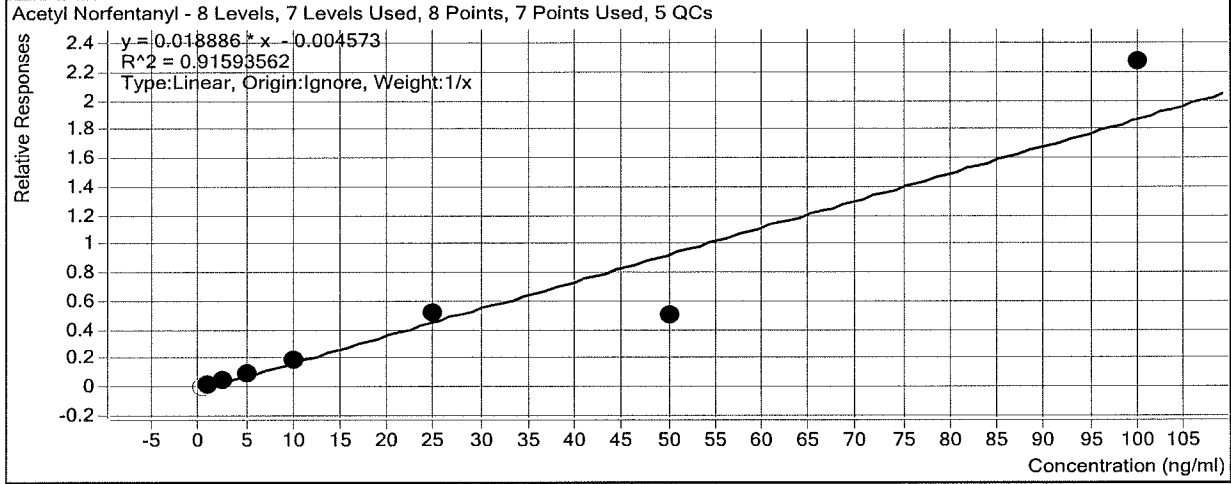
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

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5/9/2017 12:04 PM

Analyst Name ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng/mL	1	<input type="checkbox"/>	0.5	0.7	142.5
b cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	1	1.1	113.3
b QC 10	2	<input checked="" type="checkbox"/>	1	1.2	121.8
b cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	2.5	2.5	101.7
b cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	5	4.9	98.8
b cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	10	10.3	102.6
b qc 100	5	<input checked="" type="checkbox"/>	10	10.9	109.2
b qc 100 2nd	5	<input checked="" type="checkbox"/>	10	10.7	107.3
b cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	25	27.4	109.6
b QC 250	6	<input checked="" type="checkbox"/>	25	26.3	105.3
b cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	50	26.8	53.6
b cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	100	120.4	120.4
b qc 1000	8	<input checked="" type="checkbox"/>	100	129.1	129.1

Samples not evaluated below 1ng/mL

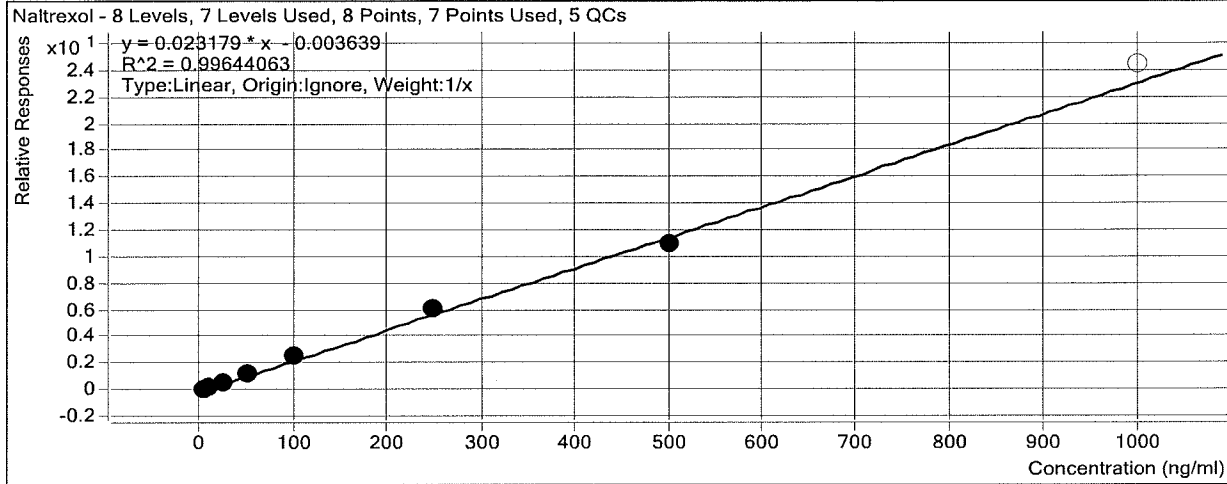
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1b.batch.bin
5/9/2017 12:04 PM

Analyst Name ISP TOX

Target Compound *Naltrexol*
Internal Standard *Naltrexol-D3*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng/mL	1	<input checked="" type="checkbox"/>	5	4.6	92.9
b cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	9.2	91.8
b QC 10	2	<input checked="" type="checkbox"/>	10	9.7	96.7
b cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	25.7	102.9
b cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	51.6	103.2
b cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	108.1	108.1
b qc 100	5	<input checked="" type="checkbox"/>	100	108.3	108.3
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	102.8	102.8
b cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	265.0	106.0
b QC 250	6	<input checked="" type="checkbox"/>	250	251.3	100.5
b cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	475.8	95.2
b cal 8-1000ng/mL	8	<input type="checkbox"/>	1000	1053.6	105.4
b qc 1000	8	<input type="checkbox"/>	1000	1033.5	103.3

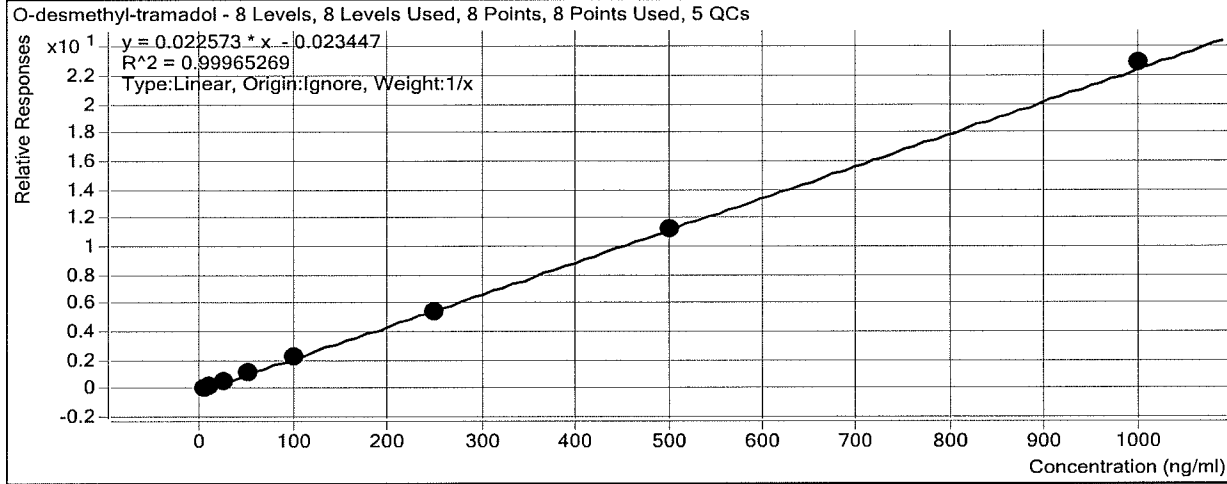
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1b.batch.bin
5/9/2017 12:04 PM

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/mL	1	<input checked="" type="checkbox"/>	5	5.6	112.7
b cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	9.6	96.1
b QC 10	2	<input checked="" type="checkbox"/>	10	10.5	105.5
b cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	24.4	97.4
b cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	49.1	98.2
b cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	97.8	97.8
b qc 100	5	<input checked="" type="checkbox"/>	100	97.9	97.9
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	94.9	94.9
b cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	242.8	97.1
b QC 250	6	<input checked="" type="checkbox"/>	250	231.8	92.7
b cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	496.4	99.3
b cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	1000	1014.3	101.4
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1012.1	101.2

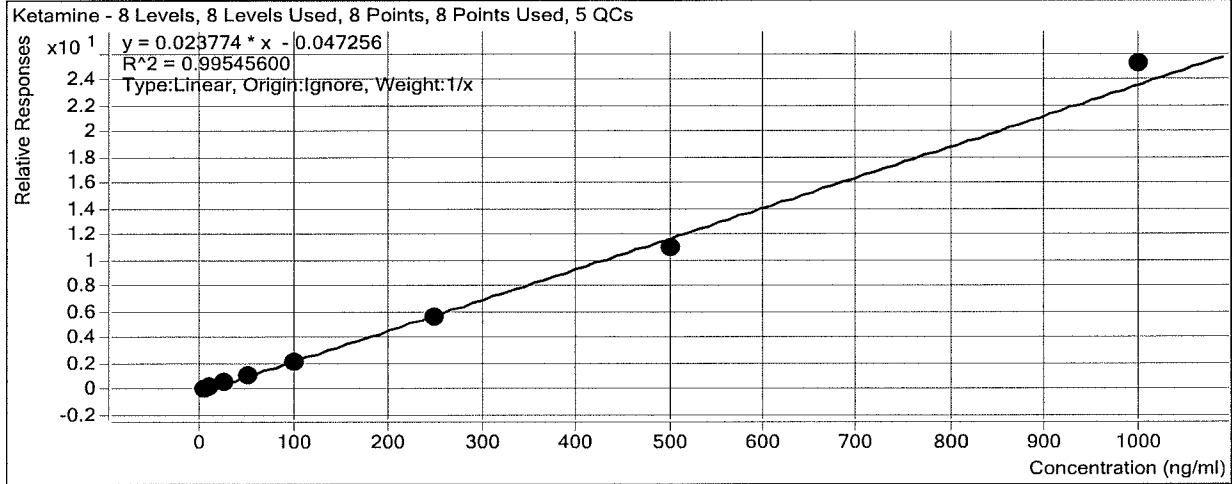
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1b.batch.bin
5/9/2017 12:04 PM

Analyst Name ISP TOX

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

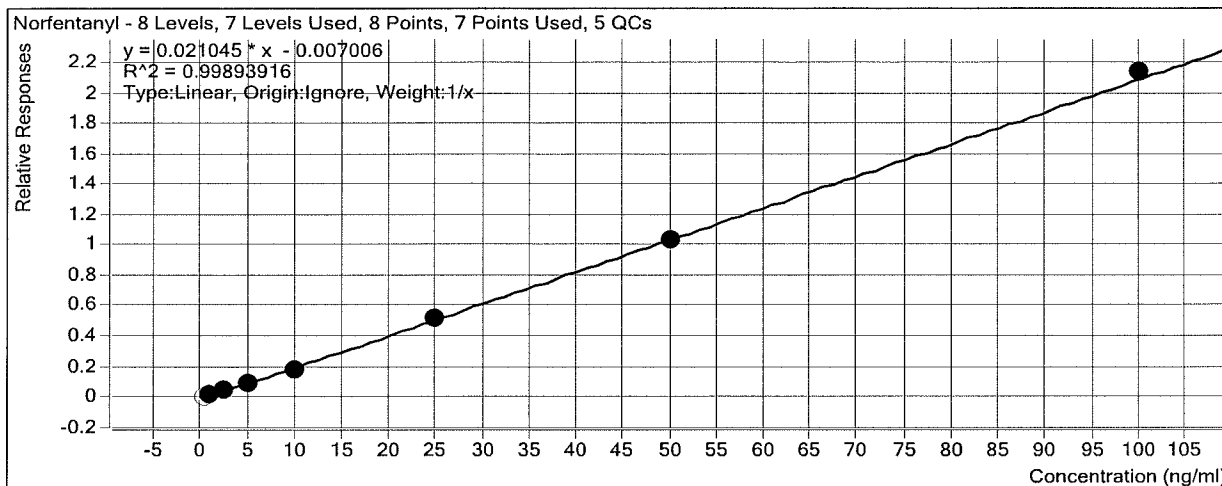


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng/mL	1	<input checked="" type="checkbox"/>	5	6.3	126.6
b cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	9.9	99.2
b QC 10	2	<input checked="" type="checkbox"/>	10	10.9	109.0
b cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	23.8	95.2
b cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	46.6	93.2
b cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	92.6	92.6
b qc 100	5	<input checked="" type="checkbox"/>	100	102.4	102.4
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	98.8	98.8
b cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	234.7	93.9
b QC 250	6	<input checked="" type="checkbox"/>	250	248.5	99.4
b cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	465.8	93.2
b cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	1000	1060.2	106.0
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1015.5	101.6

