















Bylee

Worklist: 2068

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>	
C2017-2269	1	101950	AM 28 Blood Multi-Drug Quant	
C2017-2278	1	101968	AM 28 Blood Multi-Drug Quant	
C2017-2307	1	101951	AM 28 Blood Multi-Drug Quant	
C2017-2328	1	101969	AM 28 Blood Multi-Drug Quant	
C2017-2329	1	101970	AM 28 Blood Multi-Drug Quant	
C2017-2361	1	101952	AM 28 Blood Multi-Drug Quant	
C2017-2415	1	101953	AM 28 Blood Multi-Drug Quant	
C2017-2435	1	101954	AM 28 Blood Multi-Drug Quant	
C2017-2436	1	101955	AM 28 Blood Multi-Drug Quant	
C2017-2437	1	101956	AM 28 Blood Multi-Drug Quant	
C2017-2438	1	101957	AM 28 Blood Multi-Drug Quant	
C2017-2439	1	101958	AM 28 Blood Multi-Drug Quant	
C2017-2450	1	101959	AM 28 Blood Multi-Drug Quant	
C2017-2451	1	101960	AM 28 Blood Multi-Drug Quant	
M2017-5023	1	101961	AM 28 Blood Multi-Drug Quant	
M2017-5027	1	101962	AM 28 Blood Multi-Drug Quant	
M2017-5037	2	101963	AM 28 Blood Multi-Drug Quant	
M2017-5054	1	101964	AM 28 Blood Multi-Drug Quant	
M2017-5088	1	101965	AM 28 Blood Multi-Drug Quant	
M2017-5196	2	101966	AM 28 Blood Multi-Drug Quant	
M2017-5267	2	101971	AM 28 Blood Multi-Drug Quant	
M2017-5292	2	101967	AM 28 Blood Multi-Drug Quant	
P2017-1463	1	101659	AM 28 Blood Multi-Drug Quant	



Worklist: 2068

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>
P2017-2088	1	101740	AM 28 Blood Multi-Drug Quant
P2017-2091	1	101742	AM 28 Blood Multi-Drug Quant



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

Extraction Date: 12-6-17
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 0.5M ammonium hydroxide** in wells of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 6. Transfer **300µL of blood+base** mixture to corresponding wells of SLE+ plate.
- 7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent).
(Load at 85-100 PSI- Selector to the right) Manifold ID: 66792
- 8. Wait 5 minutes.
- 9. Add **900uL ethyl acetate**.
- 10. Wait 5 minutes.
- 11. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left)*.
- 12. Add **900uL ethyl acetate**.
- 13. Wait 5 minutes.
- 14. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left)*.
- 15. Remove plate containing eluate. Place on SPE Dry and evaporate to dryness at approx. 35°C.
SPE Dry ID: 66819
- 16. Reconstitute in **100µL 20% MeOH** and heat seal plate with foil. Place in autosampler and run worklist.

Post-Analytic

- 1. Create batch and process data.
Worklist path: 120617 mda p1 and p2 Batch Name: 120617 mda p2
- 2. Make necessary changes to integration limits
- 3. Integration linear and r^2 values ≥ 0.98 for each analyte.
- 4. For unknown samples and controls: response ratio within 20% of average of controls and standards, RT within +/- 5%, S/N for primary and secondary transitions > 10 .
- 5. Did all QCs pass for each analyte? Y/N _____
- 6. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

COMMENTS:

Curve ranges limited:
Amphetamine 5-500
Lorazepam 5-100
norfentanyl 1-100
nor buprenorphine 2.5-100

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: 2/17/18 lot 21718 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

AM 28 control 50 ul working solution lot (21717) in 9950 ul blood lot (321632)
ppd 8/17/17 Exp 2/17/18 by AMN Concentration 50 ng/ml each

ISP FORENSICS - Cd'A Instrument # 62340

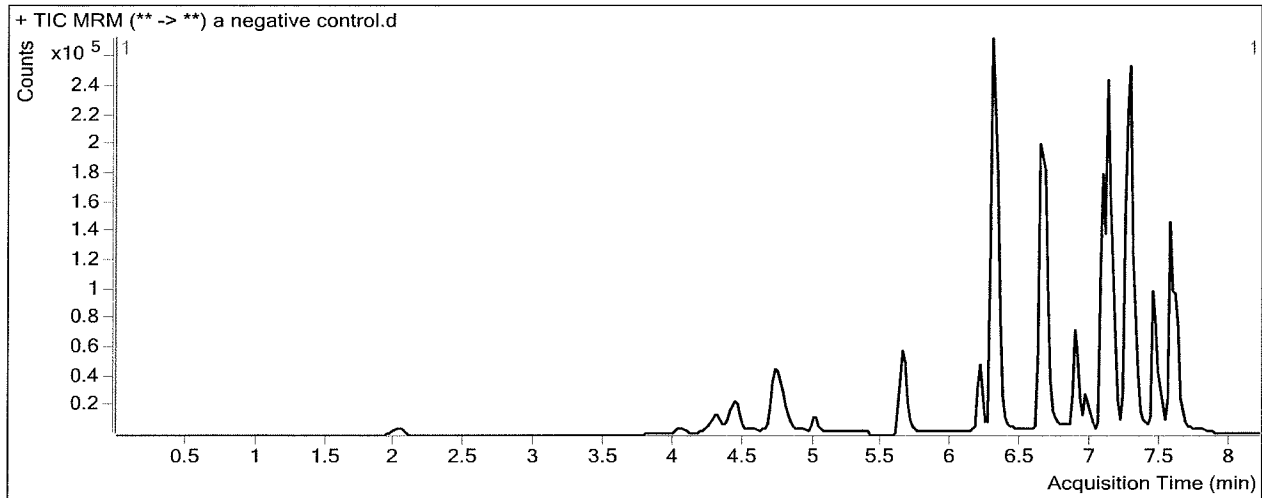
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\120617 mdq p1 and p2\QuantResults\120617 mdq p1a.batch.bin
Analysis Time 12/8/2017 9:13 AM **Analyst Name** ISP Tox
Report Time 12/8/2017 9:19 AM **Reporter Name** ISP Tox
Last Calib Update 12/8/2017 9:13 AM **Batch State** Processed

Analysis Info

Acq Time 2017-12-06 19:56 **Data File** a negative control.d
Sample Type Sample **Sample Name** a negative control
Dilution 1 **Acq Method** Quant Panel 1a 10-17.m
Position P1-E2 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



