



















Bylee

Worklist: 1895

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>	
C2017-1623	1	95149	AM 28 Blood Multi-Drug Quant	
C2017-1676	1	95150	AM 28 Blood Multi-Drug Quant	
C2017-1703	1	95151	AM 28 Blood Multi-Drug Quant	
C2017-1719	1	95152	AM 28 Blood Multi-Drug Quant	
C2017-1720	1	95153	AM 28 Blood Multi-Drug Quant	
C2017-1738	1	95154	AM 28 Blood Multi-Drug Quant	
C2017-1758	1	95155	AM 28 Blood Multi-Drug Quant	
C2017-1759	1	95156	AM 28 Blood Multi-Drug Quant	
C2017-1760	1	95157	AM 28 Blood Multi-Drug Quant	
C2017-1766	1	95158	AM 28 Blood Multi-Drug Quant	
C2017-1767	1	95159	AM 28 Blood Multi-Drug Quant	
C2017-1775	1	95160	AM 28 Blood Multi-Drug Quant	
C2017-1808	1	95161	AM 28 Blood Multi-Drug Quant	
C2017-1821	1	95162	AM 28 Blood Multi-Drug Quant	
C2017-1822	1	95163	AM 28 Blood Multi-Drug Quant	
C2017-1823	1	95164	AM 28 Blood Multi-Drug Quant	
C2017-1825	1	95165	AM 28 Blood Multi-Drug Quant	
M2017-2649	1	95166	AM 28 Blood Multi-Drug Quant	
M2017-3502	1	95172	AM 28 Blood Multi-Drug Quant	
M2017-3719	1	95167	AM 28 Blood Multi-Drug Quant	
M2017-3801	3	95168	AM 28 Blood Multi-Drug Quant	
M2017-3805	2	95169	AM 28 Blood Multi-Drug Quant	
M2017-3811	4	95170	AM 28 Blood Multi-Drug Quant	



Worklist: 1895

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>
P2017-2014	1	95171	AM 28 Blood Multi-Drug Quant



A handwritten signature in black ink, consisting of a stylized, cursive letter 'A' with a horizontal line extending to the right.

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

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

Analyst: Anne Nord
Plate Expiration: ~~5/31/2018~~ 6/5/2018 amn

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

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

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

Pre-Analytic:

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

Analytic:

- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. Pipette **250µL blood (calibrated pipette) Pipette ID: 2609543** in wells of analytical (standards) plate.
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes. *Shaker ID: 66759*
- 4. Pipette **250µL 00.5M ammonium hydroxide** in wells of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 6. Transfer **300µL of blood+base** mixture to corresponding wells of SLE+ plate.
- 7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent).
(Load at 85-100 PSI- Selector to the right) Manifold ID: 66792
- 8. Wait 5 minutes.
- 9. Add **900uL ethyl acetate.**
- 10. Wait 5 minutes.
- 11. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left).*
- 12. Add **900uL ethyl acetate.**
- 13. Wait 5 minutes.
- 14. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left).*
- 15. Remove plate containing eluate. Place on SPE Dry and evaporate to dryness at approx. 35°C.
SPE Dry ID: 66819
- 16. Reconstitute in **100µL 20% MeOH** and heat seal plate with foil. Place in autosampler and run worklist.

Post-Analytic

- 1. Create batch and process data. 91417 mda pla
Worklist path: 91417 mda pl and pl2 Batch Name: 91417 mda pl b
- 2. Make necessary changes to integration limits
- 3. Integration linear and r^2 values ≥ 0.98 for each analyte.
- 4. For unknown samples and controls: response ratio within 20% of average of controls and standards, RT within +/- 5%, S/N for primary and secondary transitions > 10 .
- 5. Did all QCs pass for each analyte? Y/N oxycodone 1000 rt out ~~exam~~ no case samples evaluated.
- 6. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

COMMENTS: Amphetamine 10-500 Nor buprenorphine 2.5-100
Hydrocodone 5-500 Nor Fentanyl 2.5-100
Lorazepam 5-500
Norhydrocodone 50-1000
Buprenorphine 2.5-100
Diazepam 10-1000
Fluoxetine 25-1000



Toxicology AM method 28 panel 1 external prep information

working solution 10000 ng/ml in meoh morphine, dextromethorphan, lorazepam, oxazepam

Stock solution 1mg/ml 100 ul each in 9600 ul meOH lot (Fisher 168427)

Ppd 8/17/17 Exp: 2/17/17~~8~~ lot 21717~~8~~ by AMN

Drug	lot	expiration
Morphine	fe08141515	11/1/2020
dextromethorphan	fn07231501	7/1/2020
Lorazepam	fe04231401	5/1/2019
Oxazepam	fe08141401	10/1/2018

AMN 28 control 50 ul working solution lot (21717) in 9950 ul blood lot (321632)

ppd 8/17/17 Exp 2/17/17~~8~~ by AMN Concentration 50 ng/ml each

ISP FORENSICS - Cd'A Instrument # 62340

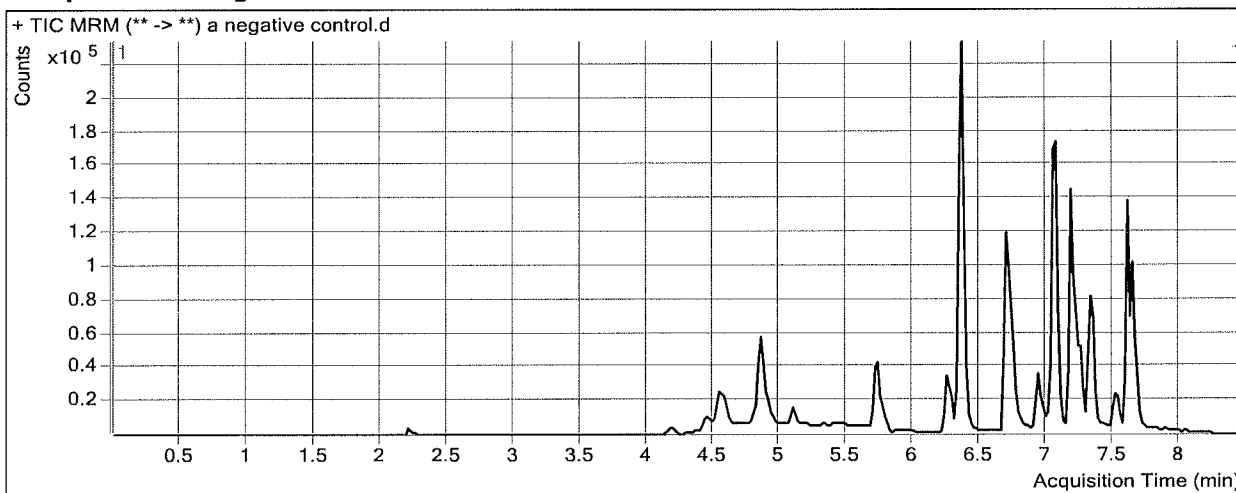
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p1a.batch.bin
Analysis Time 9/17/2017 9:37 AM **Analyst Name** ISP Tox
Report Time 9/17/2017 9:46 AM **Reporter Name** ISP Tox
Last Calib Update 9/17/2017 9:37 AM **Batch State** Processed

Analysis Info

Acq Time 2017-09-14 19:00 **Data File** a negative control.d
Sample Type Sample **Sample Name** a negative control
Dilution 1 **Acq Method** Quant Panel 1a 8-8-17.m
Position P1-E2 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Amphetamine	Amphetamine-D11	4.561	16331	34061	0.4795	0.0000 <i>L 10</i>

ISP FORENSICS - Cd'A Instrument # 62340

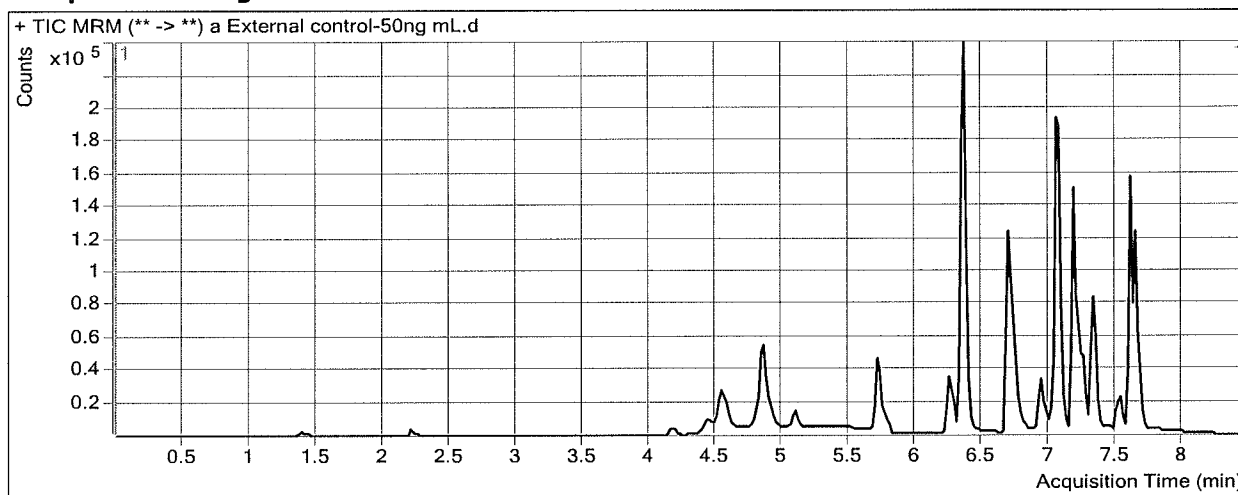
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p1a.batch.bin
Analysis Time 9/17/2017 9:37 AM **Analyst Name** ISP Tox
Report Time 9/17/2017 9:46 AM **Reporter Name** ISP Tox
Last Calib Update 9/17/2017 9:37 AM **Batch State** Processed

Analysis Info

Acq Time 2017-09-14 19:25 **Data File** a External control-50ng mL.d
Sample Type Sample **Sample Name** a External control-50ng mL
Dilution 1 **Acq Method** Quant Panel 1a 8-8-17.m
Position P1-F2 **Sample Info**
Inj Vol -1 **Comment** AM 28; lot 21718 50 ng morphine, dextromethorphan lorazepam

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.388	6746	2230	3.0252	<u>27.3516</u>
Amphetamine	Amphetamine-D11	4.541	21154	32950	0.6420	1.2362 <i>L 10</i>
Dextromethorphan	Dextromethorphan-D3	7.327	7250	10412	0.6963	<u>33.9075</u>
Lorazepam	Alprazolam-D5	7.641	18570	201493	0.0922	<u>32.4031</u>

ISP FORENSICS - Cd'A Instrument # 62340

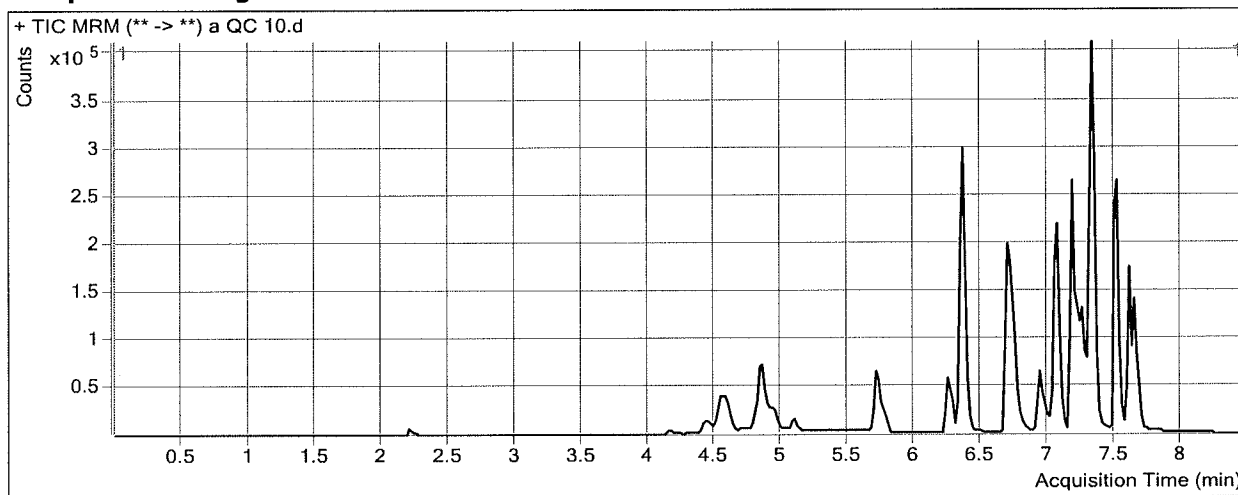
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p1a.batch.bin
Analysis Time 9/17/2017 9:37 AM **Analyst Name** ISP Tox
Report Time 9/17/2017 9:46 AM **Reporter Name** ISP Tox
Last Calib Update 9/17/2017 9:37 AM **Batch State** Processed

Analysis Info

Acq Time 2017-09-14 19:50 **Data File** a QC 10.d
Sample Type QC **Sample Name** a QC 10
Dilution 1 **Acq Method** Quant Panel 1a 8-8-17.m
Position P1-A2 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

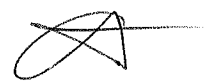
Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.408	2195	2070	1.0606	10.0437
Hydromorphone	Hydromorphone-D6	2.209	4982	10434	0.4775	10.6336
Codeine	Codeine-D6	4.237	4124	17857	0.2309	9.8222
Amphetamine	Amphetamine-D11	4.581	63970	58246	1.0983	7.6251
Oxycodone	Oxycodone-D6	4.589	22536	91097	0.2474	9.9342
Hydrocodone	Hydrocodone-D6	4.893	14628	80655	0.1814	9.6322
Methamphetamine	Methamphetamine-D11	4.961	55318	180030	0.3073	9.7447
Norhydrocodone	Norhydrocodone-D3	4.938	957	28117	0.0340	* 13.0673 *
6-MAM	6-MAM-D6	5.107	755	30152	0.0250	0.9380
Phentermine	Phentermine-D5	5.763	11280	194505	0.0580	9.5092
Dextroprphan	Dextroprphan-D3	6.261	14008	122350	0.1145	9.7021
Tramadol	Tramadol-13C-D3	6.379	129627	665438	0.1948	10.3183
7-aminoclonazepam	7-Aminoclonazepam-D4	6.351	18471	88138	0.2096	8.8349
Doxylamine	Doxylamine-D5	6.722	107994	580843	0.1859	10.0441
Bupropion	Bupropion-D9	6.970	24586	138466	0.1776	9.6372
Meprobamate	Meprobamate-D7	7.052	8576	48500	0.1768	10.1183
Zolpidem	Zolpidem-D6	7.061	107025	510857	0.2095	10.2725
Venlafaxine	Venlafaxine-D6	7.184	112430	530947	0.2118	9.5932
Trazodone	Trazodone-D6	7.275	70117	323529	0.2167	9.5899
Citalopram	Citalopram-D6	7.296	71672	362216	0.1979	9.5219
Dextromethorphan	Dextromethorphan-D3	7.327	15072	79690	0.1891	9.5775
Diphenhydramine	Diphenhydramine-D3	7.351	93459	539076	0.1734	9.4784
Promethazine	Promethazine-D3	7.505	101352	599446	0.1691	10.2824

* curve does not include this value

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

a qc 10

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.522	12869	19011	0.6769	8.6505
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.579	4175	21086	0.1980	9.5918
Carisoprodol	Carisoprodol-D7	7.611	44882	225992	0.1986	11.0010
Lorazepam	Alprazolam-D5	7.641	4011	179202	0.0224	8.0509
Alprazolam	Alprazolam-D5	7.644	45762	179202	0.2554	9.9173



ISP FORENSICS - Cd'A Instrument # 62340

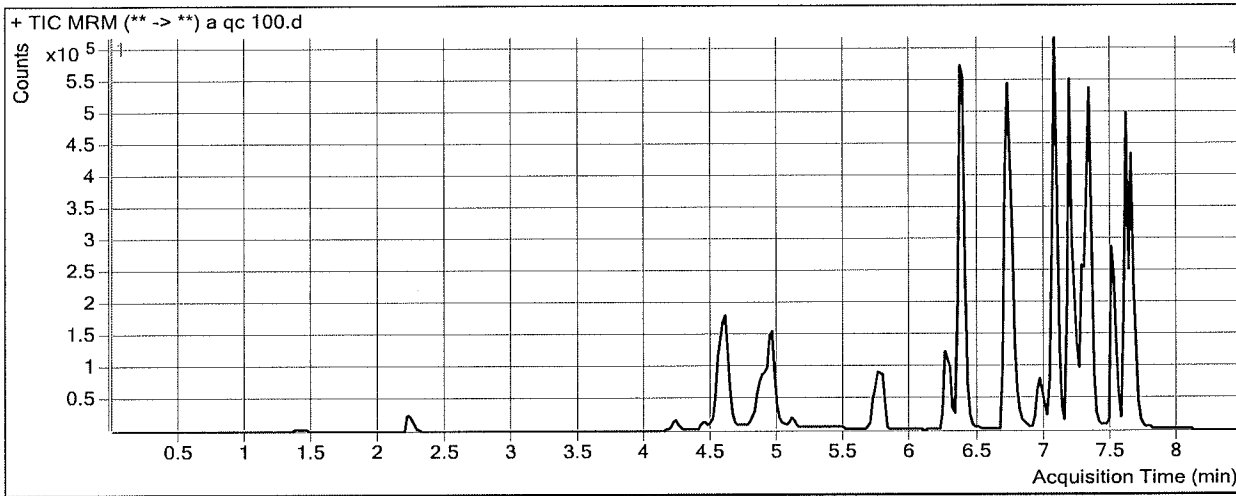
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p1a.batch.bin
Analysis Time 9/17/2017 9:37 AM **Analyst Name** ISP Tox
Report Time 9/17/2017 9:46 AM **Reporter Name** ISP Tox
Last Calib Update 9/17/2017 9:37 AM **Batch State** Processed

Analysis Info

Acq Time 2017-09-14 23:50 **Data File** a qc 100.d
Sample Type QC **Sample Name** a qc 100
Dilution 1 **Acq Method** Quant Panel 1a 8-8-17.m
Position P1-B2 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.408	18082	1651	10.9546	97.2098
Hydromorphone	Hydromorphone-D6	2.209	52312	12338	4.2400	98.3166
Codeine	Codeine-D6	4.237	36940	15049	2.4547	92.0320
Amphetamine	Amphetamine-D11	4.581	369347	45253	8.1618	106.5254
Oxycodone	Oxycodone-D6	4.609	206540	77959	2.6494	97.8869
Hydrocodone	Hydrocodone-D6	4.893	133575	69212	1.9299	105.8112
Methamphetamine	Methamphetamine-D11	4.961	412652	156096	2.6436	101.3503
Norhydrocodone	Norhydrocodone-D3	4.938	8372	23285	0.3595	85.6035
6-MAM	6-MAM-D6	5.107	6533	24458	0.2671	10.3720
Phentermine	Phentermine-D5	5.783	100477	160679	0.6253	106.1263
Dextroprphan	Dextroprphan-D3	6.261	108222	88604	1.2214	97.7952
Tramadol	Tramadol-13C-D3	6.379	1070516	556648	1.9231	99.4119
7-aminoclonazepam	7-Aminoclonazepam-D4	6.351	164719	72554	2.2703	105.0770
Doxylamine	Doxylamine-D5	6.722	877990	449975	1.9512	107.7076
Bupropion	Bupropion-D9	6.970	118863	61749	1.9249	97.4680
Meprobamate	Meprobamate-D7	7.052	80079	44678	1.7924	110.7098
Zolpidem	Zolpidem-D6	7.061	878017	449824	1.9519	97.7037
Venlafaxine	Venlafaxine-D6	7.184	835224	367037	2.2756	104.0442
Trazodone	Trazodone-D6	7.254	381209	165863	2.2983	93.0505
Citalopram	Citalopram-D6	7.296	325828	149242	2.1832	97.8203
Dextromethorphan	Dextromethorphan-D3	7.327	65094	30125	2.1608	104.1575
Diphenhydramine	Diphenhydramine-D3	7.331	430080	233846	1.8392	93.7950
Promethazine	Promethazine-D3	7.485	399178	229227	1.7414	98.9865

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

a qc 100

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.522	106770	14777	7.2256	97.3352
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.579	35589	16754	2.1242	91.6750
Carisoprodol	Carisoprodol-D7	7.611	376711	212433	1.7733	93.6539
Lorazepam	Alprazolam-D5	7.621	37136	134459	0.2762	96.6278
Alprazolam	Alprazolam-D5	7.644	351300	134459	2.6127	96.3695



ISP FORENSICS - Cd'A Instrument # 62340

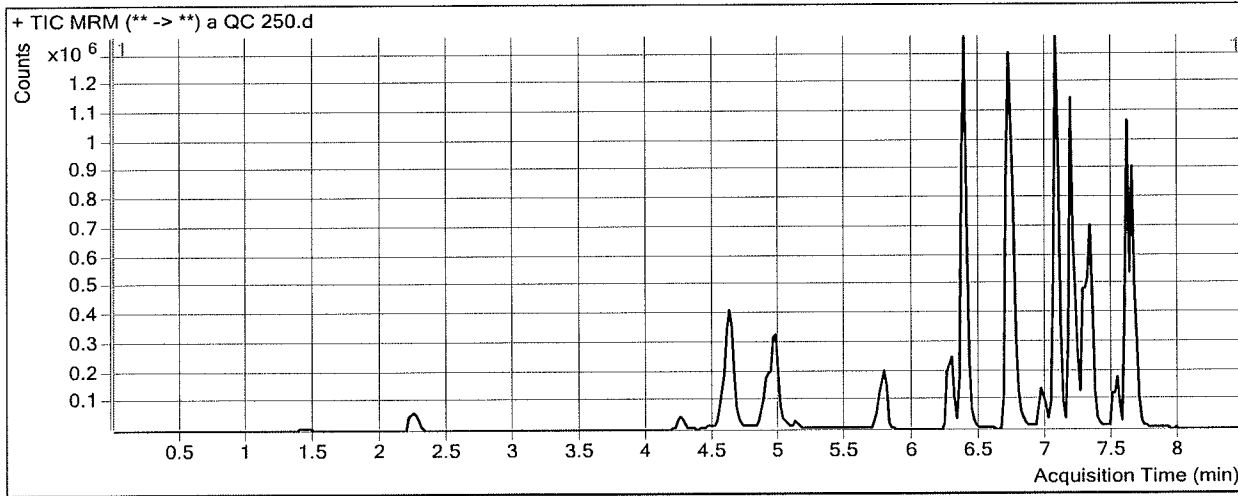
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p1a.batch.bin		
Analysis Time	9/17/2017 9:37 AM	Analyst Name	ISP Tox
Report Time	9/17/2017 9:46 AM	Reporter Name	ISP Tox
Last Calib Update	9/17/2017 9:37 AM	Batch State	Processed

Analysis Info

Acq Time	2017-09-15 04:04	Data File	a QC 250.d
Sample Type	QC	Sample Name	a QC 250
Dilution	1	Acq Method	Quant Panel 1a 8-8-17.m
Position	P1-C2	Sample Info	
Inj Vol	-1	Comment	AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.428	46884	1882	24.9180	220.2272
Hydromorphone	Hydromorphone-D6	2.249	186324	20777	8.9678	208.4946
Codeine	Codeine-D6	4.257	97789	15522	6.2999	234.1851
Amphetamine	Amphetamine-D11	4.623	813418	44371	18.3323	248.9295
Oxycodone	Oxycodone-D6	4.629	567342	85776	6.6142	243.0689
Hydrocodone	Hydrocodone-D6	4.913	351894	74479	4.7247	259.5364
Methamphetamine	Methamphetamine-D11	4.981	885022	136142	6.5007	252.5873
Norhydrocodone	Norhydrocodone-D3	4.958	23265	23774	0.9786	223.5575
6-MAM	6-MAM-D6	5.127	16604	24776	0.6702	26.0811
Phentermine	Phentermine-D5	5.783	235546	152925	1.5403	261.9434
Dextroprphan	Dextroprphan-D3	6.281	263208	85012	3.0961	246.9921
Tramadol	Tramadol-13C-D3	6.379	2825232	581189	4.8611	250.8604
7-aminoclonazepam	7-Aminoclonazepam-D4	6.351	411101	72544	5.6669	263.7074
Doxylamine	Doxylamine-D5	6.722	2337168	484096	4.8279	266.8613
Bupropion	Bupropion-D9	6.970	209586	45192	4.6377	233.8218
Meprobamate	Meprobamate-D7	7.052	217622	49157	4.4271	274.7642
Zolpidem	Zolpidem-D6	7.061	2370986	471161	5.0322	252.2686
Venlafaxine	Venlafaxine-D6	7.184	2056912	382030	5.3842	246.3077
Trazodone	Trazodone-D6	7.275	783869	131752	5.9496	239.4427
Citalopram	Citalopram-D6	7.296	493187	89314	5.5219	246.3084
Dextromethorphan	Dextromethorphan-D3	7.327	78327	11611	6.7459	324.1101
Diphenhydramine	Diphenhydramine-D3	7.331	699567	144929	4.8270	245.0267
Promethazine	Promethazine-D3	7.485	201573	43805	4.6016	260.3491

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

a qc 250

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.522	229346	10583	21.6713	292.9634
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.579	89688	15925	5.6319	241.1547
Carisoprodol	Carisoprodol-D7	7.611	961256	215749	4.4554	234.4312
Lorazepam	Alprazolam-D5	7.621	83797	127214	0.6587	230.1299
Alprazolam	Alprazolam-D5	7.644	838224	127214	6.5891	242.1988



ISP FORENSICS - Cd'A Instrument # 62340

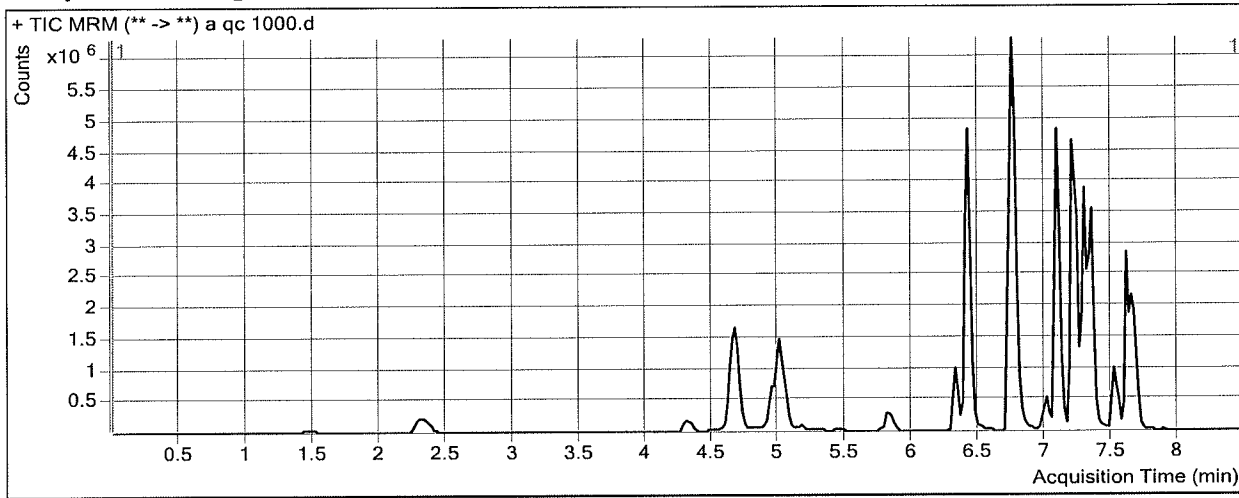
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p1a.batch.bin
Analysis Time 9/17/2017 9:37 AM **Analyst Name** ISP Tox
Report Time 9/17/2017 9:46 AM **Reporter Name** ISP Tox
Last Calib Update 9/17/2017 9:37 AM **Batch State** Processed

Analysis Info

Acq Time 2017-09-15 06:48 **Data File** a qc 1000.d
Sample Type QC **Sample Name** a qc 1000
Dilution 1 **Acq Method** Quant Panel 1a 8-8-17.m
Position P1-D2 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.468	197062	1700	115.9009	1021.7841
Hydromorphone	Hydromorphone-D6	2.329	825887	27712	29.8022	* 694.0288 *
Codeine	Codeine-D6	4.316	404724	14267	28.3673	1049.9907
Amphetamine	Amphetamine-D11	4.663	3496625	61032	57.2915	* 794.4222 *
Oxycodone	Oxycodone-D6	4.669	2573183	101272	25.4086	931.2613
Hydrocodone	Hydrocodone-D6	4.954	1343759	82638	16.2609	894.0715
Methamphetamine	Methamphetamine-D11	5.021	3968820	172122	23.0582	901.7977
Norhydrocodone	Norhydrocodone-D3	5.019	92620	18536	4.9967	1118.9611
6-MAM	6-MAM-D6	5.168	75217	27882	2.6977	105.0984
Phentermine	Phentermine-D5	5.823	1010003	193527	5.2189	888.4217
Dextroprphan	Dextroprphan-D3	6.323	1185274	93017	12.7425	1014.6808
Tramadol	Tramadol-13C-D3	6.419	12292053	634898	19.3607	998.2902
7-aminoclonazepam	7-Aminoclonazepam-D4	6.391	1337216	67582	19.7867	923.1360
Doxylamine	Doxylamine-D5	6.744	12026706	634985	18.9401	1047.6201
Bupropion	Bupropion-D9	7.010	1026085	50090	20.4850	1030.3825
Meprobamate	Meprobamate-D7	7.092	767914	37836	20.2957	1262.8237
Zolpidem	Zolpidem-D6	7.081	9336589	491489	18.9965	952.9753
Venlafaxine	Venlafaxine-D6	7.204	9583016	469481	20.4119	934.0515
Trazodone	Trazodone-D6	7.275	5037486	244011	20.6445	828.6229
Citalopram	Citalopram-D6	7.317	2702873	120140	22.4977	1001.3068
Dextromethorphan	Dextromethorphan-D3	7.327	536737	23751	22.5982	1084.5589
Diphenhydramine	Diphenhydramine-D3	7.351	4038045	210756	19.1598	970.5053
Promethazine	Promethazine-D3	7.505	1861532	105460	17.6516	996.5693

* Curves don't include this value

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

a ac 1000

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.542	759374	9666	78.5608	1063.3795
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.599	337451	14191	23.7788	1014.4653
Carisoprodol	Carisoprodol-D7	7.611	2839137	141355	20.0852	1054.7992
Lorazepam	Alprazolam-D5	7.641	314900	93986	3.3505	* 1169.5649 *
Alprazolam	Alprazolam-D5	7.665	2548089	93986	27.1113	994.8292



ISP FORENSICS - Cd'A Instrument # 62340

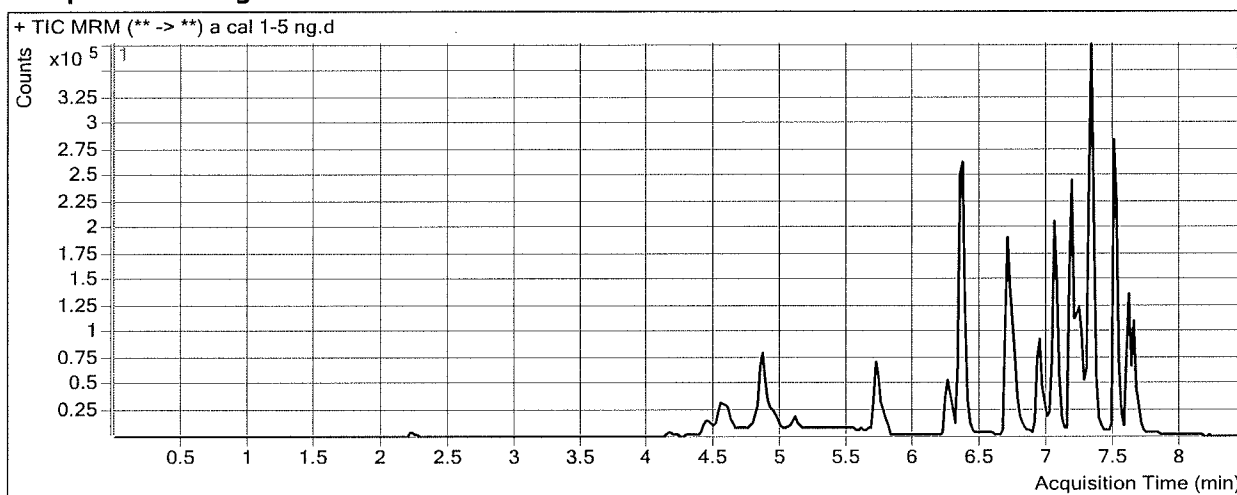
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p1a.batch.bin
Analysis Time 9/17/2017 9:37 AM **Analyst Name** ISP Tox
Report Time 9/17/2017 9:46 AM **Reporter Name** ISP Tox
Last Calib Update 9/17/2017 9:37 AM **Batch State** Processed

Analysis Info

Acq Time 2017-09-14 15:24 **Data File** a cal 1-5 ng.d
Sample Type Calibration **Sample Name** a cal 1-5ng
Dilution 1 **Acq Method** Quant Panel 1a 8-8-17.m
Position P1-A1 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.388	960	1855	0.5175	5.2591
Hydromorphone	Hydromorphone-D6	2.209	2738	11032	0.2482	5.2903
Codeine	Codeine-D6	4.237	2041	17275	0.1181	5.6516
Amphetamine	Amphetamine-D11	4.581	39965	59803	0.6683	1.6043
Oxycodone	Oxycodone-D6	4.609	10200	89573	0.1139	5.0453
Hydrocodone	Hydrocodone-D6	4.893	6721	79389	0.0847	4.3130
Methamphetamine	Methamphetamine-D11	4.961	35357	183304	0.1929	5.2598
Norhydrocodone	Norhydrocodone-D3	4.938	672	30120	0.0223	10.4527
6-MAM	6-MAM-D6	5.107	426	30487	0.0140	0.5062
Phentermine	Phentermine-D5	5.763	5999	199124	0.0301	4.7635
Dextroprphan	Dextroprphan-D3	6.261	7298	129775	0.0562	5.0662
Tramadol	Tramadol-13C-D3	6.359	66829	713503	0.0937	5.1049
7-aminoclonazepam	7-Aminoclonazepam-D4	6.331	8638	85695	0.1008	3.7552
Doxylamine	Doxylamine-D5	6.722	50832	596913	0.0852	4.4691
Bupropion	Bupropion-D9	6.949	20957	240037	0.0873	5.1007
Meprobamate	Meprobamate-D7	7.052	3973	44174	0.0899	4.7082
Zolpidem	Zolpidem-D6	7.061	45706	506691	0.0902	4.2864
Venlafaxine	Venlafaxine-D6	7.184	58491	562489	0.1040	4.6613
Trazodone	Trazodone-D6	7.254	29166	286239	0.1019	4.9858
Citalopram	Citalopram-D6	7.296	35270	338213	0.1043	5.3595
Dextromethorphan	Dextromethorphan-D3	7.327	7863	79332	0.0991	5.2593
Diphenhydramine	Diphenhydramine-D3	7.331	45174	538566	0.0839	4.9487
Promethazine	Promethazine-D3	7.485	47480	636917	0.0745	4.9495