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1b.batch.bin
Last Calib Update 5/9/2017 12:04 PM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng/mL	1	<input type="checkbox"/>	0.5	0.7	140.8
b cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	1	1.1	114.8
b QC 10	2	<input checked="" type="checkbox"/>	1	1.2	115.7
b cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	2.5	2.6	102.1
b cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	5	4.6	92.4
b cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	10	9.1	90.9
b qc 100	5	<input checked="" type="checkbox"/>	10	9.4	93.8
b qc 100 2nd	5	<input checked="" type="checkbox"/>	10	9.2	91.5
b cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	25	24.7	99.0
b QC 250	6	<input checked="" type="checkbox"/>	25	24.6	98.3
b cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	50	49.5	99.0
b cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	100	101.8	101.8
b qc 1000	8	<input checked="" type="checkbox"/>	100	109.2	109.2

Samples not evaluated below 1ng/mL

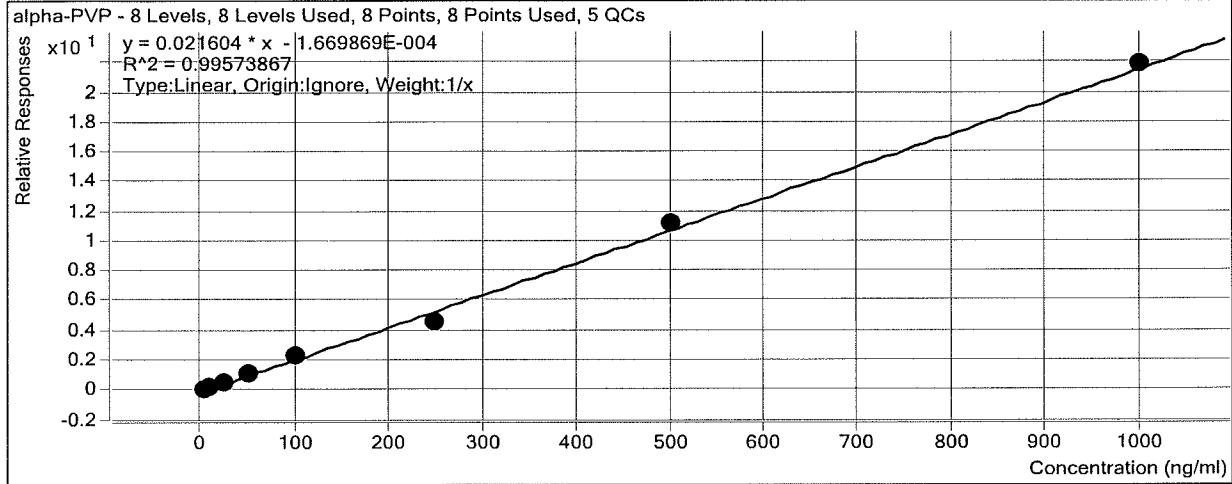
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1b.batch.bin
5/9/2017 12:04 PM

Analyst Name ISP TOX

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

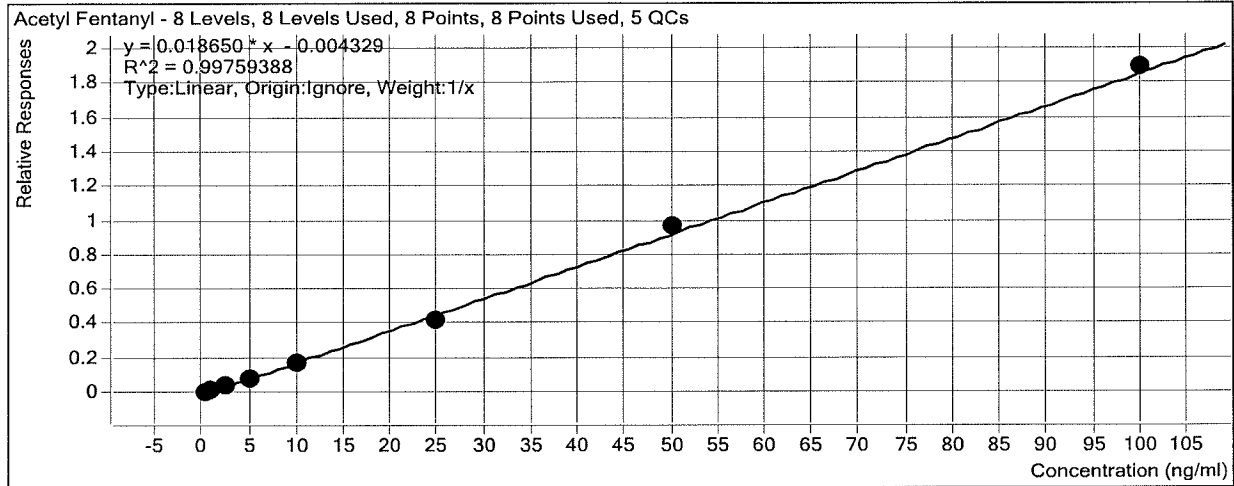


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng/mL	1	<input checked="" type="checkbox"/>	5	5.1	102.9
b cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	10.6	106.3
b QC 10	2	<input checked="" type="checkbox"/>	10	9.0	90.0
b cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	21.5	85.9
b cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	53.0	106.1
b cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	109.0	109.0
b qc 100	5	<input checked="" type="checkbox"/>	100	100.2	100.2
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	81.7	81.7
b cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	213.4	85.4
b QC 250	6	<input checked="" type="checkbox"/>	250	199.2	79.7
b cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	517.1	103.4
b cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	1000	1010.2	101.0
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1034.2	103.4

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1b.batch.bin
Last Calib Update 5/9/2017 12:04 PM **Analyst Name** ISP TOX

Target Compound Acetyl Fentanyl
Internal Standard Acetyl Fentanyl-D5



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng/mL	1	<input checked="" type="checkbox"/>	0.5	0.6	123.8
b cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	1	1.0	100.3
b QC 10	2	<input checked="" type="checkbox"/>	1	1.1	114.2
b cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	2.5	2.4	94.8
b cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	5	4.5	90.6
b cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	10	9.5	94.7
b qc 100	5	<input checked="" type="checkbox"/>	10	10.1	100.7
b qc 100 2nd	5	<input checked="" type="checkbox"/>	10	8.8	88.4
b cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	25	22.6	90.5
b QC 250	6	<input checked="" type="checkbox"/>	25	25.8	103.1
b cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	50	51.9	103.7
b cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	100	101.5	101.5
b qc 1000	8	<input checked="" type="checkbox"/>	100	105.7	105.7

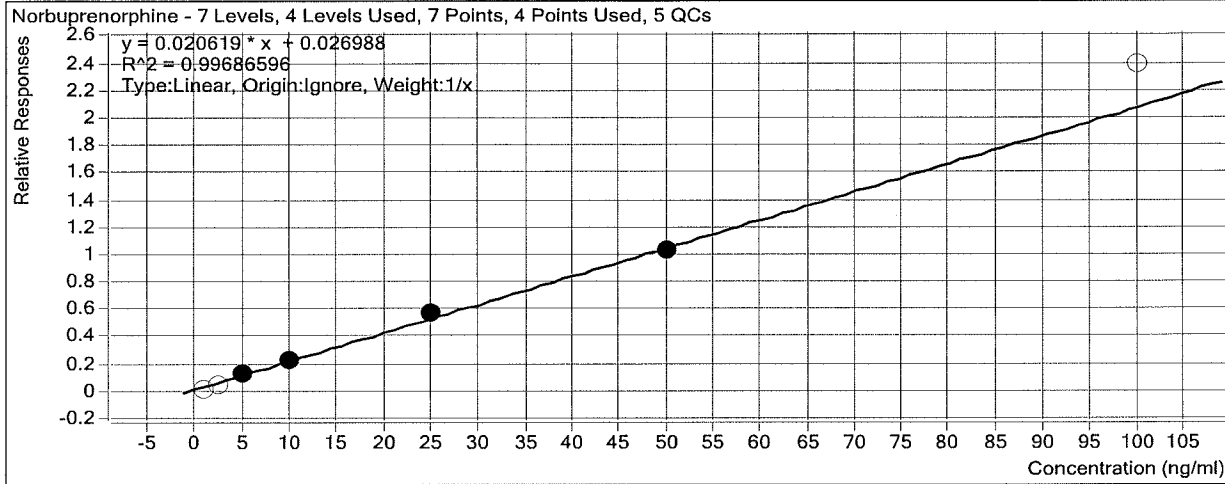
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1b.batch.bin
5/9/2017 12:04 PM

Analyst Name ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 2-10ng/mL	2	<input type="checkbox"/>	1	0.0	0.0
b QC 10	2	<input type="checkbox"/>	1	0.0	2.6
b cal 3-25ng/mL	3	<input type="checkbox"/>	2.5	0.5	21.1
b cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	5	5.1	101.7
b cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	10	9.4	94.4
b qc 100	5	<input checked="" type="checkbox"/>	10	11.4	113.6
b qc 100 2nd	5	<input checked="" type="checkbox"/>	10	5.7	56.8
b cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	25	26.5	106.0
b QC 250	6	<input type="checkbox"/>	25	25.3	101.1
b cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	50	49.0	98.0
b cal 8-1000ng/mL	8	<input type="checkbox"/>	100	114.5	114.5
b qc 1000	8	<input type="checkbox"/>	100	86.2	86.2

Compound not evaluated in this run- No samples showed indication of compound

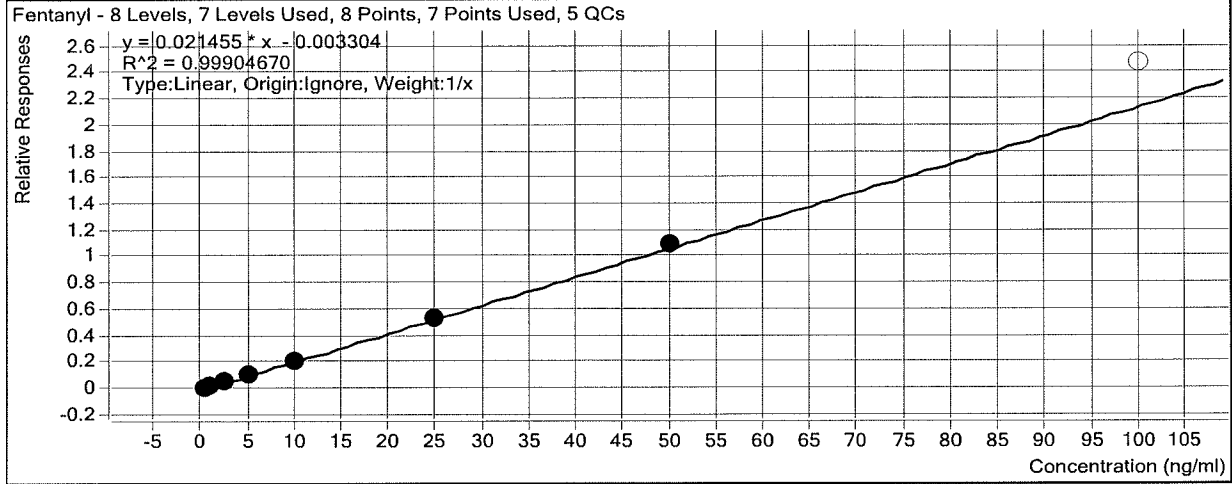
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1b.batch.bin
5/9/2017 12:04 PM