ISP FORENSICS - Cd'A Instrument # 62340

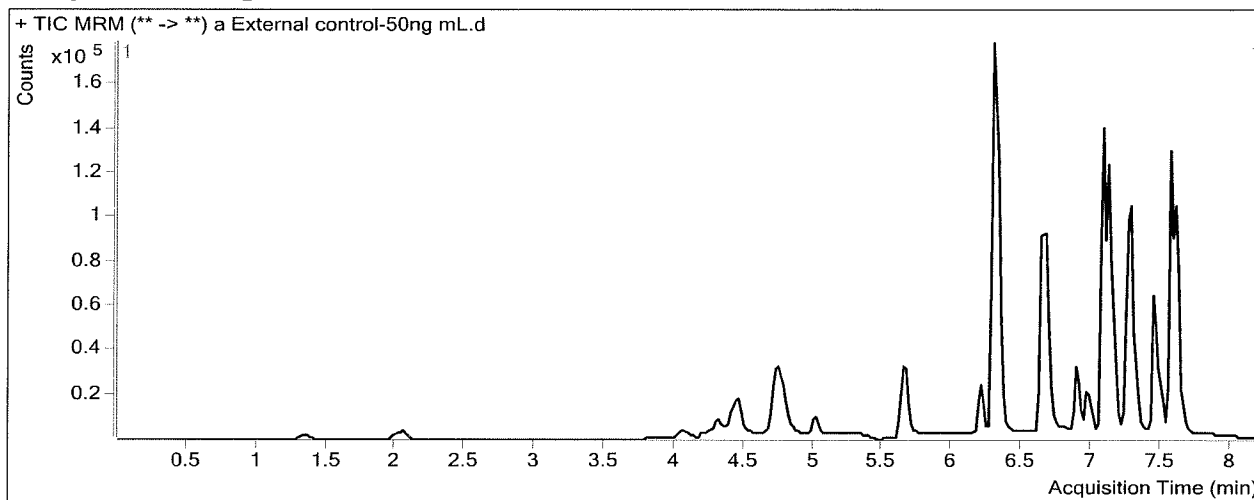
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\120617 mdq p1 and p2\QuantResults\120617 mdq p1a.batch.bin
Analysis Time 12/8/2017 9:13 AM **Analyst Name** ISP Tox
Report Time 12/8/2017 9:19 AM **Reporter Name** ISP Tox
Last Calib Update 12/8/2017 9:13 AM **Batch State** Processed

Analysis Info

Acq Time 2017-12-06 20:21 **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 10-17.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	1.348	7074	1817	3.8939	40.2303
Dextromethorphan	Dextromethorphan-D3	7.268	21227	21650	0.9804	46.1688
Lorazepam	Alprazolam-D5	7.602	38501	162411	0.2371	62.8055

ISP FORENSICS - Cd'A Instrument # 62340

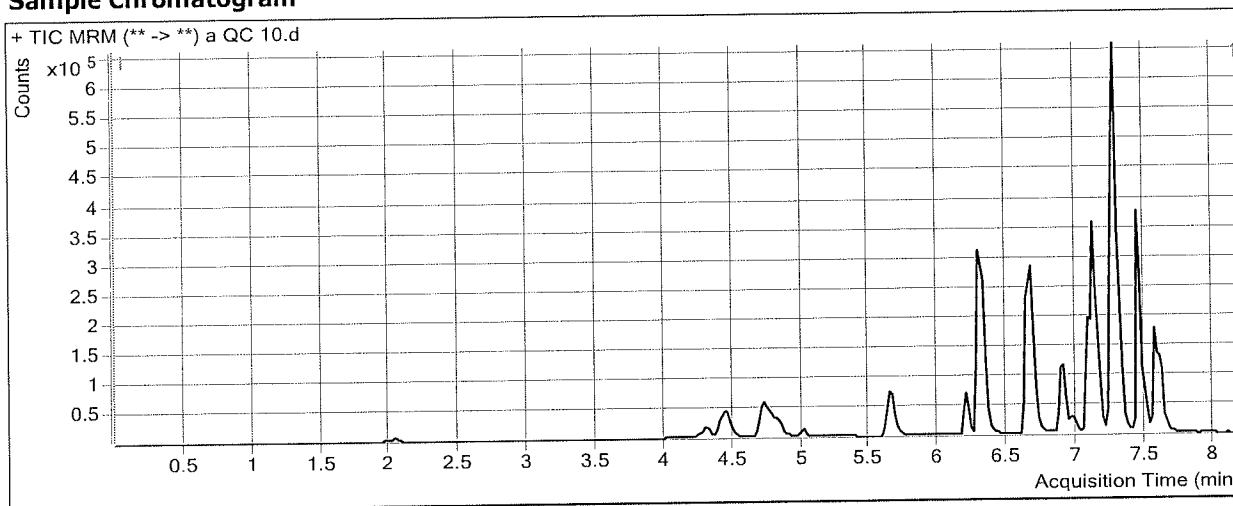
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\120617 mdq p1 and p2\QuantResults\120617 mdq p1a.batch.bin
Analysis Time 12/8/2017 1:23 PM **Analyst Name** ISP Tox
Report Time 12/8/2017 1:30 PM **Reporter Name** ISP Tox
Last Calib Update 12/8/2017 1:23 PM **Batch State** Processed

Analysis Info

Acq Time 2017-12-06 20:47 **Data File** a QC 10.d
Sample Type QC **Sample Name** a QC 10
Dilution 1 **Acq Method** Quant Panel 1a 10-17.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	1.348	1805	1882	0.9592	10.1305
Hydromorphone	Hydromorphone-D6	2.049	9218	28764	0.3205	9.8820
Codeine	Codeine-D6	4.134	4186	17604	0.2378	10.1887
Amphetamine	Amphetamine-D11	4.443	84927	80716	1.0522	10.8003
Oxycodone	Oxycodone-D6	4.489	20342	79605	0.2555	10.6136
Hydrocodone	Hydrocodone-D6	4.794	15915	84858	0.1876	9.5874
Norhydrocodone	Norhydrocodone-D3	4.838	1781	28961	0.0615	12.0980
Methamphetamine	Methamphetamine-D11	4.841	63897	188259	0.3394	11.4948
6-MAM	6-MAM-D6	5.028	771	33814	0.0228	8.9984
Phentermine	Phentermine-D5	5.706	18010	267258	0.0674	9.7840
Dextroprphan	Dextroprphan-D3	6.203	19667	153672	0.1280	10.0993
7-aminoclonazepam	7-Aminoclonazepam-D4	6.312	23846	99058	0.2407	9.7887
Tramadol	Tramadol-13C-D3	6.322	152624	717448	0.2127	9.8488
Doxylamine	Doxylamine-D5	6.662	163729	703092	0.2329	11.3370
Bupropion	Bupropion-D9	6.910	71259	333106	0.2139	9.7835
Meprobamate	Meprobamate-D7	6.992	7829	51838	0.1510	10.7914
Zolpidem	Zolpidem-D6	7.102	101811	484081	0.2103	9.8159
Venlafaxine	Venlafaxine-D6	7.125	155145	636649	0.2437	10.8737
Citalopram	Citalopram-D6	7.257	106789	458882	0.2327	10.5970
Dextromethorphan	Dextromethorphan-D3	7.268	26924	119225	0.2258	11.2029
Trazodone	Trazodone-D6	7.275	94390	385203	0.2450	10.9035
Diphenhydramine	Diphenhydramine-D3	7.291	171732	780075	0.2201	10.5112
Promethazine	Promethazine-D3	7.446	142312	760507	0.1871	9.7772