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

a cal 1-

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.522	6299	16233	0.3880	4.7378
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.579	2004	19075	0.1050	5.6313
Carisoprodol	Carisoprodol-D7	7.611	19577	237136	0.0826	4.9101
Lorazepam	Alprazolam-D5	7.621	2508	165614	0.0151	5.5246
Alprazolam	Alprazolam-D5	7.644	20354	165614	0.1229	5.0593



ISP FORENSICS - Cd'A Instrument # 62340

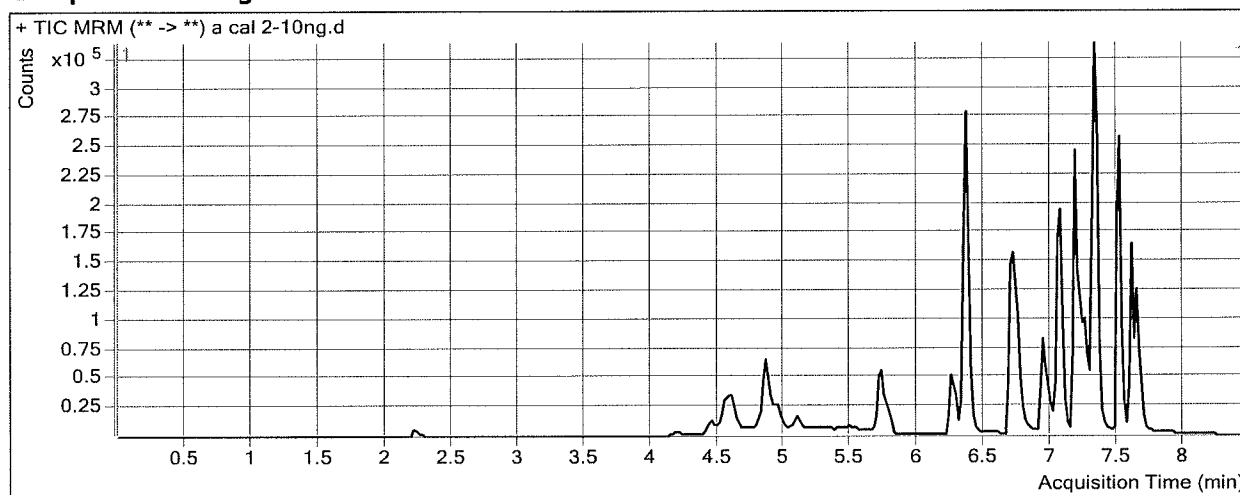
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p1a.batch.bin
Analysis Time 9/17/2017 9:37 AM **Analyst Name** ISP Tox
Report Time 9/17/2017 9:46 AM **Reporter Name** ISP Tox
Last Calib Update 9/17/2017 9:37 AM **Batch State** Processed

Analysis Info

Acq Time 2017-09-14 15:49 **Data File** a cal 2-10ng.d
Sample Type Calibration **Sample Name** a cal 2-10ng
Dilution 1 **Acq Method** Quant Panel 1a 8-8-17.m
Position P1-B1 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.408	1977	1830	1.0809	10.2225
Hydromorphone	Hydromorphone-D6	2.209	5467	13463	0.4061	8.9691
Codeine	Codeine-D6	4.237	3893	15946	0.2441	10.3095
Amphetamine	Amphetamine-D11	4.581	57248	45624	1.2548	9.8162
Oxycodone	Oxycodone-D6	4.609	19588	80106	0.2445	9.8295
Hydrocodone	Hydrocodone-D6	4.893	12040	67659	0.1780	9.4445
Methamphetamine	Methamphetamine-D11	4.961	42870	150906	0.2841	8.8356
Norhydrocodone	Norhydrocodone-D3	4.938	839	25340	0.0331	12.8564
6-MAM	6-MAM-D6	5.107	722	26525	0.0272	1.0234
Phentermine	Phentermine-D5	5.783	10458	164713	0.0635	10.4460
Dextropran	Dextropran-D3	6.261	12498	107281	0.1165	9.8623
Tramadol	Tramadol-13C-D3	6.379	115743	608208	0.1903	10.0864
7-aminoclonazepam	7-Aminoclonazepam-D4	6.351	18353	80717	0.2274	9.6665
Doxylamine	Doxylamine-D5	6.744	86030	488601	0.1761	9.4989
Bupropion	Bupropion-D9	6.970	34635	200925	0.1724	9.3767
Meprobamate	Meprobamate-D7	7.052	7804	46787	0.1668	9.4942
Zolpidem	Zolpidem-D6	7.061	92750	471642	0.1967	9.6277
Venlafaxine	Venlafaxine-D6	7.184	103010	472831	0.2179	9.8726
Trazodone	Trazodone-D6	7.275	55916	242613	0.2305	10.1412
Citalopram	Citalopram-D6	7.296	63359	295518	0.2144	10.2569
Dextromethorphan	Dextromethorphan-D3	7.327	11330	61562	0.1840	9.3332
Diphenhydramine	Diphenhydramine-D3	7.351	86176	452557	0.1904	10.3414
Promethazine	Promethazine-D3	7.505	89741	535023	0.1677	10.2067

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

a cal 2

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.522	11750	15828	0.7424	9.5368
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.599	4088	17799	0.2297	10.9416
Carisoprodol	Carisoprodol-D7	7.611	40320	224189	0.1799	10.0169
Lorazepam	Alprazolam-D5	7.641	3798	158852	0.0239	8.5835
Alprazolam	Alprazolam-D5	7.644	40284	158852	0.2536	9.8524



ISP FORENSICS - Cd'A Instrument # 62340

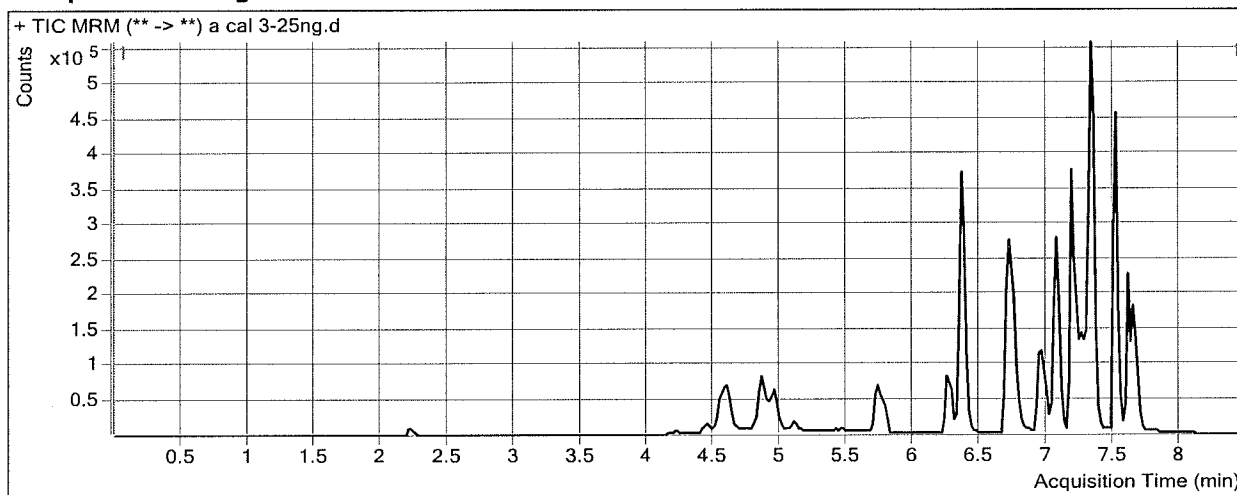
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p1a.batch.bin
Analysis Time 9/17/2017 9:37 AM **Analyst Name** ISP Tox
Report Time 9/17/2017 9:46 AM **Reporter Name** ISP Tox
Last Calib Update 9/17/2017 9:37 AM **Batch State** Processed

Analysis Info

Acq Time 2017-09-14 16:14 **Data File** a cal 3-25ng.d
Sample Type Calibration **Sample Name** a cal 3-25ng
Dilution 1 **Acq Method** Quant Panel 1a 8-8-17.m
Position P1-C1 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.408	5218	1897	2.7502	24.9289
Hydromorphone	Hydromorphone-D6	2.209	13246	12316	1.0755	24.5706
Codeine	Codeine-D6	4.237	10555	16479	0.6405	24.9629
Amphetamine	Amphetamine-D11	4.581	139389	58987	2.3631	25.3341
Oxycodone	Oxycodone-D6	4.609	58045	88288	0.6575	24.9495
Hydrocodone	Hydrocodone-D6	4.893	37870	77883	0.4862	26.4017
Methamphetamine	Methamphetamine-D11	4.961	144657	202334	0.7149	25.7294
Norhydrocodone	Norhydrocodone-D3	4.958	2441	28737	0.0849	24.4076
6-MAM	6-MAM-D6	5.107	1672	28716	0.0582	2.2313
Phentermine	Phentermine-D5	5.783	33843	203055	0.1667	28.0169
Dextroprphan	Dextroprphan-D3	6.261	39072	130775	0.2988	24.3680
Tramadol	Tramadol-13C-D3	6.379	333069	683332	0.4874	25.4023
7-aminoclonazepam	7-Aminoclonazepam-D4	6.351	48745	83026	0.5871	26.4668
Doxylamine	Doxylamine-D5	6.722	271842	553726	0.4909	26.9185
Bupropion	Bupropion-D9	6.970	114564	237517	0.4823	24.9568
Meprobamate	Meprobamate-D7	7.052	18786	47154	0.3984	23.9136
Zolpidem	Zolpidem-D6	7.081	265266	494682	0.5362	26.6675
Venlafaxine	Venlafaxine-D6	7.184	305902	539149	0.5674	25.8684
Trazodone	Trazodone-D6	7.275	180374	311350	0.5793	24.1281
Citalopram	Citalopram-D6	7.296	207110	381845	0.5424	24.8444
Dextromethorphan	Dextromethorphan-D3	7.327	41253	87106	0.4736	23.2233
Diphenhydramine	Diphenhydramine-D3	7.351	274244	579341	0.4734	24.6636
Promethazine	Promethazine-D3	7.505	316788	719446	0.4403	25.5849

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

a cal 3

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.522	33797	16604	2.0355	27.0488
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.599	9659	18860	0.5121	22.9780
Carisoprodol	Carisoprodol-D7	7.611	105044	207868	0.5053	27.1010
Lorazepam	Alprazolam-D5	7.641	11805	162595	0.0726	25.5780
Alprazolam	Alprazolam-D5	7.665	108185	162595	0.6654	24.9535



ISP FORENSICS - Cd'A Instrument # 62340

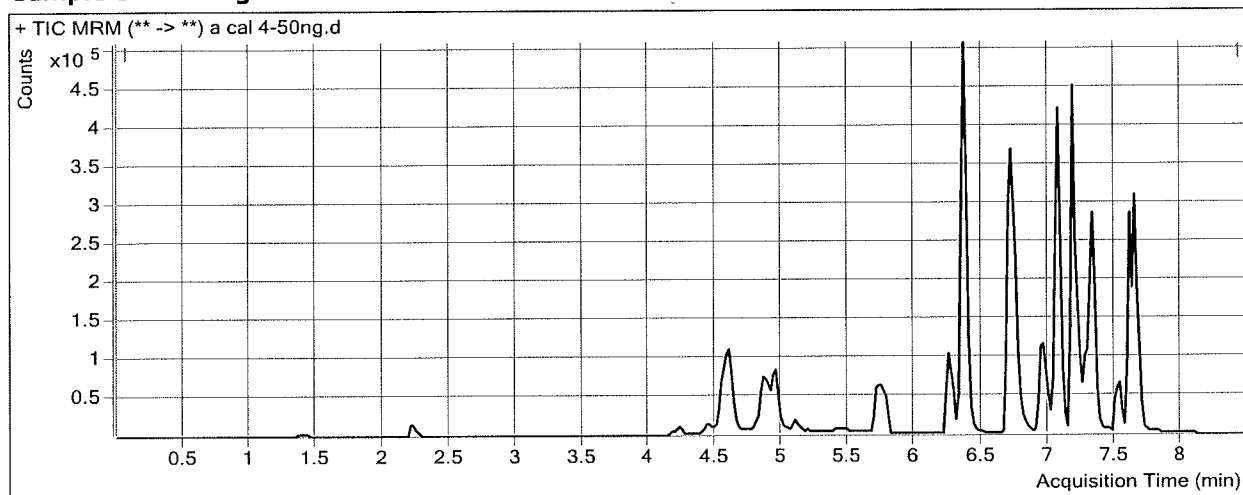
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p1a.batch.bin
Analysis Time 9/17/2017 9:37 AM **Analyst Name** ISP Tox
Report Time 9/17/2017 9:46 AM **Reporter Name** ISP Tox
Last Calib Update 9/17/2017 9:37 AM **Batch State** Processed

Analysis Info

Acq Time 2017-09-14 16:40 **Data File** a cal 4-50ng.d
Sample Type Calibration **Sample Name** a cal 4-50ng
Dilution 1 **Acq Method** Quant Panel 1a 8-8-17.m
Position P1-D1 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.408	9651	1781	5.4181	48.4333
Hydromorphone	Hydromorphone-D6	2.209	26731	12970	2.0610	47.5366
Codeine	Codeine-D6	4.237	21314	17519	1.2166	46.2616
Amphetamine	Amphetamine-D11	4.581	209394	49948	4.1923	50.9460
Oxycodone	Oxycodone-D6	4.609	119480	92256	1.2951	48.2981
Hydrocodone	Hydrocodone-D6	4.893	76640	80317	0.9542	52.1429
Methamphetamine	Methamphetamine-D11	4.961	198291	154372	1.2845	48.0615
Norhydrocodone	Norhydrocodone-D3	4.938	4706	27374	0.1719	43.7880
6-MAM	6-MAM-D6	5.107	3784	30073	0.1258	4.8665
Phentermine	Phentermine-D5	5.763	51967	175138	0.2967	50.1651
Dextroprphan	Dextroprphan-D3	6.261	69136	114111	0.6059	48.8079
Tramadol	Tramadol-13C-D3	6.359	653993	700972	0.9330	48.3703
7-aminoclonazepam	7-Aminoclonazepam-D4	6.351	90376	78391	1.1529	52.8904
Doxylamine	Doxylamine-D5	6.722	484994	537277	0.9027	49.6989
Bupropion	Bupropion-D9	6.970	159731	146501	1.0903	55.5160
Meprobamate	Meprobamate-D7	7.052	41334	49545	0.8343	51.0536
Zolpidem	Zolpidem-D6	7.061	528058	513117	1.0291	51.3995
Venlafaxine	Venlafaxine-D6	7.184	529798	469980	1.1273	51.4921
Trazodone	Trazodone-D6	7.275	146482	119445	1.2264	50.0701
Citalopram	Citalopram-D6	7.296	156180	149662	1.0435	47.1333
Dextromethorphan	Dextromethorphan-D3	7.327	16835	17684	0.9520	46.1726
Diphenhydramine	Diphenhydramine-D3	7.351	181799	198018	0.9181	47.1736
Promethazine	Promethazine-D3	7.505	54055	65081	0.8306	47.6020

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

a cal y

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.522	64688	16295	3.9697	53.2427
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.579	23269	20885	1.1141	48.6323
Carisoprodol	Carisoprodol-D7	7.611	213614	125399	1.7035	89.9880
Lorazepam	Alprazolam-D5	7.641	24539	168339	0.1458	51.1141
Alprazolam	Alprazolam-D5	7.644	219596	168339	1.3045	48.3926



ISP FORENSICS - Cd'A Instrument # 62340

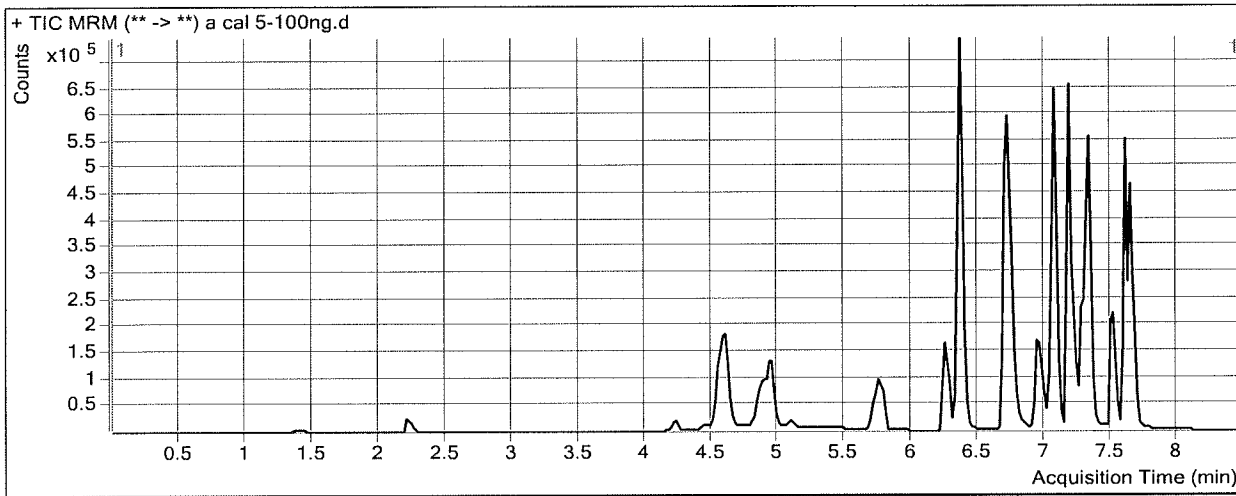
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p1a.batch.bin		
Analysis Time	9/17/2017 9:37 AM	Analyst Name	ISP Tox
Report Time	9/17/2017 9:46 AM	Reporter Name	ISP Tox
Last Calib Update	9/17/2017 9:37 AM	Batch State	Processed

Analysis Info

Acq Time	2017-09-14 17:05	Data File	a cal 5-100ng.d
Sample Type	Calibration	Sample Name	a cal 5-100ng
Dilution	1	Acq Method	Quant Panel 1a 8-8-17.m
Position	P1-E1	Sample Info	
Inj Vol	-1	Comment	AM 28 Panel 1

Sample Chromatogram



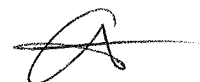
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.388	19433	1810	10.7373	95.2953
Hydromorphone	Hydromorphone-D6	2.209	50945	11921	4.2736	99.0994
Codeine	Codeine-D6	4.237	40856	16111	2.5360	95.0371
Amphetamine	Amphetamine-D11	4.581	360038	41846	8.6038	112.7151
Oxycodone	Oxycodone-D6	4.589	242550	86364	2.8085	103.7135
Hydrocodone	Hydrocodone-D6	4.893	148773	75973	1.9582	107.3671
Methamphetamine	Methamphetamine-D11	4.961	354784	125718	2.8221	108.3483
Norhydrocodone	Norhydrocodone-D3	4.938	9733	24528	0.3968	93.9066
6-MAM	6-MAM-D6	5.107	7457	29330	0.2543	9.8711
Phentermine	Phentermine-D5	5.763	93756	154997	0.6049	102.6459
Dextropropion	Dextropropion-D3	6.261	134323	105517	1.2730	101.8997
Tramadol	Tramadol-13C-D3	6.359	1245052	643743	1.9341	99.9757
7-aminoclonazepam	7-Aminoclonazepam-D4	6.351	186385	76834	2.4258	112.3386
Doxylamine	Doxylamine-D5	6.722	1003569	496685	2.0205	111.5436
Bupropion	Bupropion-D9	6.970	277496	133939	2.0718	104.8509
Meprobamate	Meprobamate-D7	7.052	79279	45115	1.7573	108.5251
Zolpidem	Zolpidem-D6	7.061	1022072	473335	2.1593	108.1102
Venlafaxine	Venlafaxine-D6	7.184	994577	448948	2.2153	101.2875
Trazodone	Trazodone-D6	7.254	351453	134403	2.6149	105.7437
Citalopram	Citalopram-D6	7.296	361007	163989	2.2014	98.6292
Dextromethorphan	Dextromethorphan-D3	7.327	61028	28322	2.1548	103.8708
Diphenhydramine	Diphenhydramine-D3	7.331	461864	228918	2.0176	102.8267
Promethazine	Promethazine-D3	7.505	321122	184404	1.7414	98.9866

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

a cal 5

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.522	111113	15470	7.1824	96.7498
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.579	39514	17426	2.2675	97.7831
Carisoprodol	Carisoprodol-D7	7.611	405640	216901	1.8702	98.7371
Lorazepam	Alprazolam-D5	7.641	43029	147602	0.2915	101.9789
Alprazolam	Alprazolam-D5	7.644	391588	147602	2.6530	97.8475



ISP FORENSICS - Cd'A Instrument # 62340

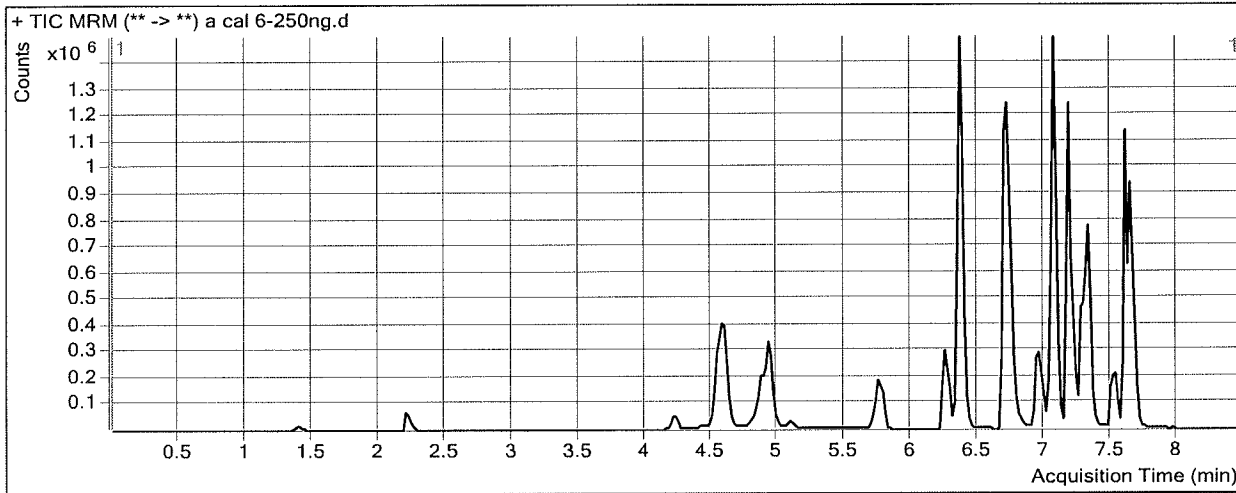
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p1a.batch.bin
Analysis Time 9/17/2017 9:37 AM **Analyst Name** ISP Tox
Report Time 9/17/2017 9:46 AM **Reporter Name** ISP Tox
Last Calib Update 9/17/2017 9:37 AM **Batch State** Processed

Analysis Info

Acq Time 2017-09-14 17:31 **Data File** a cal 6-250ng.d
Sample Type Calibration **Sample Name** a cal 6-250ng
Dilution 1 **Acq Method** Quant Panel 1a 8-8-17.m
Position P1-F1 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.388	55453	1978	28.0290	247.6351
Hydromorphone	Hydromorphone-D6	2.209	134898	11325	11.9119	277.1057
Codeine	Codeine-D6	4.237	110442	17526	6.3017	234.2521
Amphetamine	Amphetamine-D11	4.581	732976	41103	17.8328	241.9362
Oxycodone	Oxycodone-D6	4.589	652189	96257	6.7755	248.9734
Hydrocodone	Hydrocodone-D6	4.873	381151	81026	4.7041	258.4001
Methamphetamine	Methamphetamine-D11	4.941	851087	131571	6.4686	251.3292
Norhydrocodone	Norhydrocodone-D3	4.938	23973	23852	1.0051	229.4576
6-MAM	6-MAM-D6	5.087	19692	31029	0.6346	24.6950
Phentermine	Phentermine-D5	5.763	219056	147308	1.4871	252.8817
Dextrophan	Dextrophan-D3	6.261	302123	97546	3.0972	247.0780
Tramadol	Tramadol-13C-D3	6.359	3077124	651774	4.7212	243.6449
7-aminoclonazepam	7-Aminoclonazepam-D4	6.331	469913	82303	5.7095	265.6975
Doxylamine	Doxylamine-D5	6.722	2259755	518116	4.3615	241.0568
Bupropion	Bupropion-D9	6.970	536463	116370	4.6100	232.4306
Meprobamate	Meprobamate-D7	7.052	207522	48787	4.2536	263.9602
Zolpidem	Zolpidem-D6	7.061	2672092	521291	5.1259	256.9700
Venlafaxine	Venlafaxine-D6	7.184	2294155	413408	5.5494	253.8686
Trazodone	Trazodone-D6	7.254	750944	123072	6.1017	245.5420
Citalopram	Citalopram-D6	7.296	620333	114140	5.4349	242.4365
Dextromethorphan	Dextromethorphan-D3	7.327	88651	16311	5.4350	261.2262
Diphenhydramine	Diphenhydramine-D3	7.331	780316	157910	4.9415	250.8253
Promethazine	Promethazine-D3	7.505	332703	74699	4.4539	252.0140

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

acal 6

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.522	258534	14737	17.5428	237.0532
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.579	97668	18216	5.3618	229.6435
Carisoprodol	Carisoprodol-D7	7.611	976831	187729	5.2034	273.6911
Lorazepam	Alprazolam-D5	7.641	96996	138834	0.6986	244.0679
Alprazolam	Alprazolam-D5	7.644	929138	138834	6.6924	245.9894



ISP FORENSICS - Cd'A Instrument # 62340

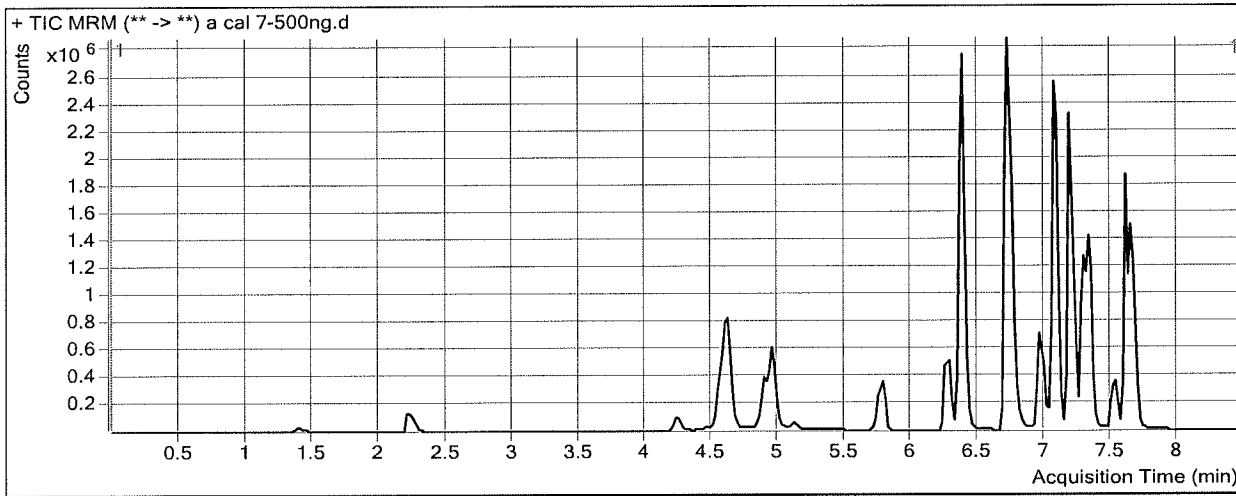
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p1a.batch.bin
Analysis Time 9/17/2017 9:37 AM **Analyst Name** ISP Tox
Report Time 9/17/2017 9:46 AM **Reporter Name** ISP Tox
Last Calib Update 9/17/2017 9:37 AM **Batch State** Processed

Analysis Info

Acq Time 2017-09-14 17:56 **Data File** a cal 7-500ng.d
Sample Type Calibration **Sample Name** a cal 7-500ng
Dilution 1 **Acq Method** Quant Panel 1a 8-8-17.m
Position P1-G1 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.408	112698	1956	57.6266	508.3885
Hydromorphone	Hydromorphone-D6	2.229	358519	16495	21.7348	506.0234
Codeine	Codeine-D6	4.257	224777	16527	13.6003	504.0735
Amphetamine	Amphetamine-D11	4.603	1592038	49170	32.3785	445.5989
Oxycodone	Oxycodone-D6	4.609	1391052	100792	13.8011	506.2322
Hydrocodone	Hydrocodone-D6	4.893	777963	84707	9.1841	504.8209
Methamphetamine	Methamphetamine-D11	4.961	1570815	120241	13.0639	509.9268
Norhydrocodone	Norhydrocodone-D3	4.958	48057	22818	2.1061	474.8213
6-MAM	6-MAM-D6	5.107	44107	32667	1.3502	52.5823
Phentermine	Phentermine-D5	5.783	437808	155716	2.8116	478.4462
Dextropropion	Dextropropion-D3	6.261	618205	95446	6.4770	516.0530
Tramadol	Tramadol-13C-D3	6.379	6413959	654904	9.7937	505.1287
7-aminoclonazepam	7-Aminoclonazepam-D4	6.351	870045	79452	10.9505	510.4651
Doxylamine	Doxylamine-D5	6.722	5155600	560004	9.2064	509.0993
Bupropion	Bupropion-D9	6.970	1147936	127010	9.0382	455.0119
Meprobamate	Meprobamate-D7	7.052	403817	49034	8.2355	511.8908
Zolpidem	Zolpidem-D6	7.061	5056629	514060	9.8367	493.3472
Venlafaxine	Venlafaxine-D6	7.184	4690378	433896	10.8099	494.6160
Trazodone	Trazodone-D6	7.275	1937255	150205	12.8974	518.0109
Citalopram	Citalopram-D6	7.296	1259888	112848	11.1644	497.2596
Dextromethorphan	Dextromethorphan-D3	7.327	160240	15044	10.6514	511.4589
Diphenhydramine	Diphenhydramine-D3	7.351	1628676	165712	9.8284	498.1814
Promethazine	Promethazine-D3	7.505	542004	59431	9.1199	515.2491

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

a cal 7

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.522	473615	12214	38.7765	524.6074
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.599	197752	18089	10.9321	467.0155
Carisoprodol	Carisoprodol-D7	7.611	1639774	179185	9.1513	480.9058
Lorazepam	Alprazolam-D5	7.641	185541	119557	1.5519	541.8553
Alprazolam	Alprazolam-D5	7.665	1672667	119557	13.9905	513.6391



ISP FORENSICS - Cd'A Instrument # 62340

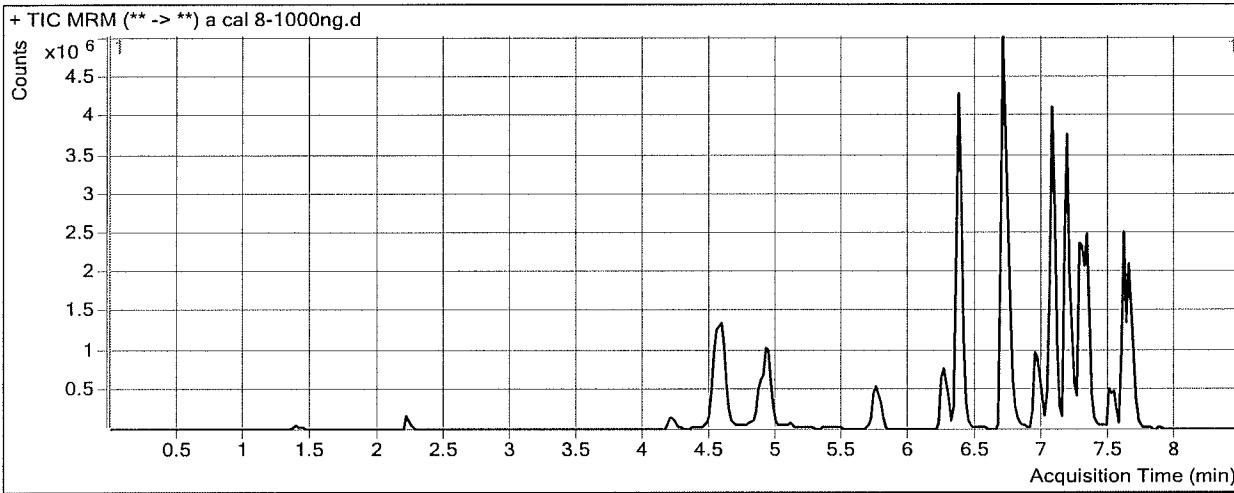
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p1a.batch.bin		
Analysis Time	9/17/2017 9:37 AM	Analyst Name	ISP Tox
Report Time	9/17/2017 9:46 AM	Reporter Name	ISP Tox
Last Calib Update	9/17/2017 9:37 AM	Batch State	Processed

Analysis Info

Acq Time	2017-09-14 18:22	Data File	a cal 8-1000ng.d
Sample Type	Calibration	Sample Name	a cal 8-1000ng
Dilution	1	Acq Method	Quant Panel 1a 8-8-17.m
Position	P1-H1	Sample Info	
Inj Vol	-1	Comment	AM 28 Panel 1