Analyst Name ISP TOX

Target Compound Fentanyl
Internal Standard Fentanyl-D5

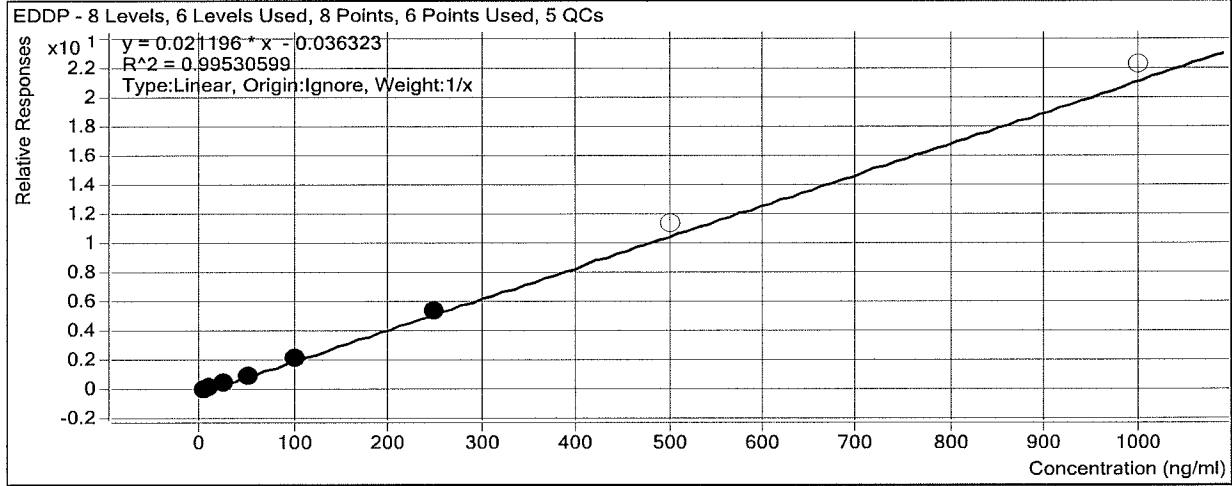


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng/mL	1	<input checked="" type="checkbox"/>	0.5	0.6	116.9
b cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	1	0.9	93.9
b QC 10	2	<input checked="" type="checkbox"/>	1	1.0	104.5
b cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	2.5	2.4	97.5
b cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	5	4.7	93.4
b cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	10	9.8	98.1
b qc 100	5	<input checked="" type="checkbox"/>	10	9.2	92.3
b qc 100 2nd	5	<input checked="" type="checkbox"/>	10	9.6	96.4
b cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	25	24.5	98.0
b QC 250	6	<input checked="" type="checkbox"/>	25	24.0	96.1
b cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	50	51.1	102.1
b cal 8-1000ng/mL	8	<input type="checkbox"/>	100	115.1	115.1
b qc 1000	8	<input type="checkbox"/>	100	118.2	118.2

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1b.batch.bin
Last Calib Update 5/9/2017 12:04 PM **Analyst Name** ISP TOX

Target Compound EDDP
Internal Standard EDDP-D3



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng/mL	1	<input checked="" type="checkbox"/>	5	6.4	127.2
b cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	9.1	91.0
b QC 10	2	<input checked="" type="checkbox"/>	10	9.9	99.3
b cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	21.9	87.7
b cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	44.5	89.1
b cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	103.0	103.0
b qc 100	5	<input checked="" type="checkbox"/>	100	93.0	93.0
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	103.3	103.3
b cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	255.1	102.0
b QC 250	6	<input checked="" type="checkbox"/>	250	252.6	101.1
b cal 7-500ng/mL	7	<input type="checkbox"/>	500	536.0	107.2
b cal 8-1000ng/mL	8	<input type="checkbox"/>	1000	1048.0	104.8
b qc 1000	8	<input type="checkbox"/>	1000	901.6	90.2

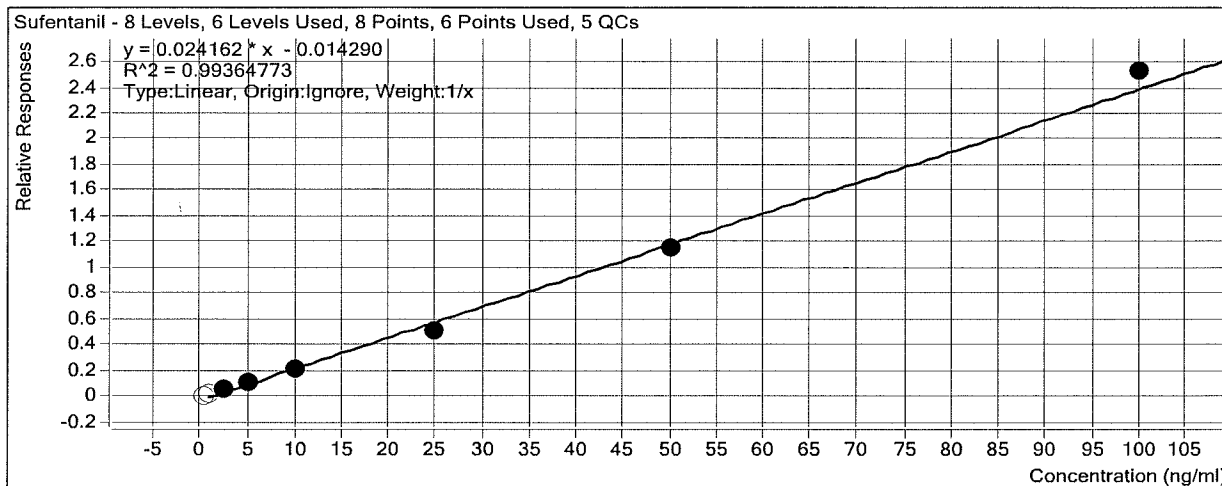
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1b.batch.bin
5/9/2017 12:04 PM

Analyst Name ISP TOX

Target Compound *Sufentanil*
Internal Standard *Sufentanil-D5*



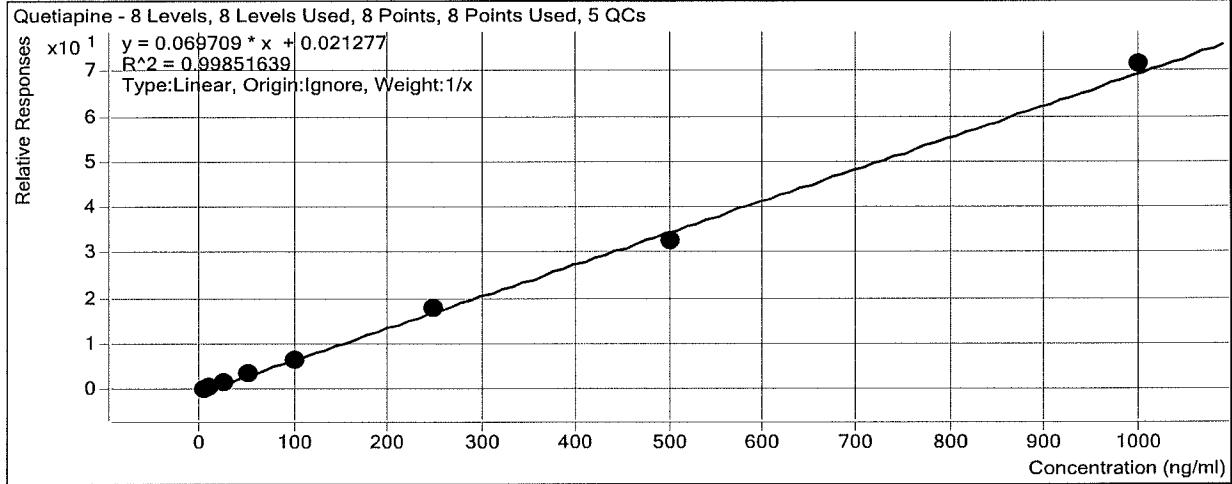
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng/mL	1	<input type="checkbox"/>	0.5	1.0	191.5
b cal 2-10ng/mL	2	<input type="checkbox"/>	1	1.3	130.6
b QC 10	2	<input type="checkbox"/>	1	1.5	146.9
b cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	2.5	2.9	115.0
b cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	5	5.3	105.5
b cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	10	9.1	91.1
b qc 100	5	<input checked="" type="checkbox"/>	10	9.5	94.5
b qc 100 2nd	5	<input checked="" type="checkbox"/>	10	9.7	97.0
b cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	25	21.5	86.1
b QC 250	6	<input checked="" type="checkbox"/>	25	22.7	91.0
b cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	50	48.6	97.2
b cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	100	105.1	105.1
b qc 1000	8	<input checked="" type="checkbox"/>	100	106.7	106.7

Samples not evaluated below 2.5ng/mL

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1b.batch.bin
Last Calib Update 5/9/2017 12:04 PM **Analyst Name** ISP TOX

Target Compound Quetiapine
Internal Standard Quetiapine-D8

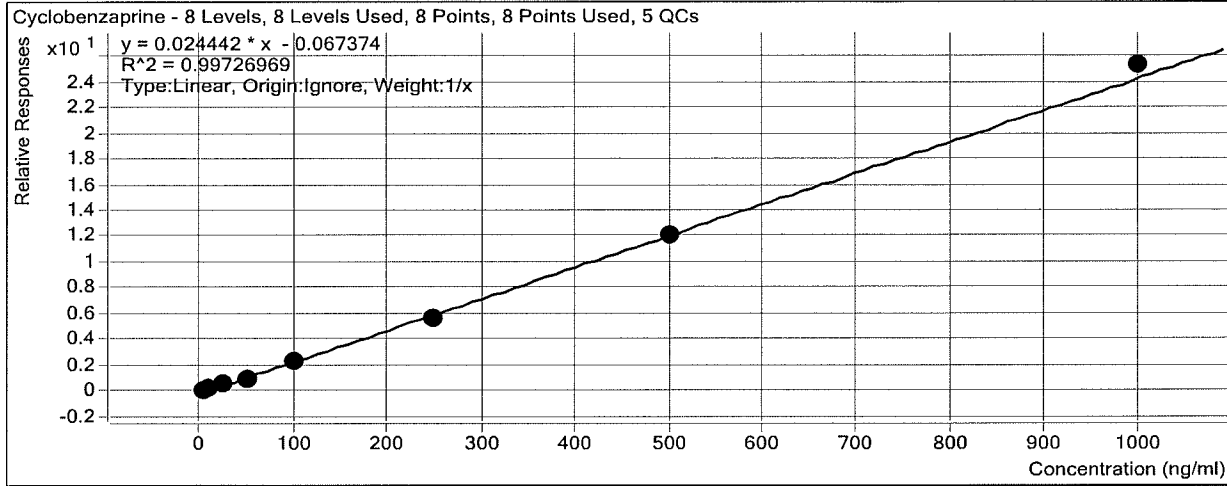


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng/mL	1	<input checked="" type="checkbox"/>	5	5.1	101.8
b cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	9.7	96.9
b QC 10	2	<input checked="" type="checkbox"/>	10	11.8	118.2
b cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	25.9	103.5
b cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	51.6	103.1
b cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	95.4	95.4
b qc 100	5	<input checked="" type="checkbox"/>	100	119.3	119.3
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	105.6	105.6
b cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	256.2	102.5
b QC 250	6	<input checked="" type="checkbox"/>	250	296.9	118.8
b cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	471.9	94.4
b cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	1000	1024.4	102.4
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1134.9	113.5

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1b.batch.bin
Last Calib Update 5/9/2017 12:04 PM **Analyst Name** ISP TOX