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

Plc QC10

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.502	20238	27668	0.7314	10.1753
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.560	6913	30891	0.2238	10.8501
Carisoprodol	Carisoprodol-D7	7.592	54555	276054	0.1976	10.4298
Lorazepam	Alprazolam-D5	7.602	9623	182455	0.0527	10.6169
Alprazolam	Alprazolam-D5	7.626	43853	182455	0.2403	9.7612

ISP FORENSICS - Cd'A Instrument # 62340

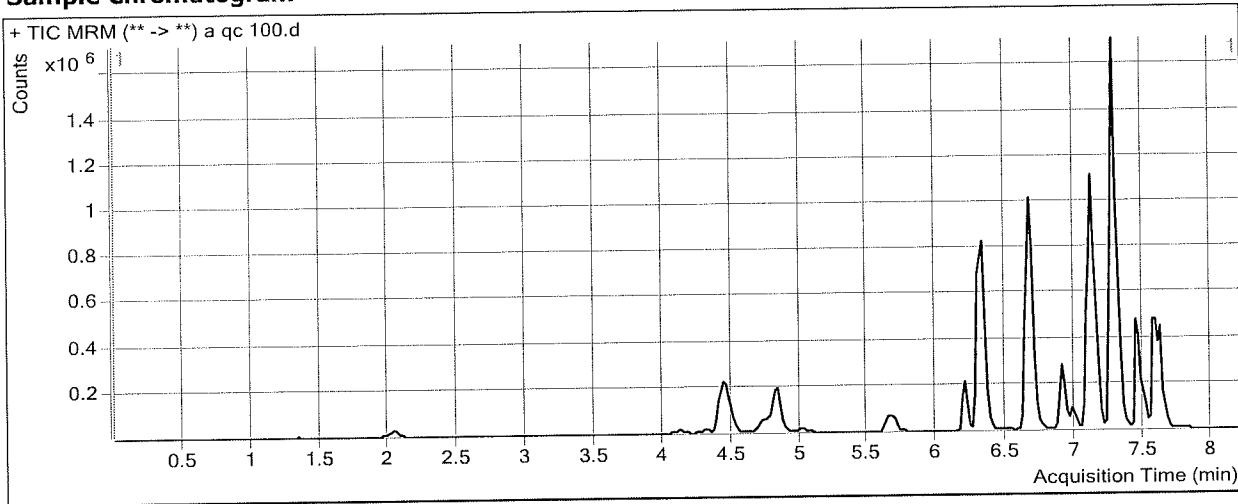
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\120617 mdq p1 and p2\QuantResults\120617 mdq p1a.batch.bin
Analysis Time 12/8/2017 1:23 PM **Analyst Name** ISP Tox
Report Time 12/8/2017 1:30 PM **Reporter Name** ISP Tox
Last Calib Update 12/8/2017 1:23 PM **Batch State** Processed

Analysis Info

Acq Time 2017-12-07 00:47 **Data File** a qc 100.d
Sample Type QC **Sample Name** a qc 100
Dilution 1 **Acq Method** Quant Panel 1a 10-17.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	1.348	18032	1786	10.0987	103.8714
Hydromorphone	Hydromorphone-D6	2.049	92234	28771	3.2058	102.3639
Codeine	Codeine-D6	4.115	42319	17829	2.3736	92.0590
Amphetamine	Amphetamine-D11	4.443	602934	73744	8.1761	100.4890
Oxycodone	Oxycodone-D6	4.489	214969	86792	2.4768	101.6893
Hydrocodone	Hydrocodone-D6	4.794	168361	86234	1.9524	107.4425
Norhydrocodone	Norhydrocodone-D3	4.838	15409	29278	0.5263	95.6732
Methamphetamine	Methamphetamine-D11	4.841	489151	160687	3.0441	111.0252
6-MAM	6-MAM-D6	5.028	8459	33640	0.2514	98.7534
Phentermine	Phentermine-D5	5.706	160104	240313	0.6662	112.6130
Dextroprphan	Dextroprphan-D3	6.203	194354	153434	1.2667	99.3148
7-aminoclonazepam	7-Aminoclonazepam-D4	6.312	227620	97682	2.3302	109.6046
Tramadol	Tramadol-13C-D3	6.322	1538236	753079	2.0426	104.1293
Doxylamine	Doxylamine-D5	6.662	1464468	733683	1.9961	95.4798
Bupropion	Bupropion-D9	6.910	482898	227471	2.1229	97.5341
Meprobamate	Meprobamate-D7	6.992	82988	51993	1.5961	95.4341
Zolpidem	Zolpidem-D6	7.102	1063128	504824	2.1059	106.4036
Venlafaxine	Venlafaxine-D6	7.125	1402625	628312	2.2324	99.0746
Citalopram	Citalopram-D6	7.257	691888	362469	1.9088	87.4569
Dextromethorphan	Dextromethorphan-D3	7.268	173859	83224	2.0890	97.5371
Trazodone	Trazodone-D6	7.275	746679	329279	2.2676	105.5031
Diphenhydramine	Diphenhydramine-D3	7.291	1173209	598414	1.9605	92.8720
Promethazine	Promethazine-D3	7.446	718703	380698	1.8879	103.0185

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

Plc QC 100

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.502	158356	21830	7.2541	103.4465
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.560	57136	26062	2.1923	100.8299
Carisoprodol	Carisoprodol-D7	7.592	478958	260975	1.8353	94.4567
Lorazepam	Alprazolam-D5	7.602	56292	164794	0.3416	92.4018
Alprazolam	Alprazolam-D5	7.626	419079	164794	2.5430	101.4675