Sample Chromatogram



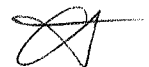
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.388	181756	1603	113.4098	999.8373
Hydromorphone	Hydromorphone-D6	2.209	288314	5168	55.7834	1299.5058
Codeine	Codeine-D6	4.217	345991	12563	27.5412	1019.4518
Amphetamine	Amphetamine-D11	4.561	2754211	47917	57.4788	797.0452
Oxycodone	Oxycodone-D6	4.571	2340806	85349	27.4264	1005.1479
Hydrocodone	Hydrocodone-D6	4.873	1257296	70752	17.7706	977.1098
Methamphetamine	Methamphetamine-D11	4.941	2957922	119847	24.6809	965.4238
Norhydrocodone	Norhydrocodone-D3	4.918	75882	16100	4.7131	1055.7626
6-MAM	6-MAM-D6	5.087	73102	26574	2.7509	107.1711
Phentermine	Phentermine-D5	5.763	753595	145143	5.1921	883.8505
Dextropropofol	Dextropropofol-D3	6.261	962866	75895	12.6867	1010.2430
Tramadol	Tramadol-13C-D3	6.359	10730859	552050	19.4382	1002.2868
7-aminoclonazepam	7-Aminoclonazepam-D4	6.331	1263700	61498	20.5486	958.7199
Doxylamine	Doxylamine-D5	6.702	8610610	482189	17.8573	987.7149
Bupropion	Bupropion-D9	6.970	1917214	92250	20.7828	1045.3488
Meprobamate	Meprobamate-D7	7.052	604835	38931	15.5359	966.4544
Zolpidem	Zolpidem-D6	7.061	8534318	432637	19.7263	989.5916
Venlafaxine	Venlafaxine-D6	7.184	8461163	387832	21.8166	998.3337
Trazodone	Trazodone-D6	7.254	3835595	162621	23.5861	946.5625
Citalopram	Citalopram-D6	7.296	2057720	90248	22.8007	1014.7799
Dextromethorphan	Dextromethorphan-D3	7.327	306784	13944	22.0008	1055.9006
Diphenhydramine	Diphenhydramine-D3	7.331	2807778	139680	20.1015	1018.1737
Promethazine	Promethazine-D3	7.485	963325	55184	17.4567	985.5791

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

a cal 8

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.522	650098	8915	72.9225	987.0234
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.579	319448	12888	24.7858	1057.3747
Carisoprodol	Carisoprodol-D7	7.611	2135097	126240	16.9130	888.2993
Lorazepam	Alprazolam-D5	7.621	301590	80205	3.7602	1312.5629
Alprazolam	Alprazolam-D5	7.644	2289005	80205	28.5394	1047.2017

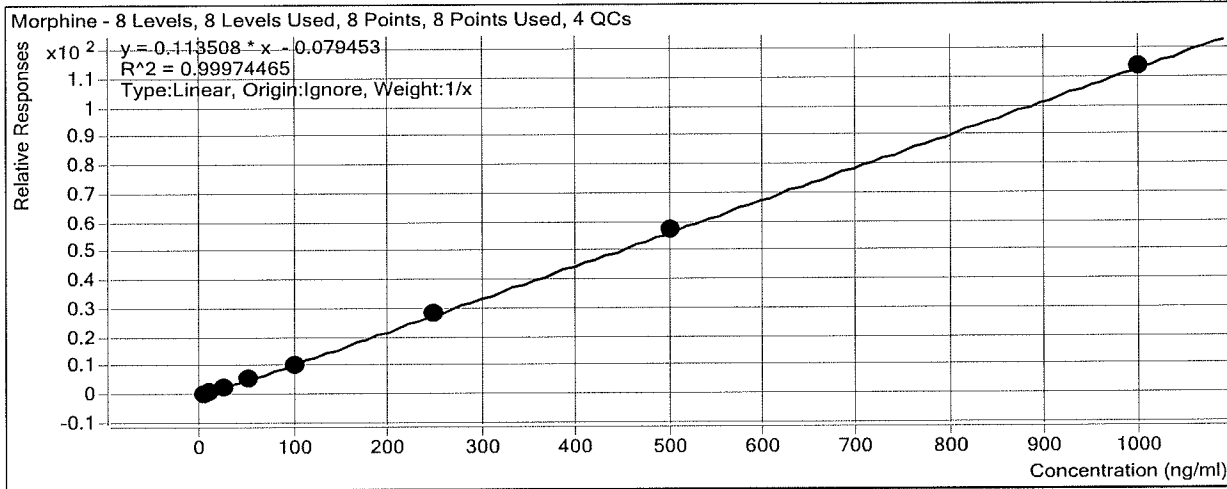


ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p1a.batch.bin

Last Calib Update 9/17/2017 9:37 AM **Analyst Name** ISP TOX

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



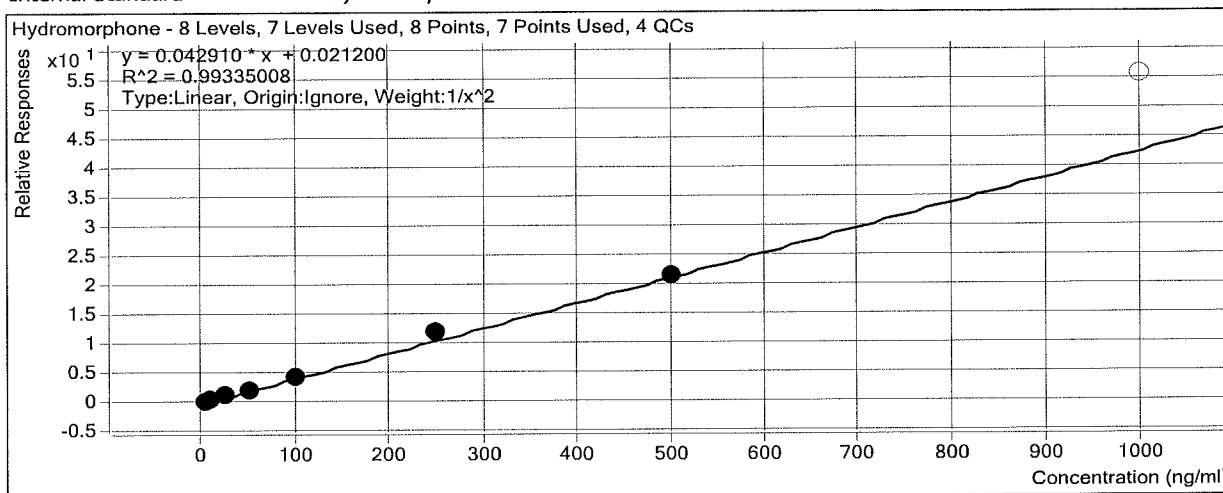
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a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.2	102.2
a QC 10	2	<input checked="" type="checkbox"/>	10	10.0	100.4
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.9	99.7
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.4	96.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	95.3	95.3
a qc 100	5	<input checked="" type="checkbox"/>	100	97.2	97.2
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	247.6	99.1
a QC 250	6	<input checked="" type="checkbox"/>	250	220.2	88.1
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	508.4	101.7
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	999.8	100.0
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1021.8	102.2

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p1a.batch.bin

Last Calib Update 9/17/2017 9:37 AM **Analyst Name** ISP TOX

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



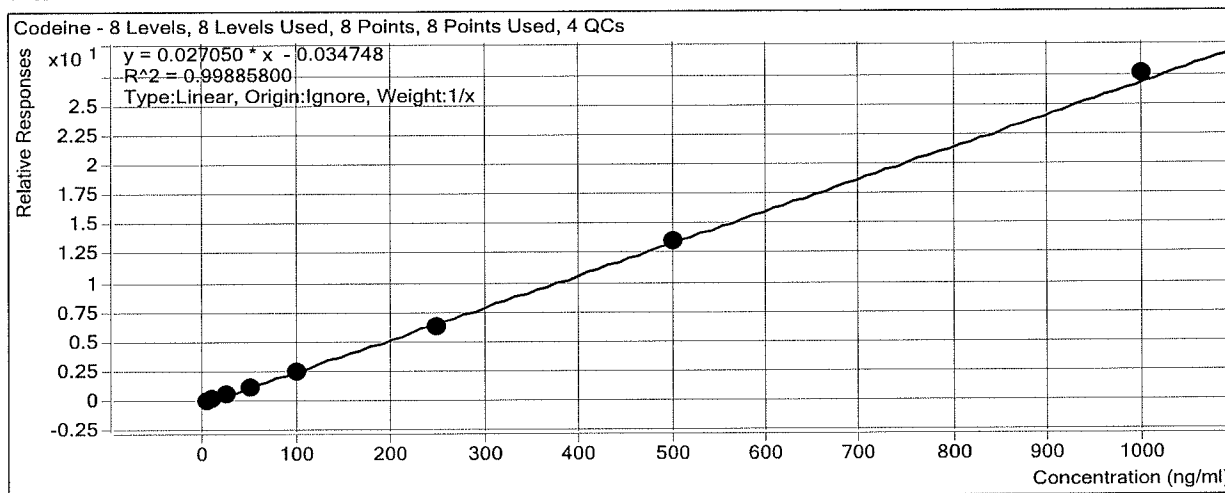
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.3	105.8
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.0	89.7
a QC 10	2	<input checked="" type="checkbox"/>	10	10.6	106.3
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.6	98.3
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.5	95.1
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.1	99.1
a qc 100	5	<input checked="" type="checkbox"/>	100	98.3	98.3
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	277.1	110.8
a QC 250	6	<input checked="" type="checkbox"/>	250	208.5	83.4
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	506.0	101.2
a cal 8-1000ng	8	<input type="checkbox"/>	1000	1299.5	130.0
a qc 1000	8	<input type="checkbox"/>	1000	694.0	69.4

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p1a.batch.bin

Last Calib Update 9/17/2017 9:37 AM **Analyst Name** ISP TOX

Target Compound Codeine
Internal Standard Codeine-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.7	113.0
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.3	103.1
a QC 10	2	<input checked="" type="checkbox"/>	10	9.8	98.2
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.0	99.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.3	92.5
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	95.0	95.0
a qc 100	5	<input checked="" type="checkbox"/>	100	92.0	92.0
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	234.3	93.7
a QC 250	6	<input checked="" type="checkbox"/>	250	234.2	93.7
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	504.1	100.8
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1019.5	101.9
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1050.0	105.0

ISP Forensics Calibration Curve Report

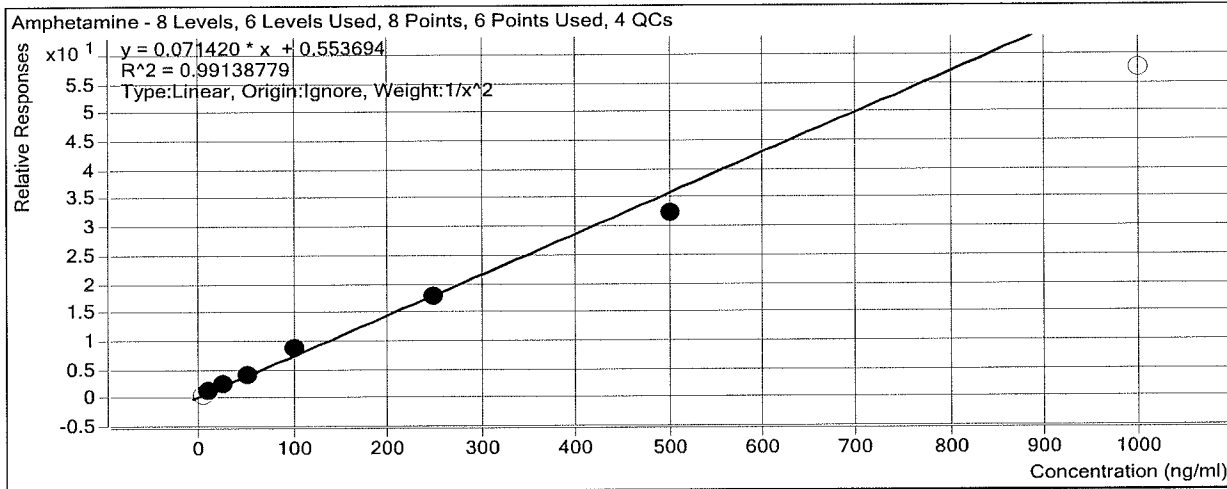
Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p1a.batch.bin

Last Calib Update 9/17/2017 9:37 AM

Analyst Name ISP TOX

Target Compound Amphetamine

Internal Standard Amphetamine-D11



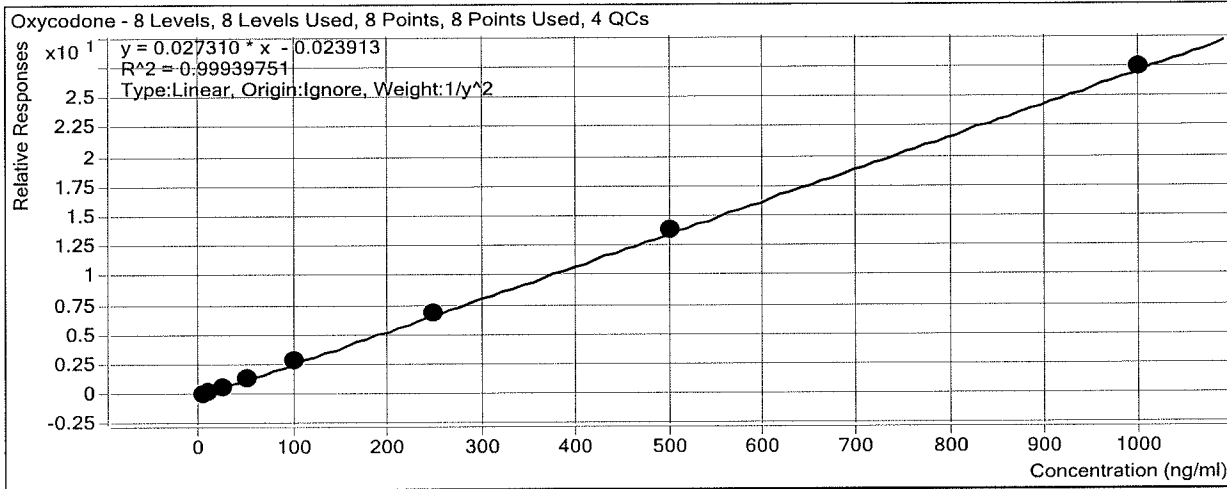
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
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a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	98.2
a QC 10	2	<input checked="" type="checkbox"/>	10	7.6	76.3
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.3	101.3
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.9	101.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	112.7	112.7
a qc 100	5	<input checked="" type="checkbox"/>	100	106.5	106.5
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	241.9	96.8
a QC 250	6	<input checked="" type="checkbox"/>	250	248.9	99.6
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	445.6	89.1
a cal 8-1000ng	8	<input type="checkbox"/>	1000	797.0	79.7
a qc 1000	8	<input type="checkbox"/>	1000	794.4	79.4

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p1a.batch.bin

Last Calib Update 9/17/2017 9:37 AM **Analyst Name** ISP TOX

Target Compound Oxycodone
Internal Standard Oxycodone-D6



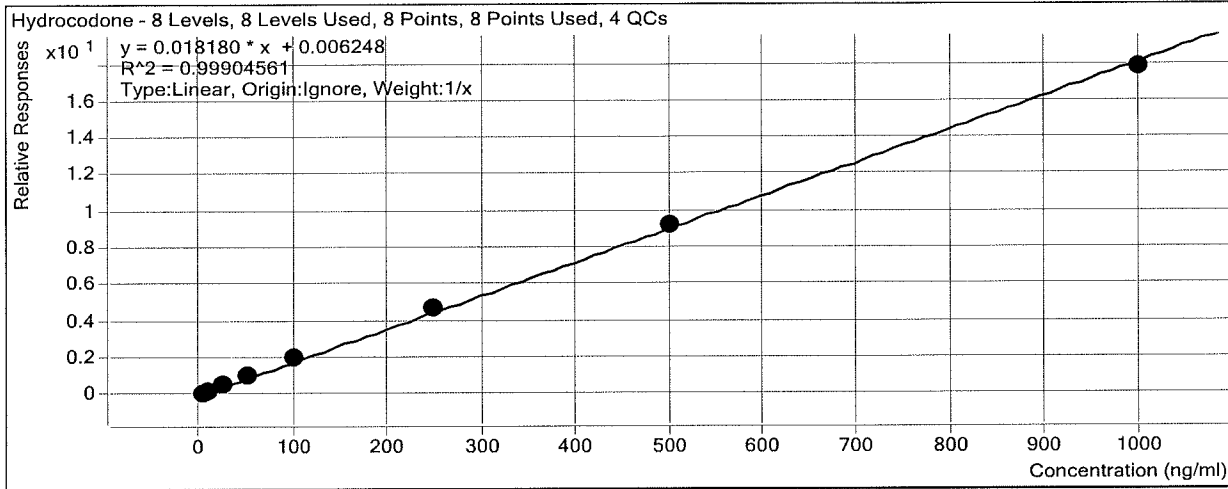
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.9
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	98.3
a QC 10	2	<input checked="" type="checkbox"/>	10	9.9	99.3
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.9	99.8
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.3	96.6
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.7	103.7
a qc 100	5	<input checked="" type="checkbox"/>	100	97.9	97.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	249.0	99.6
a QC 250	6	<input checked="" type="checkbox"/>	250	243.1	97.2
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	506.2	101.2
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1005.1	100.5
a qc 1000	8	<input checked="" type="checkbox"/>	1000	931.3	93.1

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p1a.batch.bin

Last Calib Update 9/17/2017 9:37 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.3	86.3
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.4	94.4
a QC 10	2	<input checked="" type="checkbox"/>	10	9.6	96.3
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.4	105.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.1	104.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	107.4	107.4
a qc 100	5	<input checked="" type="checkbox"/>	100	105.8	105.8
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	258.4	103.4
a QC 250	6	<input checked="" type="checkbox"/>	250	259.5	103.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	504.8	101.0
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	977.1	97.7
a qc 1000	8	<input checked="" type="checkbox"/>	1000	894.1	89.4

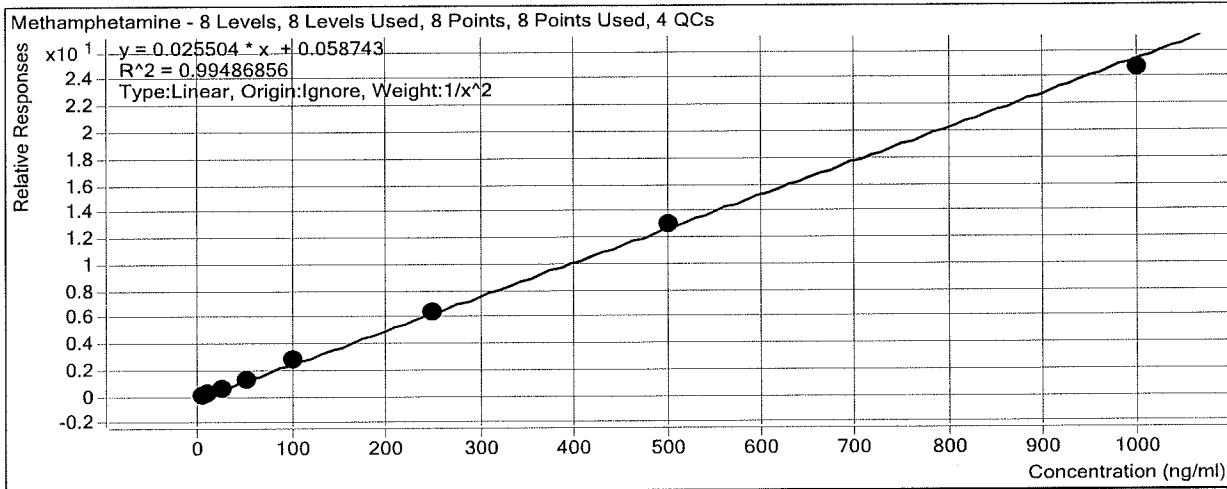
ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p1a.batch.bin

Last Calib Update 9/17/2017 9:37 AM **Analyst Name** ISP TOX

Target Compound *Methamphetamine*

Internal Standard *Methamphetamine-D11*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.3	105.2
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	8.8	88.4
a QC 10	2	<input checked="" type="checkbox"/>	10	9.7	97.4
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.7	102.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.1	96.1
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	108.3	108.3
a qc 100	5	<input checked="" type="checkbox"/>	100	101.4	101.4
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	251.3	100.5
a QC 250	6	<input checked="" type="checkbox"/>	250	252.6	101.0
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	509.9	102.0
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	965.4	96.5
a qc 1000	8	<input checked="" type="checkbox"/>	1000	901.8	90.2

ISP Forensics Calibration Curve Report

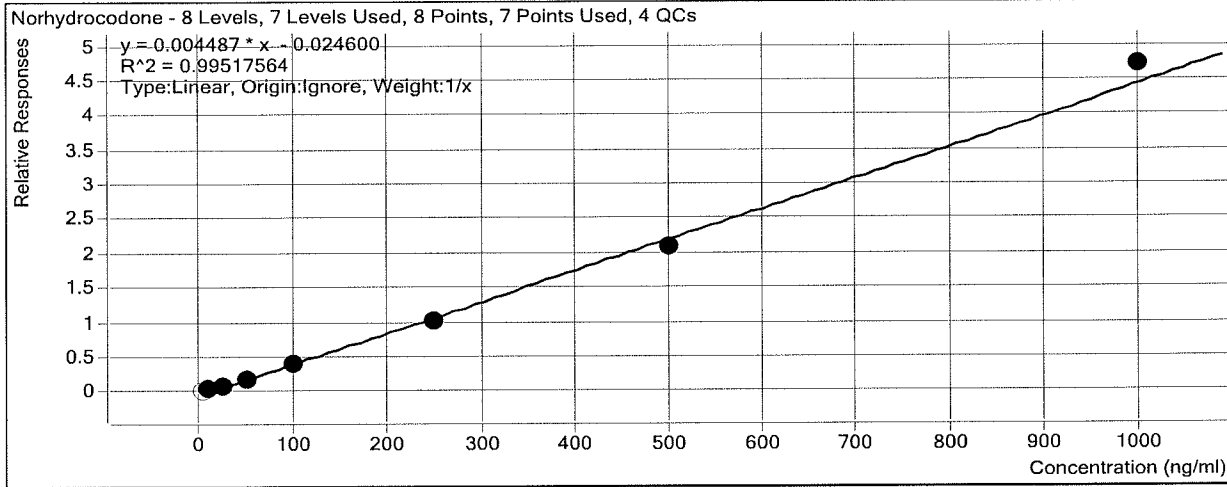
Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p1a.batch.bin

Last Calib Update 9/17/2017 9:37 AM

Analyst Name ISP TOX

Target Compound *Norhydrocodone*

Internal Standard *Norhydrocodone-D3*



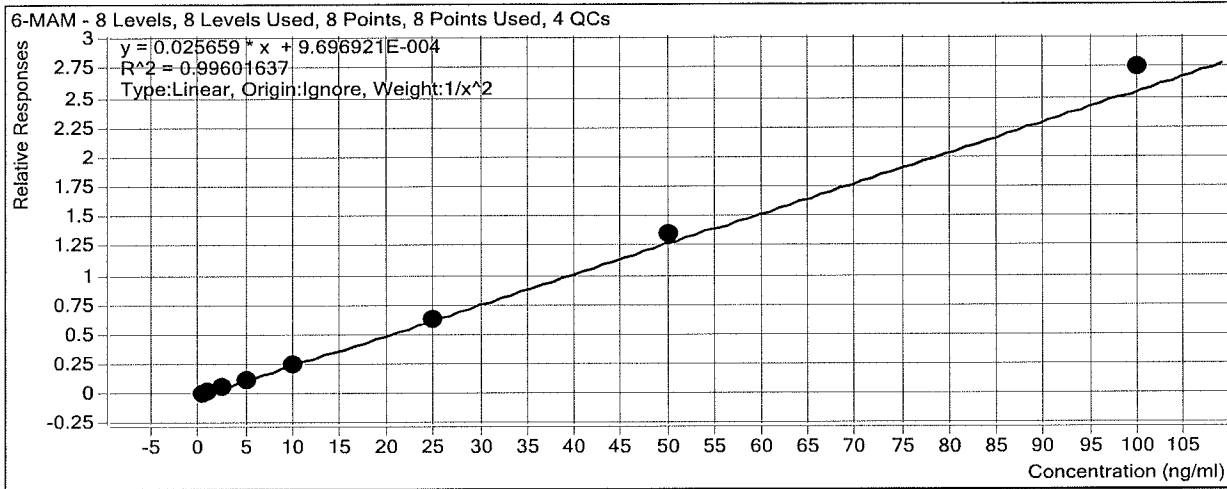
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input type="checkbox"/>	5	10.5	209.1
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	12.9	128.6
a QC 10	2	<input checked="" type="checkbox"/>	10	13.1	130.7
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.4	97.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	43.8	87.6
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	93.9	93.9
a qc 100	5	<input checked="" type="checkbox"/>	100	85.6	85.6
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	229.5	91.8
a QC 250	6	<input checked="" type="checkbox"/>	250	223.6	89.4
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	474.8	95.0
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1055.8	105.6
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1119.0	111.9

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p1a.batch.bin

Last Calib Update 9/17/2017 9:37 AM **Analyst Name** ISP TOX

Target Compound 6-MAM
Internal Standard 6-MAM-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	0.5	0.5	101.2
a cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.0	102.3
a QC 10	2	<input checked="" type="checkbox"/>	1	0.9	93.8
a cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.2	89.3
a cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.9	97.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.9	98.7
a qc 100	5	<input checked="" type="checkbox"/>	10	10.4	103.7
a cal 6-250ng	6	<input checked="" type="checkbox"/>	25	24.7	98.8
a QC 250	6	<input checked="" type="checkbox"/>	25	26.1	104.3
a cal 7-500ng	7	<input checked="" type="checkbox"/>	50	52.6	105.2
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	107.2	107.2
a qc 1000	8	<input checked="" type="checkbox"/>	100	105.1	105.1

ISP Forensics Calibration Curve Report

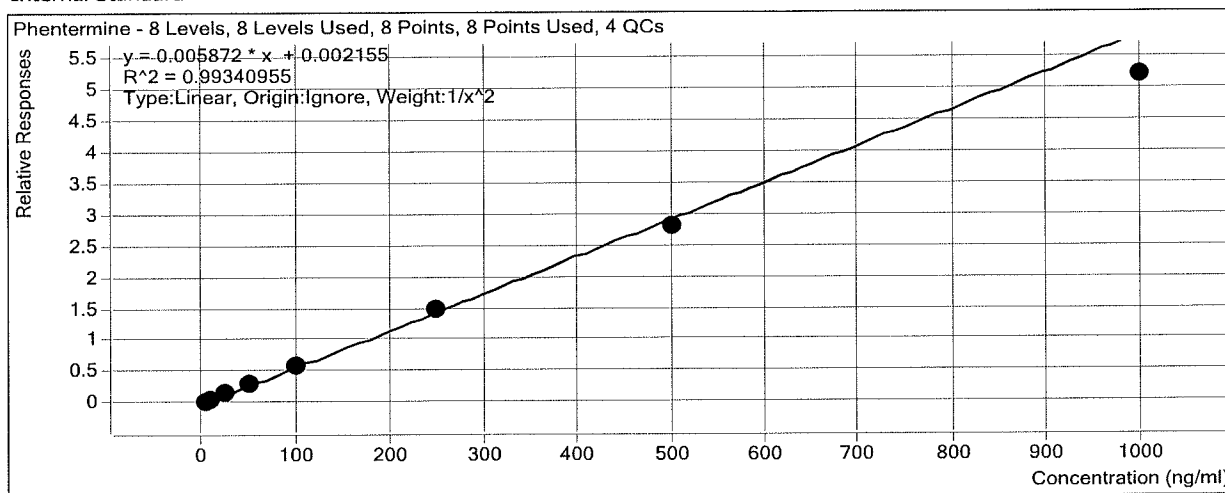
Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p1a.batch.bin

Last Calib Update 9/17/2017 9:37 AM

Analyst Name ISP TOX

Target Compound Phentermine

Internal Standard Phentermine-D5



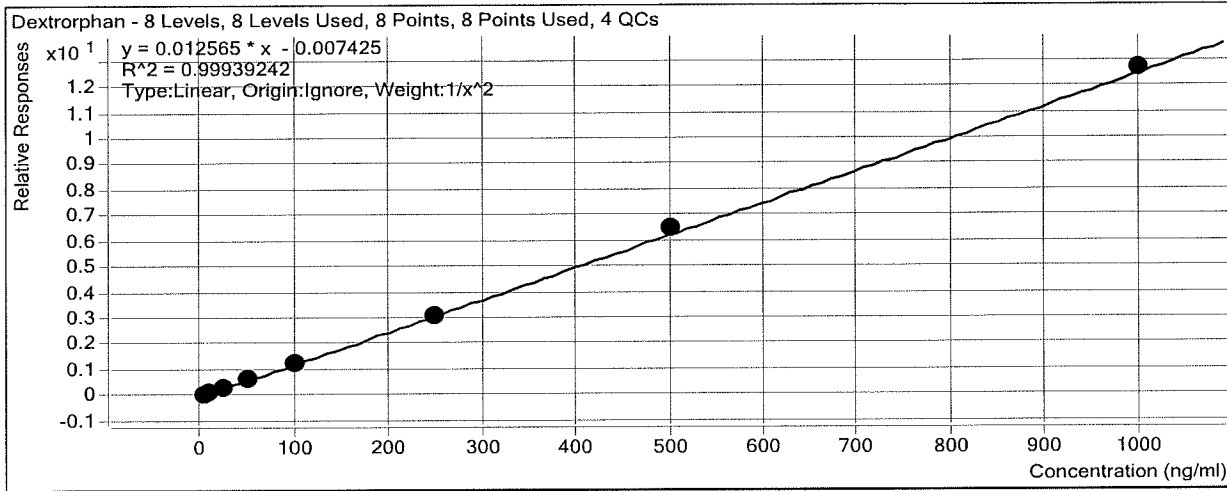
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.8	95.3
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.4	104.5
a QC 10	2	<input checked="" type="checkbox"/>	10	9.5	95.1
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	28.0	112.1
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.2	100.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.6	102.6
a qc 100	5	<input checked="" type="checkbox"/>	100	106.1	106.1
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	252.9	101.2
a QC 250	6	<input checked="" type="checkbox"/>	250	261.9	104.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	478.4	95.7
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	883.9	88.4
a qc 1000	8	<input checked="" type="checkbox"/>	1000	888.4	88.8

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p1a.batch.bin

Last Calib Update 9/17/2017 9:37 AM **Analyst Name** ISP TOX

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



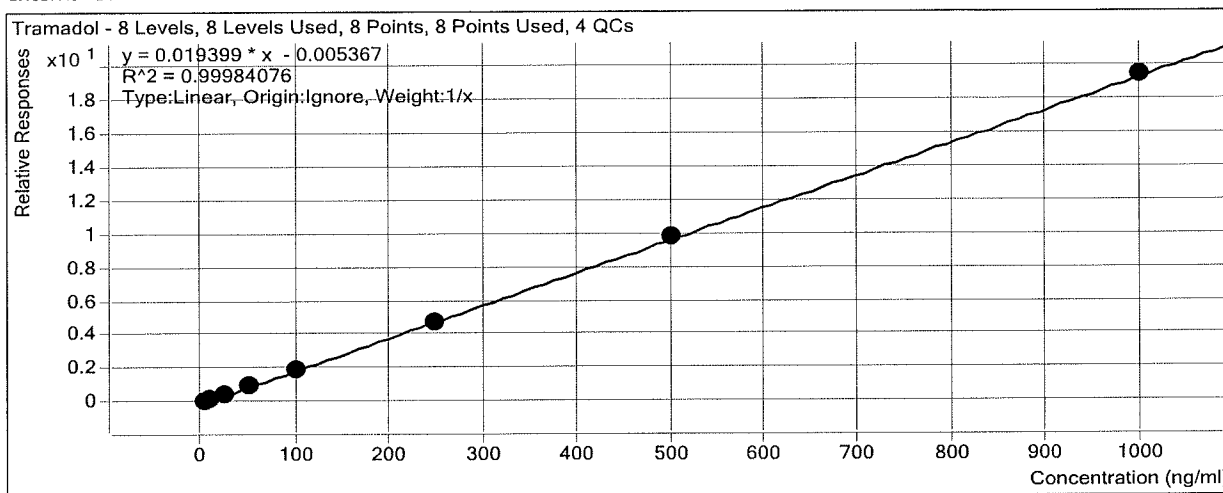
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	101.3
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	98.6
a QC 10	2	<input checked="" type="checkbox"/>	10	9.7	97.0
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.4	97.5
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.8	97.6
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.9	101.9
a qc 100	5	<input checked="" type="checkbox"/>	100	97.8	97.8
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	247.1	98.8
a QC 250	6	<input checked="" type="checkbox"/>	250	247.0	98.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	516.1	103.2
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1010.2	101.0
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1014.7	101.5