Target Compound Cyclobenzaprine
Internal Standard Cyclobenzaprine-D3

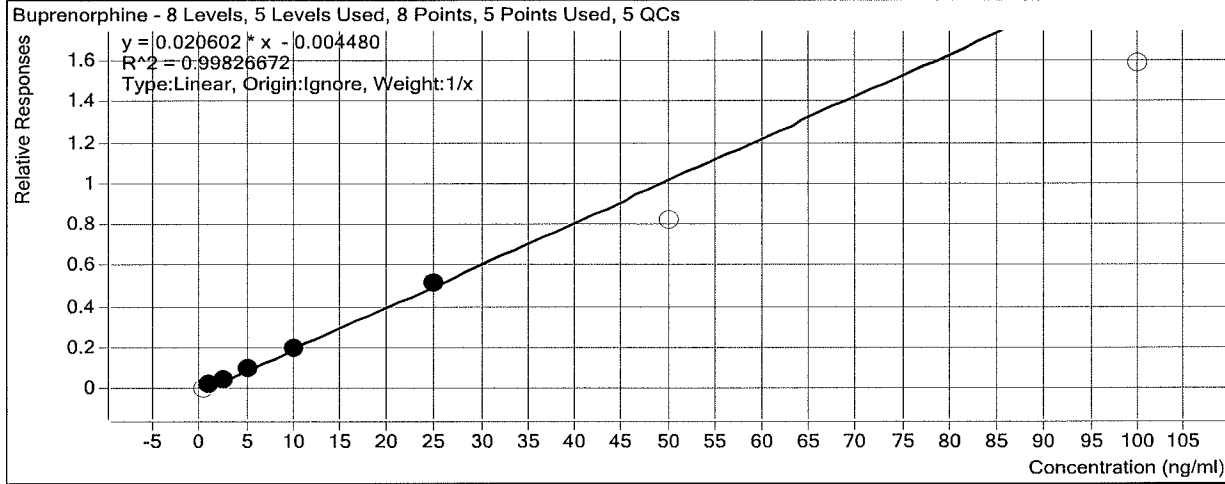


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng/mL	1	<input checked="" type="checkbox"/>	5	6.6	132.1
b cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	10.2	102.0
b QC 10	2	<input checked="" type="checkbox"/>	10	11.1	111.1
b cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	22.7	91.0
b cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	42.6	85.2
b cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	94.4	94.4
b qc 100	5	<input checked="" type="checkbox"/>	100	89.6	89.6
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	90.9	90.9
b cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	232.1	92.9
b QC 250	6	<input checked="" type="checkbox"/>	250	252.0	100.8
b cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	494.3	98.9
b cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	1000	1037.0	103.7
b qc 1000	8	<input checked="" type="checkbox"/>	1000	959.8	96.0

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1b.batch.bin
Last Calib Update 5/9/2017 12:04 PM **Analyst Name** ISP TOX

Target Compound Buprenorphine
Internal Standard Buprenorphine-D4



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng/mL	1	<input type="checkbox"/>	0.5	0.5	90.0
b cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	1	1.1	111.8
b QC 10	2	<input checked="" type="checkbox"/>	1	1.0	98.5
b cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	2.5	2.3	91.2
b cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	5	4.9	97.7
b cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	10	9.8	97.6
b qc 100	5	<input checked="" type="checkbox"/>	10	9.4	93.9
b qc 100 2nd	5	<input checked="" type="checkbox"/>	10	11.0	109.6
b cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	25	25.5	101.9
b QC 250	6	<input checked="" type="checkbox"/>	25	23.1	92.5
b cal 7-500ng/mL	7	<input type="checkbox"/>	50	40.2	80.5
b cal 8-1000ng/mL	8	<input type="checkbox"/>	100	77.2	77.2
b qc 1000	8	<input type="checkbox"/>	100	101.2	101.2

Compound not evaluated- no samples showed indication

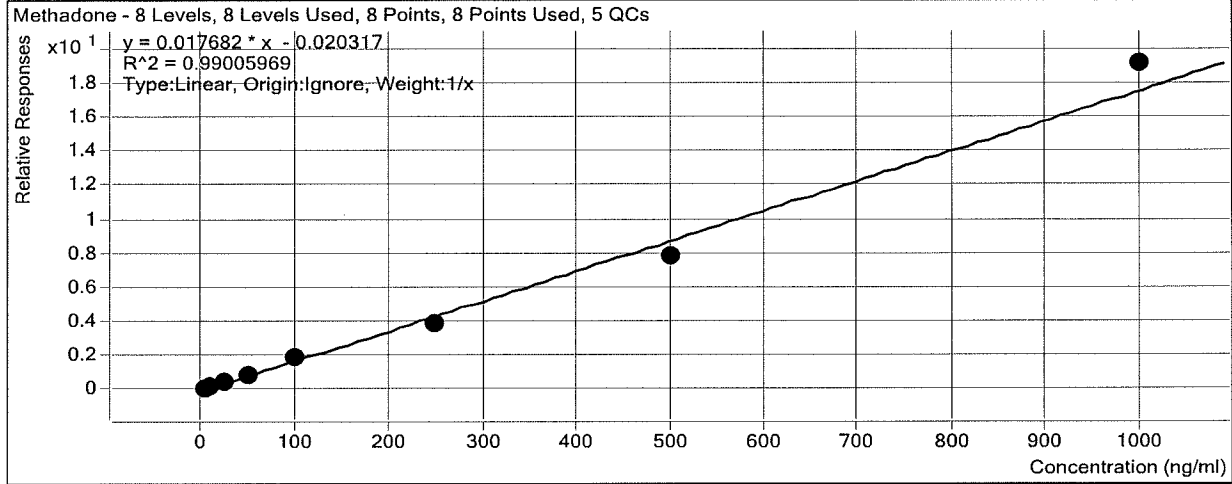
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1b.batch.bin
5/9/2017 12:04 PM

Analyst Name ISP TOX

Target Compound *Methadone*
Internal Standard *Methadone-D9*

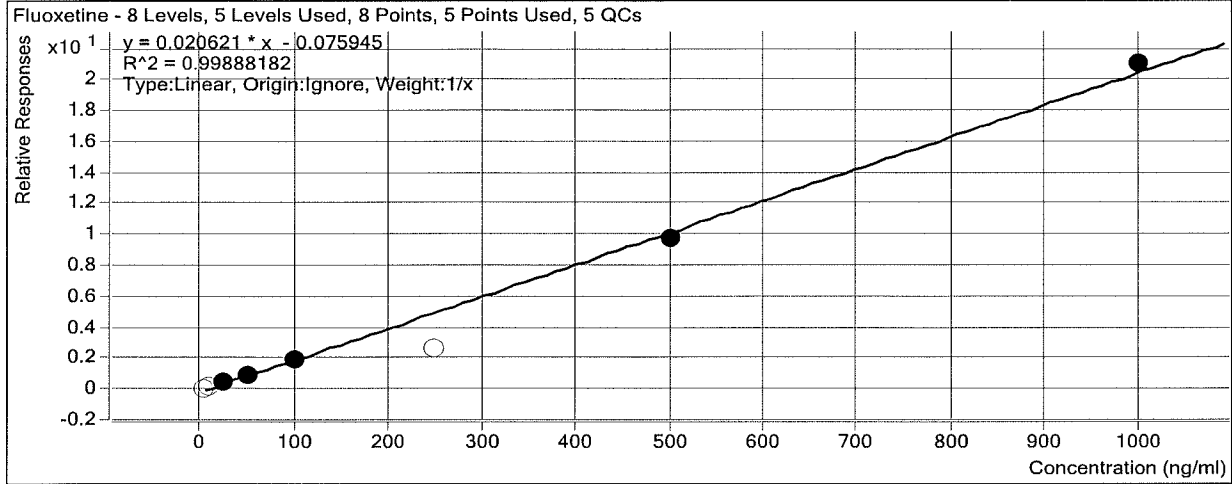


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng/mL	1	<input checked="" type="checkbox"/>	5	5.4	107.8
b cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	10.4	103.6
b QC 10	2	<input checked="" type="checkbox"/>	10	10.9	109.2
b cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	25.1	100.3
b cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	50.0	100.1
b cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	103.6	103.6
b qc 100	5	<input checked="" type="checkbox"/>	100	108.5	108.5
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	92.5	92.5
b cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	219.8	87.9
b QC 250	6	<input checked="" type="checkbox"/>	250	257.7	103.1
b cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	441.4	88.3
b cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	1000	1084.3	108.4
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1105.4	110.5

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1b.batch.bin
Last Calib Update 5/9/2017 12:04 PM **Analyst Name** ISP TOX

Target Compound Fluoxetine
Internal Standard Fluoxetine-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng/mL	1	<input type="checkbox"/>	5	7.8	155.5
b cal 2-10ng/mL	2	<input type="checkbox"/>	10	13.7	137.1
b QC 10	2	<input type="checkbox"/>	10	13.0	129.6
b cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	26.3	105.2
b cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	49.4	98.8
b cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	97.9	97.9
b qc 100	5	<input checked="" type="checkbox"/>	100	99.1	99.1
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	96.6	96.6
b cal 6-250ng/mL	6	<input type="checkbox"/>	250	128.7	51.5
b QC 250	6	<input type="checkbox"/>	250	247.1	98.9
b cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	479.1	95.8
b cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	1000	1022.3	102.2
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1023.9	102.4

Samples not evaluated below 25ng/mL

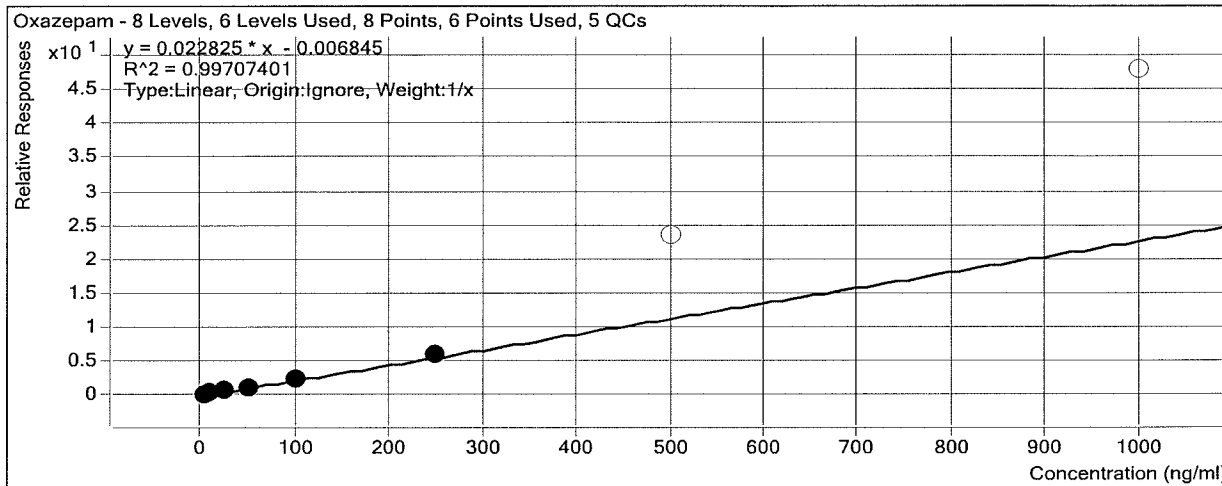
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1b.batch.bin
5/9/2017 12:04 PM

Analyst Name ISP TOX

Target Compound Oxazepam
Internal Standard Oxazepam-D5

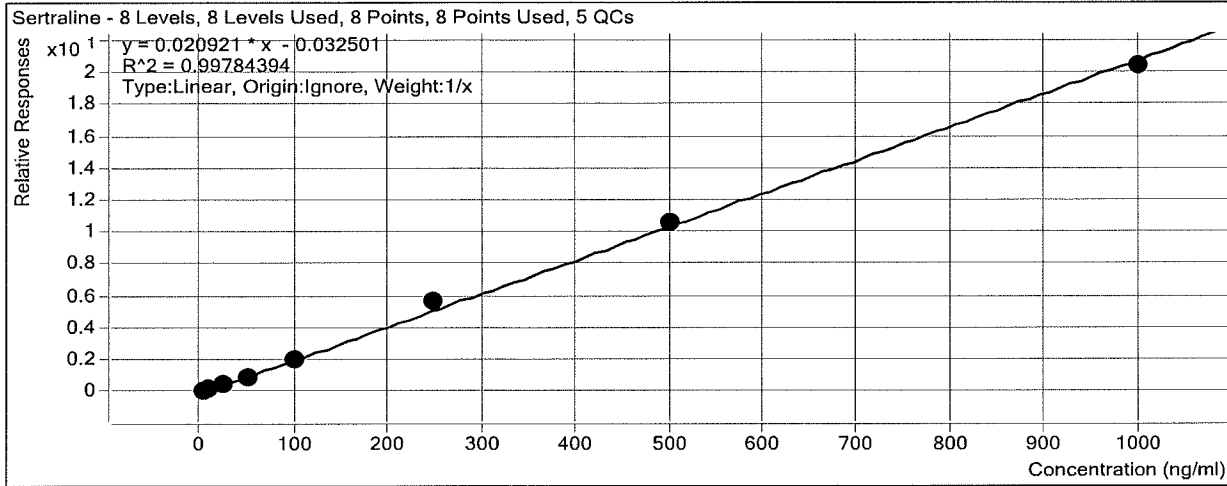


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng/mL	1	<input checked="" type="checkbox"/>	5	5.8	116.3
b cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	9.4	94.3
b QC 10	2	<input checked="" type="checkbox"/>	10	8.1	80.7
b cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	24.8	99.1
b cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	44.3	88.6
b cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	98.9	98.9
b qc 100	5	<input checked="" type="checkbox"/>	100	88.8	88.8
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	94.5	94.5
b cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	256.8	102.7
b QC 250	6	<input checked="" type="checkbox"/>	250	235.7	94.3
b cal 7-500ng/mL	7	<input type="checkbox"/>	500	1025.7	205.1
b cal 8-1000ng/mL	8	<input type="checkbox"/>	1000	2100.5	210.0
b qc 1000	8	<input type="checkbox"/>	1000	1019.7	102.0