ISP FORENSICS - Cd'A Instrument # 62340

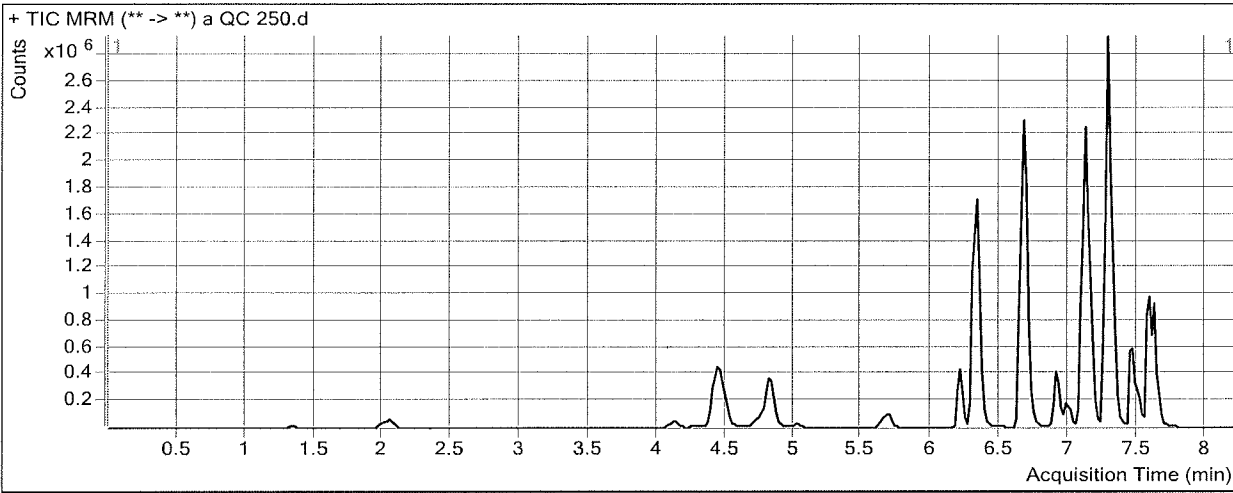
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\120617 mdq p1 and p2\QuantResults\120617 mdq p1a.batch.bin		
Analysis Time	12/8/2017 1:23 PM	Analyst Name	ISP Tox
Report Time	12/8/2017 1:30 PM	Reporter Name	ISP Tox
Last Calib Update	12/8/2017 1:23 PM	Batch State	Processed

Analysis Info

Acq Time	2017-12-07 03:32	Data File	a QC 250.d
Sample Type	QC	Sample Name	a QC 250
Dilution	1	Acq Method	Quant Panel 1a 10-17.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	1.348	45001	1775	25.3548	260.3495
Hydromorphone	Hydromorphone-D6	2.049	231099	28662	8.0629	258.0430
Codeine	Codeine-D6	4.134	104356	16899	6.1754	237.7947
Amphetamine	Amphetamine-D11	4.443	1276105	65056	19.6154	244.5084
Oxycodone	Oxycodone-D6	4.489	551669	86891	6.3490	260.4513
Hydrocodone	Hydrocodone-D6	4.794	405703	87461	4.6387	256.3909
Norhydrocodone	Norhydrocodone-D3	4.838	38370	26847	1.4292	258.0261
Methamphetamine	Methamphetamine-D11	4.841	935960	135415	6.9118	253.3513
6-MAM	6-MAM-D6	5.028	20545	33694	0.6097	239.4051
Phentermine	Phentermine-D5	5.706	333998	210741	1.5849	270.3549
Dextroprphan	Dextroprphan-D3	6.203	466674	145067	3.2170	252.1120
7-aminoclonazepam	7-Aminoclonazepam-D4	6.312	516850	92348	5.5968	265.6487
Tramadol	Tramadol-13C-D3	6.322	3767547	765012	4.9248	252.6306
Doxylamine	Doxylamine-D5	6.662	3992131	718753	5.5542	265.2849
Bupropion	Bupropion-D9	6.910	854326	158193	5.4005	248.1979
Meprobamate	Meprobamate-D7	6.992	215982	55205	3.9124	231.1007
Zolpidem	Zolpidem-D6	7.102	2557920	507163	5.0436	256.0854
Venlafaxine	Venlafaxine-D6	7.125	3322776	611050	5.4378	241.2411
Citalopram	Citalopram-D6	7.257	1379240	280597	4.9154	225.3265
Dextromethorphan	Dextromethorphan-D3	7.268	311055	58478	5.3192	247.2099
Trazodone	Trazodone-D6	7.275	1659663	313375	5.2961	247.1504
Diphenhydramine	Diphenhydramine-D3	7.291	2368404	478766	4.9469	234.1967
Promethazine	Promethazine-D3	7.466	1167652	246303	4.7407	259.4241

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

pl a QC 250

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.502	324493	17072	19.0071	271.5100
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.560	123537	23165	5.3329	244.3844
Carisoprodol	Carisoprodol-D7	7.592	909822	239037	3.8062	195.5848
Lorazepam	Alprazolam-D5	7.602	102779	149458	0.6877	190.3961
Alprazolam	Alprazolam-D5	7.626	939486	149458	6.2859	250.5309

A ~~190.3961~~ *outside range of curve*



ISP FORENSICS - Cd'A Instrument # 62340

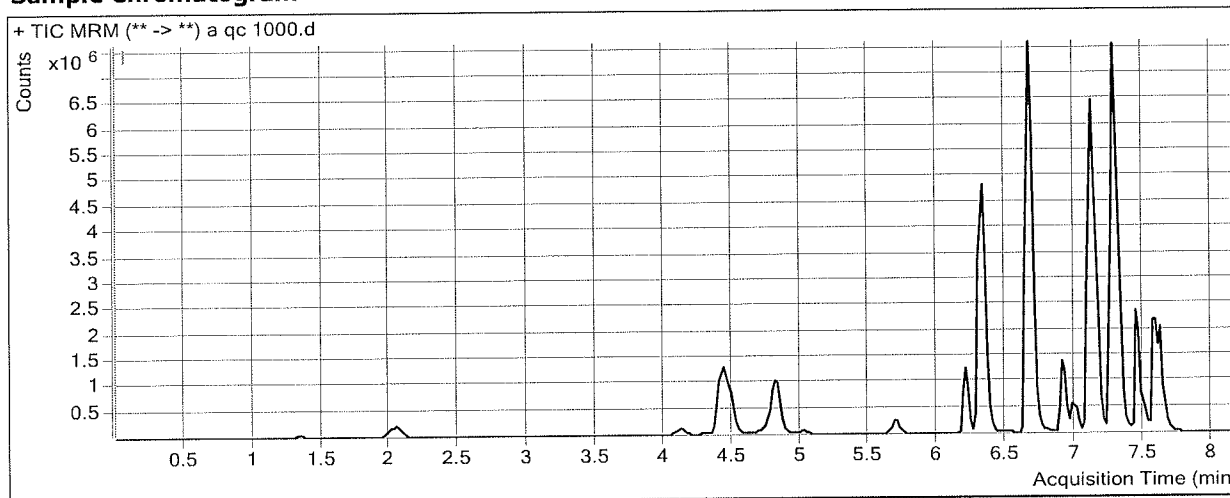
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\120617 mdq p1 and p2\QuantResults\120617 mdq p1a.batch.bin
Analysis Time 12/8/2017 1:23 PM **Analyst Name** ISP Tox
Report Time 12/8/2017 1:30 PM **Reporter Name** ISP Tox
Last Calib Update 12/8/2017 1:23 PM **Batch State** Processed