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p1a.batch.bin

Last Calib Update 9/17/2017 9:37 AM **Analyst Name** ISP TOX

Target Compound *Tramadol*
Internal Standard *Tramadol-13C-D3*



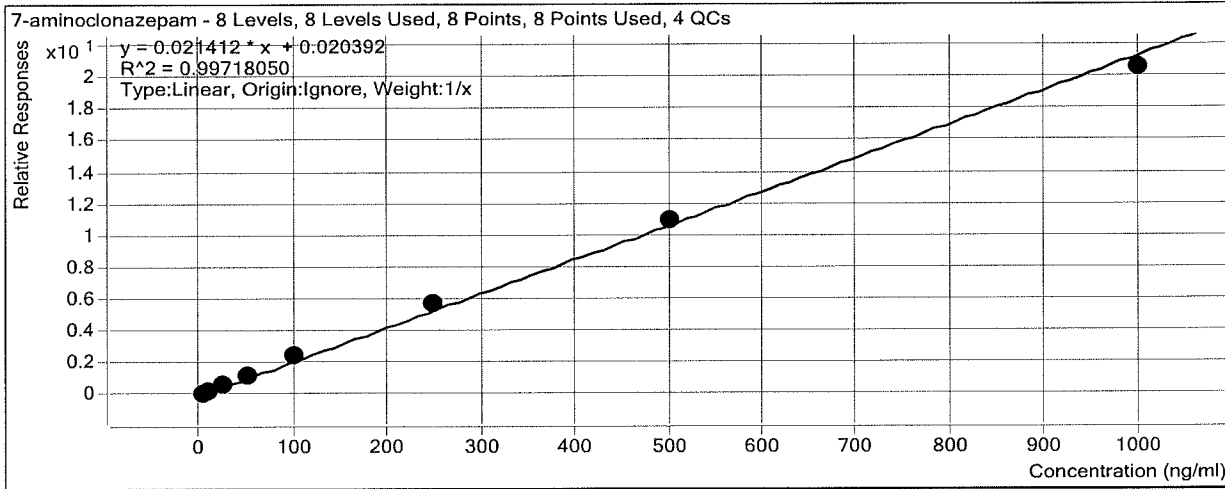
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.1
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	100.9
a QC 10	2	<input checked="" type="checkbox"/>	10	10.3	103.2
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.4	101.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.4	96.7
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.0	100.0
a qc 100	5	<input checked="" type="checkbox"/>	100	99.4	99.4
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	243.6	97.5
a QC 250	6	<input checked="" type="checkbox"/>	250	250.9	100.3
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	505.1	101.0
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1002.3	100.2
a qc 1000	8	<input checked="" type="checkbox"/>	1000	998.3	99.8

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p1a.batch.bin

Last Calib Update 9/17/2017 9:37 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	3.8	75.1
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	96.7
a QC 10	2	<input checked="" type="checkbox"/>	10	8.8	88.3
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.5	105.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.9	105.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	112.3	112.3
a qc 100	5	<input checked="" type="checkbox"/>	100	105.1	105.1
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	265.7	106.3
a QC 250	6	<input checked="" type="checkbox"/>	250	263.7	105.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	510.5	102.1
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	958.7	95.9
a qc 1000	8	<input checked="" type="checkbox"/>	1000	923.1	92.3

ISP Forensics Calibration Curve Report

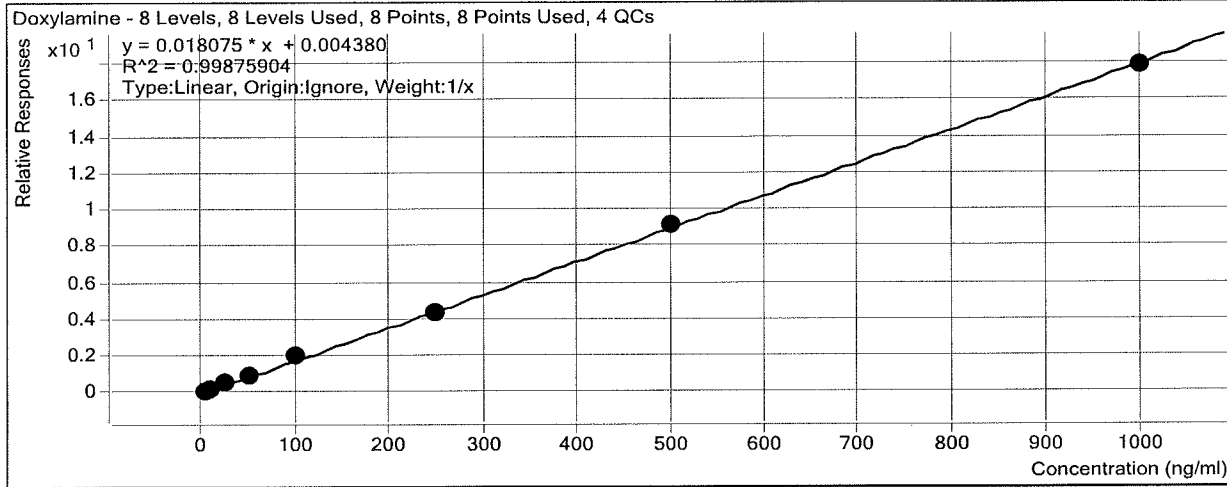
Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p1a.batch.bin

Last Calib Update 9/17/2017 9:37 AM

Analyst Name ISP TOX

Target Compound Doxylamine

Internal Standard Doxylamine-D5



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.5	89.4
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.5	95.0
a QC 10	2	<input checked="" type="checkbox"/>	10	10.0	100.4
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.9	107.7
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.7	99.4
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	111.5	111.5
a qc 100	5	<input checked="" type="checkbox"/>	100	107.7	107.7
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	241.1	96.4
a QC 250	6	<input checked="" type="checkbox"/>	250	266.9	106.7
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	509.1	101.8
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	987.7	98.8
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1047.6	104.8

ISP Forensics Calibration Curve Report

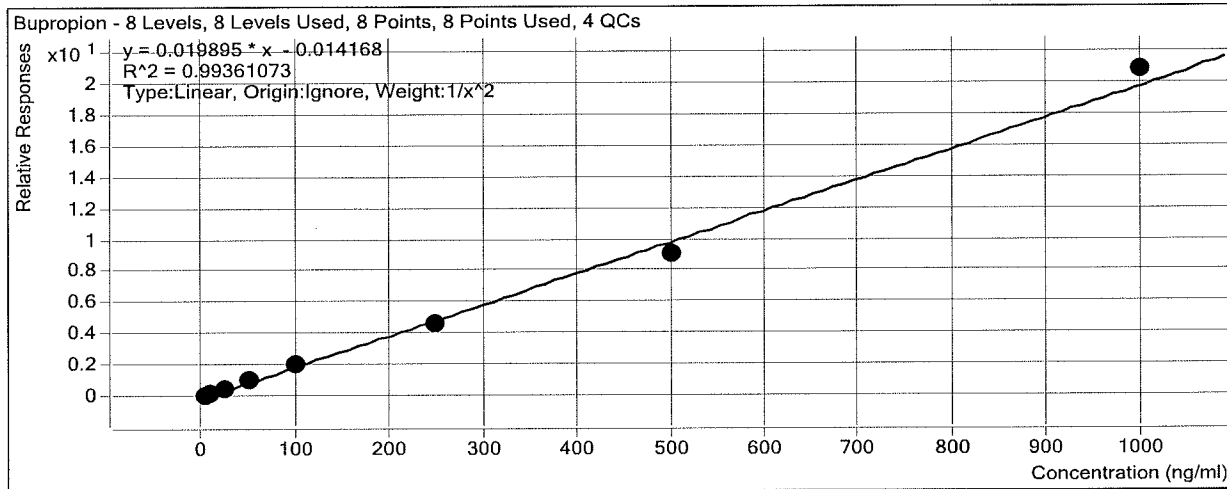
Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p1a.batch.bin

Last Calib Update 9/17/2017 9:37 AM

Analyst Name ISP TOX

Target Compound *Bupropion*

Internal Standard *Bupropion-D9*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.0
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.4	93.8
a QC 10	2	<input checked="" type="checkbox"/>	10	9.6	96.4
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.0	99.8
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	55.5	111.0
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	104.9	104.9
a qc 100	5	<input checked="" type="checkbox"/>	100	97.5	97.5
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	232.4	93.0
a QC 250	6	<input checked="" type="checkbox"/>	250	233.8	93.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	455.0	91.0
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1045.3	104.5
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1030.4	103.0

ISP Forensics Calibration Curve Report

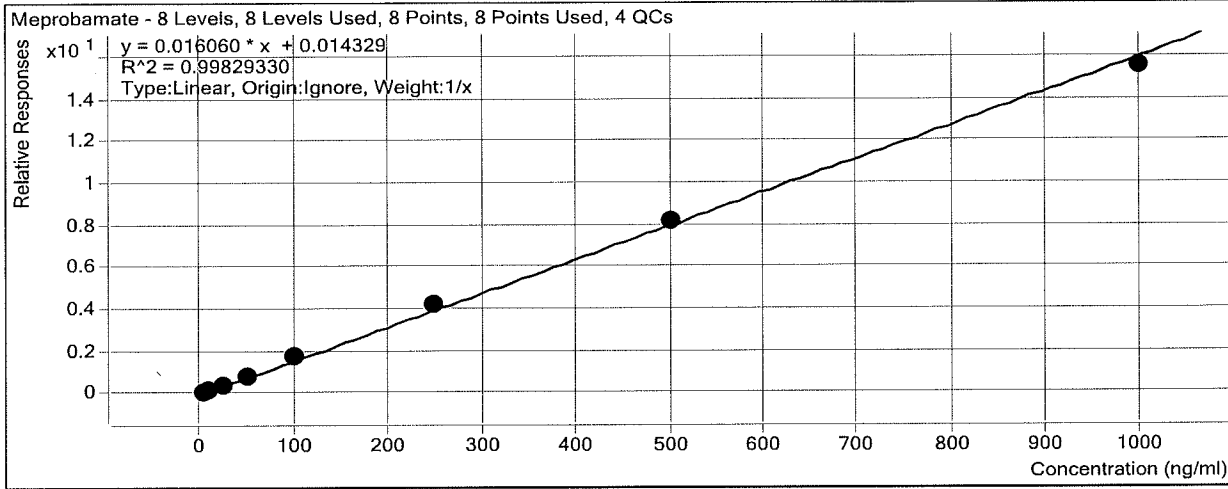
Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p1a.batch.bin

Last Calib Update 9/17/2017 9:37 AM

Analyst Name ISP TOX

Target Compound Meprobamate

Internal Standard Meprobamate-D7



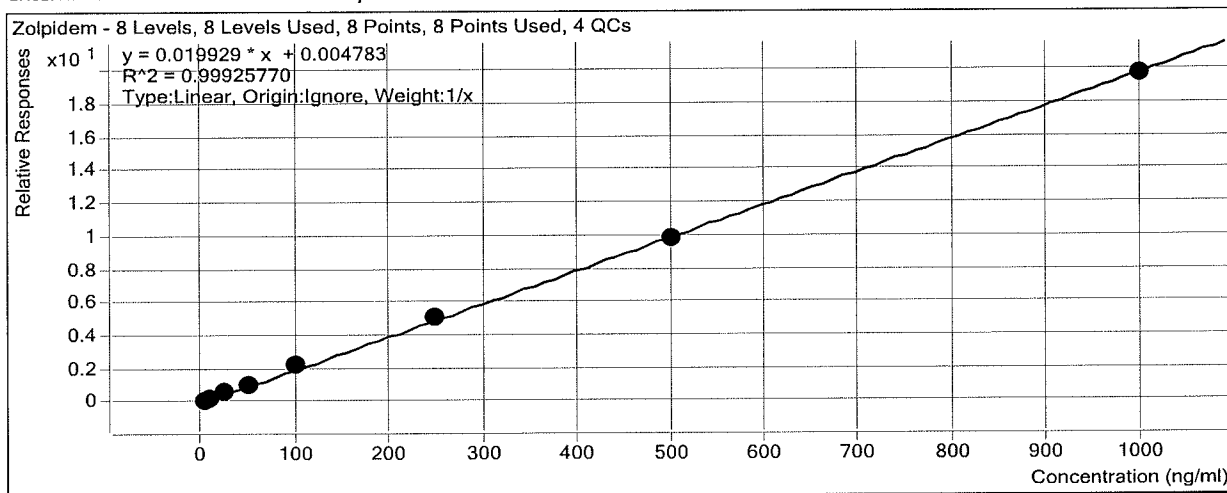
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.7	94.2
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.5	94.9
a QC 10	2	<input checked="" type="checkbox"/>	10	10.1	101.2
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.9	95.7
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.1	102.1
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	108.5	108.5
a qc 100	5	<input checked="" type="checkbox"/>	100	110.7	110.7
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	264.0	105.6
a QC 250	6	<input checked="" type="checkbox"/>	250	274.8	109.9
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	511.9	102.4
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	966.5	96.6
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1262.8	126.3

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p1a.batch.bin

Last Calib Update 9/17/2017 9:37 AM **Analyst Name** ISP TOX

Target Compound Zolpidem
Internal Standard Zolpidem-D6



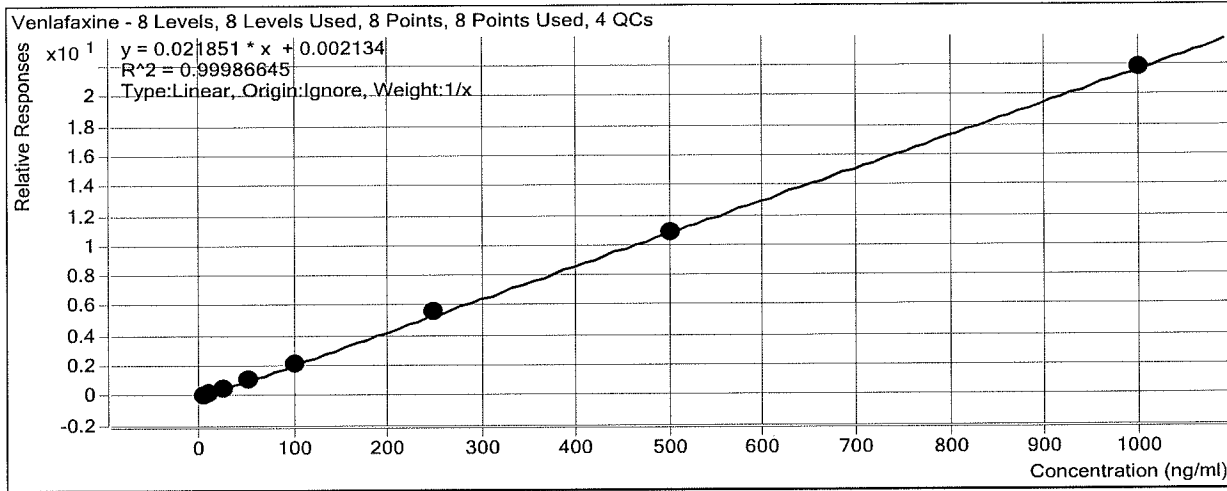
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.3	85.7
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	96.3
a QC 10	2	<input checked="" type="checkbox"/>	10	10.3	102.7
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.7	106.7
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.4	102.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	108.1	108.1
a qc 100	5	<input checked="" type="checkbox"/>	100	97.7	97.7
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	257.0	102.8
a QC 250	6	<input checked="" type="checkbox"/>	250	252.3	100.9
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	493.3	98.7
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	989.6	99.0
a qc 1000	8	<input checked="" type="checkbox"/>	1000	953.0	95.3

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p1a.batch.bin

Last Calib Update 9/17/2017 9:37 AM **Analyst Name** ISP TOX

Target Compound Venlafaxine
Internal Standard Venlafaxine-D6



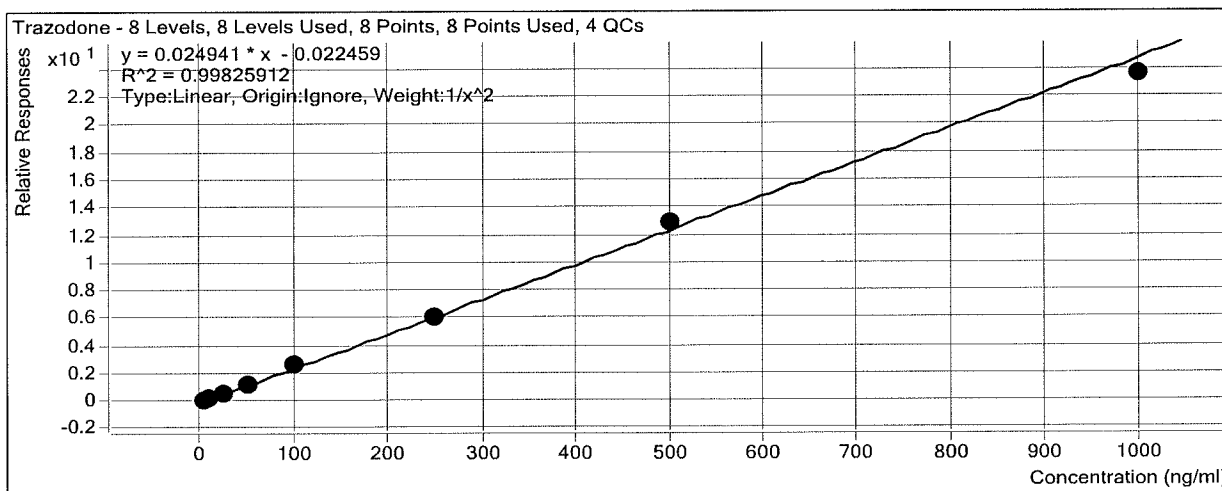
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.7	93.2
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	98.7
a QC 10	2	<input checked="" type="checkbox"/>	10	9.6	95.9
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.9	103.5
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.5	103.0
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.3	101.3
a qc 100	5	<input checked="" type="checkbox"/>	100	104.0	104.0
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	253.9	101.5
a QC 250	6	<input checked="" type="checkbox"/>	250	246.3	98.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	494.6	98.9
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	998.3	99.8
a qc 1000	8	<input checked="" type="checkbox"/>	1000	934.1	93.4

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p1a.batch.bin

Last Calib Update 9/17/2017 9:37 AM **Analyst Name** ISP TOX

Target Compound Trazodone
Internal Standard Trazodone-D6



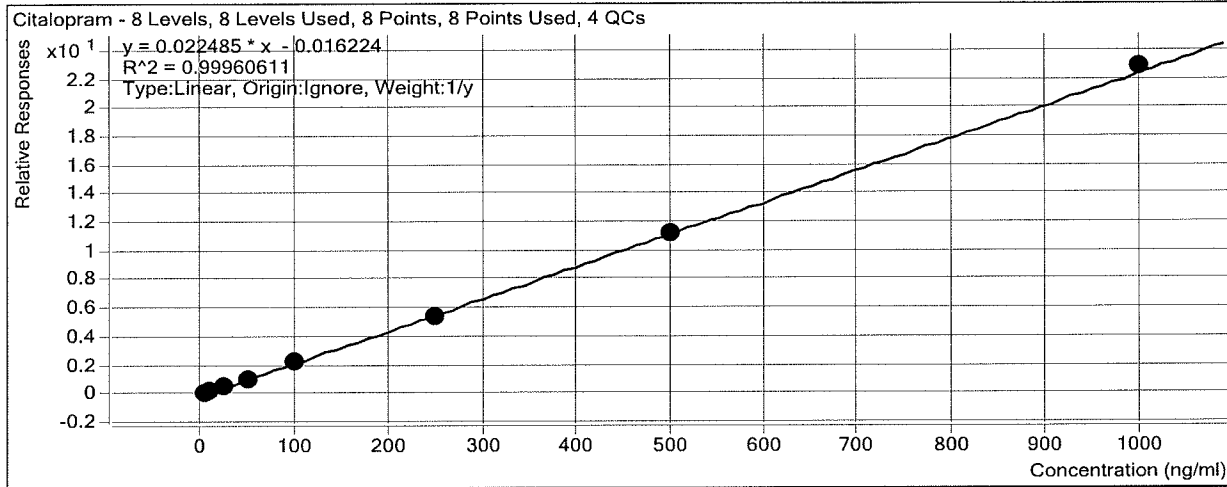
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	99.7
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	101.4
a QC 10	2	<input checked="" type="checkbox"/>	10	9.6	95.9
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.1	96.5
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.1	100.1
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	105.7	105.7
a qc 100	5	<input checked="" type="checkbox"/>	100	93.1	93.1
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	245.5	98.2
a QC 250	6	<input checked="" type="checkbox"/>	250	239.4	95.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	518.0	103.6
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	946.6	94.7
a qc 1000	8	<input checked="" type="checkbox"/>	1000	828.6	82.9

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p1a.batch.bin

Last Calib Update 9/17/2017 9:37 AM **Analyst Name** ISP TOX

Target Compound Citalopram
Internal Standard Citalopram-D6



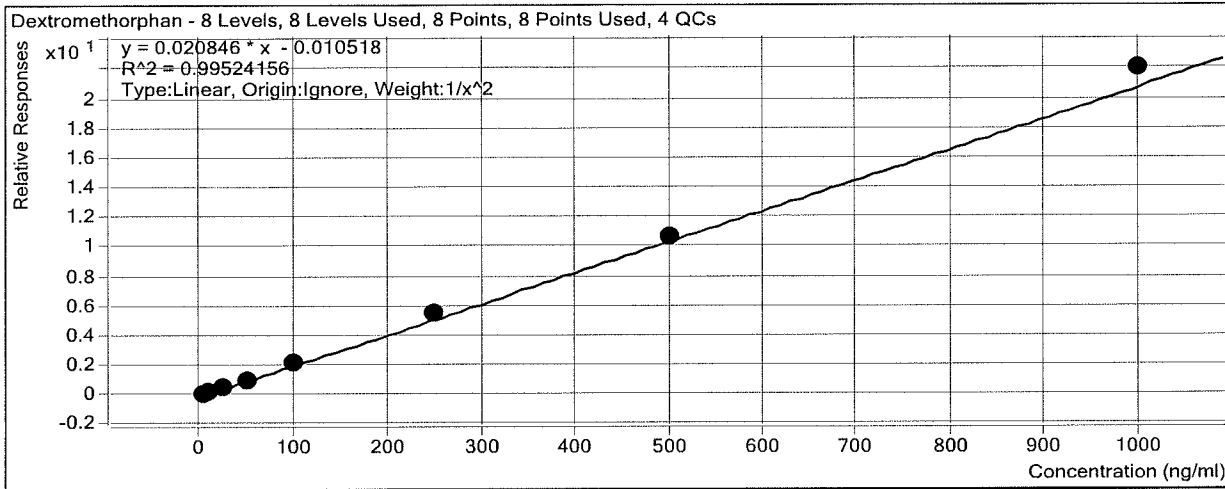
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.4	107.2
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.3	102.6
a QC 10	2	<input checked="" type="checkbox"/>	10	9.5	95.2
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.8	99.4
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.1	94.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.6	98.6
a qc 100	5	<input checked="" type="checkbox"/>	100	97.8	97.8
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	242.4	97.0
a QC 250	6	<input checked="" type="checkbox"/>	250	246.3	98.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	497.3	99.5
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1014.8	101.5
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1001.3	100.1

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p1a.batch.bin

Last Calib Update 9/17/2017 9:37 AM **Analyst Name** ISP TOX

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



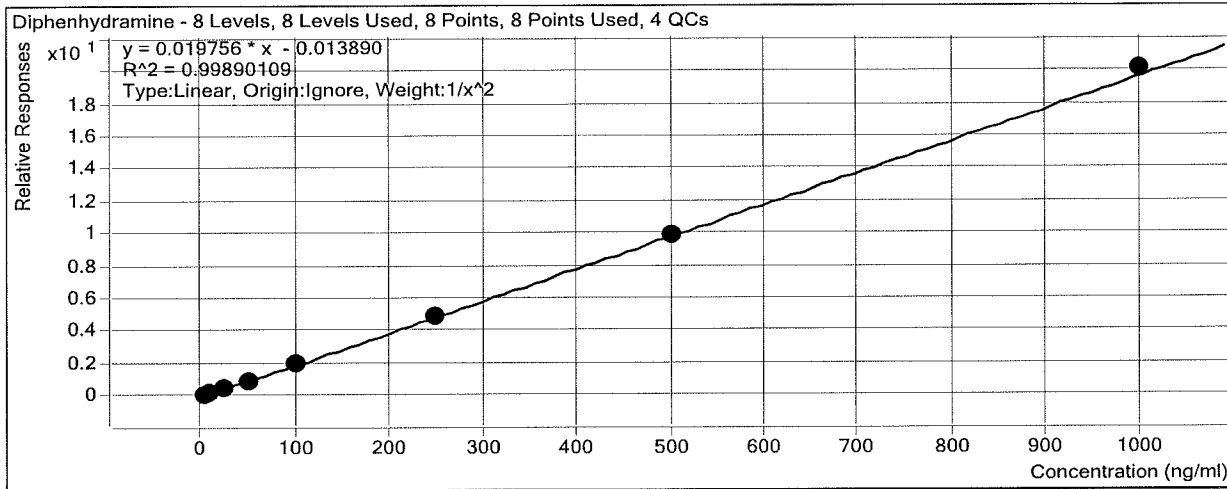
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.3	105.2
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.3	93.3
a QC 10	2	<input checked="" type="checkbox"/>	10	9.6	95.8
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.2	92.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.2	92.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.9	103.9
a qc 100	5	<input checked="" type="checkbox"/>	100	104.2	104.2
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	261.2	104.5
a QC 250	6	<input checked="" type="checkbox"/>	250	324.1	129.6
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	511.5	102.3
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1055.9	105.6
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1084.6	108.5

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p1a.batch.bin

Last Calib Update 9/17/2017 9:37 AM **Analyst Name** ISP TOX

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



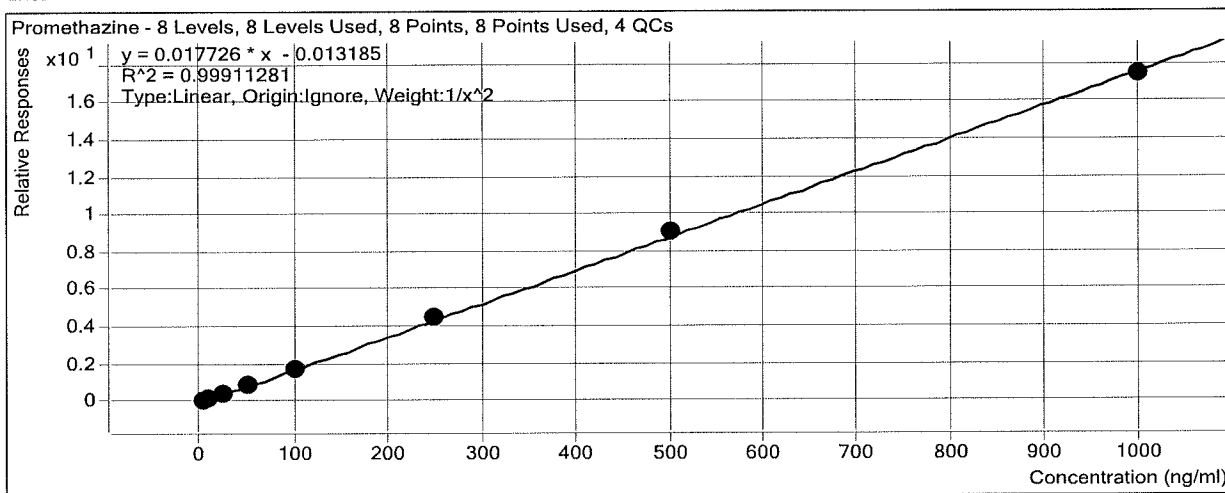
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.9	99.0
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.3	103.4
a QC 10	2	<input checked="" type="checkbox"/>	10	9.5	94.8
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.7	98.7
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.2	94.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.8	102.8
a qc 100	5	<input checked="" type="checkbox"/>	100	93.8	93.8
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	250.8	100.3
a QC 250	6	<input checked="" type="checkbox"/>	250	245.0	98.0
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	498.2	99.6
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1018.2	101.8
a qc 1000	8	<input checked="" type="checkbox"/>	1000	970.5	97.1

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p1a.batch.bin

Last Calib Update 9/17/2017 9:37 AM **Analyst Name** ISP TOX

Target Compound Promethazine
Internal Standard Promethazine-D3



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.9	99.0
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.2	102.1
a QC 10	2	<input checked="" type="checkbox"/>	10	10.3	102.8
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.6	102.3
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.6	95.2
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.0	99.0
a qc 100	5	<input checked="" type="checkbox"/>	100	99.0	99.0
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	252.0	100.8
a QC 250	6	<input checked="" type="checkbox"/>	250	260.3	104.1
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	515.2	103.0
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	985.6	98.6
a qc 1000	8	<input checked="" type="checkbox"/>	1000	996.6	99.7

ISP Forensics Calibration Curve Report

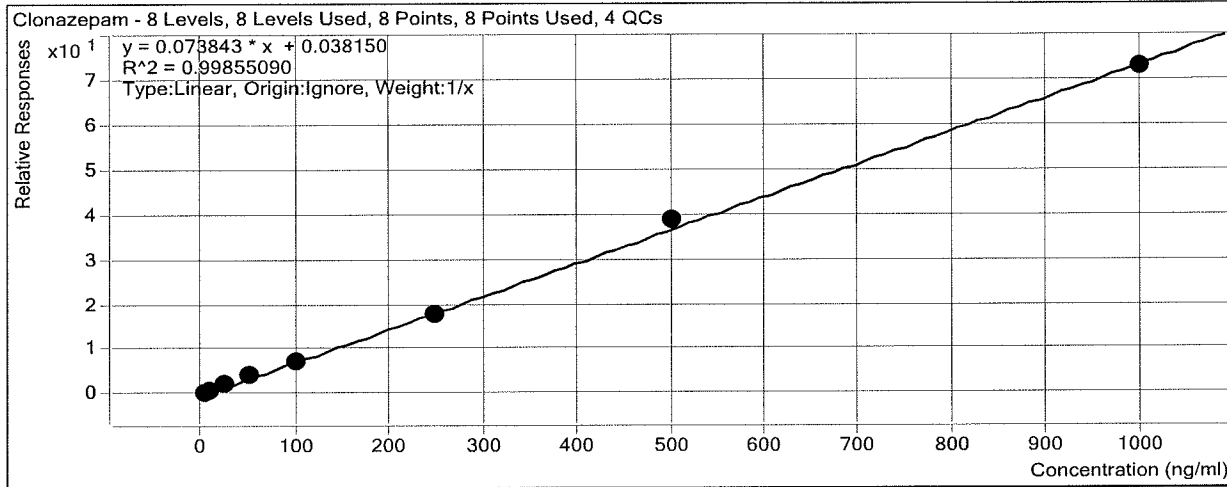
Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p1a.batch.bin

Last Calib Update 9/17/2017 9:37 AM

Analyst Name ISP TOX

Target Compound Clonazepam

Internal Standard Clonazepam-D4



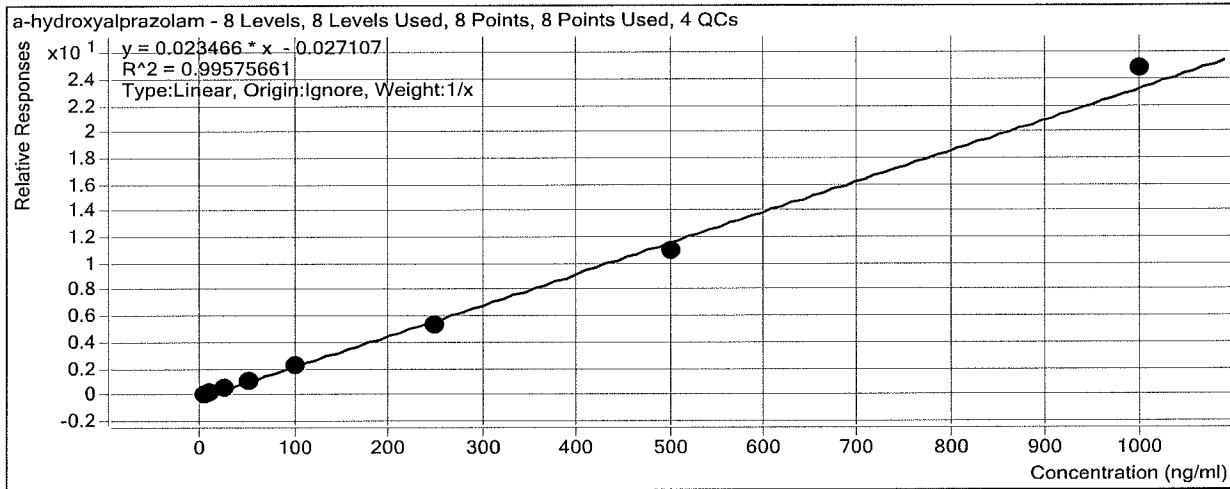
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.7	94.8
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.5	95.4
a QC 10	2	<input checked="" type="checkbox"/>	10	8.7	86.5
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	27.0	108.2
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	53.2	106.5
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	96.7	96.7
a qc 100	5	<input checked="" type="checkbox"/>	100	97.3	97.3
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	237.1	94.8
a QC 250	6	<input checked="" type="checkbox"/>	250	293.0	117.2
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	524.6	104.9
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	987.0	98.7
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1063.4	106.3

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p1a.batch.bin

Last Calib Update 9/17/2017 9:37 AM **Analyst Name** ISP TOX

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



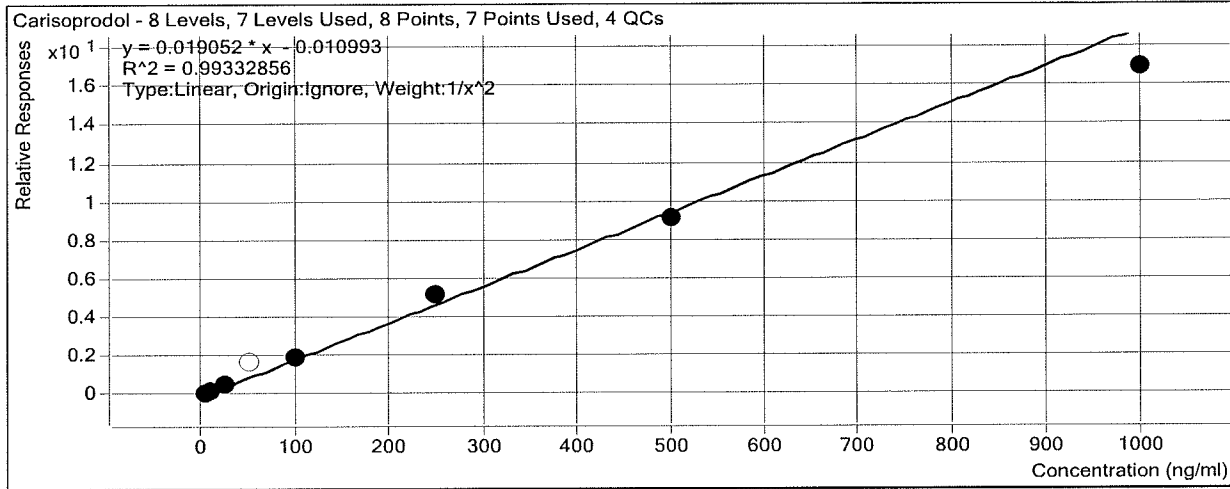
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.6	112.6
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.9	109.4
a QC 10	2	<input checked="" type="checkbox"/>	10	9.6	95.9
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.0	91.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.6	97.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.8	97.8
a qc 100	5	<input checked="" type="checkbox"/>	100	91.7	91.7
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	229.6	91.9
a QC 250	6	<input checked="" type="checkbox"/>	250	241.2	96.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	467.0	93.4
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1057.4	105.7
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1014.5	101.4