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1b.batch.bin
Last Calib Update 5/9/2017 12:04 PM **Analyst Name** ISP TOX

Target Compound Sertraline
Internal Standard Sertraline-D3



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng/mL	1	<input checked="" type="checkbox"/>	5	5.7	113.6
b cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	9.6	96.5
b QC 10	2	<input checked="" type="checkbox"/>	10	10.6	105.9
b cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	22.7	91.0
b cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	46.0	92.1
b cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	97.9	97.9
b qc 100	5	<input checked="" type="checkbox"/>	100	95.9	95.9
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	173.3	173.3
b cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	275.3	110.1
b QC 250	6	<input checked="" type="checkbox"/>	250	237.4	94.9
b cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	505.7	101.1
b cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	1000	976.9	97.7
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1016.2	101.6

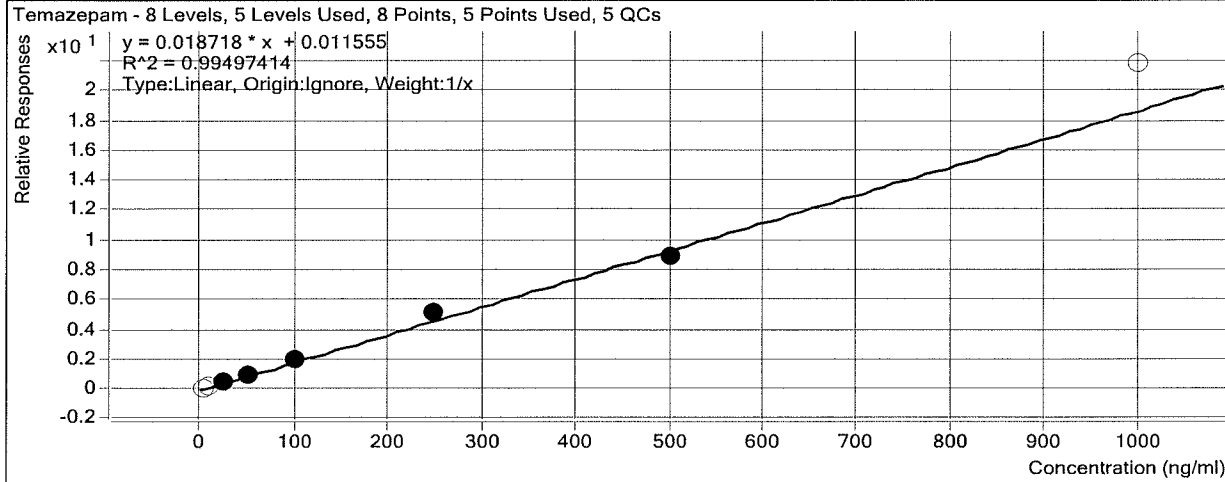
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1b.batch.bin
5/9/2017 12:04 PM

Analyst Name ISP TOX

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



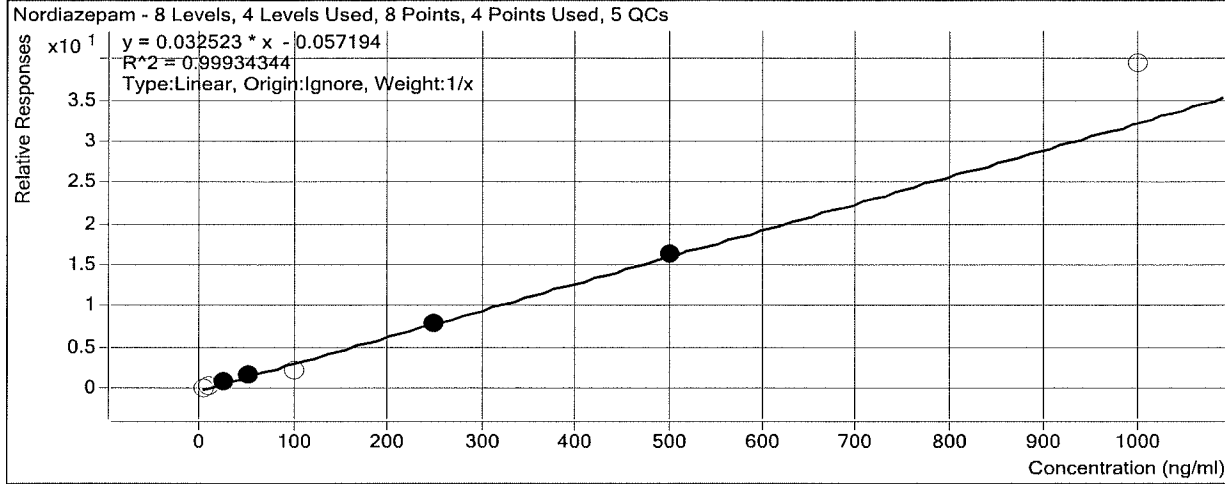
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng/mL	1	<input type="checkbox"/>	5	4.1	82.6
b cal 2-10ng/mL	2	<input type="checkbox"/>	10	7.1	70.7
b QC 10	2	<input checked="" type="checkbox"/>	10	9.3	93.5
b cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	23.4	93.7
b cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	49.2	98.3
b cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	104.1	104.1
b qc 100	5	<input checked="" type="checkbox"/>	100	108.2	108.2
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	95.9	95.9
b cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	270.7	108.3
b QC 250	6	<input checked="" type="checkbox"/>	250	274.6	109.8
b cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	477.5	95.5
b cal 8-1000ng/mL	8	<input type="checkbox"/>	1000	1162.7	116.3
b qc 1000	8	<input type="checkbox"/>	1000	1141.9	114.2

Samples not evaluated below 25ng/mL

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1b.batch.bin
Last Calib Update 5/9/2017 12:04 PM **Analyst Name** ISP TOX

Target Compound Nordiazepam
Internal Standard Nordiazepam-D5



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng/mL	1	<input type="checkbox"/>	5	4.7	94.5
b cal 2-10ng/mL	2	<input type="checkbox"/>	10	10.2	101.6
b QC 10	2	<input checked="" type="checkbox"/>	10	10.9	108.8
b cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	25.5	102.0
b cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	49.8	99.7
b cal 5-100ng/mL	5	<input type="checkbox"/>	100	65.8	65.8
b qc 100	5	<input type="checkbox"/>	100	111.8	111.8
b qc 100 2nd	5	<input type="checkbox"/>	100	109.6	109.6
b cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	242.0	96.8
b QC 250	6	<input checked="" type="checkbox"/>	250	268.4	107.4
b cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	507.7	101.5
b cal 8-1000ng/mL	8	<input type="checkbox"/>	1000	1214.8	121.5
b qc 1000	8	<input type="checkbox"/>	1000	1124.0	112.4

Samples not evaluated below 25ng/mL

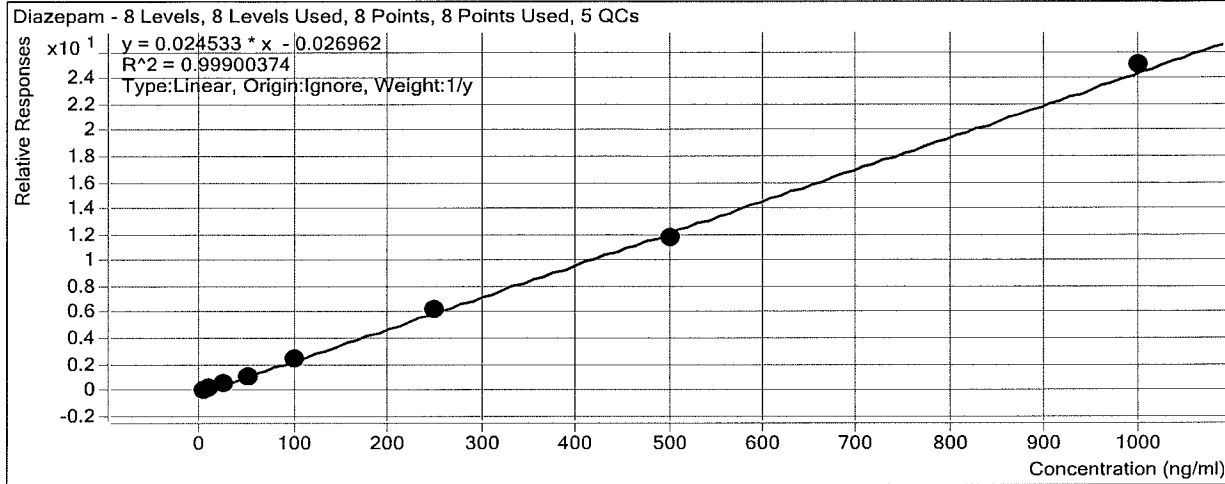
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1b.batch.bin
5/9/2017 12:04 PM

Analyst Name ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng/mL	1	<input checked="" type="checkbox"/>	5	5.7	114.0
b cal 2-10ng/mL	2	<input checked="" type="checkbox"/>	10	9.9	99.4
b QC 10	2	<input checked="" type="checkbox"/>	10	10.6	105.5
b cal 3-25ng/mL	3	<input checked="" type="checkbox"/>	25	23.8	95.1
b cal 4-50ng/mL	4	<input checked="" type="checkbox"/>	50	46.5	92.9
b cal 5-100ng/mL	5	<input checked="" type="checkbox"/>	100	98.2	98.2
b qc 100	5	<input checked="" type="checkbox"/>	100	116.7	116.7
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	99.3	99.3
b cal 6-250ng/mL	6	<input checked="" type="checkbox"/>	250	256.6	102.6
b QC 250	6	<input checked="" type="checkbox"/>	250	253.2	101.3
b cal 7-500ng/mL	7	<input checked="" type="checkbox"/>	500	481.3	96.3
b cal 8-1000ng/mL	8	<input checked="" type="checkbox"/>	1000	1019.9	102.0
b qc 1000	8	<input checked="" type="checkbox"/>	1000	952.2	95.2

ISP FORENSICS - Cd'A Instrument # 62340

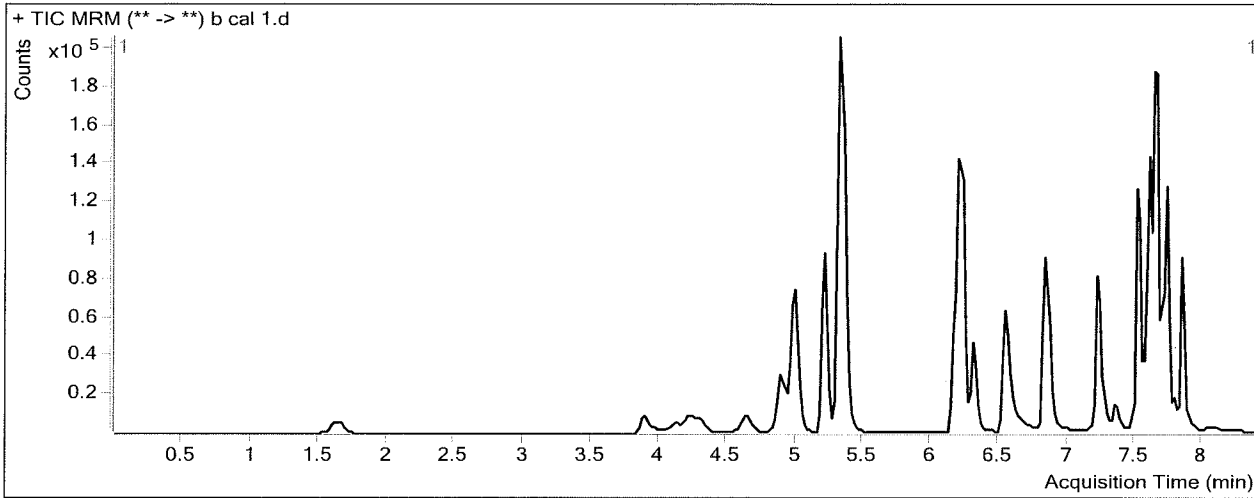
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1b.batch.bin
Analysis Time 5/9/2017 12:04 PM **Analyst Name** ISP Tox
Report Time 5/9/2017 12:10 PM **Reporter Name** ISP Tox
Last Calib Update 5/9/2017 12:04 PM **Batch State** Processed