Analysis Info

Acq Time 2017-12-07 07:46 **Data File** a qc 1000.d
Sample Type QC **Sample Name** a qc 1000
Dilution 1 **Acq Method** Quant Panel 1a 10-17.m
Position P1-D2 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

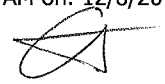
Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.348	151111	1519	99.4574	1020.3982
Hydromorphone	Hydromorphone-D6	2.049	824959	25406	32.4708	1040.3641
Codeine	Codeine-D6	4.115	349189	13413	26.0342	999.0362
Amphetamine*	Amphetamine-D11	4.443	3613300	55623	64.9604	815.3941 <i>out side range A</i>
Oxycodone	Oxycodone-D6	4.489	2109512	85486	24.6768	1011.9092
Hydrocodone	Hydrocodone-D6	4.794	1360922	80880	16.8264	932.1688
Norhydrocodone	Norhydrocodone-D3	4.838	118517	19268	6.1511	1107.0627
Methamphetamine	Methamphetamine-D11	4.841	2695566	113303	23.7909	874.4806
6-MAM	6-MAM-D6	5.028	75164	29228	2.5716	1009.5438
Phentermine	Phentermine-D5	5.706	1020098	184409	5.5317	948.0783
Dextroprphan	Dextroprphan-D3	6.203	1561930	122876	12.7114	995.9764
7-aminoclonazepam	7-Aminoclonazepam-D4	6.312	1336679	67257	19.8743	947.6916
Tramadol	Tramadol-13C-D3	6.322	12726905	674236	18.8760	971.4416
Doxylamine	Doxylamine-D5	6.662	14249572	734872	19.3905	925.5830
Bupropion	Bupropion-D9	6.910	3043486	145831	20.8700	959.2869
Meprobamate	Meprobamate-D7	6.992	773121	50618	15.2736	896.5416
Zolpidem	Zolpidem-D6	7.102	8493746	460617	18.4399	938.6701
Venlafaxine	Venlafaxine-D6	7.125	11058372	491780	22.4864	997.3714
Citalopram	Citalopram-D6	7.257	3682663	208859	17.6323	808.4760
Dextromethorphan	Dextromethorphan-D3	7.268	1018956	46155	22.0769	1023.6971
Trazodone	Trazodone-D6	7.295	4939818	296938	16.6359	777.5313
Diphenhydramine	Diphenhydramine-D3	7.291	8307208	399826	20.7771	983.3336
Promethazine	Promethazine-D3	7.446	4692759	253883	18.4839	1012.8875

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

Plu QC 1000

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.502	590241	9318	63.3424	905.4862
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.560	319967	14991	21.3436	976.2236
Carisoprodol	Carisoprodol-D7	7.592	2732025	142670	19.1492	982.8314
Lorazepam	Alprazolam-D5	7.602	277235	97273	2.8501	802.6652
Alprazolam	Alprazolam-D5	7.626	2382849	97273	24.4964	975.7746

** outside range of control*

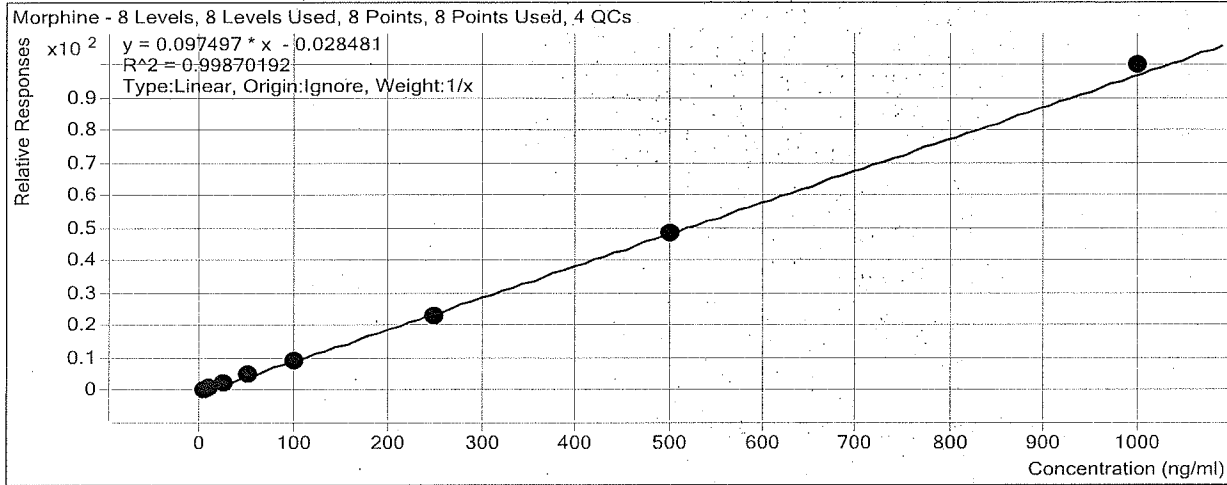


ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\120617 mdq p1 and p2\QuantResults\120617 mdq p1a.batch.bin

Last Calib Update 12/8/2017 9:13 AM **Analyst Name** ISP TOX

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



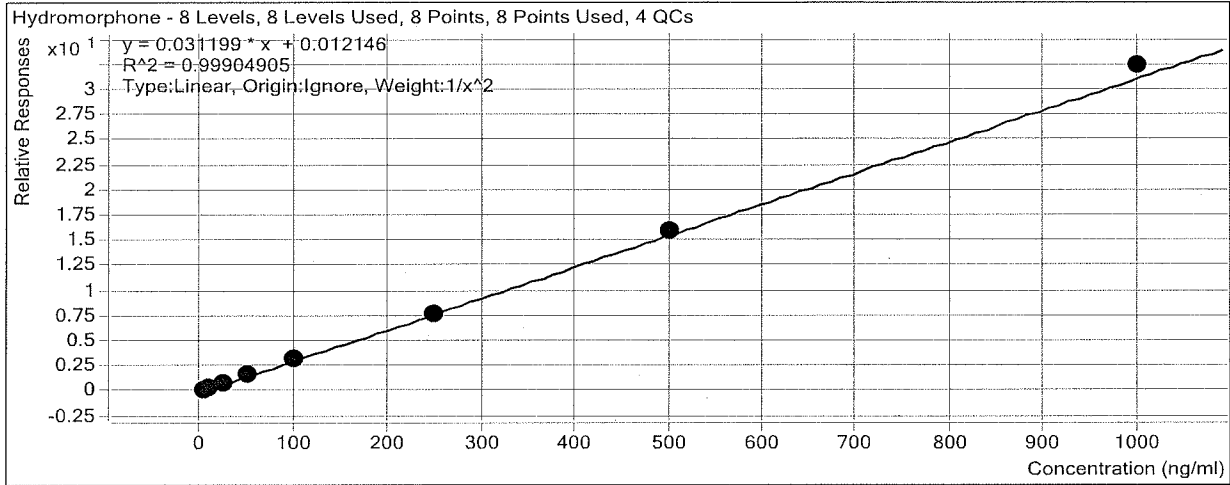
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.4	108.6
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.3	102.7
a QC 10	2	<input checked="" type="checkbox"/>	10	10.1	101.3
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.2	96.7
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.0	104.1
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	92.2	92.2
a qc 100	5	<input checked="" type="checkbox"/>	100	103.9	103.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	234.8	93.9
a QC 250	6	<input checked="" type="checkbox"/>	250	260.3	104.1
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	496.6	99.3
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1024.4	102.4
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1020.4	102.0