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p1a.batch.bin

Last Calib Update 9/17/2017 9:37 AM **Analyst Name** ISP TOX

Target Compound Carisoprodol
Internal Standard Carisoprodol-D7



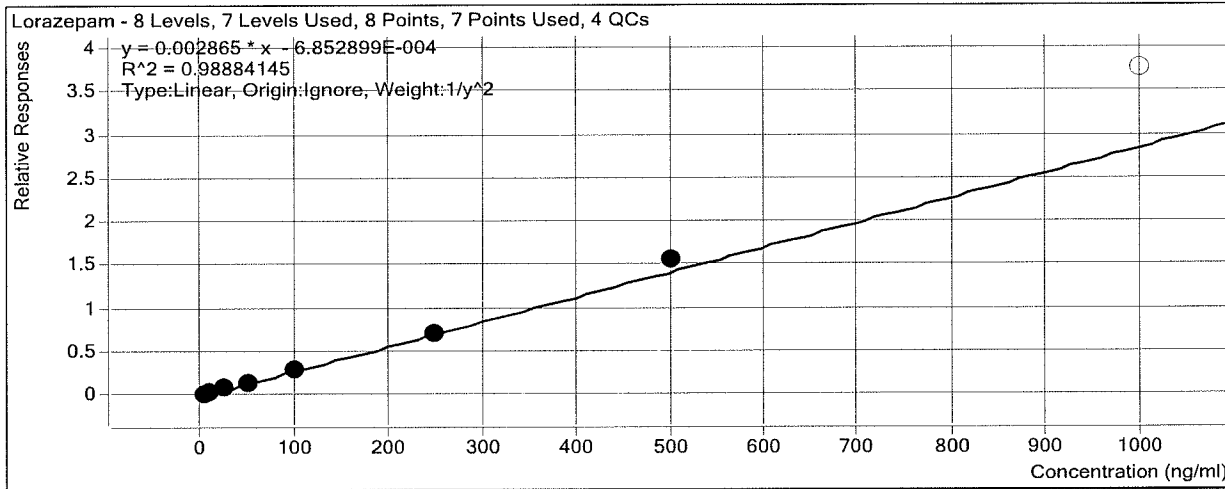
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.9	98.2
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	100.2
a QC 10	2	<input checked="" type="checkbox"/>	10	11.0	110.0
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	27.1	108.4
a cal 4-50ng	4	<input type="checkbox"/>	50	90.0	180.0
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.7	98.7
a qc 100	5	<input checked="" type="checkbox"/>	100	93.7	93.7
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	273.7	109.5
a QC 250	6	<input checked="" type="checkbox"/>	250	234.4	93.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	480.9	96.2
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	888.3	88.8
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1054.8	105.5

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p1a.batch.bin

Last Calib Update 9/17/2017 9:37 AM **Analyst Name** ISP TOX

Target Compound Lorazepam
Internal Standard Alprazolam-D5



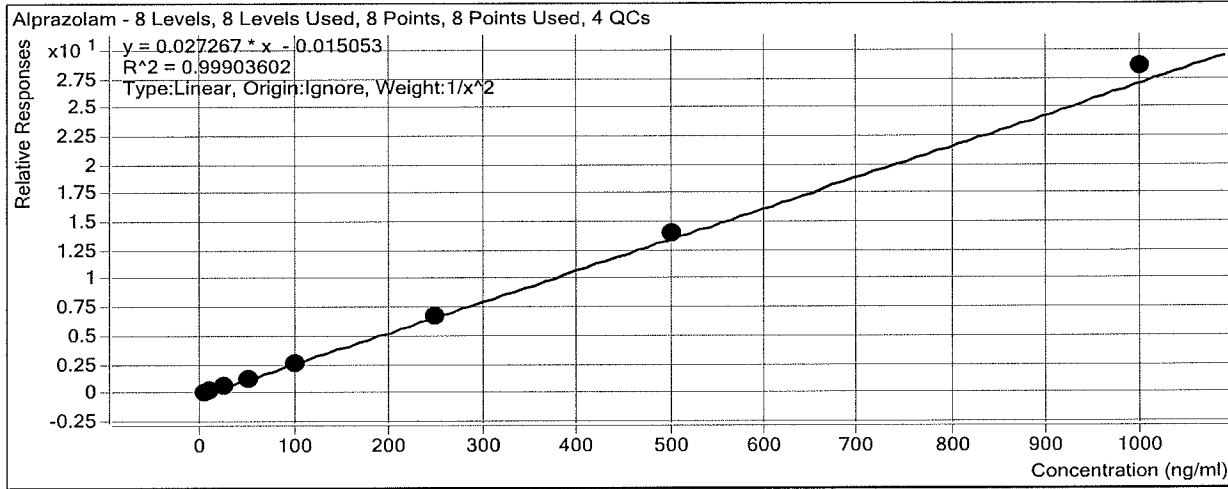
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.5	110.5
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	8.6	85.8
a QC 10	2	<input checked="" type="checkbox"/>	10	8.1	80.5
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.6	102.3
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.1	102.2
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.0	102.0
a qc 100	5	<input checked="" type="checkbox"/>	100	96.6	96.6
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	244.1	97.6
a QC 250	6	<input checked="" type="checkbox"/>	250	230.1	92.1
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	541.9	108.4
a cal 8-1000ng	8	<input type="checkbox"/>	1000	1312.6	131.3
a qc 1000	8	<input type="checkbox"/>	1000	1169.6	117.0

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdq p1a.batch.bin

Last Calib Update 9/17/2017 9:37 AM **Analyst Name** ISP TOX

Target Compound Alprazolam
Internal Standard Alprazolam-D5



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	101.2
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	98.5
a QC 10	2	<input checked="" type="checkbox"/>	10	9.9	99.2
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.0	99.8
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.4	96.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.8	97.8
a qc 100	5	<input checked="" type="checkbox"/>	100	96.4	96.4
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	246.0	98.4
a QC 250	6	<input checked="" type="checkbox"/>	250	242.2	96.9
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	513.6	102.7
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1047.2	104.7
a qc 1000	8	<input checked="" type="checkbox"/>	1000	994.8	99.5

ISP FORENSICS - Cd'A Instrument # 62340

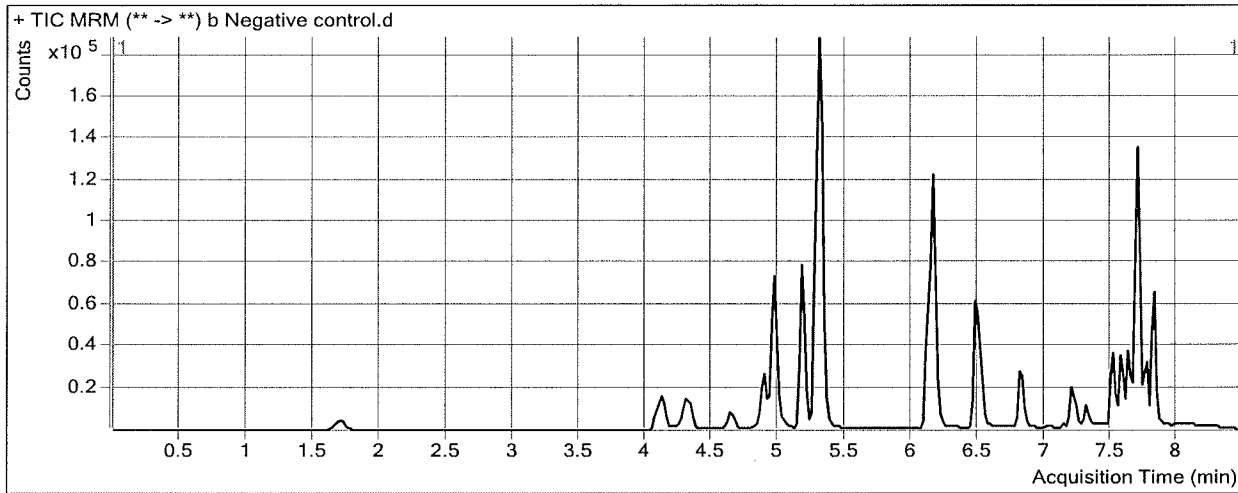
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdp p1b.batch.bin
Analysis Time 9/17/2017 9:46 AM **Analyst Name** ISP Tox
Report Time 9/17/2017 10:04 AM **Reporter Name** ISP Tox
Last Calib Update 9/17/2017 9:46 AM **Batch State** Processed

Analysis Info

Acq Time 2017-09-14 19:12 **Data File** b Negative control.d
Sample Type Sample **Sample Name** b Negative control
Dilution 1 **Acq Method** Quant Panel 1b 8-8-2017.m
Position P1-E2 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



ISP FORENSICS - Cd'A Instrument # 62340

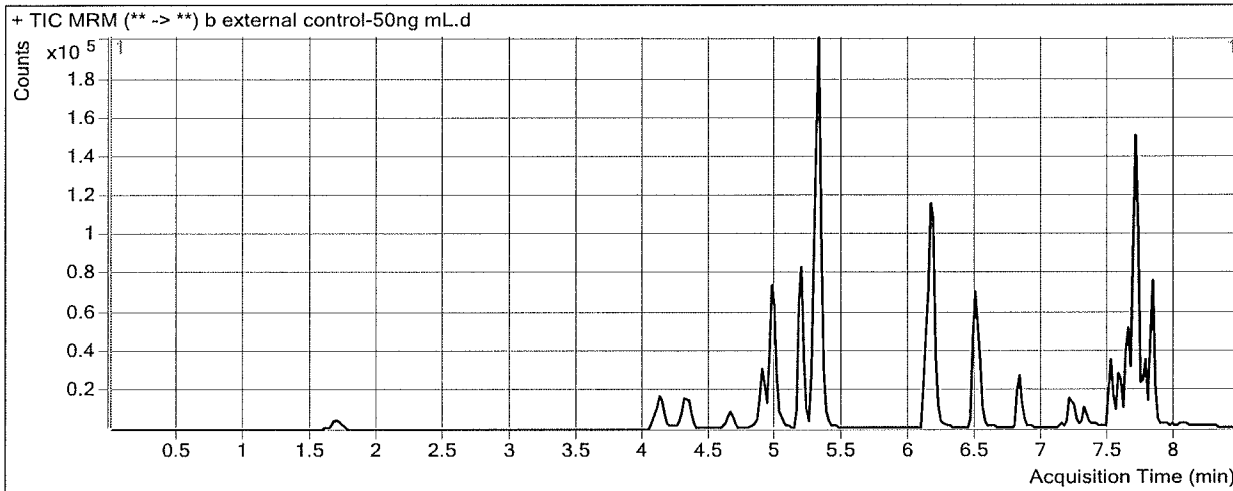
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdp p1b.batch.bin
Analysis Time 9/17/2017 9:46 AM **Analyst Name** ISP Tox
Report Time 9/17/2017 10:04 AM **Reporter Name** ISP Tox
Last Calib Update 9/17/2017 9:46 AM **Batch State** Processed

Analysis Info

Acq Time 2017-09-14 19:38 **Data File** b external control-50ng mL.d
Sample Type Sample **Sample Name** b external control-50ng mL
Dilution 1 **Acq Method** Quant Panel 1b 8-8-2017.m
Position P1-F2 **Sample Info**
Inj Vol -1 **Comment** AM 28: lot 21718 50 ng oxazepam

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxazepam	Oxazepam-D5	7.648	36822	62548	0.5887	29.0672

ISP FORENSICS - Cd'A Instrument # 62340

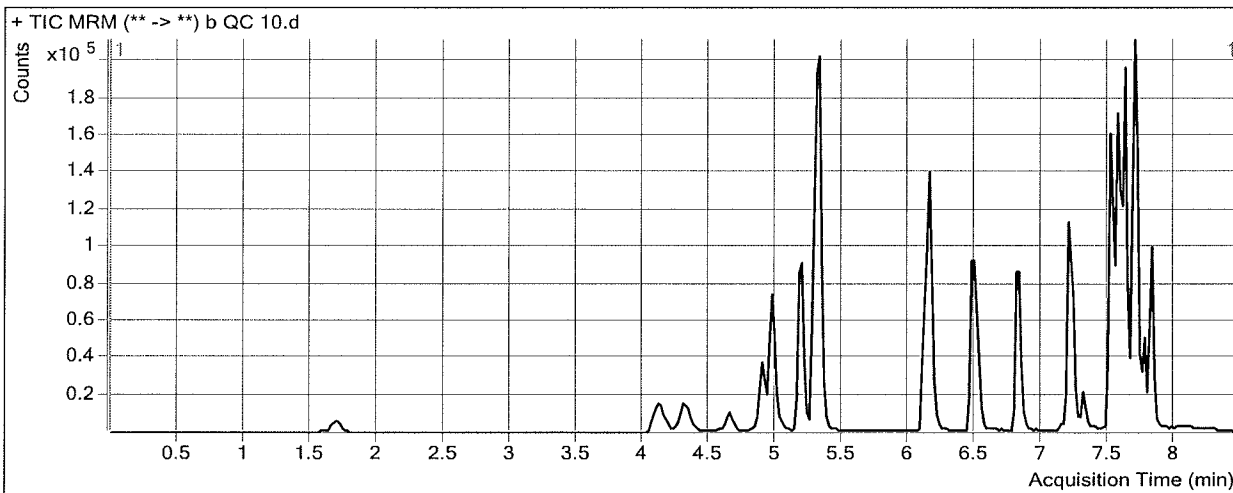
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdp p1b.batch.bin
Analysis Time 9/17/2017 9:46 AM **Analyst Name** ISP Tox
Report Time 9/17/2017 10:04 AM **Reporter Name** ISP Tox
Last Calib Update 9/17/2017 9:46 AM **Batch State** Processed

Analysis Info

Acq Time 2017-09-14 20:03 **Data File** b QC 10.d
Sample Type QC **Sample Name** b QC 10
Dilution 1 **Acq Method** Quant Panel 1b 8-8-2017.m
Position P1-A2 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.708	6197	29565	0.2096	10.2073
Dihydrocodeine	Dihydrocodeine-D6	4.170	12548	71108	0.1765	8.8529
Naloxone	Naloxone-D5	4.367	8098	69200	0.1170	11.0275
Noroxycodone	Noroxycodone-D3	4.677	7674	36159	0.2122	9.7085
Naltrexone	Naltrexone-D3	4.909	16869	91369	0.1846	9.4094
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.044	4785	247327	0.0193	0.8907
Naltrexol	Naltrexol-D3	5.188	55994	224057	0.2499	9.5493
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.321	116037	570889	0.2033	9.5602
Ketamine	Ketamine-D4	6.135	38243	174750	0.2188	9.2663
Norfentanyl	Norfentanyl-D5	6.182	5268	308667	0.0171	*1.3730*
alpha-PVP	alpha-PVP-d8	6.506	53288	235197	0.2266	10.0917
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.818	4856	272251	0.0178	0.9528
Norbuprenorphine	Norbuprenorphine-D3	7.134	162	8203	0.0197	*0.5224*
Fentanyl	Fentanyl-D5	7.218	4472	269325	0.0166	0.9652
EDDP	EDDP-D3	7.308	6235	33095	0.1884	8.6455
Sufentanil	Sufentanil-D5	7.518	3815	162192	0.0235	1.0431
Quetiapine	Quetiapine-D8	7.519	84371	108935	0.7745	9.0624
Cyclobenzaprine	Cyclobenzaprine-D3	7.552	20551	96330	0.2133	10.2261
Methadone	Methadone-D9	7.562	45358	273279	0.1660	10.6734
Fluoxetine	Fluoxetine-D6	7.623	54942	317489	0.1731	*11.2207*
Oxazepam	Oxazepam-D5	7.648	11760	56252	0.2091	10.9810
Sertraline	Sertraline-D3	7.685	14888	72933	0.2041	10.9858
Temazepam	Temazepam-D5	7.687	50070	262499	0.1907	9.9556

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

b QC 10

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Buprenorphine	Buprenorphine-D4	7.756	1486	64036	0.0232	* 1.6606 *
Nordiazepam	Nordiazepam-D5	7.774	20459	72500	0.2822	9.6401
Diazepam	Diazepam-D5	7.830	36378	148468	0.2450	12.3487



ISP FORENSICS - Cd'A Instrument # 62340

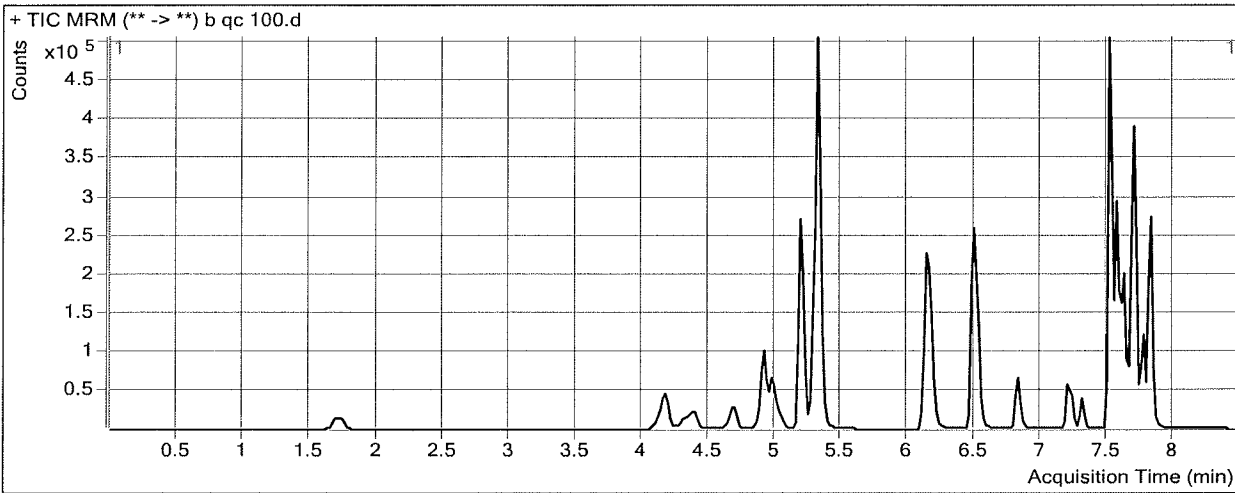
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdp p1b.batch.bin
Analysis Time 9/17/2017 9:46 AM **Analyst Name** ISP Tox
Report Time 9/17/2017 10:04 AM **Reporter Name** ISP Tox
Last Calib Update 9/17/2017 9:46 AM **Batch State** Processed

Analysis Info

Acq Time 2017-09-15 00:03 **Data File** b qc 100.d
Sample Type QC **Sample Name** b qc 100
Dilution 1 **Acq Method** Quant Panel 1b 8-8-2017.m
Position P1-B2 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.728	57323	25147	2.2795	98.1401
Dihydrocodeine	Dihydrocodeine-D6	4.170	119741	62800	1.9067	104.3394
Naloxone	Naloxone-D5	4.386	72815	57851	1.2587	104.5101
Noroxycodone	Noroxycodone-D3	4.696	69548	30110	2.3098	102.4601
Naltrexone	Naltrexone-D3	4.909	147862	68104	2.1711	106.5375
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.044	44472	208001	0.2138	9.3171
Naltrexol	Naltrexol-D3	5.188	473233	183331	2.5813	104.1380
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.321	1033547	489965	2.1094	99.6861
Ketamine	Ketamine-D4	6.135	347380	145062	2.3947	100.7844
Norfentanyl	Norfentanyl-D5	6.200	50918	267073	0.1907	9.1932
alpha-PVP	alpha-PVP-d8	6.506	441364	185874	2.3745	100.3392
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.818	28026	148412	0.1888	9.3295
Norbuprenorphine	Norbuprenorphine-D3	7.154	844	4271	0.1976	10.4564
Fentanyl	Fentanyl-D5	7.218	22857	116326	0.1965	9.7658
EDDP	EDDP-D3	7.308	43581	19726	2.2093	95.1206
Sufentanil	Sufentanil-D5	7.497	14371	65512	0.2194	9.6472
Quetiapine	Quetiapine-D8	7.498	660253	80539	8.1979	98.8467
Cyclobenzaprine	Cyclobenzaprine-D3	7.552	87766	39588	2.2170	94.6601
Methadone	Methadone-D9	7.562	225432	129423	1.7418	101.4339
Fluoxetine	Fluoxetine-D6	7.623	253707	125146	2.0273	107.0585
Oxazepam	Oxazepam-D5	7.648	63452	29824	2.1275	102.3759
Sertraline	Sertraline-D3	7.685	55192	30783	1.7929	82.3688
Temazepam	Temazepam-D5	7.687	381751	193429	1.9736	90.9169

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

b qc 100

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Buprenorphine	Buprenorphine-D4	7.735	6683	30575	0.2186	8.1106
Nordiazepam	Nordiazepam-D5	7.774	150029	49330	3.0414	98.3459
Diazepam	Diazepam-D5	7.830	306380	118589	2.5835	103.4984



ISP FORENSICS - Cd'A Instrument # 62340

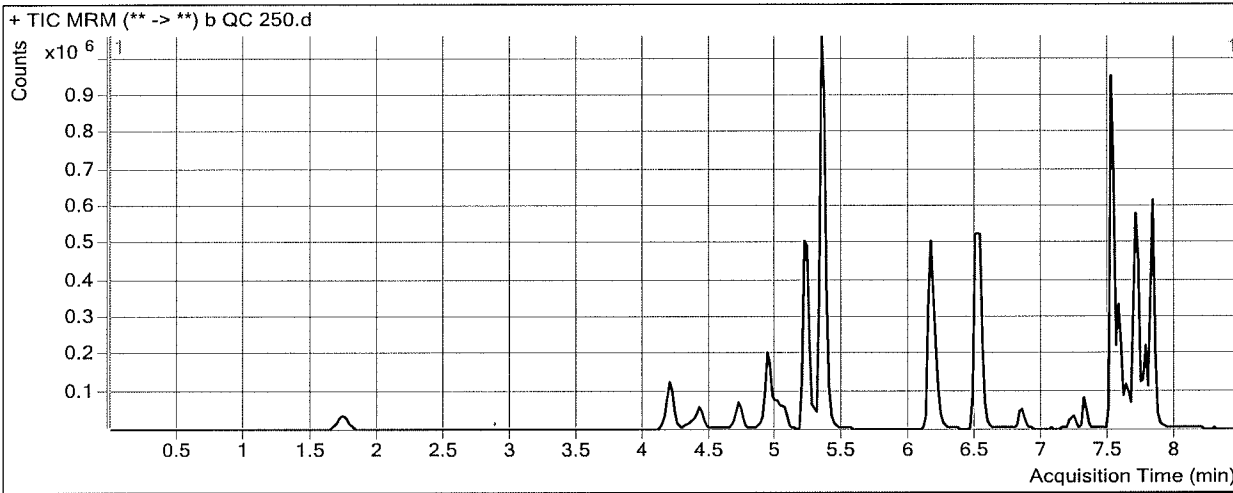
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdp p1b.batch.bin		
Analysis Time	9/17/2017 9:46 AM	Analyst Name	ISP Tox
Report Time	9/17/2017 10:04 AM	Reporter Name	ISP Tox
Last Calib Update	9/17/2017 9:46 AM	Batch State	Processed

Analysis Info

Acq Time	2017-09-15 04:16	Data File	b QC 250.d
Sample Type	QC	Sample Name	b QC 250
Dilution	1	Acq Method	Quant Panel 1b 8-8-2017.m
Position	P1-C2	Sample Info	
Inj Vol	-1	Comment	AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.748	155753	26057	5.9773	255.2252
Dihydrocodeine	Dihydrocodeine-D6	4.197	314545	66262	4.7470	261.0885
Naloxone	Naloxone-D5	4.406	193912	59041	3.2843	270.3786
Noroxycodone	Noroxycodone-D3	4.716	182344	33639	5.4207	240.0201
Naltrexone	Naltrexone-D3	4.929	362997	69372	5.2326	256.2284
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.064	126595	223522	0.5664	24.5941
Naltrexol	Naltrexol-D3	5.228	1134773	183379	6.1881	250.4727
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.341	2814223	532449	5.2854	249.8509
Ketamine	Ketamine-D4	6.155	954995	160552	5.9482	250.2459
Norfentanyl	Norfentanyl-D5	6.200	148158	296094	0.5004	23.1467
alpha-PVP	alpha-PVP-d8	6.526	1159678	195280	5.9385	250.0810
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.838	46766	97024	0.4820	23.6902
Norbuprenorphine	Norbuprenorphine-D3	7.154	1476	2875	0.5134	28.0927
Fentanyl	Fentanyl-D5	7.218	24285	49622	0.4894	24.0959
EDDP	EDDP-D3	7.308	125658	22175	5.6667	243.0675
Sufentanil	Sufentanil-D5	7.497	12567	22710	0.5533	24.3203
Quetiapine	Quetiapine-D8	7.498	1432939	68054	21.0560	254.3617
Cyclobenzaprine	Cyclobenzaprine-D3	7.552	65518	11577	5.6592	239.7108
Methadone	Methadone-D9	7.562	313074	75069	4.1705	241.3135
Fluoxetine	Fluoxetine-D6	7.623	89308	21321	4.1887	218.7704
Oxazepam	Oxazepam-D5	7.648	128620	23234	5.5359	264.7476
Sertraline	Sertraline-D3	7.705	10378	3779	2.7462	125.1998
Temazepam	Temazepam-D5	7.687	909506	175930	5.1697	236.0558

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

b QC 250
100
A

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Buprenorphine	Buprenorphine-D4	7.735	10757	16878	0.6373	21.9349
Nordiazepam	Nordiazepam-D5	7.774	309687	41955	7.3814	237.8774
Diazepam	Diazepam-D5	7.830	768916	121223	6.3430	250.0318

ISP FORENSICS - Cd'A Instrument # 62340

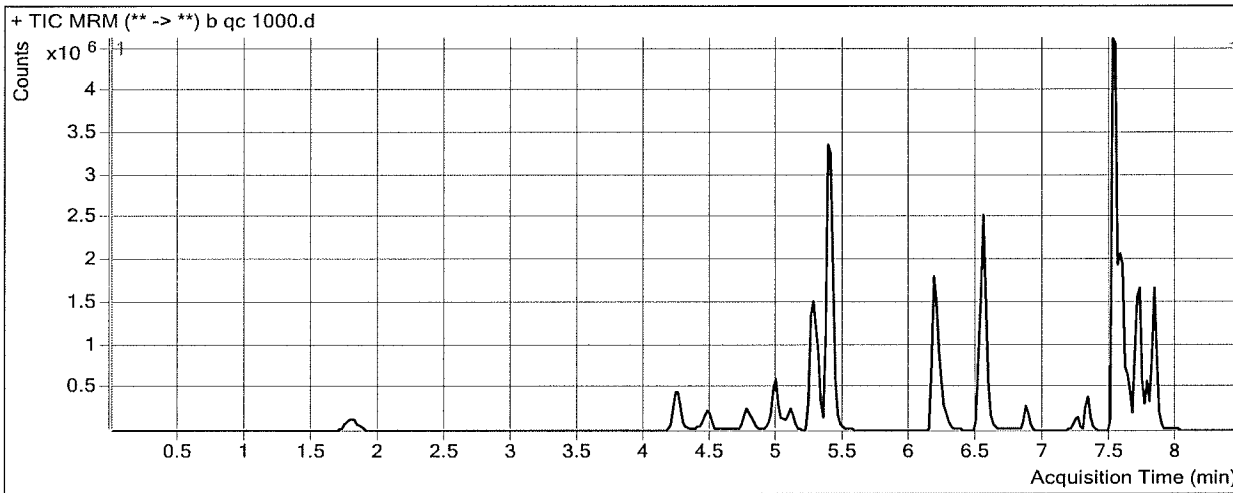
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdp p1b.batch.bin
Analysis Time 9/17/2017 9:46 AM **Analyst Name** ISP Tox
Report Time 9/17/2017 10:04 AM **Reporter Name** ISP Tox
Last Calib Update 9/17/2017 9:46 AM **Batch State** Processed

Analysis Info

Acq Time 2017-09-15 07:01 **Data File** b qc 1000.d
Sample Type QC **Sample Name** b qc 1000
Dilution 1 **Acq Method** Quant Panel 1b 8-8-2017.m
Position P1-D2 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.808	682012	28646	23.8083	1012.7008
Dihydrocodeine	Dihydrocodeine-D6	4.257	1220437	74118	16.4661	907.8321
Naloxone	Naloxone-D5	4.466	830089	61060	13.5946	1114.6189
Noroxycodone	Noroxycodone-D3	4.777	762656	33021	23.0959	1021.5959
Naltrexone	Naltrexone-D3	4.989	1160478	58589	19.8071	968.8378
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.104	596782	239812	2.4885	107.8863
Naltrexol	Naltrexol-D3	5.269	3860987	166024	23.2555	942.9273
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.381	11219924	530596	21.1459	999.7512
Ketamine	Ketamine-D4	6.175	4229789	179018	23.6277	993.8576
Norfentanyl	Norfentanyl-D5	6.240	756318	339541	2.2275	100.9545
alpha-PVP	alpha-PVP-d8	6.546	5621180	239308	23.4893	987.4791
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.858	394424	194233	2.0307	99.5531
Norbuprenorphine	Norbuprenorphine-D3	7.173	7888	3687	2.1392	118.8933
Fentanyl	Fentanyl-D5	7.238	204042	84906	2.4032	117.7250
EDDP	EDDP-D3	7.328	781808	33536	23.3127	998.1549
Sufentanil	Sufentanil-D5	7.497	134561	52460	2.5650	112.7020
Quetiapine	Quetiapine-D8	7.498	8664212	114130	75.9152	917.8681
Cyclobenzaprine	Cyclobenzaprine-D3	7.552	604973	25120	24.0834	1016.0981
Methadone	Methadone-D9	7.582	2471642	144723	17.0784	984.7413
Fluoxetine	Fluoxetine-D6	7.623	845018	44627	18.9353	980.9603
Oxazepam	Oxazepam-D5	7.648	400282	17027	23.5081	1120.9316
Sertraline	Sertraline-D3	7.685	234432	10551	22.2193	1000.1045
Temazepam	Temazepam-D5	7.707	3005073	142984	21.0168	955.6899

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

b QC1000

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Buprenorphine	Buprenorphine-D4	7.715	62356	17074	3.6521	121.4627
Nordiazepam	Nordiazepam-D5	7.774	742322	27053	27.4393	882.7265
Diazepam	Diazepam-D5	7.830	2445678	99561	24.5646	960.2663



ISP Forensics Calibration Curve Report

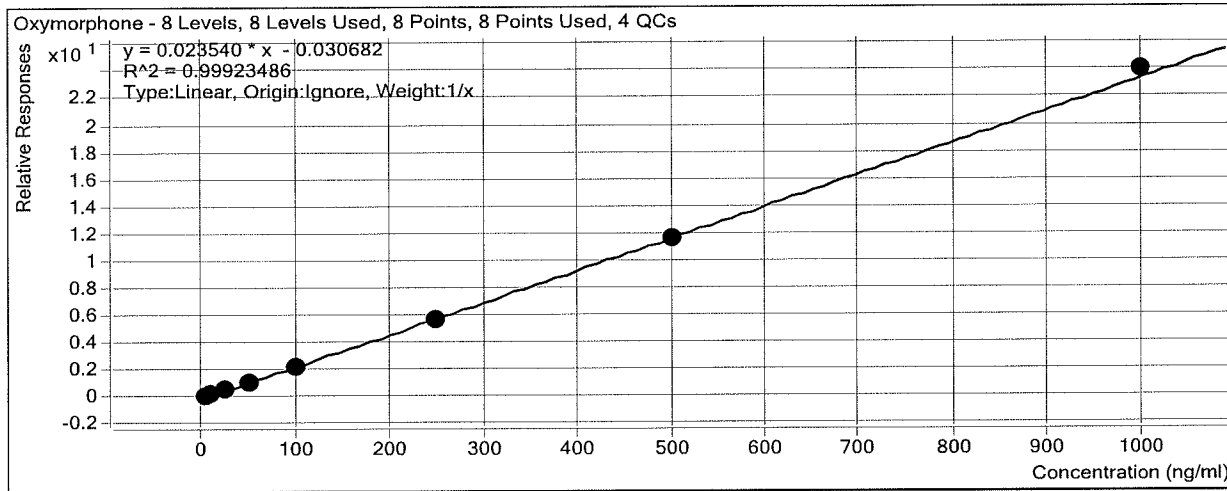
Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdp p1b.batch.bin

Last Calib Update 9/17/2017 9:46 AM

Analyst Name ISP TOX

Target Compound Oxymorphone

Internal Standard Oxymorphone-D3



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.6	111.1
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.6	105.5
b QC 10	2	<input checked="" type="checkbox"/>	10	10.2	102.1
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.4	97.4
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.6	93.3
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	94.8	94.8
b qc 100	5	<input checked="" type="checkbox"/>	100	98.1	98.1
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	241.5	96.6
b QC 250	6	<input checked="" type="checkbox"/>	250	255.2	102.1
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	495.9	99.2
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1020.7	102.1
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1012.7	101.3