Analysis Info

Acq Time 2017-05-03 14:27 **Data File** b cal 1.d
Sample Type Calibration **Sample Name** b cal 1-5ng/mL
Dilution 1 **Acq Method** Quant Panel 1b 11-18-2016.m
Position P1-A1 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.648	3055	35538	0.0860	7.2048
Dihydrocodeine	Dihydrocodeine-D6	4.195	2292	25968	0.0883	6.1499
Naloxone	Naloxone-D5	4.286	4025	74673	0.0539	9.2547
Noroxycodone	Noroxycodone-D3	4.678	4069	47477	0.0857	6.3697
Naltrexone	Naltrexone-D3	4.910	9843	111212	0.0885	5.2516
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.044	2751	309604	0.0089	0.7126
Naltrexol	Naltrexol-D3	5.209	27934	268628	0.1040	4.6433
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.360	64603	623001	0.1037	5.6326
Ketamine	Ketamine-D4	6.179	19971	193425	0.1033	6.3308
Norfentanyl	Norfentanyl-D5	6.222	2873	368060	0.0078	0.7038
alpha-PVP	alpha-PVP-d8	6.547	23740	213843	0.1110	5.1464
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.858	2015	279103	0.0072	0.6192
Fentanyl	Fentanyl-D5	7.239	2073	224364	0.0092	0.5846
EDDP	EDDP-D3	7.350	3202	32509	0.0985	6.3612
Sufentanil	Sufentanil-D5	7.518	1284	145230	0.0088	0.9574
Quetiapine	Quetiapine-D8	7.519	48441	128751	0.3762	5.0921
Cyclobenzaprine	Cyclobenzaprine-D3	7.593	9270	98571	0.0940	6.6039
Buprenorphine	Buprenorphine-D4	7.596	237	49536	0.0048	0.4501
Methadone	Methadone-D9	7.603	18843	251193	0.0750	5.3913
Fluoxetine	Fluoxetine-D6	7.665	35627	422246	0.0844	7.7748
Oxazepam	Oxazepam-D5	7.689	2031	16130	0.1259	5.8174
Sertraline	Sertraline-D3	7.706	9468	109711	0.0863	5.6787
Temazepam	Temazepam-D5	7.728	13158	148047	0.0889	4.1308

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

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Nordiazepam	Nordiazepam-D5	7.815	2156	22346	0.0965	4.7253
Diazepam	Diazepam-D5	7.851	17968	159246	0.1128	5.6982



ISP FORENSICS - Cd'A Instrument # 62340

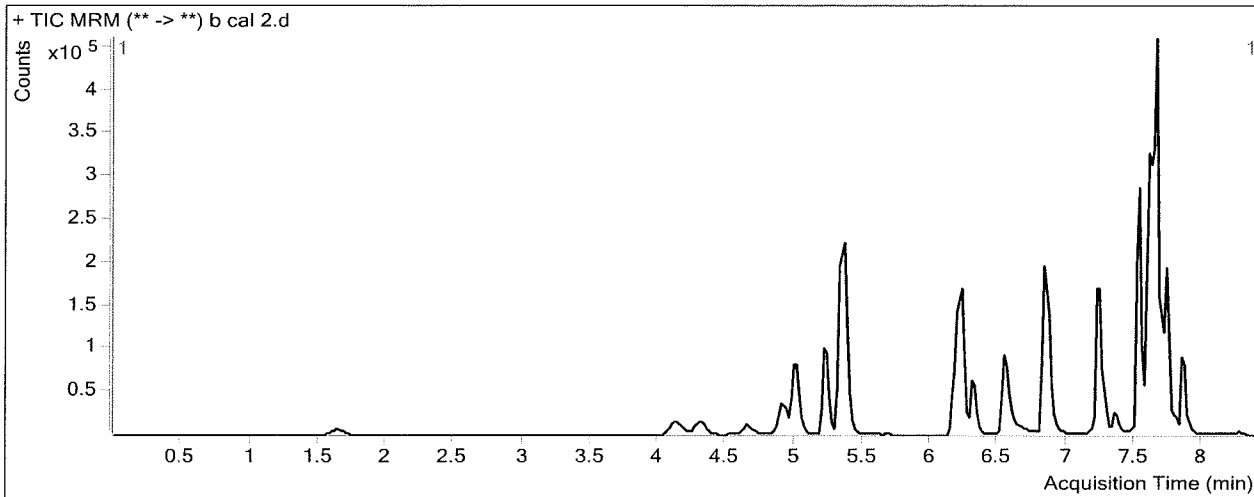
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1b.batch.bin
Analysis Time 5/9/2017 12:04 PM **Analyst Name** ISP Tox
Report Time 5/9/2017 12:11 PM **Reporter Name** ISP Tox
Last Calib Update 5/9/2017 12:04 PM **Batch State** Processed

Analysis Info

Acq Time 2017-05-03 14:52 **Data File** b cal 2.d
Sample Type Calibration **Sample Name** b cal 2-10ng/mL
Dilution 1 **Acq Method** Quant Panel 1b 11-18-2016.m
Position P1-B1 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.648	6920	35708	0.1938	11.8741
Dihydrocodeine	Dihydrocodeine-D6	4.195	13984	81298	0.1720	10.2338
Naloxone	Naloxone-D5	4.367	7788	79164	0.0984	12.8124
Noroxycodone	Noroxycodone-D3	4.700	8087	48884	0.1654	10.0845
Naltrexone	Naltrexone-D3	4.930	20155	107442	0.1876	9.9885
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.064	5378	319685	0.0168	1.1329
Naltrexol	Naltrexol-D3	5.229	56584	270573	0.2091	9.1792
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.360	125589	648841	0.1936	9.6135
Ketamine	Ketamine-D4	6.179	39122	207335	0.1887	9.9246
Norfentanyl	Norfentanyl-D5	6.243	7019	409172	0.0172	1.1480
alpha-PVP	alpha-PVP-d8	6.547	59766	260359	0.2296	10.6333
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.858	8703	604996	0.0144	1.0034
Norbuprenorphine	Norbuprenorphine-D3	7.174	205	11041	0.0186	0.0000
Fentanyl	Fentanyl-D5	7.239	9012	534944	0.0168	0.9392
EDDP	EDDP-D3	7.350	8486	54212	0.1565	9.0993
Sufentanil	Sufentanil-D5	7.518	6131	355060	0.0173	1.3062
Quetiapine	Quetiapine-D8	7.519	131464	188766	0.6964	9.6855
Cyclobenzaprine	Cyclobenzaprine-D3	7.593	43140	237250	0.1818	10.1958
Buprenorphine	Buprenorphine-D4	7.616	2133	115001	0.0185	1.1175
Methadone	Methadone-D9	7.623	94248	578837	0.1628	10.3574
Fluoxetine	Fluoxetine-D6	7.665	150455	727350	0.2069	13.7144
Oxazepam	Oxazepam-D5	7.689	3630	17417	0.2084	9.4319
Sertraline	Sertraline-D3	7.726	35204	207879	0.1693	9.6483

ISP FORENSICS - Cd'A Instrument # 62340

Multi-Drug Confirmatory Analysis Report

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Temazepam	Temazepam-D5	7.748	22509	156452	0.1439	7.0691
Nordiazepam	Nordiazepam-D5	7.815	6814	24949	0.2731	10.1559
Diazepam	Diazepam-D5	7.871	35976	165949	0.2168	9.9355



ISP FORENSICS - Cd'A Instrument # 62340

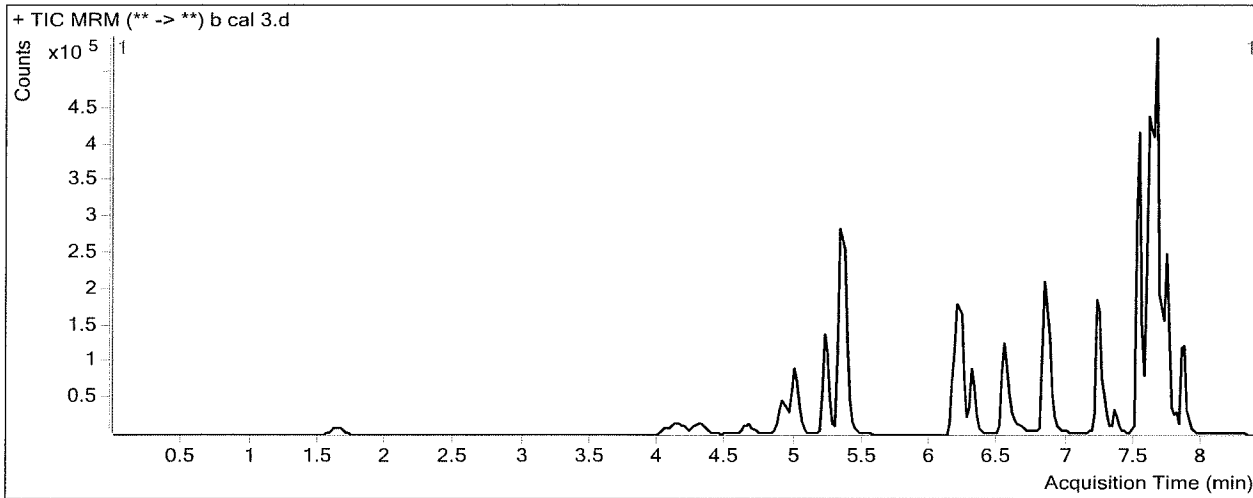
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1b.batch.bin
Analysis Time 5/9/2017 12:04 PM **Analyst Name** ISP Tox
Report Time 5/9/2017 12:11 PM **Reporter Name** ISP Tox
Last Calib Update 5/9/2017 12:04 PM **Batch State** Processed

Analysis Info

Acq Time 2017-05-03 15:18 **Data File** b cal 3.d
Sample Type Calibration **Sample Name** b cal 3-25ng/mL
Dilution 1 **Acq Method** Quant Panel 1b 11-18-2016.m
Position P1-C1 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.648	17660	35247	0.5010	25.1805
Dihydrocodeine	Dihydrocodeine-D6	4.157	36977	79941	0.4626	24.4027
Naloxone	Naloxone-D5	4.347	18418	76617	0.2404	24.1712
Noroxycodone	Noroxycodone-D3	4.678	15728	49405	0.3184	17.2100
Naltrexone	Naltrexone-D3	4.930	48278	98586	0.4897	24.4319
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.064	14048	323443	0.0434	2.5418
Naltrexol	Naltrexol-D3	5.229	151113	254925	0.5928	25.7308
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.360	336727	639827	0.5263	24.3531
Ketamine	Ketamine-D4	6.179	107923	208007	0.5188	23.8121
Norfentanyl	Norfentanyl-D5	6.243	18850	403519	0.0467	2.5527
alpha-PVP	alpha-PVP-d8	6.547	135876	293114	0.4636	21.4649
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.858	24587	616971	0.0399	2.3688
Norbuprenorphine	Norbuprenorphine-D3	7.195	392	10356	0.0379	0.5275
Fentanyl	Fentanyl-D5	7.239	25608	522502	0.0490	2.4384
EDDP	EDDP-D3	7.350	22086	51553	0.4284	21.9260
Sufentanil	Sufentanil-D5	7.518	16843	305237	0.0552	2.8753
Quetiapine	Quetiapine-D8	7.519	344828	188927	1.8252	25.8780
Cyclobenzaprine	Cyclobenzaprine-D3	7.593	108152	221415	0.4885	22.7407
Buprenorphine	Buprenorphine-D4	7.596	4865	114551	0.0425	2.2790
Methadone	Methadone-D9	7.623	245456	580294	0.4230	25.0706
Fluoxetine	Fluoxetine-D6	7.665	373658	800772	0.4666	26.3119
Oxazepam	Oxazepam-D5	7.689	9789	17524	0.5586	24.7730
Sertraline	Sertraline-D3	7.726	87297	196892	0.4434	22.7465