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\120617 mdq p1 and p2\QuantResults\120617 mdq p1a.batch.bin

Last Calib Update 12/8/2017 9:13 AM **Analyst Name** ISP TOX

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



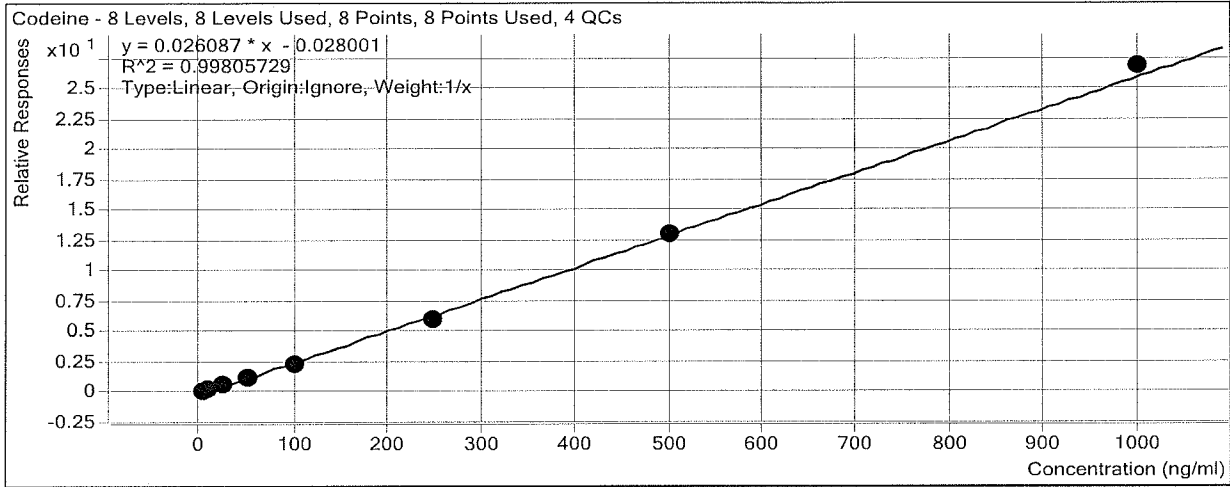
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.0
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	97.9
a QC 10	2	<input checked="" type="checkbox"/>	10	9.9	98.8
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.0	95.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.3	98.5
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.1	101.1
a qc 100	5	<input checked="" type="checkbox"/>	100	102.4	102.4
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	246.3	98.5
a QC 250	6	<input checked="" type="checkbox"/>	250	258.0	103.2
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	512.4	102.5
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1036.7	103.7
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1040.4	104.0

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\120617 mdq p1 and p2\QuantResults\120617 mdq p1a.batch.bin

Last Calib Update 12/8/2017 9:13 AM **Analyst Name** ISP TOX

Target Compound Codeine
Internal Standard Codeine-D6



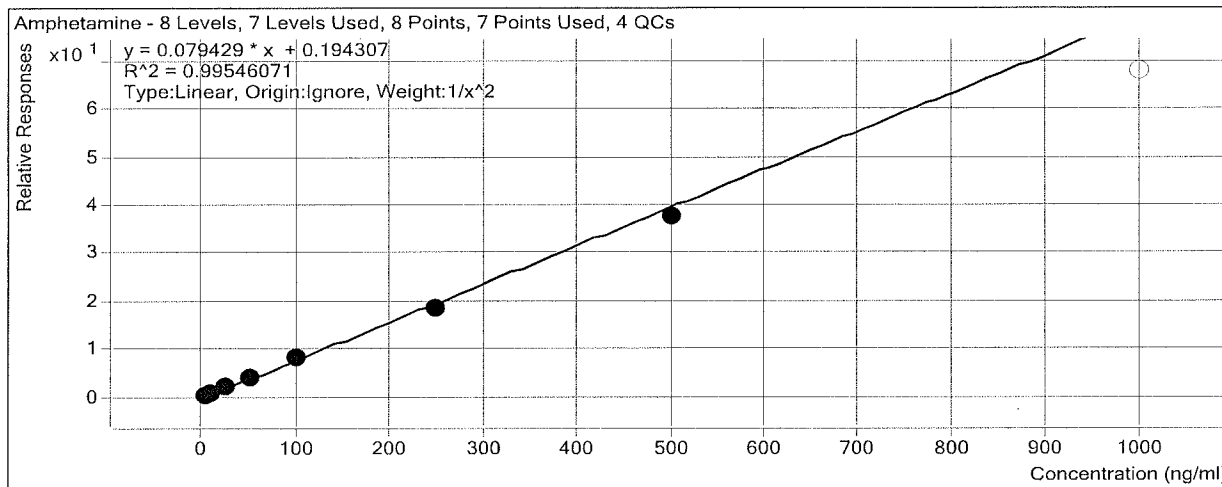
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	6.0	120.3
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	100.1
a QC 10	2	<input checked="" type="checkbox"/>	10	10.2	101.9
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.9	95.4
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.9	97.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	91.2	91.2
a qc 100	5	<input checked="" type="checkbox"/>	100	92.1	92.1
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	230.1	92.0
a QC 250	6	<input checked="" type="checkbox"/>	250	237.8	95.1
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	501.5	100.3
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1028.4	102.8
a qc 1000	8	<input checked="" type="checkbox"/>	1000	999.0	99.9

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\120617 mdq p1 and p2\QuantResults\120617 mdq p1a.batch.bin