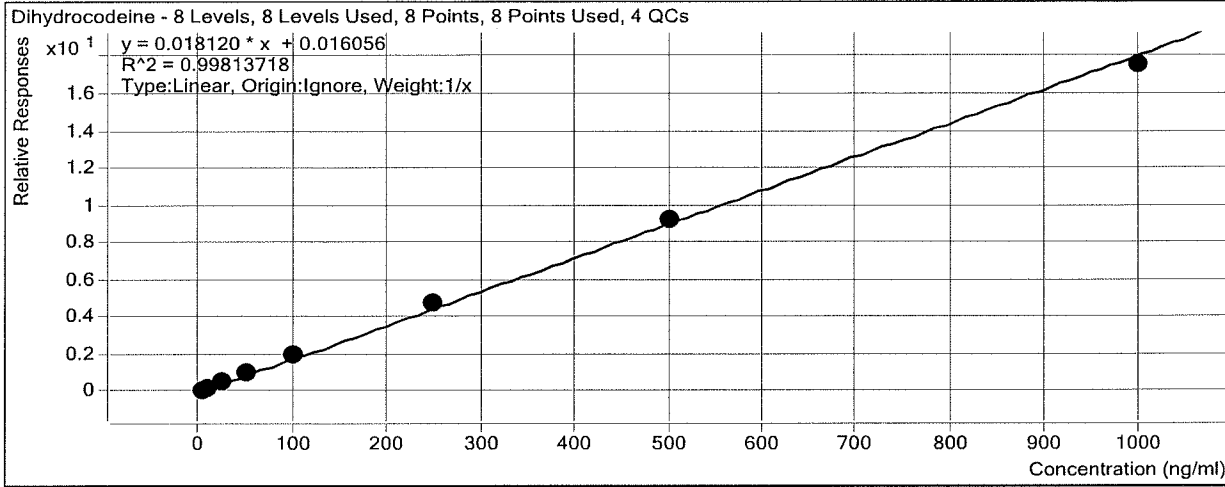
ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdp p1b.batch.bin

Last Calib Update 9/17/2017 9:46 AM

Analyst Name ISP TOX

Target Compound Dihydrocodeine
Internal Standard Dihydrocodeine-D6



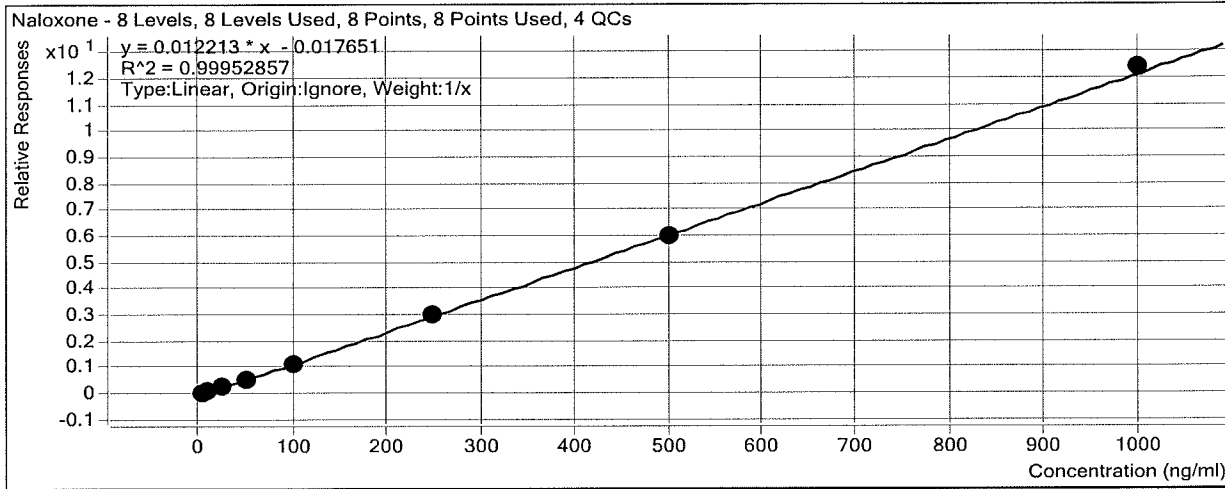
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.1	82.3
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.5	94.5
b QC 10	2	<input checked="" type="checkbox"/>	10	8.9	88.5
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.0	104.2
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.9	105.8
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	110.0	110.0
b qc 100	5	<input checked="" type="checkbox"/>	100	104.3	104.3
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	261.5	104.6
b QC 250	6	<input checked="" type="checkbox"/>	250	261.1	104.4
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	510.2	102.0
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	965.8	96.6
b qc 1000	8	<input checked="" type="checkbox"/>	1000	907.8	90.8

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdp p1b.batch.bin

Last Calib Update 9/17/2017 9:46 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.7	113.1
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.2	101.9
b QC 10	2	<input checked="" type="checkbox"/>	10	11.0	110.3
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.0	95.8
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.8	93.6
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	96.0	96.0
b qc 100	5	<input checked="" type="checkbox"/>	100	104.5	104.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	248.2	99.3
b QC 250	6	<input checked="" type="checkbox"/>	250	270.4	108.2
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	493.7	98.7
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1015.5	101.6
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1114.6	111.5

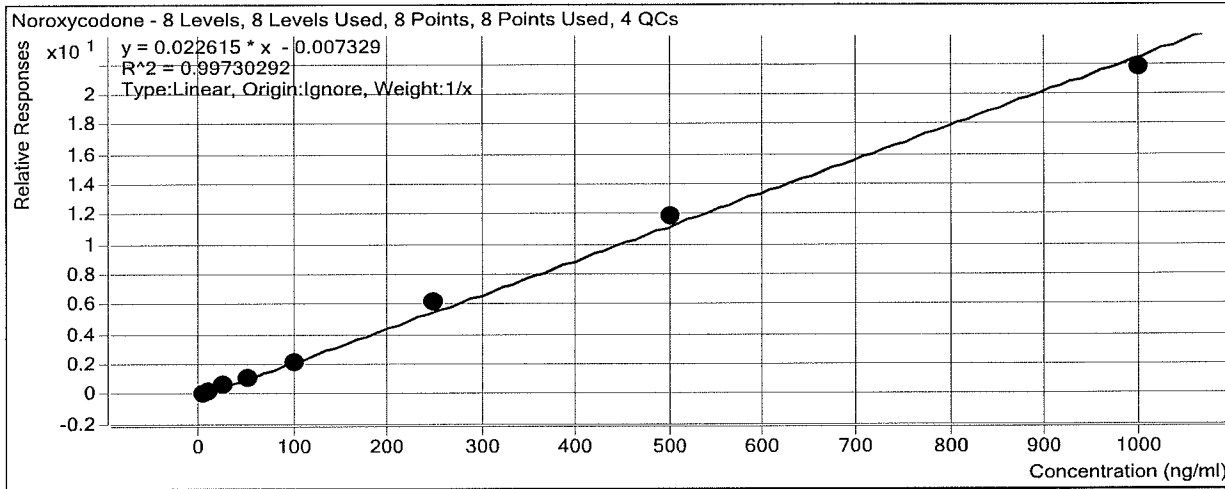
ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdp p1b.batch.bin

Last Calib Update 9/17/2017 9:46 AM

Analyst Name ISP TOX

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



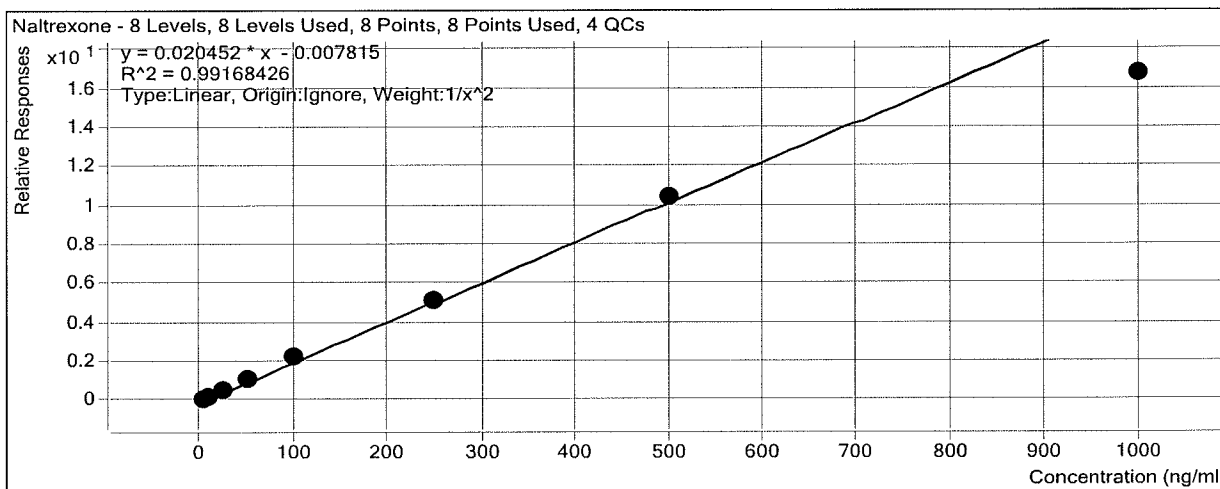
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.7	93.4
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	101.3
b QC 10	2	<input checked="" type="checkbox"/>	10	9.7	97.1
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.1	104.4
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.7	97.4
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	94.2	94.2
b qc 100	5	<input checked="" type="checkbox"/>	100	102.5	102.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	271.3	108.5
b QC 250	6	<input checked="" type="checkbox"/>	250	240.0	96.0
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	523.1	104.6
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	961.8	96.2
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1021.6	102.2

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdp p1b.batch.bin

Last Calib Update 9/17/2017 9:46 AM **Analyst Name** ISP TOX

Target Compound Naltrexone
Internal Standard Naltrexone-D3



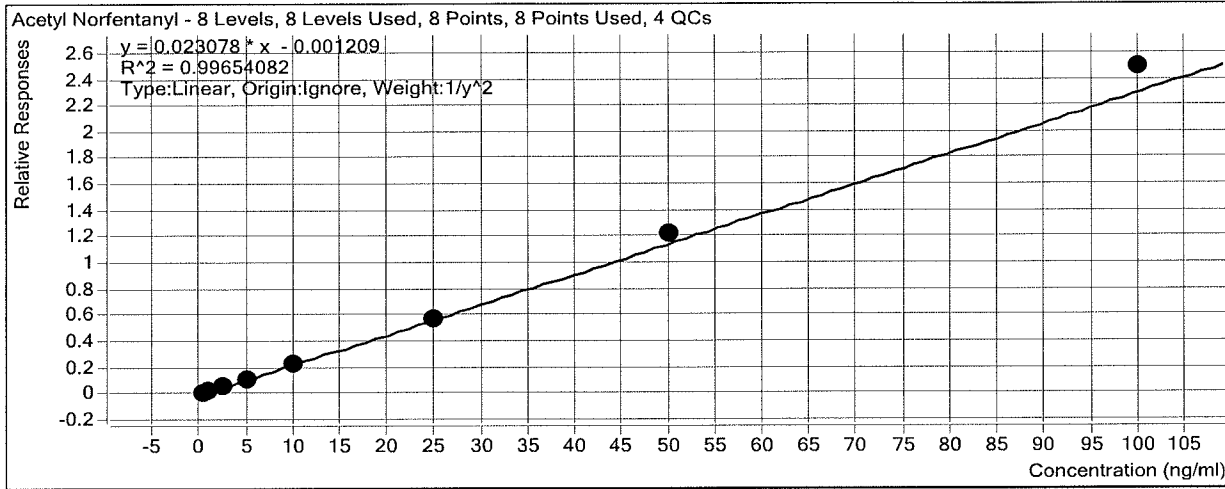
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.9	98.3
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	99.8
b QC 10	2	<input checked="" type="checkbox"/>	10	9.4	94.1
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.3	105.3
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.2	104.3
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	107.2	107.2
b qc 100	5	<input checked="" type="checkbox"/>	100	106.5	106.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	252.7	101.1
b QC 250	6	<input checked="" type="checkbox"/>	250	256.2	102.5
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	511.8	102.4
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	817.1	81.7
b qc 1000	8	<input checked="" type="checkbox"/>	1000	968.8	96.9

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdp p1b.batch.bin

Last Calib Update 9/17/2017 9:46 AM **Analyst Name** ISP TOX

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



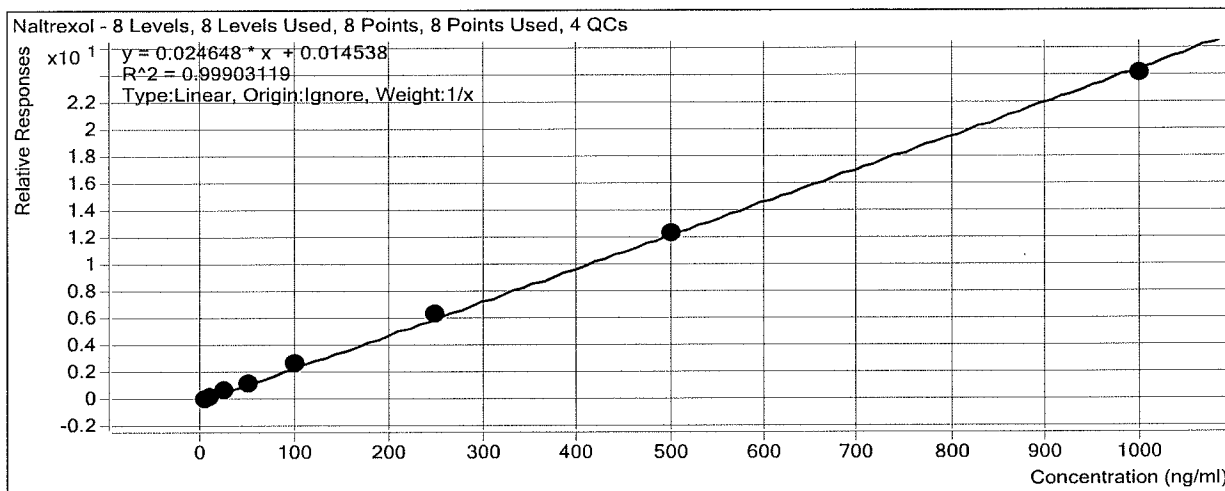
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	0.5	0.5	100.5
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.0	101.5
b QC 10	2	<input checked="" type="checkbox"/>	1	0.9	89.1
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.5	98.6
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.6	91.1
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.8	98.3
b qc 100	5	<input checked="" type="checkbox"/>	10	9.3	93.2
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	25.1	100.3
b QC 250	6	<input checked="" type="checkbox"/>	25	24.6	98.4
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	52.8	105.5
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	107.9	107.9
b qc 1000	8	<input checked="" type="checkbox"/>	100	107.9	107.9

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdp p1b.batch.bin

Last Calib Update 9/17/2017 9:46 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.3	85.4
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	96.3
b QC 10	2	<input checked="" type="checkbox"/>	10	9.5	95.5
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.2	104.7
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.6	103.2
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	109.3	109.3
b qc 100	5	<input checked="" type="checkbox"/>	100	104.1	104.1
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	256.0	102.4
b QC 250	6	<input checked="" type="checkbox"/>	250	250.5	100.2
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	504.1	100.8
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	978.9	97.9
b qc 1000	8	<input checked="" type="checkbox"/>	1000	942.9	94.3

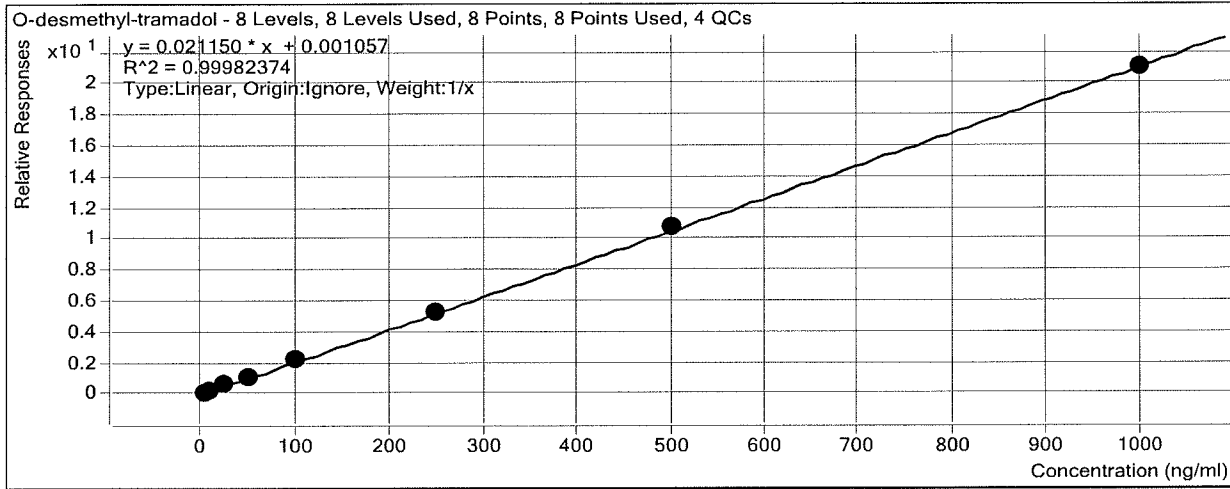
ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdp p1b.batch.bin

Last Calib Update 9/17/2017 9:46 AM

Analyst Name ISP TOX

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



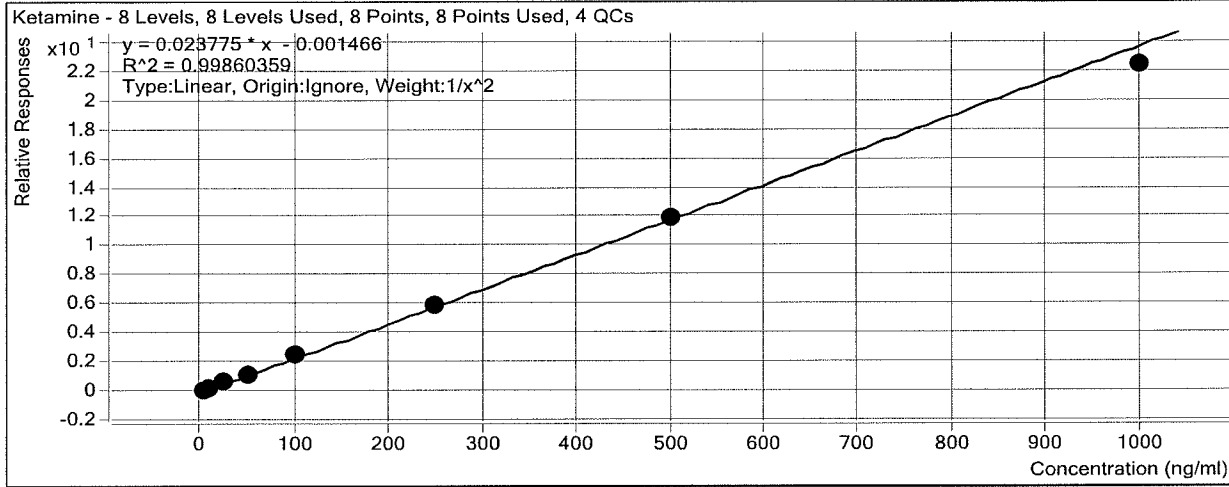
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.8	95.7
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	100.4
b QC 10	2	<input checked="" type="checkbox"/>	10	9.6	95.6
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.0	103.9
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.2	98.3
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.1	102.1
b qc 100	5	<input checked="" type="checkbox"/>	100	99.7	99.7
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	246.6	98.6
b QC 250	6	<input checked="" type="checkbox"/>	250	249.9	99.9
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	507.7	101.5
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	993.7	99.4
b qc 1000	8	<input checked="" type="checkbox"/>	1000	999.8	100.0

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdp p1b.batch.bin

Last Calib Update 9/17/2017 9:46 AM **Analyst Name** ISP TOX

Target Compound Ketamine
Internal Standard Ketamine-D4



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.9	98.8
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	101.1
b QC 10	2	<input checked="" type="checkbox"/>	10	9.3	92.7
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.8	103.1
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.1	98.1
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	104.6	104.6
b qc 100	5	<input checked="" type="checkbox"/>	100	100.8	100.8
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	250.8	100.3
b QC 250	6	<input checked="" type="checkbox"/>	250	250.2	100.1
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	499.9	100.0
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	939.6	94.0
b qc 1000	8	<input checked="" type="checkbox"/>	1000	993.9	99.4

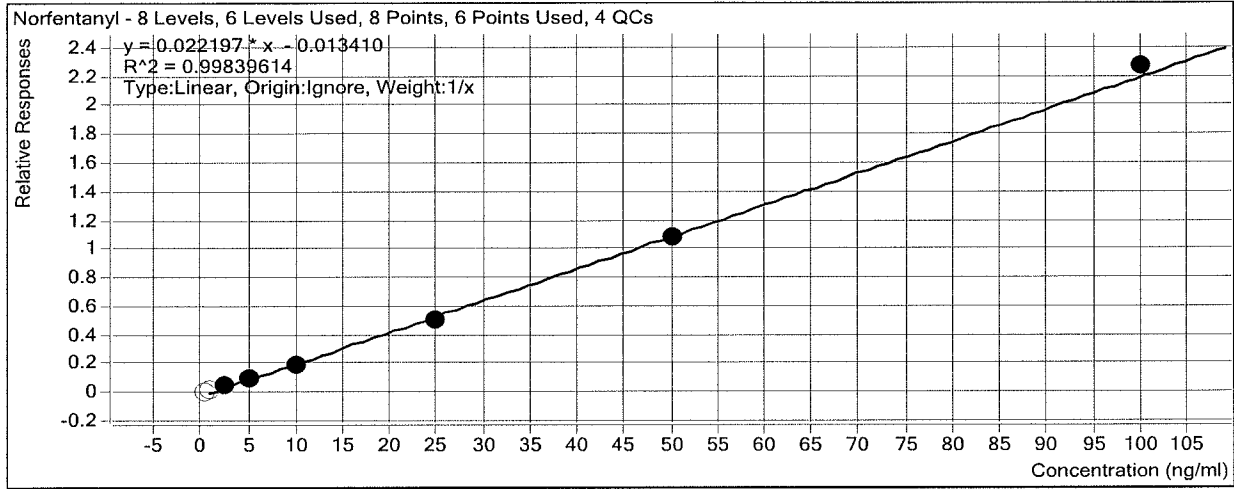
ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdp p1b.batch.bin

Last Calib Update 9/17/2017 9:46 AM

Analyst Name ISP TOX

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



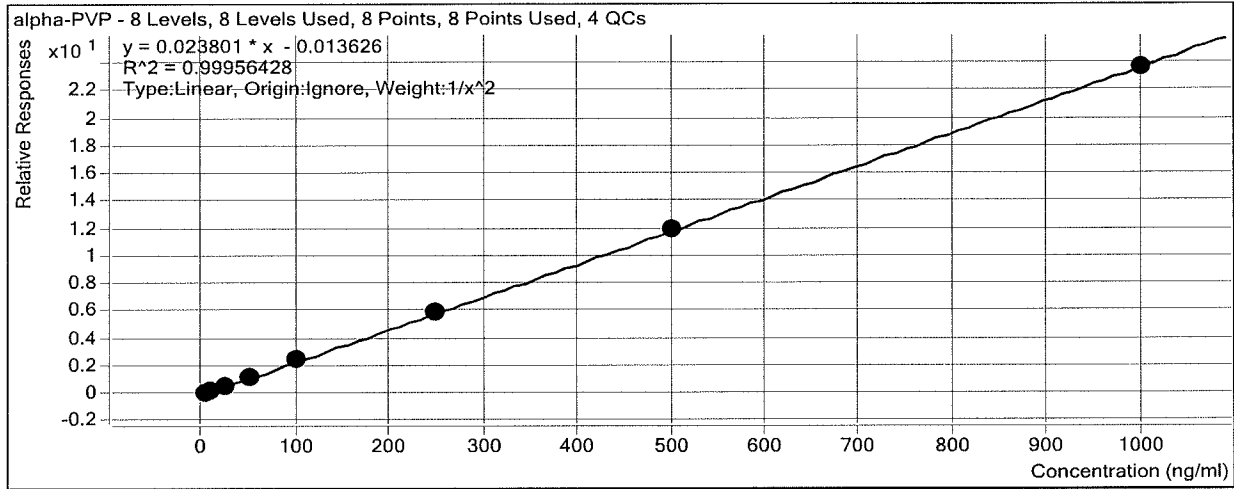
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input type="checkbox"/>	0.5	1.0	199.6
b cal 2-10ng	2	<input type="checkbox"/>	1	1.4	138.6
b QC 10	2	<input type="checkbox"/>	1	1.4	137.3
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.8	110.2
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	5.0	100.2
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.5	94.9
b qc 100	5	<input checked="" type="checkbox"/>	10	9.2	91.9
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	23.5	94.0
b QC 250	6	<input checked="" type="checkbox"/>	25	23.1	92.6
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	49.1	98.1
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	102.7	102.7
b qc 1000	8	<input checked="" type="checkbox"/>	100	101.0	101.0

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdp p1b.batch.bin

Last Calib Update 9/17/2017 9:46 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	99.4
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	100.4
b QC 10	2	<input checked="" type="checkbox"/>	10	10.1	100.9
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.8	103.0
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.7	97.4
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.0	102.0
b qc 100	5	<input checked="" type="checkbox"/>	100	100.3	100.3
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	246.3	98.5
b QC 250	6	<input checked="" type="checkbox"/>	250	250.1	100.0
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	499.9	100.0
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	993.6	99.4
b qc 1000	8	<input checked="" type="checkbox"/>	1000	987.5	98.7

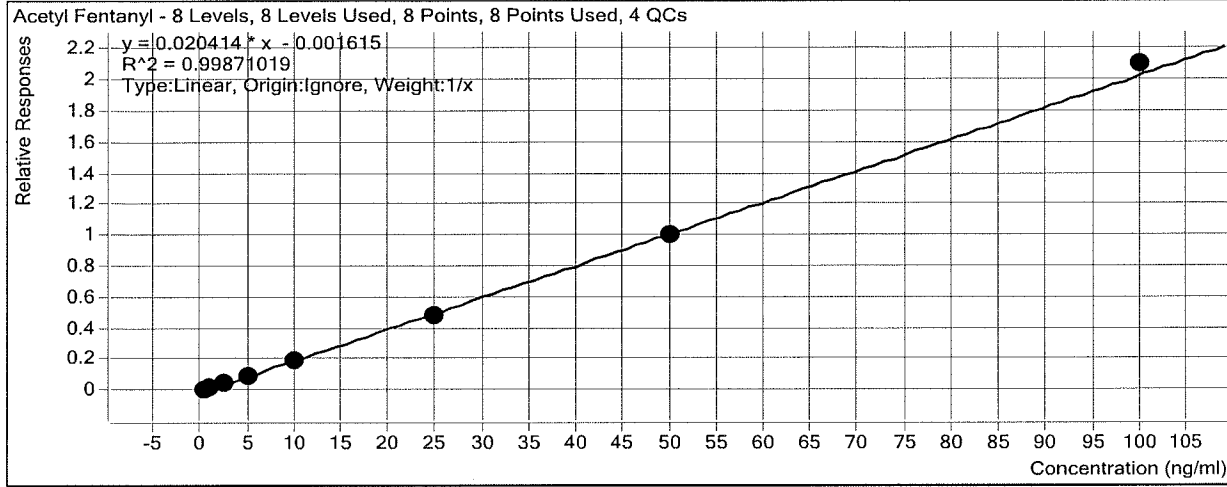
ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdp p1b.batch.bin

Last Calib Update 9/17/2017 9:46 AM

Analyst Name ISP TOX

Target Compound Acetyl Fentanyl
Internal Standard Acetyl Fentanyl-D5



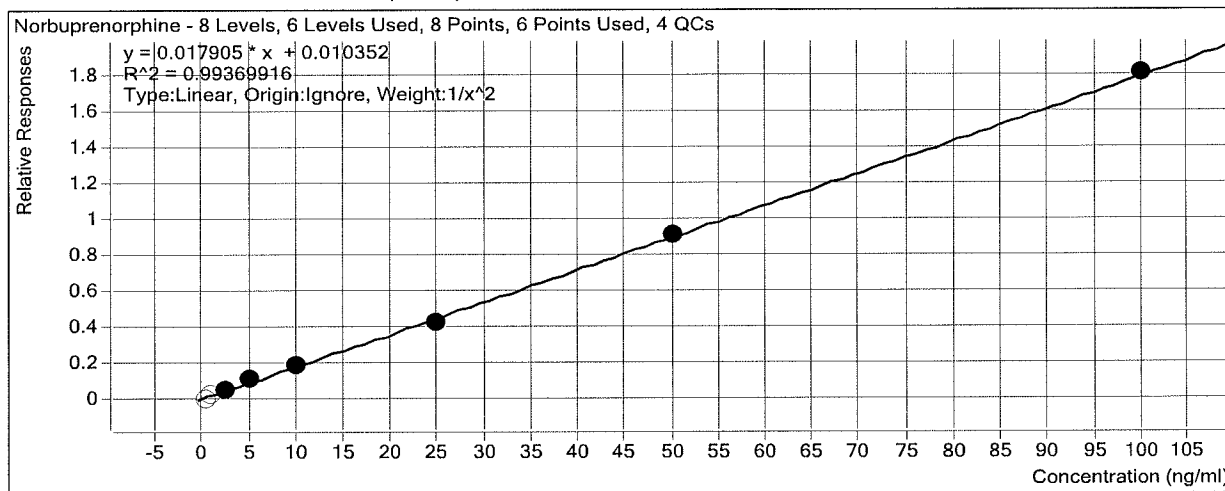
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	0.5	0.6	115.8
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.0	101.8
b QC 10	2	<input checked="" type="checkbox"/>	1	1.0	95.3
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.4	96.4
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.7	95.0
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.5	95.5
b qc 100	5	<input checked="" type="checkbox"/>	10	9.3	93.3
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	23.5	94.2
b QC 250	6	<input checked="" type="checkbox"/>	25	23.7	94.8
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	49.3	98.5
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	102.9	102.9
b qc 1000	8	<input checked="" type="checkbox"/>	100	99.6	99.6

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdp p1b.batch.bin

Last Calib Update 9/17/2017 9:46 AM **Analyst Name** ISP TOX

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



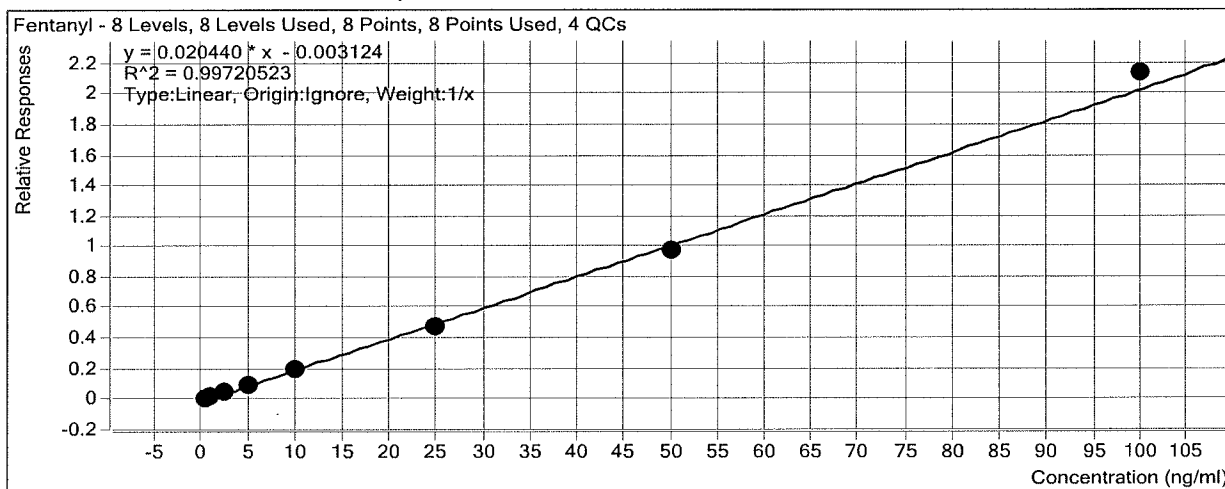
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input type="checkbox"/>	0.5	0.0	0.0
b cal 2-10ng	2	<input type="checkbox"/>	1	0.8	82.6
b QC 10	2	<input type="checkbox"/>	1	0.5	52.2
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.4	95.1
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	5.6	111.7
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.8	98.4
b qc 100	5	<input checked="" type="checkbox"/>	10	10.5	104.6
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	23.4	93.8
b QC 250	6	<input checked="" type="checkbox"/>	25	28.1	112.4
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	50.3	100.6
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	100.3	100.3
b qc 1000	8	<input checked="" type="checkbox"/>	100	118.9	118.9

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdp p1b.batch.bin

Last Calib Update 9/17/2017 9:46 AM **Analyst Name** ISP TOX

Target Compound Fentanyl
Internal Standard Fentanyl-D5



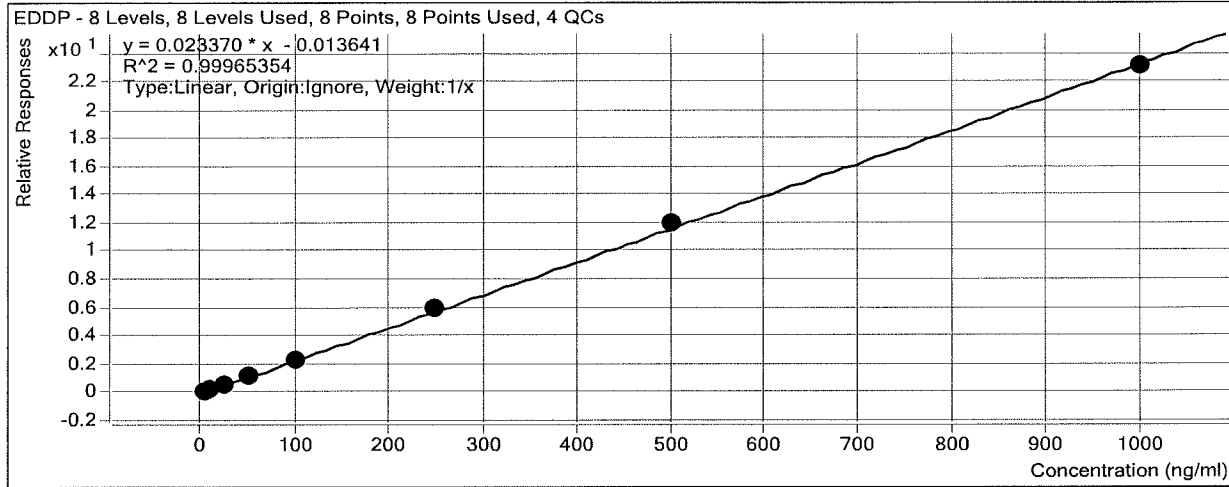
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	0.5	0.6	118.8
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.1	106.4
b QC 10	2	<input checked="" type="checkbox"/>	1	1.0	96.5
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.4	96.6
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.5	89.2
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.5	95.0
b qc 100	5	<input checked="" type="checkbox"/>	10	9.8	97.7
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	23.3	93.3
b QC 250	6	<input checked="" type="checkbox"/>	25	24.1	96.4
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	48.1	96.2
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	104.5	104.5
b qc 1000	8	<input checked="" type="checkbox"/>	100	117.7	117.7