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

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Temazepam	Temazepam-D5	7.748	67361	149644	0.4501	23.4318
Nordiazepam	Nordiazepam-D5	7.815	17176	22245	0.7721	25.4999
Diazepam	Diazepam-D5	7.871	91964	165310	0.5563	23.7746



ISP FORENSICS - Cd'A Instrument # 62340

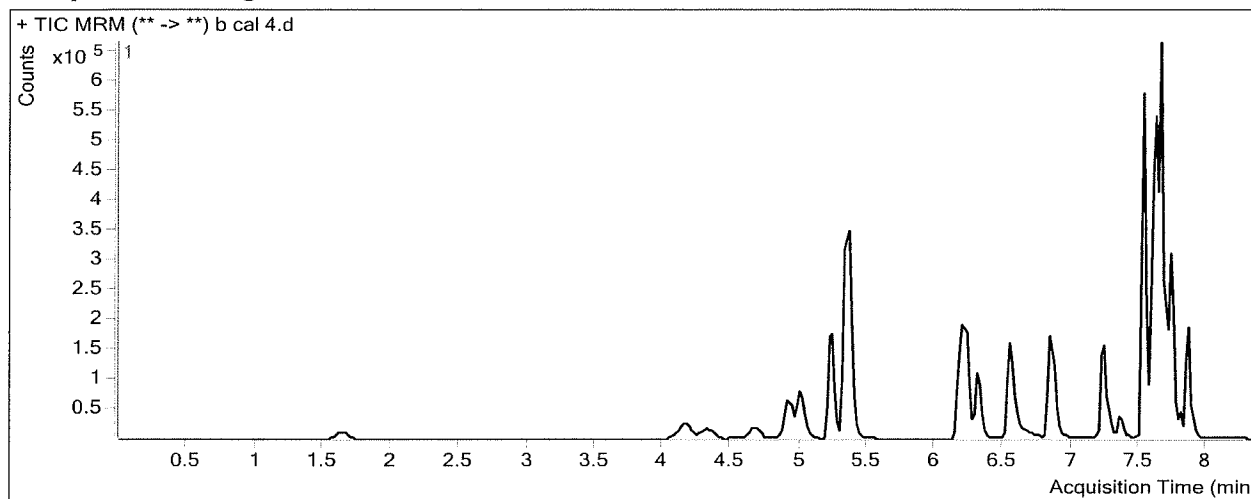
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1b.batch.bin
Analysis Time 5/9/2017 12:04 PM **Analyst Name** ISP Tox
Report Time 5/9/2017 12:11 PM **Reporter Name** ISP Tox
Last Calib Update 5/9/2017 12:04 PM **Batch State** Processed

Analysis Info

Acq Time 2017-05-03 15:43 **Data File** b cal 4.d
Sample Type Calibration **Sample Name** b cal 4-50ng/mL
Dilution 1 **Acq Method** Quant Panel 1b 11-18-2016.m
Position P1-D1 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.648	33288	32725	1.0172	47.5355
Dihydrocodeine	Dihydrocodeine-D6	4.178	71415	72730	0.9819	49.7305
Naloxone	Naloxone-D5	4.347	34920	71122	0.4910	44.2153
Noroxycodone	Noroxycodone-D3	4.700	39998	45464	0.8798	43.3682
Naltrexone	Naltrexone-D3	4.930	92740	95227	0.9739	47.5790
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.064	25479	287109	0.0887	4.9411
Naltrexol	Naltrexol-D3	5.229	287284	240981	1.1921	51.5889
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.360	645793	595193	1.0850	49.1054
Ketamine	Ketamine-D4	6.179	202769	191180	1.0606	46.6011
Norfentanyl	Norfentanyl-D5	6.243	33584	372375	0.0902	4.6185
alpha-PVP	alpha-PVP-d8	6.547	299248	261168	1.1458	53.0447
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.858	37699	470148	0.0802	4.5315
Norbuprenorphine	Norbuprenorphine-D3	7.195	1131	8578	0.1318	5.0828
Fentanyl	Fentanyl-D5	7.239	41331	426382	0.0969	4.6721
EDDP	EDDP-D3	7.350	42389	46709	0.9075	44.5295
Sufentanil	Sufentanil-D5	7.518	29611	261695	0.1132	5.2745
Quetiapine	Quetiapine-D8	7.519	608454	168274	3.6158	51.5656
Cyclobenzaprine	Cyclobenzaprine-D3	7.593	191411	196533	0.9739	42.6030
Buprenorphine	Buprenorphine-D4	7.616	8976	93372	0.0961	4.8834
Methadone	Methadone-D9	7.623	405467	469123	0.8643	50.0292
Fluoxetine	Fluoxetine-D6	7.665	649855	689272	0.9428	49.4050
Oxazepam	Oxazepam-D5	7.689	17178	17099	1.0046	44.3149
Sertraline	Sertraline-D3	7.726	157600	169300	0.9309	46.0496

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

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Temazepam	Temazepam-D5	7.748	135067	144928	0.9320	49.1727
Nordiazepam	Nordiazepam-D5	7.815	34018	21758	1.5635	49.8319
Diazepam	Diazepam-D5	7.871	170732	153407	1.1129	46.4631



ISP FORENSICS - Cd'A Instrument # 62340

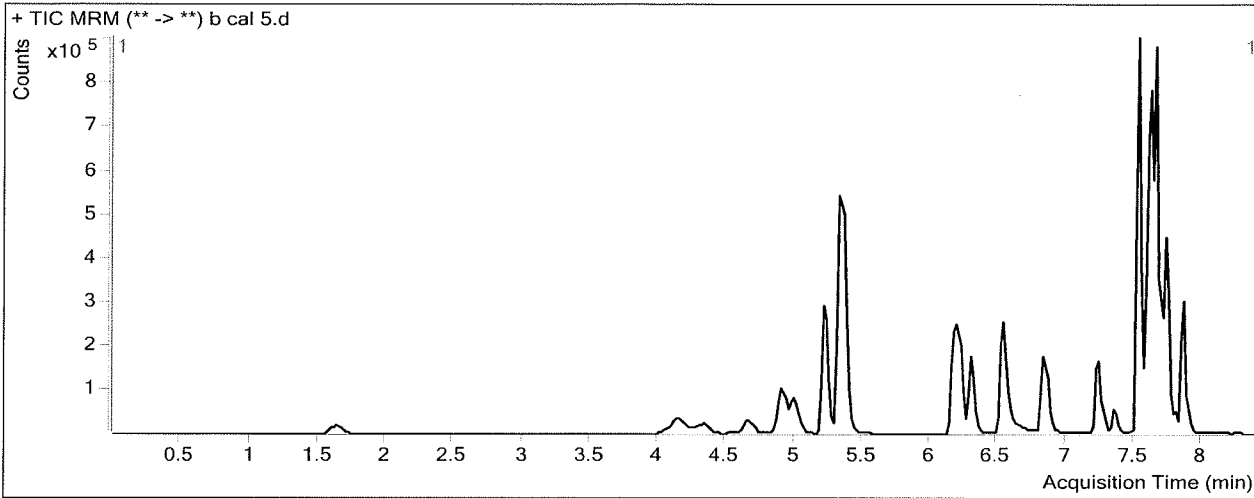
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1b.batch.bin
Analysis Time 5/9/2017 12:04 PM **Analyst Name** ISP Tox
Report Time 5/9/2017 12:11 PM **Reporter Name** ISP Tox
Last Calib Update 5/9/2017 12:04 PM **Batch State** Processed

Analysis Info

Acq Time 2017-05-03 16:08 **Data File** b cal 5.d
Sample Type Calibration **Sample Name** b cal 5-100ng/mL
Dilution 1 **Acq Method** Quant Panel 1b 11-18-2016.m
Position P1-E1 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.648	68819	32352	2.1272	95.6078
Dihydrocodeine	Dihydrocodeine-D6	4.157	143999	71137	2.0242	100.5622
Naloxone	Naloxone-D5	4.347	73786	68897	1.0710	90.6053
Noroxycodone	Noroxycodone-D3	4.678	79197	43820	1.8073	86.5848
Naltrexone	Naltrexone-D3	4.910	184727	87804	2.1038	101.5985
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.044	54142	286153	0.1892	10.2604
Naltrexol	Naltrexol-D3	5.209	568048	227065	2.5017	108.0865
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.360	1301843	596334	2.1831	97.7502
Ketamine	Ketamine-D4	6.179	412688	191524	2.1548	92.6246
Norfentanyl	Norfentanyl-D5	6.222	67219	364759	0.1843	9.0895
alpha-PVP	alpha-PVP-d8	6.547	599140	254499	2.3542	108.9788
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.858	78276	454202	0.1723	9.4726
Norbuprenorphine	Norbuprenorphine-D3	7.195	1620	7312	0.2216	9.4394
Fentanyl	Fentanyl-D5	7.239	82799	399815	0.2071	9.8066
EDDP	EDDP-D3	7.350	87888	40947	2.1464	102.9777
Sufentanil	Sufentanil-D5	7.518	52966	257482	0.2057	9.1053
Quetiapine	Quetiapine-D8	7.519	1021421	153122	6.6706	95.3879
Cyclobenzaprine	Cyclobenzaprine-D3	7.593	369825	165146	2.2394	94.3762
Buprenorphine	Buprenorphine-D4	7.616	16243	82648	0.1965	9.7566
Methadone	Methadone-D9	7.623	765710	422646	1.8117	103.6084
Fluoxetine	Fluoxetine-D6	7.665	1165206	599791	1.9427	97.8941
Oxazepam	Oxazepam-D5	7.689	36880	16386	2.2507	98.9088
Sertraline	Sertraline-D3	7.726	278772	138314	2.0155	97.8934

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

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Temazepam	Temazepam-D5	7.748	271807	138635	1.9606	104.1276
Nordiazepam	Nordiazepam-D5	7.836	39844	19144	2.0813	65.7538
Diazepam	Diazepam-D5	7.871	343423	144193	2.3817	98.1785



ISP FORENSICS - Cd'A Instrument # 62340

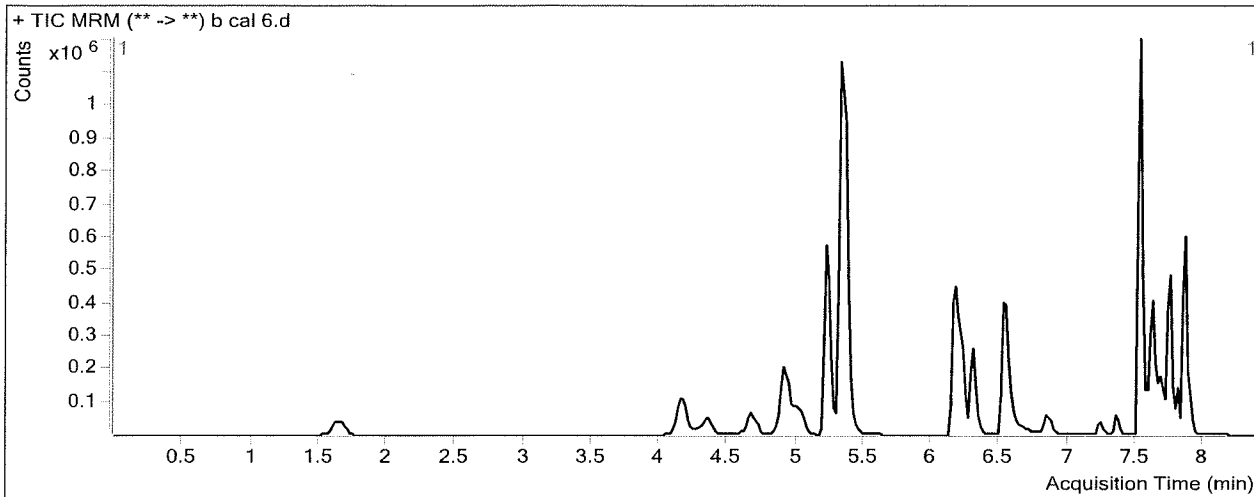
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1b.batch.bin
Analysis Time 5/9/2017 12:04 PM **Analyst Name** ISP Tox
Report Time 5/9/2017 12:11 PM **Reporter Name** ISP Tox
Last Calib Update 5/9/2017 12:04 PM **Batch State** Processed