Last Calib Update 12/8/2017 9:13 AM **Analyst Name** ISP TOX

Target Compound Amphetamine
Internal Standard Amphetamine-D11



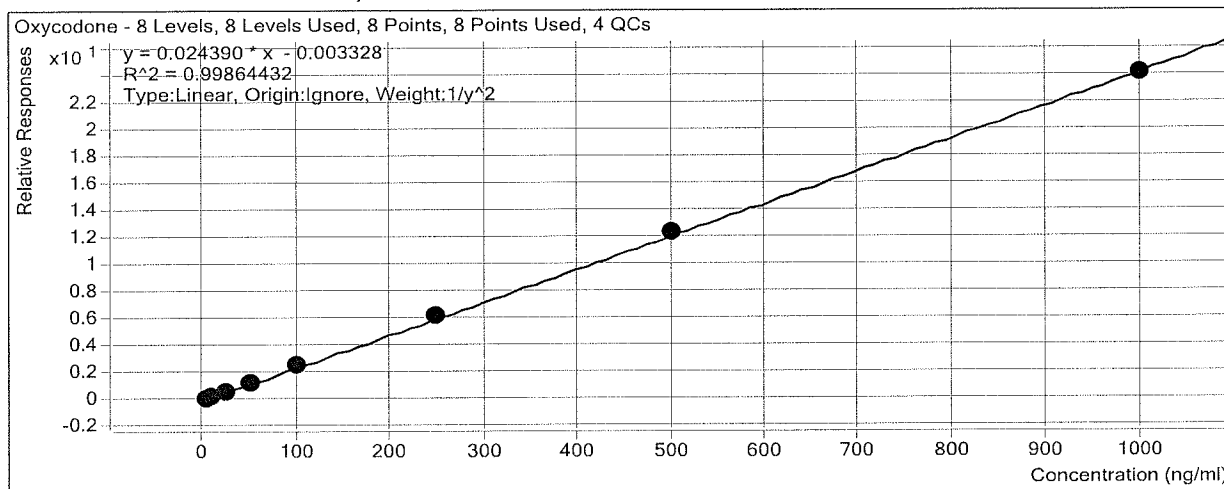
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.8	95.9
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.6	105.6
a QC 10	2	<input checked="" type="checkbox"/>	10	10.8	108.0
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.2	104.7
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.9	103.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.8	103.8
a qc 100	5	<input checked="" type="checkbox"/>	100	100.5	100.5
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	230.5	92.2
a QC 250	6	<input checked="" type="checkbox"/>	250	244.5	97.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	470.3	94.1
a cal 8-1000ng	8	<input type="checkbox"/>	1000	851.0	85.1
a qc 1000	8	<input type="checkbox"/>	1000	815.4	81.5

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\120617 mdq p1 and p2\QuantResults\120617 mdq p1a.batch.bin

Last Calib Update 12/8/2017 9:13 AM **Analyst Name** ISP TOX

Target Compound Oxycodone
Internal Standard Oxycodone-D6



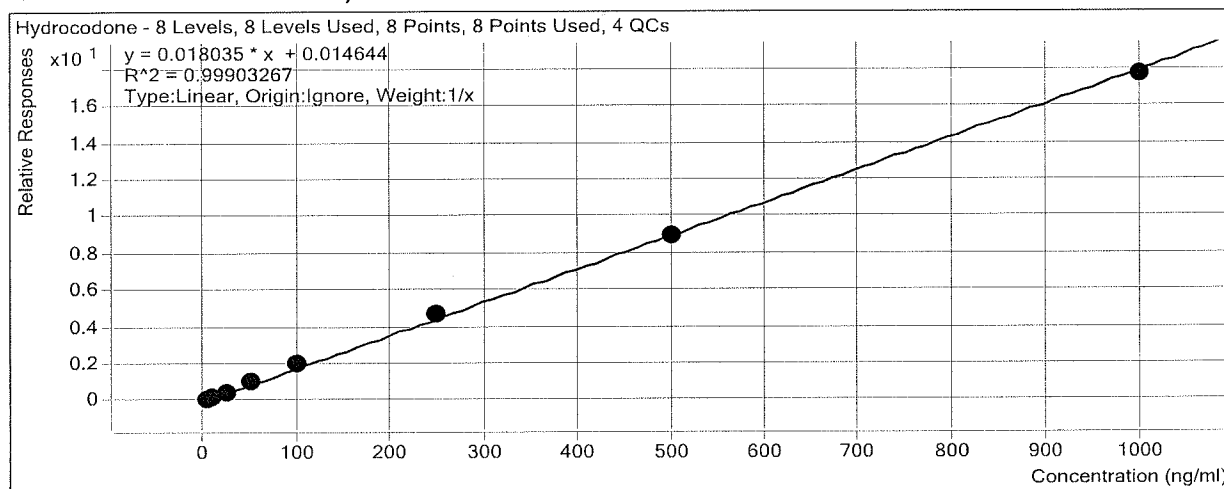
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	103.6
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.4	94.3
a QC 10	2	<input checked="" type="checkbox"/>	10	10.6	106.1
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.6	98.2
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.6	99.2
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.8	102.8
a qc 100	5	<input checked="" type="checkbox"/>	100	101.7	101.7
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	256.1	102.4
a QC 250	6	<input checked="" type="checkbox"/>	250	260.5	104.2
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	508.4	101.7
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	991.4	99.1
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1011.9	101.2

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\120617 mdq p1 and p2\QuantResults\120617 mdq p1a.batch.bin

Last Calib Update 12/8/2017 9:13 AM **Analyst Name** ISP TOX

Target Compound Hydrocodone
Internal Standard Hydrocodone-D6



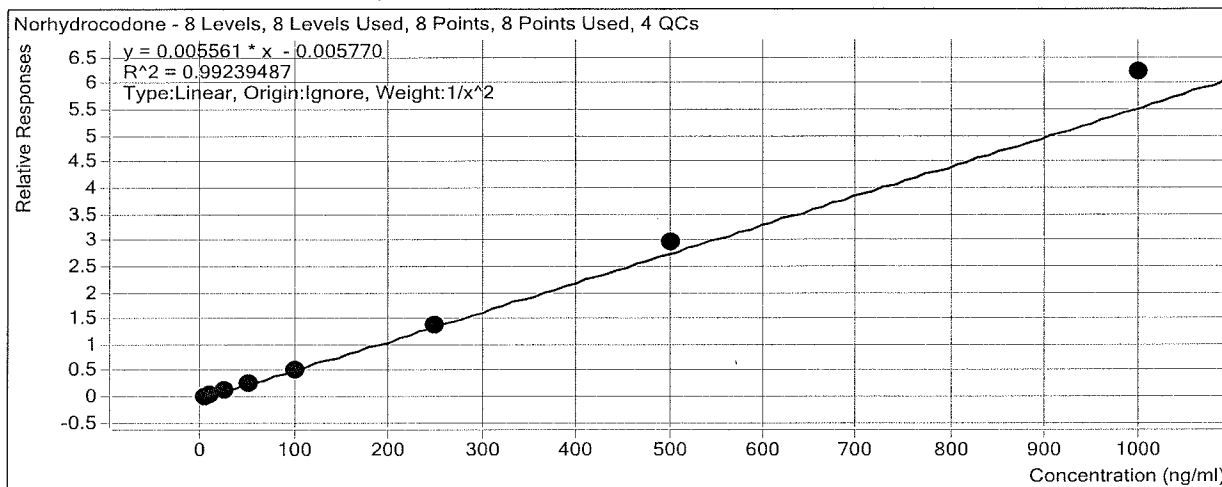
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.5	90.2
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.4	93.9
a QC 10	2	<input checked="" type="checkbox"/>	10	9.6	95.9
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.1	100.3
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.9	105.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	107.3	107.3
a qc 100	5	<input checked="" type="checkbox"/>	100	107.4	107.4
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	261.5	104.6
a QC 250	6	<input checked="" type="checkbox"/>	250	256.4	102.6
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	499.1	99.8
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	980.2	98.0
a qc 1000	8	<input checked="" type="checkbox"/>	1000	932.2	93.2