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdp p1b.batch.bin

Last Calib Update 9/17/2017 9:46 AM **Analyst Name** ISP TOX

Target Compound EDDP
Internal Standard EDDP-D3



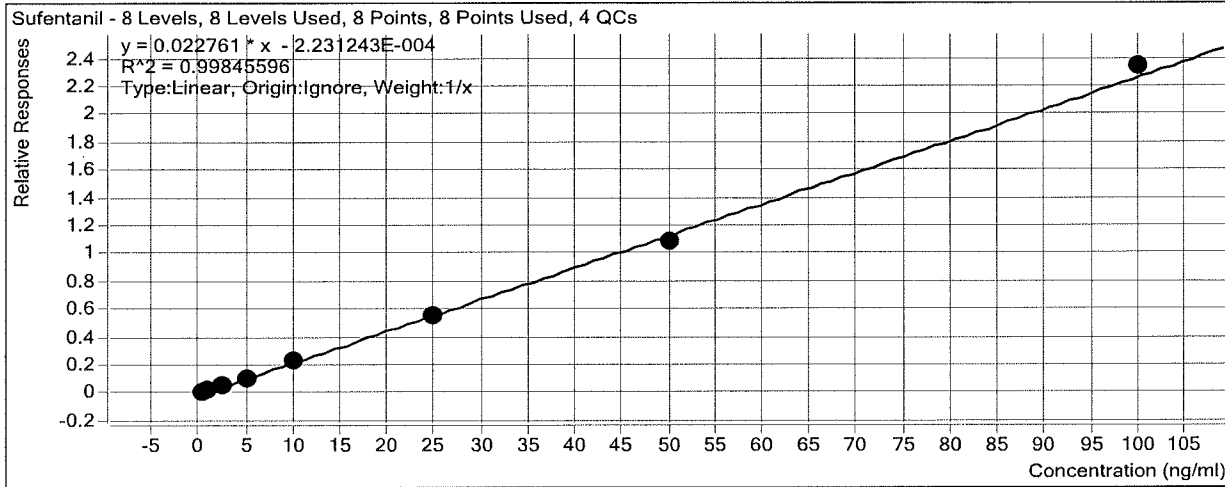
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	101.1
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.2	102.1
b QC 10	2	<input checked="" type="checkbox"/>	10	8.6	86.5
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.6	98.5
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.7	97.4
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.9	98.9
b qc 100	5	<input checked="" type="checkbox"/>	100	95.1	95.1
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	251.1	100.4
b QC 250	6	<input checked="" type="checkbox"/>	250	243.1	97.2
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	514.0	102.8
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	987.4	98.7
b qc 1000	8	<input checked="" type="checkbox"/>	1000	998.2	99.8

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdp p1b.batch.bin

Last Calib Update 9/17/2017 9:46 AM **Analyst Name** ISP TOX

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



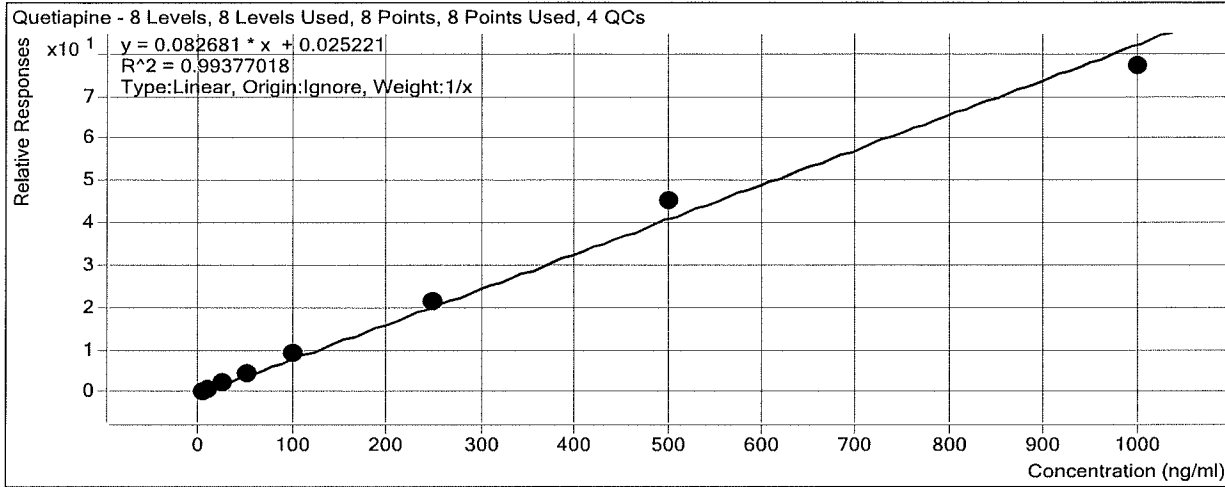
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	0.5	0.5	98.4
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.1	107.9
b QC 10	2	<input checked="" type="checkbox"/>	1	1.0	104.3
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.5	101.3
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.6	91.9
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	10.5	104.8
b qc 100	5	<input checked="" type="checkbox"/>	10	9.6	96.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	24.5	97.8
b QC 250	6	<input checked="" type="checkbox"/>	25	24.3	97.3
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	47.6	95.1
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	102.8	102.8
b qc 1000	8	<input checked="" type="checkbox"/>	100	112.7	112.7

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdp p1b.batch.bin

Last Calib Update 9/17/2017 9:46 AM **Analyst Name** ISP TOX

Target Compound Quetiapine
Internal Standard Quetiapine-D8



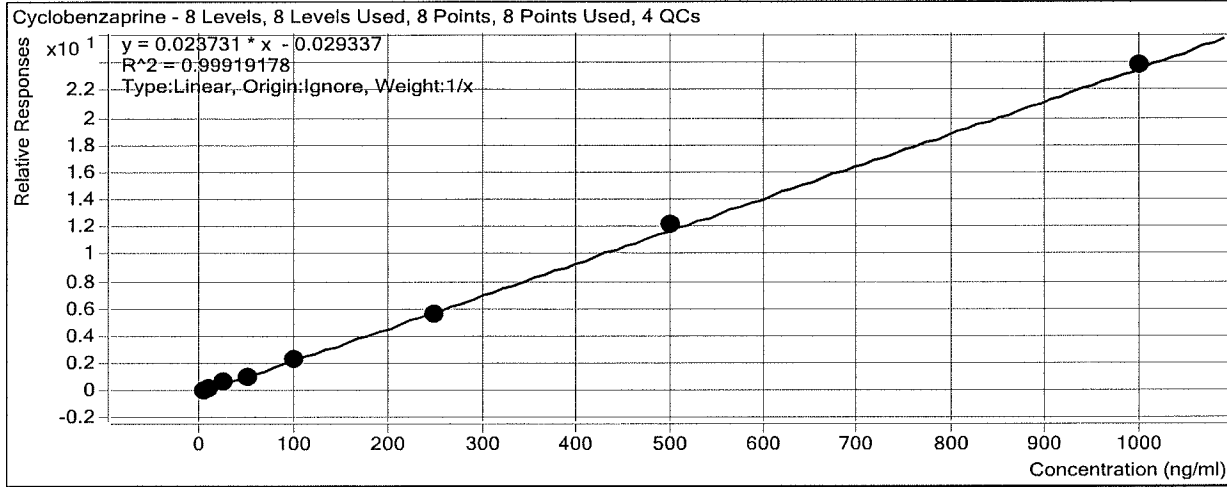
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.4	88.9
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.3	93.4
b QC 10	2	<input checked="" type="checkbox"/>	10	9.1	90.6
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.9	99.5
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.2	102.4
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	109.1	109.1
b qc 100	5	<input checked="" type="checkbox"/>	100	98.8	98.8
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	258.4	103.4
b QC 250	6	<input checked="" type="checkbox"/>	250	254.4	101.7
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	550.9	110.2
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	931.7	93.2
b qc 1000	8	<input checked="" type="checkbox"/>	1000	917.9	91.8

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdp p1b.batch.bin

Last Calib Update 9/17/2017 9:46 AM **Analyst Name** ISP TOX

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



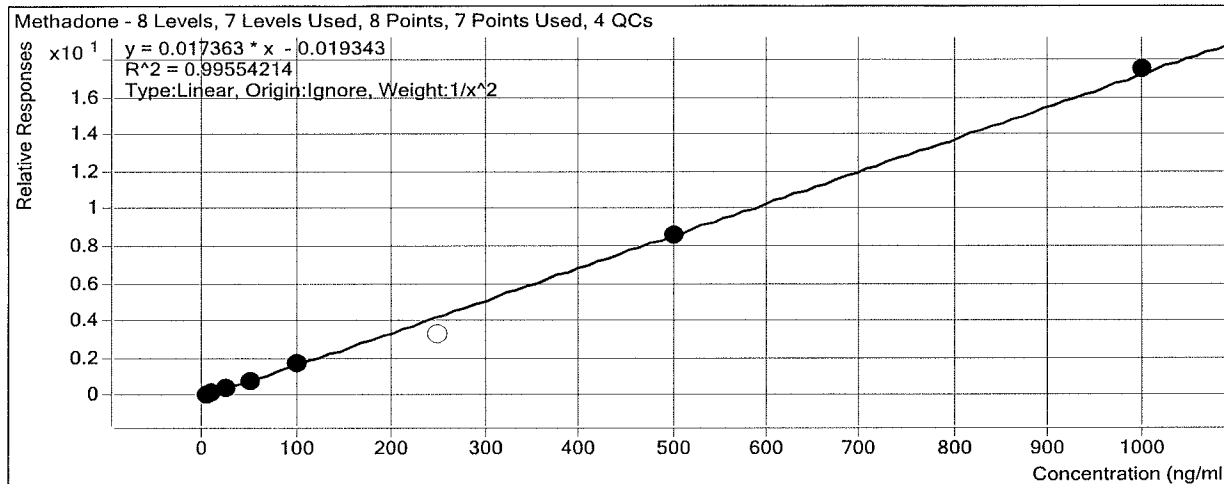
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	103.8
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.2	102.1
b QC 10	2	<input checked="" type="checkbox"/>	10	10.2	102.3
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.6	106.2
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.0	92.0
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.0	98.0
b qc 100	5	<input checked="" type="checkbox"/>	100	94.7	94.7
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	237.4	94.9
b QC 250	6	<input checked="" type="checkbox"/>	250	239.7	95.9
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	512.4	102.5
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1004.3	100.4
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1016.1	101.6

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdp p1b.batch.bin

Last Calib Update 9/17/2017 9:46 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.8	95.4
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	11.0	109.8
b QC 10	2	<input checked="" type="checkbox"/>	10	10.7	106.7
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.6	102.4
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	45.8	91.7
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.9	100.9
b qc 100	5	<input checked="" type="checkbox"/>	100	101.4	101.4
b cal 6-250ng	6	<input type="checkbox"/>	250	189.3	75.7
b QC 250	6	<input type="checkbox"/>	250	241.3	96.5
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	494.7	98.9
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1009.0	100.9
b qc 1000	8	<input checked="" type="checkbox"/>	1000	984.7	98.5

ISP Forensics Calibration Curve Report

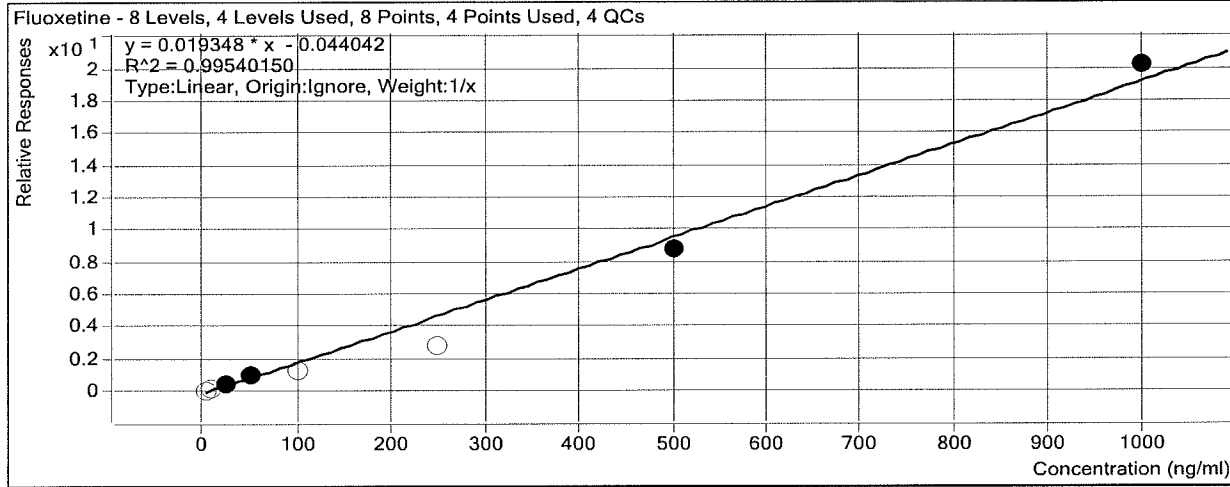
Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdp p1b.batch.bin

Last Calib Update 9/17/2017 9:46 AM

Analyst Name ISP TOX

Target Compound Fluoxetine

Internal Standard Fluoxetine-D6



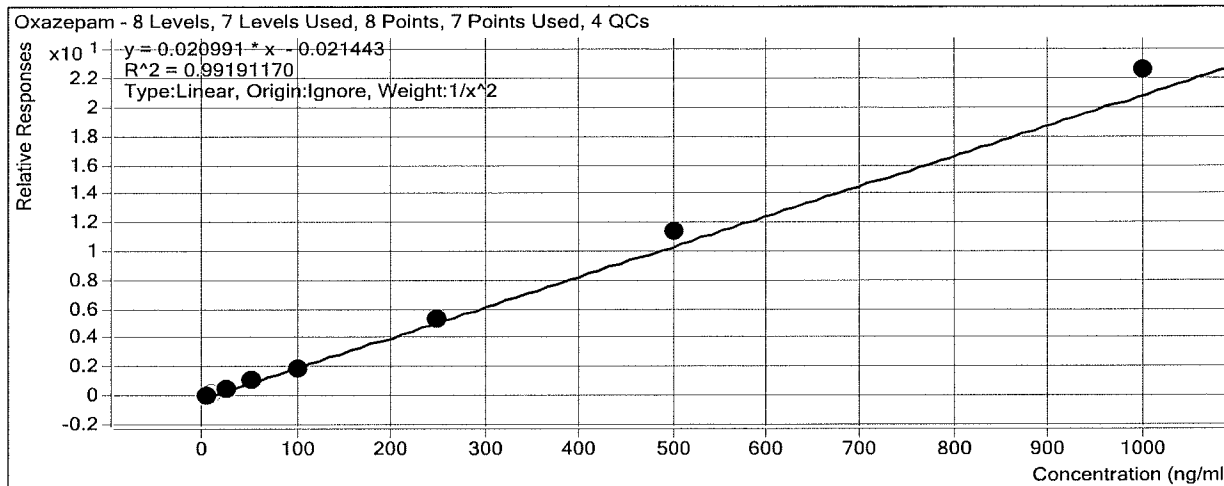
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input type="checkbox"/>	5	5.0	100.0
b cal 2-10ng	2	<input type="checkbox"/>	10	7.5	75.2
b QC 10	2	<input type="checkbox"/>	10	11.2	112.2
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.2	105.0
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.8	99.6
b cal 5-100ng	5	<input type="checkbox"/>	100	64.5	64.5
b qc 100	5	<input type="checkbox"/>	100	107.1	107.1
b cal 6-250ng	6	<input type="checkbox"/>	250	149.3	59.7
b QC 250	6	<input type="checkbox"/>	250	218.8	87.5
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	454.8	91.0
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1044.2	104.4
b qc 1000	8	<input checked="" type="checkbox"/>	1000	981.0	98.1

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdp p1b.batch.bin

Last Calib Update 9/17/2017 9:46 AM **Analyst Name** ISP TOX

Target Compound Oxazepam
Internal Standard Oxazepam-D5

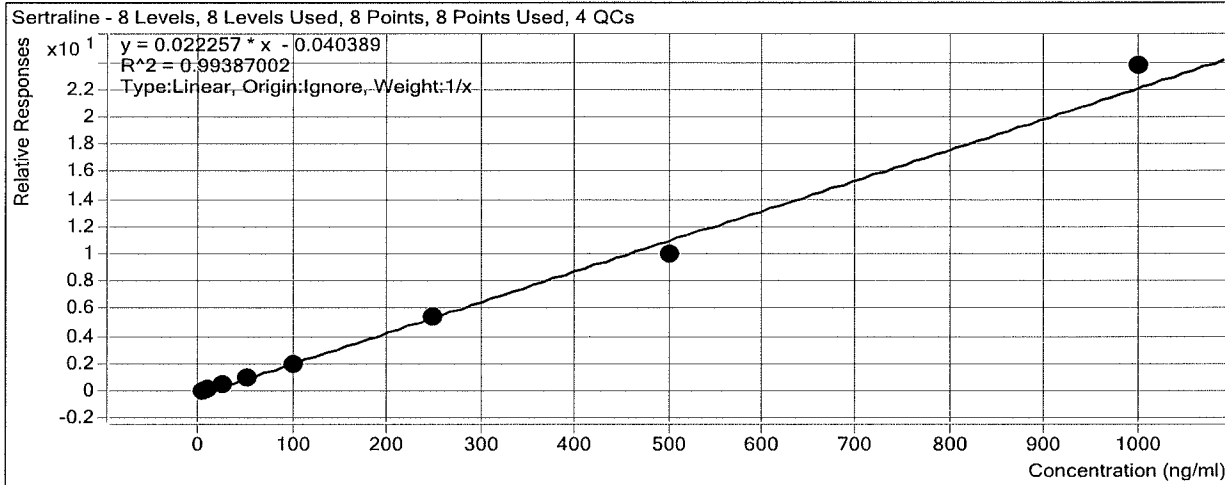


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.4
b cal 2-10ng	2	<input type="checkbox"/>	10	9.7	97.2
b QC 10	2	<input type="checkbox"/>	10	11.0	109.8
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.3	89.2
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.4	102.7
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	87.5	87.5
b qc 100	5	<input checked="" type="checkbox"/>	100	102.4	102.4
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	255.6	102.2
b QC 250	6	<input checked="" type="checkbox"/>	250	264.7	105.9
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	542.4	108.5
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1075.9	107.6
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1120.9	112.1

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdp p1b.batch.bin
Last Calib Update 9/17/2017 9:46 AM **Analyst Name** ISP TOX

Target Compound Sertraline
Internal Standard Sertraline-D3



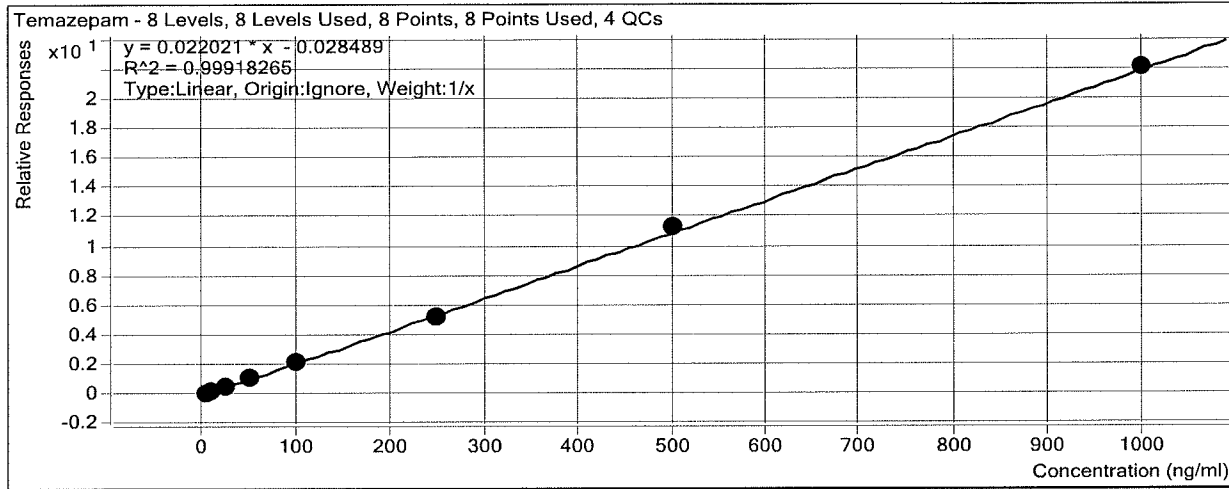
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.8	115.1
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.4	104.4
b QC 10	2	<input checked="" type="checkbox"/>	10	11.0	109.9
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.1	96.3
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.7	99.5
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	90.5	90.5
b qc 100	5	<input checked="" type="checkbox"/>	100	82.4	82.4
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	244.9	98.0
b QC 250	6	<input checked="" type="checkbox"/>	250	125.2	50.1
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	448.3	89.7
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1066.3	106.6
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1000.1	100.0

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdp p1b.batch.bin

Last Calib Update 9/17/2017 9:46 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.3	107.0
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.2	102.2
b QC 10	2	<input checked="" type="checkbox"/>	10	10.0	99.6
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.6	98.4
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.1	96.3
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.0	99.0
b qc 100	5	<input checked="" type="checkbox"/>	100	90.9	90.9
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	234.8	93.9
b QC 250	6	<input checked="" type="checkbox"/>	250	236.1	94.4
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	514.1	102.8
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1003.8	100.4
b qc 1000	8	<input checked="" type="checkbox"/>	1000	955.7	95.6

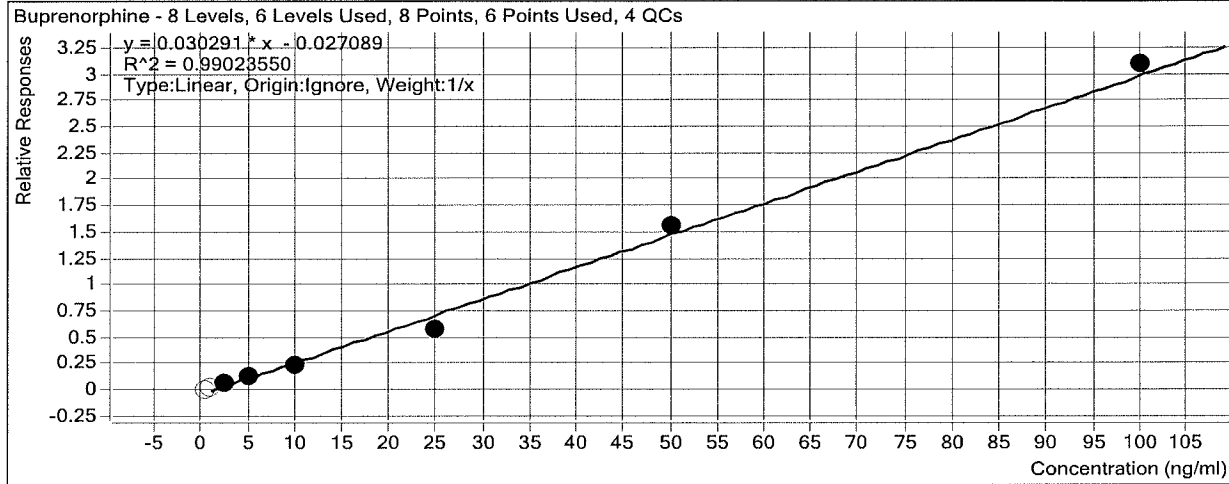
ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdp p1b.batch.bin

Last Calib Update 9/17/2017 9:46 AM

Analyst Name ISP TOX

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



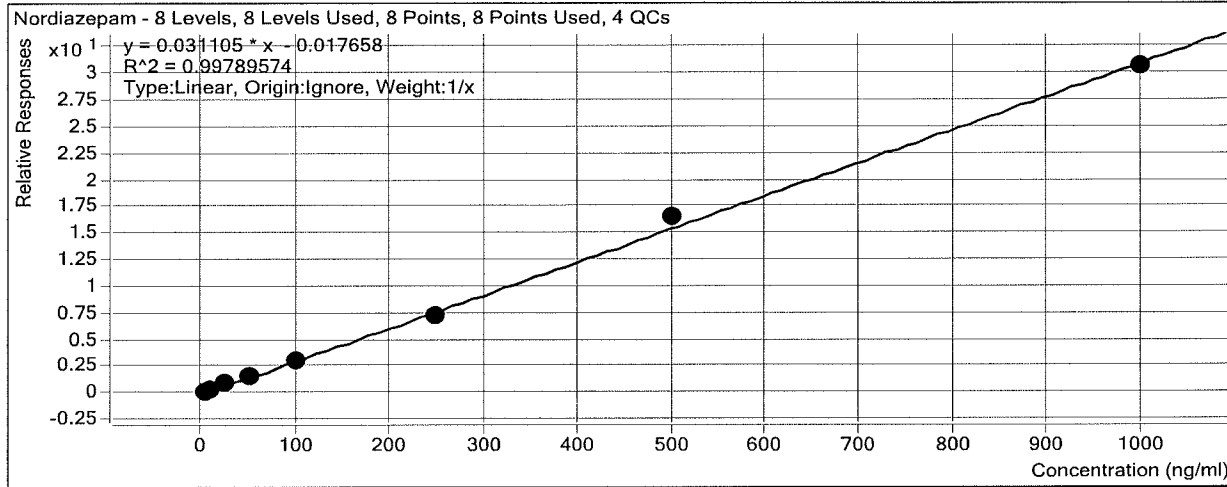
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input type="checkbox"/>	0.5	1.2	237.7
b cal 2-10ng	2	<input type="checkbox"/>	1	1.6	160.8
b QC 10	2	<input type="checkbox"/>	1	1.7	166.1
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	3.1	122.2
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	5.1	102.2
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	8.7	87.0
b qc 100	5	<input checked="" type="checkbox"/>	10	8.1	81.1
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	20.2	80.7
b QC 250	6	<input checked="" type="checkbox"/>	25	21.9	87.7
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	52.5	105.0
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	103.0	103.0
b qc 1000	8	<input checked="" type="checkbox"/>	100	121.5	121.5

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdp p1b.batch.bin

Last Calib Update 9/17/2017 9:46 AM **Analyst Name** ISP TOX

Target Compound Nordiazepam
Internal Standard Nordiazepam-D5



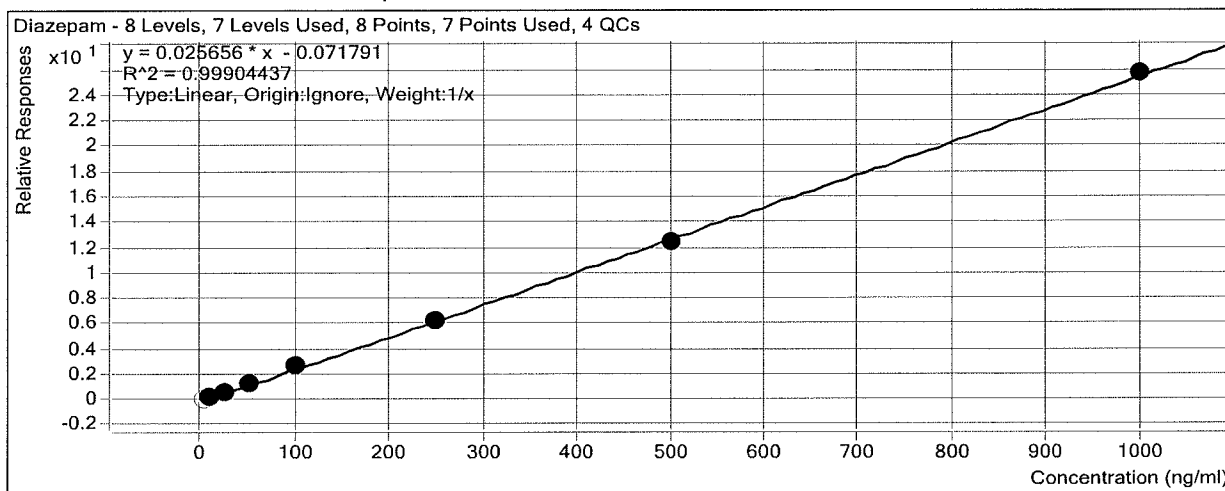
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	99.7
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	100.5
b QC 10	2	<input checked="" type="checkbox"/>	10	9.6	96.4
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.4	105.5
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.7	99.4
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	95.8	95.8
b qc 100	5	<input checked="" type="checkbox"/>	100	98.3	98.3
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	234.7	93.9
b QC 250	6	<input checked="" type="checkbox"/>	250	237.9	95.2
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	533.9	106.8
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	984.5	98.4
b qc 1000	8	<input checked="" type="checkbox"/>	1000	882.7	88.3

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdp p1b.batch.bin

Last Calib Update 9/17/2017 9:46 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input type="checkbox"/>	5	6.7	134.6
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	8.0	79.5
b QC 10	2	<input checked="" type="checkbox"/>	10	12.3	123.5
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	27.3	109.1
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	54.8	109.6
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	104.6	104.6
b qc 100	5	<input checked="" type="checkbox"/>	100	103.5	103.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	247.3	98.9
b QC 250	6	<input checked="" type="checkbox"/>	250	250.0	100.0
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	489.1	97.8
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1004.0	100.4
b qc 1000	8	<input checked="" type="checkbox"/>	1000	960.3	96.0

ISP FORENSICS - Cd'A Instrument # 62340

Multi-Drug Confirmatory Analysis Report

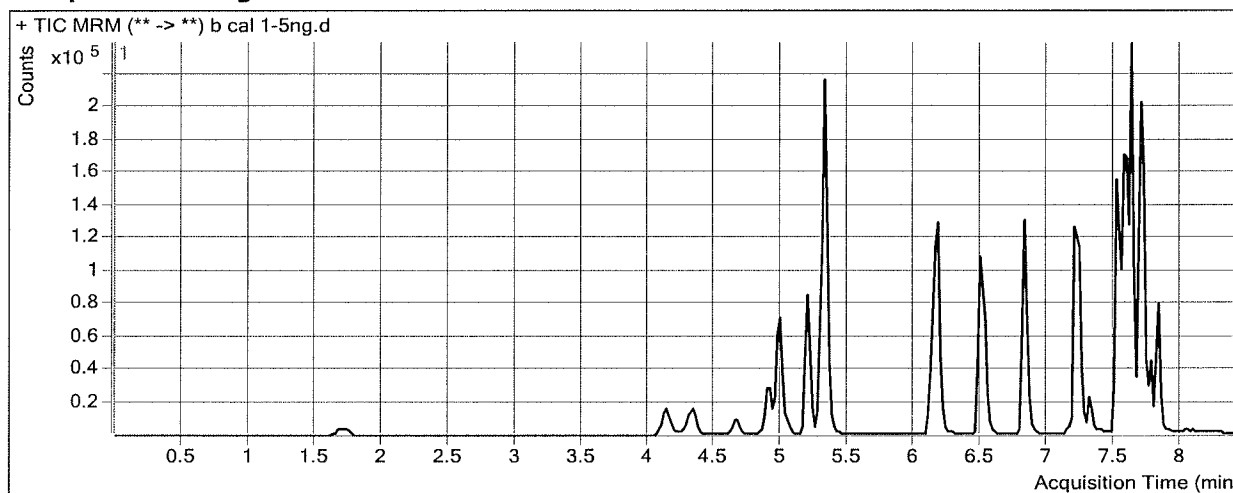
b cal 1

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdp p1b.batch.bin
Analysis Time 9/17/2017 9:46 AM **Analyst Name** ISP Tox
Report Time 9/17/2017 10:04 AM **Reporter Name** ISP Tox
Last Calib Update 9/17/2017 9:46 AM **Batch State** Processed

Analysis Info

Acq Time 2017-09-14 15:36 **Data File** b cal 1-5ng.d
Sample Type Calibration **Sample Name** b cal 1-5ng
Dilution 1 **Acq Method** Quant Panel 1b 8-8-2017.m
Position P1-A1 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.708	2911	29088	0.1001	5.5554
Dihydrocodeine	Dihydrocodeine-D6	4.170	6309	69637	0.0906	4.1136
Naloxone	Naloxone-D5	4.386	3551	69044	0.0514	5.6564
Noroxycodone	Noroxycodone-D3	4.696	3859	39252	0.0983	4.6713
Naltrexone	Naltrexone-D3	4.909	8363	90206	0.0927	4.9154
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.044	2572	247662	0.0104	0.5024
Naltrexol	Naltrexol-D3	5.188	25646	214142	0.1198	4.2692
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.321	59643	583245	0.1023	4.7850
Ketamine	Ketamine-D4	6.135	20005	172468	0.1160	4.9404
Norfentanyl	Norfentanyl-D5	6.200	2819	322654	0.0087	0.9978
alpha-PVP	alpha-PVP-d8	6.506	28795	275115	0.1047	4.9700
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.838	3614	354117	0.0102	0.5790
Norbuprenorphine	Norbuprenorphine-D3	7.173	60	10431	0.0057	0.0000
Fentanyl	Fentanyl-D5	7.218	3175	352167	0.0090	0.5939
EDDP	EDDP-D3	7.308	4106	39282	0.1045	5.0562
Sufentanil	Sufentanil-D5	7.518	2280	207825	0.0110	0.4918
Quetiapine	Quetiapine-D8	7.519	48215	122801	0.3926	4.4437
Cyclobenzaprine	Cyclobenzaprine-D3	7.552	11850	126313	0.0938	5.1897
Methadone	Methadone-D9	7.582	22625	356280	0.0635	4.7715
Fluoxetine	Fluoxetine-D6	7.644	22798	432464	0.0527	5.0010
Oxazepam	Oxazepam-D5	7.648	5350	62218	0.0860	5.1177
Sertraline	Sertraline-D3	7.685	9168	104518	0.0877	5.7555
Temazepam	Temazepam-D5	7.707	23067	258260	0.0893	5.3496