Analysis Info

Acq Time 2017-05-03 16:34 **Data File** b cal 6.d
Sample Type Calibration **Sample Name** b cal 6-250ng/mL
Dilution 1 **Acq Method** Quant Panel 1b 11-18-2016.m
Position P1-F1 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.648	168407	32190	5.2316	230.0527
Dihydrocodeine	Dihydrocodeine-D6	4.178	357242	70185	5.0900	250.0708
Naloxone	Naloxone-D5	4.347	177888	62735	2.8355	231.7471
Noroxycodone	Noroxycodone-D3	4.678	206993	40827	5.0700	238.5997
Naltrexone	Naltrexone-D3	4.910	420115	80147	5.2418	251.6144
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.044	135735	264634	0.5129	27.4008
Naltrexol	Naltrexol-D3	5.209	1312057	213733	6.1388	264.9983
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.340	3203396	586983	5.4574	242.8039
Ketamine	Ketamine-D4	6.179	1001066	180946	5.5324	234.7003
Norfentanyl	Norfentanyl-D5	6.222	159462	310442	0.5137	24.7407
alpha-PVP	alpha-PVP-d8	6.527	966306	209582	4.6106	213.4245
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.837	47421	113589	0.4175	22.6168
Norbuprenorphine	Norbuprenorphine-D3	7.174	1406	2453	0.5733	26.4970
Fentanyl	Fentanyl-D5	7.239	31695	60681	0.5223	24.4993
EDDP	EDDP-D3	7.350	113707	21171	5.3708	255.1063
Sufentanil	Sufentanil-D5	7.518	19284	38125	0.5058	21.5256
Quetiapine	Quetiapine-D8	7.519	1647184	92138	17.8773	256.1524
Cyclobenzaprine	Cyclobenzaprine-D3	7.593	136679	24379	5.6063	232.1278
Buprenorphine	Buprenorphine-D4	7.616	9296	17872	0.5201	25.4635
Methadone	Methadone-D9	7.623	384027	99308	3.8670	219.8445
Fluoxetine	Fluoxetine-D6	7.644	210485	81620	2.5789	128.7453
Oxazepam	Oxazepam-D5	7.689	103328	17652	5.8535	256.7540
Sertraline	Sertraline-D3	7.726	94815	16555	5.7274	275.3186

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

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Temazepam	Temazepam-D5	7.748	703170	138445	5.0790	270.7314
Nordiazepam	Nordiazepam-D5	7.815	147646	18895	7.8139	242.0150
Diazepam	Diazepam-D5	7.871	812056	129555	6.2680	256.5894



ISP FORENSICS - Cd'A Instrument # 62340

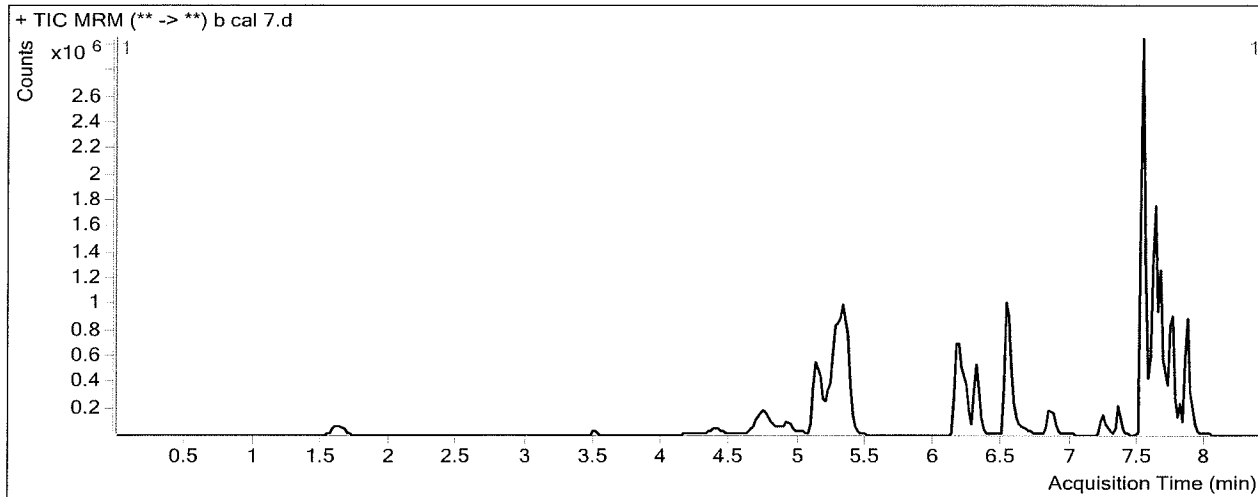
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1b.batch.bin		
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Report Time	5/9/2017 12:11 PM	Reporter Name	ISP Tox
Last Calib Update	5/9/2017 12:04 PM	Batch State	Processed

Analysis Info

Acq Time	2017-05-03 16:59	Data File	b cal 7.d
Sample Type	Calibration	Sample Name	b cal 7-500ng/mL
Dilution	1	Acq Method	Quant Panel 1b 11-18-2016.m
Position	P1-G1	Sample Info	
Inj Vol	-1	Comment	AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.628	275930	26548	10.3938	453.6214
Dihydrocodeine	Dihydrocodeine-D6	4.178	35923	2622	13.7005	669.9829
Naloxone	Naloxone-D5	4.347	33449	5370	6.2283	503.1191
Noroxycodone	Noroxycodone-D3	4.678	26846	5678	4.7281	222.6698
Naltrexone	Naltrexone-D3	4.910	73277	10393	7.0505	338.0795
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.044	33967	67771	0.5012	26.7802
Naltrexol	Naltrexol-D3	5.129	2069827	187751	11.0243	475.7731
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.340	5886839	526415	11.1829	496.4468
Ketamine	Ketamine-D4	6.159	1834048	166323	11.0270	465.8232
Norfentanyl	Norfentanyl-D5	6.222	332815	321545	1.0350	49.5156
alpha-PVP	alpha-PVP-d8	6.527	2817133	252179	11.1712	517.0979
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.858	248448	258000	0.9630	51.8656
Norbuprenorphine	Norbuprenorphine-D3	7.174	4046	3902	1.0369	48.9807
Fentanyl	Fentanyl-D5	7.239	174652	159912	1.0922	51.0599
EDDP	EDDP-D3	7.350	398775	35216	11.3238	535.9628
Sufentanil	Sufentanil-D5	7.518	111282	95888	1.1605	48.6243
Quetiapine	Quetiapine-D8	7.519	4238348	128765	32.9155	471.8808
Cyclobenzaprine	Cyclobenzaprine-D3	7.593	785230	65354	12.0149	494.3218
Buprenorphine	Buprenorphine-D4	7.616	32079	38894	0.8248	40.2500
Methadone	Methadone-D9	7.623	1750223	224816	7.7851	441.4299
Fluoxetine	Fluoxetine-D6	7.665	1873530	191114	9.8032	479.0922
Oxazepam	Oxazepam-D5	7.689	180476	7711	23.4039	1025.6722
Sertraline	Sertraline-D3	7.726	496322	47056	10.5475	505.7168

ISP FORENSICS - Cd'A Instrument # 62340

Multi-Drug Confirmatory Analysis Report

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Temazepam	Temazepam-D5	7.748	1007104	112526	8.9500	477.5365
Nordiazepam	Nordiazepam-D5	7.815	263290	16002	16.4532	507.6533
Diazepam	Diazepam-D5	7.871	1240381	105296	11.7799	481.2587



ISP FORENSICS - Cd'A Instrument # 62340

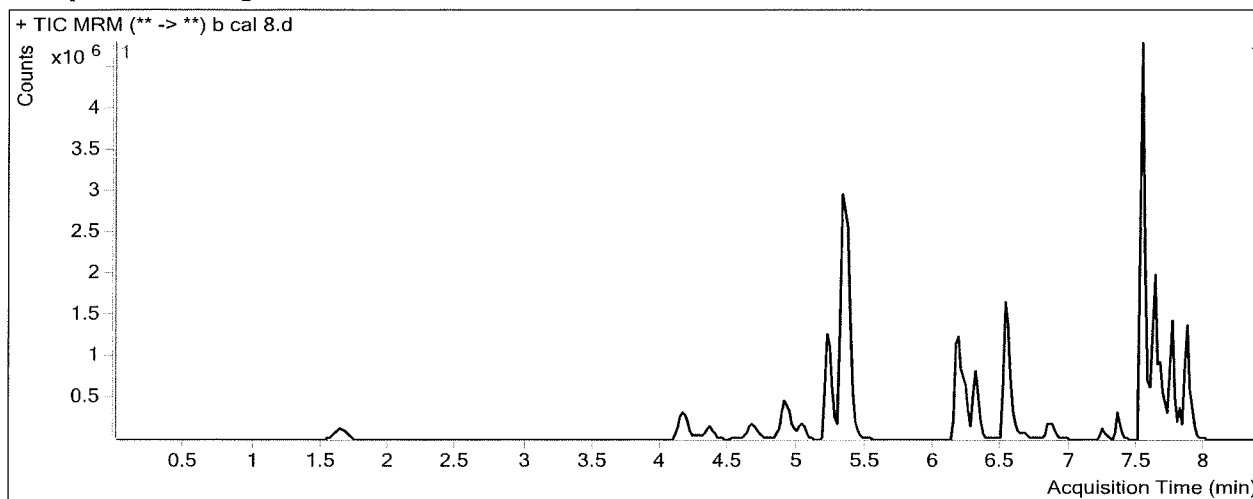
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\5317 mdq p1\QuantResults\5-3-17 MDQ p1b.batch.bin
Analysis Time 5/9/2017 12:04 PM **Analyst Name** ISP Tox
Report Time 5/9/2017 12:11 PM **Reporter Name** ISP Tox
Last Calib Update 5/9/2017 12:04 PM **Batch State** Processed

Analysis Info

Acq Time 2017-05-03 17:25 **Data File** b cal 8.d
Sample Type Calibration **Sample Name** b cal 8-1000ng/mL
Dilution 1 **Acq Method** Quant Panel 1b 11-18-2016.m
Position P1-H1 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.648	606633	24608	24.6521	1071.1280
Dihydrocodeine	Dihydrocodeine-D6	4.157	1099869	56145	19.5897	957.1847
Naloxone	Naloxone-D5	4.347	567503	44355	12.7946	1028.3296
Noroxycodone	Noroxycodone-D3	4.678	653220	29617	22.0553	1029.9931
Naltrexone	Naltrexone-D3	4.910	1063466	50916	20.8865	999.5361
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.044	490787	216196	2.2701	120.4427
Naltrexol	Naltrexol-D3	5.209	3475831	142347	24.4180	1053.6090
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.340	10159250	444172	22.8723	1014.2946
Ketamine	Ketamine-D4	6.179	3428268	136274	25.1571	1060.1833
Norfentanyl	Norfentanyl-D5	6.222	565066	264530	2.1361	101.8351
alpha-PVP	alpha-PVP-d8	6.527	4529266	207533	21.8243	1010.2094
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.858	297602	157538	1.8891	101.5221
Norbuprenorphine	Norbuprenorphine-D3	7.174	4182	1751	2.3877	114.4916
Fentanyl	Fentanyl-D5	7.239	171516	69546	2.4662	115.1048
EDDP	EDDP-D3	7.350	581764	26232	22.1773	1048.0279
Sufentanil	Sufentanil-D5	7.518	105990	41977	2.5250	105.0950
Quetiapine	Quetiapine-D8	7.519	7014996	98211	71.4279	1024.3578
Cyclobenzaprine	Cyclobenzaprine-D3	7.593	705015	27888	25.2799	1037.0308
Buprenorphine	Buprenorphine-D4	7.616	35143	22156	1.5862	77.2077
Methadone	Methadone-D9	7.623	2311451	120690	19.1519	1084.2689
Fluoxetine	Fluoxetine-D6	7.665	1322631	62969	21.0044	1022.2967
Oxazepam	Oxazepam-D5	7.689	355162	7409	47.9366	2100.4985
Sertraline	Sertraline-D3	7.726	284798	13957	20.4060	976.9481

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

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Temazepam	Temazepam-D5	7.748	2088982	95940	21.7739	1162.6573
Nordiazepam	Nordiazepam-D5	7.815	434198	11006	39.4516	1214.7958
Diazepam	Diazepam-D5	7.871	2058103	82344	24.9940	1019.8738