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

b cal 1

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Buprenorphine	Buprenorphine-D4	7.756	710	79613	0.0089	1.1886
Nordiazepam	Nordiazepam-D5	7.774	9970	72554	0.1374	4.9854
Diazepam	Diazepam-D5	7.830	14670	145398	0.1009	6.7309



ISP FORENSICS - Cd'A Instrument # 62340

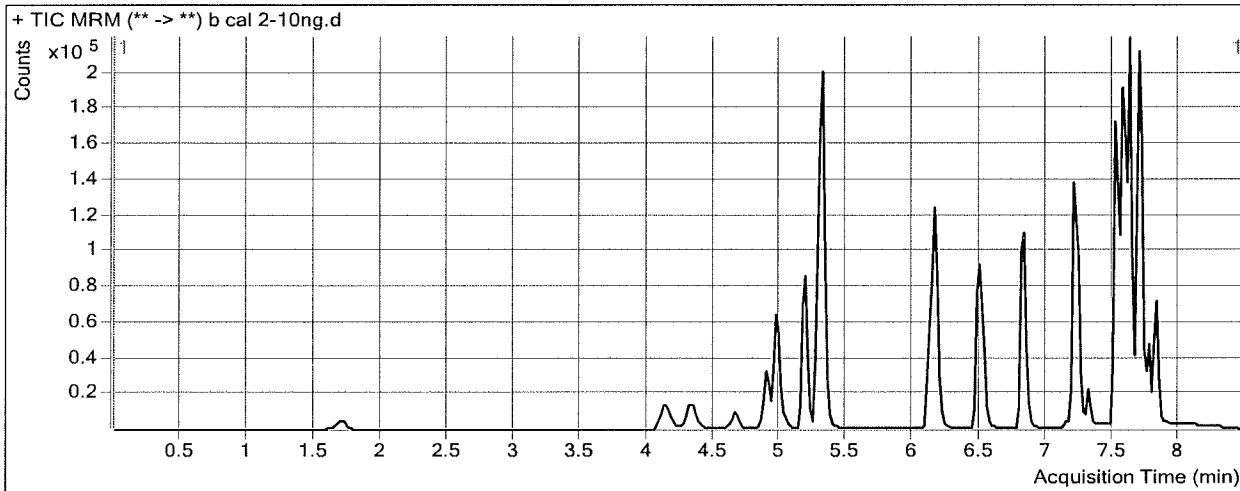
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdp p1b.batch.bin
Analysis Time 9/17/2017 9:46 AM **Analyst Name** ISP Tox
Report Time 9/17/2017 10:04 AM **Reporter Name** ISP Tox
Last Calib Update 9/17/2017 9:46 AM **Batch State** Processed

Analysis Info

Acq Time 2017-09-14 16:02 **Data File** b cal 2-10ng.d
Sample Type Calibration **Sample Name** b cal 2-10ng
Dilution 1 **Acq Method** Quant Panel 1b 8-8-2017.m
Position P1-B1 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.708	5819	26724	0.2177	10.5533
Dihydrocodeine	Dihydrocodeine-D6	4.170	11899	63524	0.1873	9.4511
Naloxone	Naloxone-D5	4.386	6761	63274	0.1069	10.1946
Noroxycodone	Noroxycodone-D3	4.696	7375	33271	0.2217	10.1265
Naltrexone	Naltrexone-D3	4.909	16237	82725	0.1963	9.9790
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.044	4897	220515	0.0222	1.0148
Naltrexol	Naltrexol-D3	5.188	50191	199233	0.2519	9.6310
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.321	112469	527031	0.2134	10.0398
Ketamine	Ketamine-D4	6.135	37116	155373	0.2389	10.1093
Norfentanyl	Norfentanyl-D5	6.182	4904	282522	0.0174	1.3862
alpha-PVP	alpha-PVP-d8	6.506	50054	222163	0.2253	10.0386
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.818	6407	334395	0.0192	1.0176
Norbuprenorphine	Norbuprenorphine-D3	7.154	251	9986	0.0251	0.8263
Fentanyl	Fentanyl-D5	7.218	6382	342827	0.0186	1.0637
EDDP	EDDP-D3	7.308	6731	29935	0.2249	10.2053
Sufentanil	Sufentanil-D5	7.518	4817	197925	0.0243	1.0791
Quetiapine	Quetiapine-D8	7.519	87602	109819	0.7977	9.3428
Cyclobenzaprine	Cyclobenzaprine-D3	7.552	24954	117129	0.2130	10.2139
Methadone	Methadone-D9	7.582	54742	319711	0.1712	10.9757
Fluoxetine	Fluoxetine-D6	7.644	39748	391752	0.1015	7.5205
Oxazepam	Oxazepam-D5	7.648	10084	55210	0.1826	9.7224
Sertraline	Sertraline-D3	7.685	17802	92736	0.1920	10.4393
Temazepam	Temazepam-D5	7.707	47540	241907	0.1965	10.2181

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

b cal 2

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Buprenorphine	Buprenorphine-D4	7.756	1517	70138	0.0216	1.6083
Nordiazepam	Nordiazepam-D5	7.774	18816	63819	0.2948	10.0465
Diazepam	Diazepam-D5	7.850	17740	134140	0.1323	7.9530



ISP FORENSICS - Cd'A Instrument # 62340

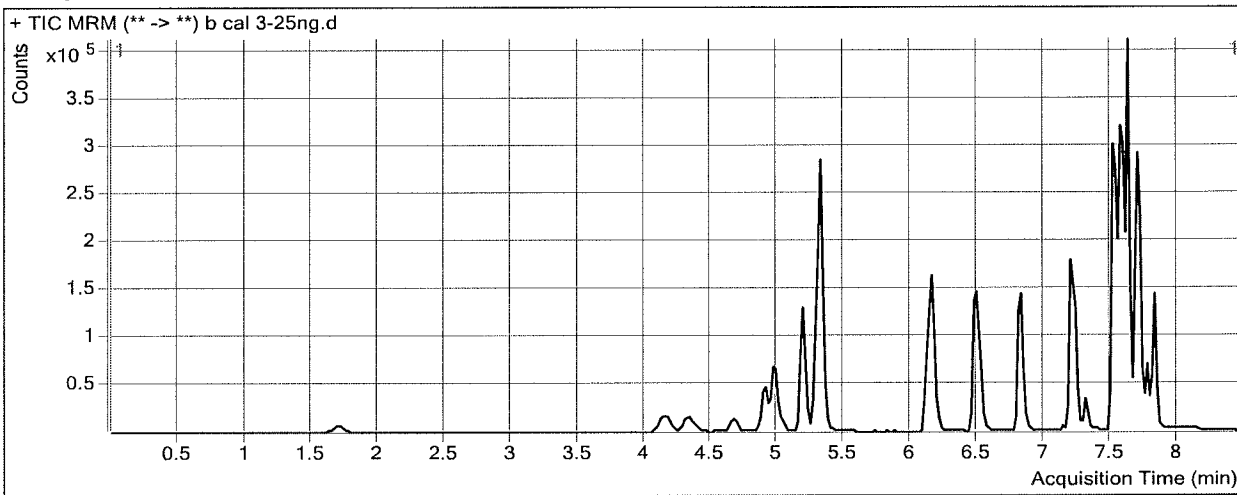
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdp p1b.batch.bin
Analysis Time 9/17/2017 9:46 AM **Analyst Name** ISP Tox
Report Time 9/17/2017 10:04 AM **Reporter Name** ISP Tox
Last Calib Update 9/17/2017 9:46 AM **Batch State** Processed

Analysis Info

Acq Time 2017-09-14 16:27 **Data File** b cal 3-25ng.d
Sample Type Calibration **Sample Name** b cal 3-25ng
Dilution 1 **Acq Method** Quant Panel 1b 8-8-2017.m
Position P1-C1 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



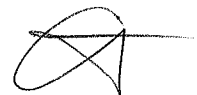
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.728	15386	28360	0.5425	24.3501
Dihydrocodeine	Dihydrocodeine-D6	4.170	33083	67789	0.4880	26.0471
Naloxone	Naloxone-D5	4.386	18375	66845	0.2749	23.9536
Noroxycodone	Noroxycodone-D3	4.696	20488	35157	0.5828	26.0930
Naltrexone	Naltrexone-D3	4.909	45115	85052	0.5304	26.3175
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.044	13388	240567	0.0557	2.4640
Naltrexol	Naltrexol-D3	5.188	137336	208141	0.6598	26.1803
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.321	306408	556410	0.5507	25.9871
Ketamine	Ketamine-D4	6.135	104049	170133	0.6116	25.7848
Norfentanyl	Norfentanyl-D5	6.182	15598	326838	0.0477	2.7541
alpha-PVP	alpha-PVP-d8	6.506	156982	261909	0.5994	25.7553
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.818	20098	422457	0.0476	2.4095
Norbuprenorphine	Norbuprenorphine-D3	7.134	672	12699	0.0529	2.3777
Fentanyl	Fentanyl-D5	7.218	20175	436203	0.0463	2.4157
EDDP	EDDP-D3	7.308	21786	38761	0.5621	24.6343
Sufentanil	Sufentanil-D5	7.518	14508	252719	0.0574	2.5320
Quetiapine	Quetiapine-D8	7.519	274840	132079	2.0809	24.8627
Cyclobenzaprine	Cyclobenzaprine-D3	7.552	90125	149966	0.6010	26.5609
Methadone	Methadone-D9	7.582	174162	409522	0.4253	25.6081
Fluoxetine	Fluoxetine-D6	7.623	239859	517135	0.4638	26.2494
Oxazepam	Oxazepam-D5	7.648	20971	46967	0.4465	22.2926
Sertraline	Sertraline-D3	7.685	59814	120714	0.4955	24.0770
Temazepam	Temazepam-D5	7.707	117095	228173	0.5132	24.5980

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

b cal 3

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Buprenorphine	Buprenorphine-D4	7.756	5676	86763	0.0654	3.0540
Nordiazepam	Nordiazepam-D5	7.774	50500	62901	0.8029	26.3792
Diazepam	Diazepam-D5	7.830	85823	136617	0.6282	27.2840



ISP FORENSICS - Cd'A Instrument # 62340

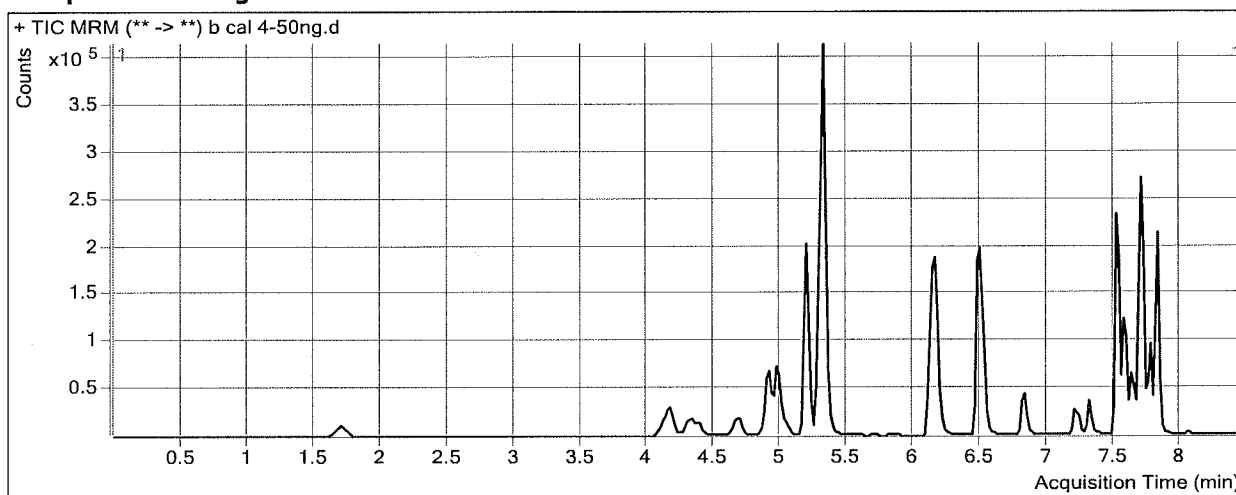
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdp p1b.batch.bin
Analysis Time 9/17/2017 9:46 AM **Analyst Name** ISP Tox
Report Time 9/17/2017 10:04 AM **Reporter Name** ISP Tox
Last Calib Update 9/17/2017 9:46 AM **Batch State** Processed

Analysis Info

Acq Time	2017-09-14 16:53	Data File	b cal 4-50ng.d
Sample Type	Calibration	Sample Name	b cal 4-50ng
Dilution	1	Acq Method	Quant Panel 1b 8-8-2017.m
Position	P1-D1	Sample Info	
Inj Vol	-1	Comment	AM 28 Panel 1

Sample Chromatogram



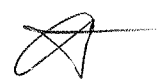
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.708	31693	29697	1.0672	46.6406
Dihydrocodeine	Dihydrocodeine-D6	4.170	70479	72285	0.9750	52.9225
Naloxone	Naloxone-D5	4.386	37949	68544	0.5536	46.7794
Noroxycodone	Noroxycodone-D3	4.696	39685	36284	1.0937	48.6877
Naltrexone	Naltrexone-D3	4.909	89875	84875	1.0589	52.1574
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.044	25251	242890	0.1040	4.5573
Naltrexol	Naltrexol-D3	5.188	281860	219217	1.2858	51.5755
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.321	637280	612185	1.0410	49.1692
Ketamine	Ketamine-D4	6.135	210973	181102	1.1649	49.0596
Norfentanyl	Norfentanyl-D5	6.182	32801	335510	0.0978	5.0086
alpha-PVP	alpha-PVP-d8	6.506	287708	251223	1.1452	48.6896
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.818	11177	117238	0.0953	4.7491
Norbuprenorphine	Norbuprenorphine-D3	7.154	442	4002	0.1104	5.5866
Fentanyl	Fentanyl-D5	7.218	5297	60182	0.0880	4.4585
EDDP	EDDP-D3	7.308	33194	29525	1.1243	48.6917
Sufentanil	Sufentanil-D5	7.518	2582	24738	0.1044	4.5947
Quetiapine	Quetiapine-D8	7.498	326854	76746	4.2589	51.2051
Cyclobenzaprine	Cyclobenzaprine-D3	7.552	15077	14193	1.0623	46.0011
Methadone	Methadone-D9	7.582	86266	111086	0.7766	45.8403
Fluoxetine	Fluoxetine-D6	7.623	24733	26890	0.9198	49.8155
Oxazepam	Oxazepam-D5	7.648	48084	45505	1.0567	51.3610
Sertraline	Sertraline-D3	7.685	5332	5000	1.0664	49.7256
Temazepam	Temazepam-D5	7.687	262803	254711	1.0318	48.1474

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

b caly

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Buprenorphine	Buprenorphine-D4	7.756	3264	25565	0.1277	5.1093
Nordiazepam	Nordiazepam-D5	7.774	97076	63514	1.5284	49.7056
Diazepam	Diazepam-D5	7.830	189020	141668	1.3342	54.8038



ISP FORENSICS - Cd'A Instrument # 62340

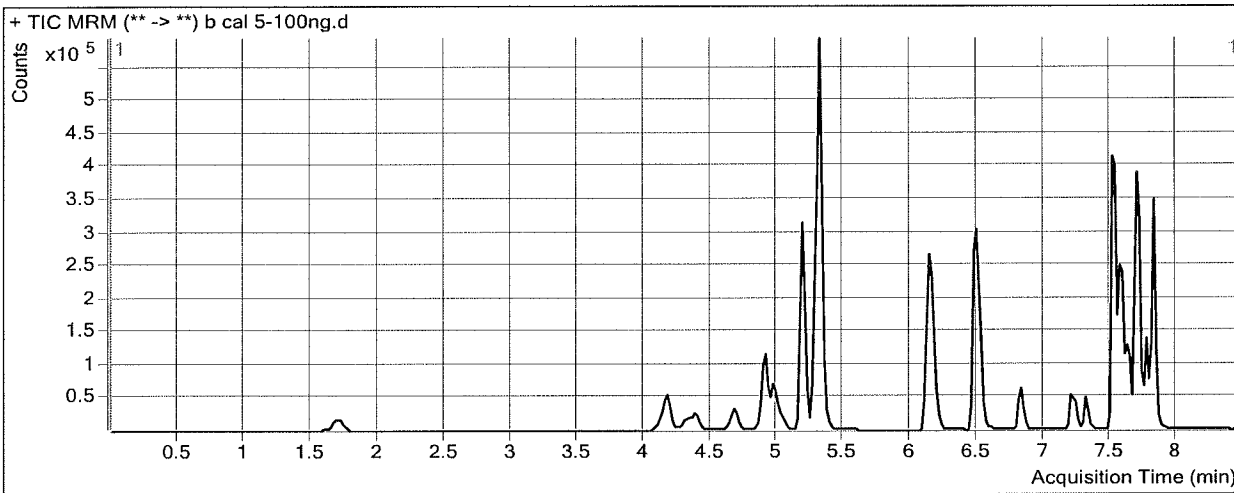
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdp p1b.batch.bin
Analysis Time 9/17/2017 9:46 AM **Analyst Name** ISP Tox
Report Time 9/17/2017 10:04 AM **Reporter Name** ISP Tox
Last Calib Update 9/17/2017 9:46 AM **Batch State** Processed

Analysis Info

Acq Time 2017-09-14 17:18 **Data File** b cal 5-100ng.d
Sample Type Calibration **Sample Name** b cal 5-100ng
Dilution 1 **Acq Method** Quant Panel 1b 8-8-2017.m
Position P1-E1 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.708	63179	28691	2.2020	94.8472
Dihydrocodeine	Dihydrocodeine-D6	4.170	135328	67374	2.0086	109.9632
Naloxone	Naloxone-D5	4.386	75738	65597	1.1546	95.9871
Noroxycodone	Noroxycodone-D3	4.677	74465	35063	2.1238	94.2342
Naltrexone	Naltrexone-D3	4.909	175281	80250	2.1842	107.1764
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.044	48926	216739	0.2257	9.8340
Naltrexol	Naltrexol-D3	5.188	545781	201469	2.7090	109.3194
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.321	1214008	562026	2.1601	102.0799
Ketamine	Ketamine-D4	6.135	413457	166359	2.4853	104.5959
Norfentanyl	Norfentanyl-D5	6.182	58421	296214	0.1972	9.4894
alpha-PVP	alpha-PVP-d8	6.506	546829	226597	2.4132	101.9644
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.818	28055	145127	0.1933	9.5486
Norbuprenorphine	Norbuprenorphine-D3	7.154	974	5220	0.1866	9.8428
Fentanyl	Fentanyl-D5	7.218	20734	108508	0.1911	9.5012
EDDP	EDDP-D3	7.308	61796	26887	2.2984	98.9320
Sufentanil	Sufentanil-D5	7.518	14309	60029	0.2384	10.4826
Quetiapine	Quetiapine-D8	7.519	658394	72765	9.0482	109.1303
Cyclobenzaprine	Cyclobenzaprine-D3	7.552	80544	35088	2.2955	97.9679
Methadone	Methadone-D9	7.582	234670	135509	1.7318	100.8550
Fluoxetine	Fluoxetine-D6	7.644	131504	109192	1.2043	64.5231
Oxazepam	Oxazepam-D5	7.648	62734	34578	1.8143	87.4531
Sertraline	Sertraline-D3	7.685	53044	26878	1.9735	90.4832
Temazepam	Temazepam-D5	7.707	457272	212481	2.1521	99.0212

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

b cal 5

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Buprenorphine	Buprenorphine-D4	7.756	7683	32491	0.2365	8.7008
Nordiazepam	Nordiazepam-D5	7.774	153548	51840	2.9620	95.7934
Diazepam	Diazepam-D5	7.830	342479	131127	2.6118	104.6006



ISP FORENSICS - Cd'A Instrument # 62340

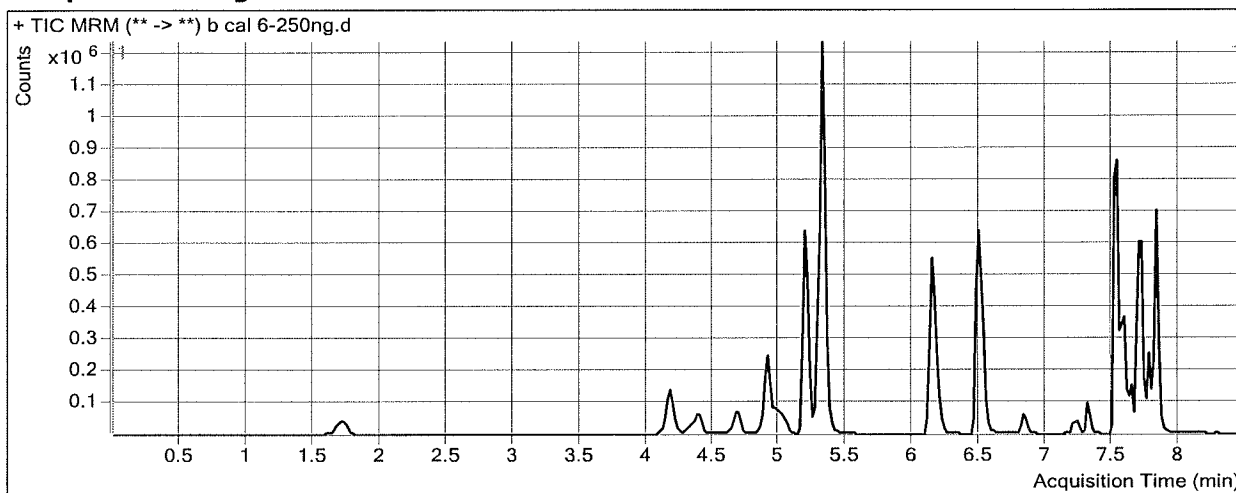
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdp p1b.batch.bin		
Analysis Time	9/17/2017 9:46 AM	Analyst Name	ISP Tox
Report Time	9/17/2017 10:04 AM	Reporter Name	ISP Tox
Last Calib Update	9/17/2017 9:46 AM	Batch State	Processed

Analysis Info

Acq Time	2017-09-14 17:43	Data File	b cal 6-250ng.d
Sample Type	Calibration	Sample Name	b cal 6-250ng
Dilution	1	Acq Method	Quant Panel 1b 8-8-2017.m
Position	P1-F1	Sample Info	
Inj Vol	-1	Comment	AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.728	177621	31419	5.6532	241.4574
Dihydrocodeine	Dihydrocodeine-D6	4.170	354210	74503	4.7543	261.4929
Naloxone	Naloxone-D5	4.386	210710	69934	3.0130	248.1570
Noroxycodone	Noroxycodone-D3	4.696	205972	33607	6.1288	271.3312
Naltrexone	Naltrexone-D3	4.909	408739	79213	5.1600	252.6761
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.044	132720	229947	0.5772	25.0627
Naltrexol	Naltrexol-D3	5.188	1330028	210298	6.3245	256.0051
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.321	3117801	597751	5.2159	246.5626
Ketamine	Ketamine-D4	6.135	1033385	173369	5.9606	250.7685
Norfentanyl	Norfentanyl-D5	6.182	148500	292343	0.5080	23.4886
alpha-PVP	alpha-PVP-d8	6.506	1284702	219673	5.8483	246.2881
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.838	50460	105354	0.4789	23.5408
Norbuprenorphine	Norbuprenorphine-D3	7.154	1765	4104	0.4302	23.4452
Fentanyl	Fentanyl-D5	7.218	30433	64269	0.4735	23.3192
EDDP	EDDP-D3	7.308	146911	25098	5.8535	251.0609
Sufentanil	Sufentanil-D5	7.518	17700	31812	0.5564	24.4545
Quetiapine	Quetiapine-D8	7.519	1509712	70587	21.3879	258.3759
Cyclobenzaprine	Cyclobenzaprine-D3	7.552	106113	18936	5.6037	237.3745
Methadone	Methadone-D9	7.582	317742	97242	3.2675	189.3066
Fluoxetine	Fluoxetine-D6	7.644	117283	41242	2.8437	149.2573
Oxazepam	Oxazepam-D5	7.648	142369	26646	5.3429	255.5542
Sertraline	Sertraline-D3	7.685	55918	10335	5.4105	244.9046
Temazepam	Temazepam-D5	7.707	1035316	201334	5.1423	234.8102

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

b cal b

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Buprenorphine	Buprenorphine-D4	7.756	12507	21415	0.5840	20.1752
Nordiazepam	Nordiazepam-D5	7.774	307023	42161	7.2822	234.6870
Diazepam	Diazepam-D5	7.830	806369	128559	6.2724	247.2799



ISP FORENSICS - Cd'A Instrument # 62340

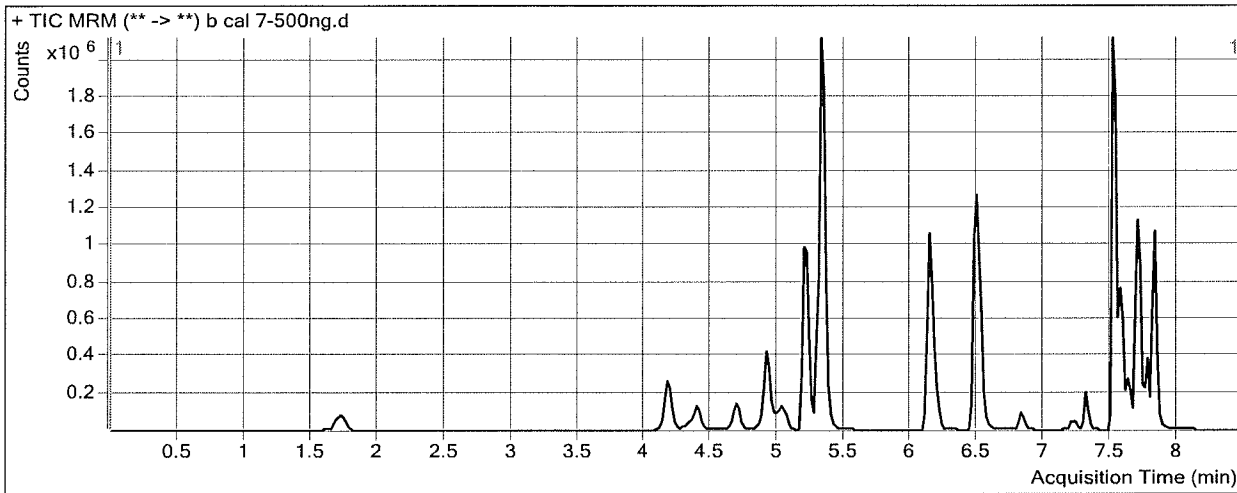
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdp p1b.batch.bin
Analysis Time 9/17/2017 9:46 AM **Analyst Name** ISP Tox
Report Time 9/17/2017 10:04 AM **Reporter Name** ISP Tox
Last Calib Update 9/17/2017 9:46 AM **Batch State** Processed

Analysis Info

Acq Time 2017-09-14 18:09 **Data File** b cal 7-500ng.d
Sample Type Calibration **Sample Name** b cal 7-500ng
Dilution 1 **Acq Method** Quant Panel 1b 8-8-2017.m
Position P1-G1 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.728	365556	31399	11.6423	495.8786
Dihydrocodeine	Dihydrocodeine-D6	4.170	701524	75746	9.2616	510.2345
Naloxone	Naloxone-D5	4.386	429126	71375	6.0123	493.7490
Noroxycodone	Noroxycodone-D3	4.696	408378	34543	11.8224	523.0977
Naltrexone	Naltrexone-D3	4.909	739499	70697	10.4601	511.8220
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.044	285171	234399	1.2166	52.7704
Naltrexol	Naltrexol-D3	5.208	2429497	195305	12.4395	504.1024
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.321	6299803	586609	10.7394	507.7186
Ketamine	Ketamine-D4	6.135	2115837	178045	11.8837	499.8986
Norfentanyl	Norfentanyl-D5	6.182	317287	295015	1.0755	49.0566
alpha-PVP	alpha-PVP-d8	6.506	2793805	235084	11.8843	499.8937
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.818	111312	110861	1.0041	49.2642
Norbuprenorphine	Norbuprenorphine-D3	7.154	3087	3387	0.9113	50.3185
Fentanyl	Fentanyl-D5	7.218	52691	53738	0.9805	48.1238
EDDP	EDDP-D3	7.308	328115	27345	11.9991	514.0360
Sufentanil	Sufentanil-D5	7.497	27652	25553	1.0821	47.5527
Quetiapine	Quetiapine-D8	7.498	3550280	77898	45.5757	550.9210
Cyclobenzaprine	Cyclobenzaprine-D3	7.552	162499	13397	12.1291	512.3512
Methadone	Methadone-D9	7.562	787911	91939	8.5700	494.6994
Fluoxetine	Fluoxetine-D6	7.623	234908	26832	8.7549	454.7788
Oxazepam	Oxazepam-D5	7.648	262625	23108	11.3649	542.4386
Sertraline	Sertraline-D3	7.685	61891	6228	9.9378	448.3105
Temazepam	Temazepam-D5	7.687	1889991	167369	11.2923	514.0909

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

b cal 7

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Buprenorphine	Buprenorphine-D4	7.735	24371	15595	1.5627	52.4858
Nordiazepam	Nordiazepam-D5	7.774	528451	31855	16.5894	533.9080
Diazepam	Diazepam-D5	7.830	1473709	118130	12.4754	489.0572



ISP FORENSICS - Cd'A Instrument # 62340

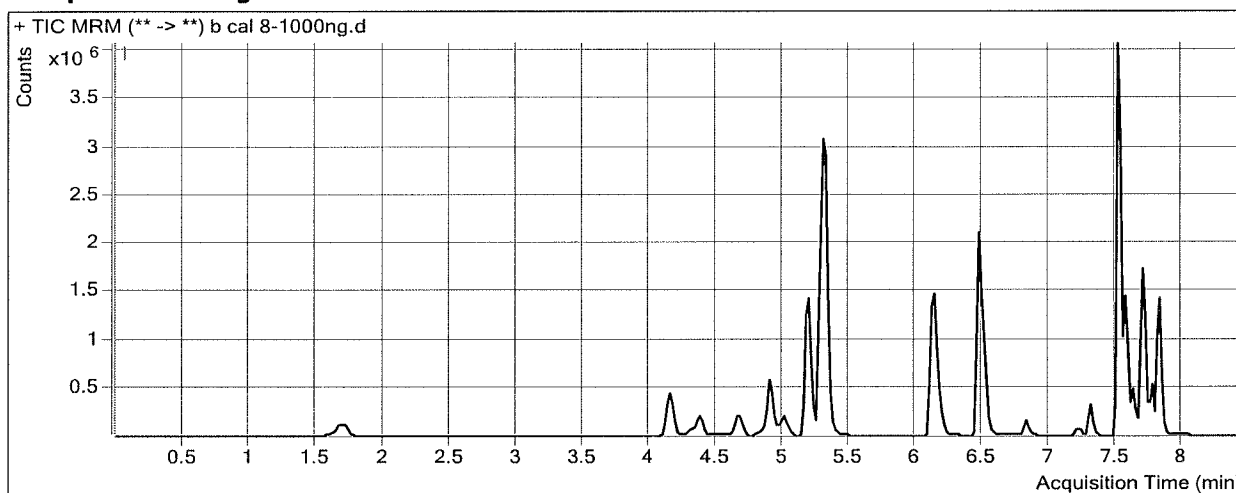
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\91417 mdq p1 and p2\QuantResults\91417 mdp p1b.batch.bin
Analysis Time 9/17/2017 9:46 AM **Analyst Name** ISP Tox
Report Time 9/17/2017 10:04 AM **Reporter Name** ISP Tox
Last Calib Update 9/17/2017 9:46 AM **Batch State** Processed

Analysis Info

Acq Time 2017-09-14 18:34 **Data File** b cal 8-1000ng.d
Sample Type Calibration **Sample Name** b cal 8-1000ng
Dilution 1 **Acq Method** Quant Panel 1b 8-8-2017.m
Position P1-H1 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.708	618986	25794	23.9970	1020.7174
Dihydrocodeine	Dihydrocodeine-D6	4.150	1127843	64389	17.5160	965.7752
Naloxone	Naloxone-D5	4.367	686718	55450	12.3844	1015.5229
Noroxycodone	Noroxycodone-D3	4.677	619731	28503	21.7427	961.7584
Naltrexone	Naltrexone-D3	4.889	941680	56378	16.7031	817.0688
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.024	506461	203571	2.4879	107.8578
Naltrexol	Naltrexol-D3	5.188	3621259	149995	24.1426	978.9172
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.301	10027507	477114	21.0170	993.6576
Ketamine	Ketamine-D4	6.135	3427587	153448	22.3371	939.5738
Norfentanyl	Norfentanyl-D5	6.182	560525	247333	2.2663	102.7027
alpha-PVP	alpha-PVP-d8	6.486	4686584	198300	23.6339	993.5535
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.818	223208	106350	2.0988	102.8911
Norbuprenorphine	Norbuprenorphine-D3	7.134	4980	2757	1.8065	100.3134
Fentanyl	Fentanyl-D5	7.218	103827	48669	2.1333	104.5241
EDDP	EDDP-D3	7.308	606486	26299	23.0610	987.3836
Sufentanil	Sufentanil-D5	7.497	51622	22061	2.3399	102.8126
Quetiapine	Quetiapine-D8	7.498	6468305	83938	77.0603	931.7184
Cyclobenzaprine	Cyclobenzaprine-D3	7.552	303071	12732	23.8044	1004.3409
Methadone	Methadone-D9	7.562	1443755	82498	17.5004	1009.0494
Fluoxetine	Fluoxetine-D6	7.623	463855	23011	20.1580	1044.1563
Oxazepam	Oxazepam-D5	7.648	425090	18840	22.5631	1075.9126
Sertraline	Sertraline-D3	7.685	113420	4787	23.6927	1066.3043
Temazepam	Temazepam-D5	7.687	2800605	126865	22.0755	1003.7647

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

b cal 8

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Buprenorphine	Buprenorphine-D4	7.756	37190	12027	3.0921	102.9749
Nordiazepam	Nordiazepam-D5	7.774	742391	24257	30.6048	984.4950
Diazepam	Diazepam-D5	7.830	2189981	85256	25.6872	1004.0215