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\120617 mdq p1 and p2\QuantResults\120617 mdq p1a.batch.bin

Last Calib Update 12/8/2017 9:13 AM **Analyst Name** ISP TOX

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



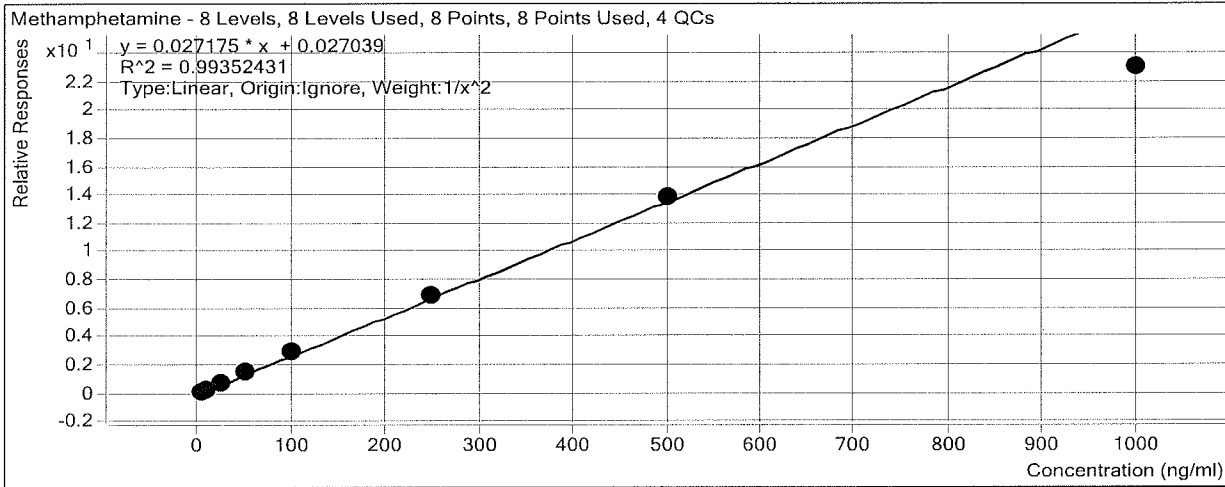
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.3	105.9
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.3	93.1
a QC 10	2	<input checked="" type="checkbox"/>	10	12.1	121.0
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.5	90.2
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.5	95.0
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.5	97.5
a qc 100	5	<input checked="" type="checkbox"/>	100	95.7	95.7
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	248.1	99.2
a QC 250	6	<input checked="" type="checkbox"/>	250	258.0	103.2
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	536.9	107.4
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1117.3	111.7
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1107.1	110.7

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\120617 mdq p1 and p2\QuantResults\120617 mdq p1a.batch.bin

Last Calib Update 12/8/2017 1:23 PM **Analyst Name** ISP TOX

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



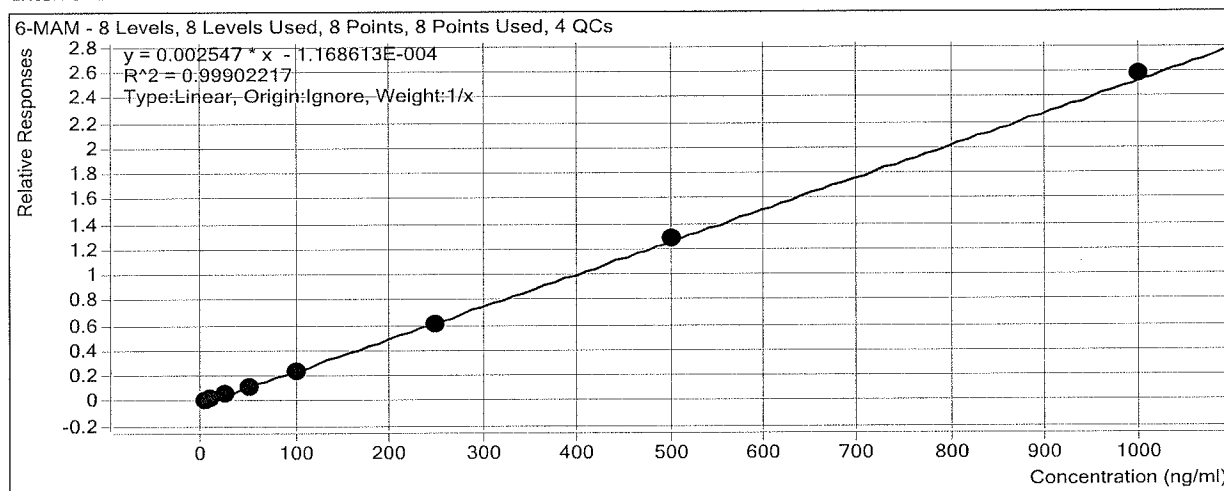
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.9	98.1
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.3	102.9
a QC 10	2	<input checked="" type="checkbox"/>	10	11.5	114.9
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.5	98.2
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.1	104.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	107.7	107.7
a qc 100	5	<input checked="" type="checkbox"/>	100	111.0	111.0
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	255.6	102.3
a QC 250	6	<input checked="" type="checkbox"/>	250	253.4	101.3
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	510.7	102.1
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	844.6	84.5
a qc 1000	8	<input checked="" type="checkbox"/>	1000	874.5	87.4

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\120617 mdq p1 and p2\QuantResults\120617 mdq p1a.batch.bin

Last Calib Update 12/8/2017 9:13 AM **Analyst Name** ISP TOX

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



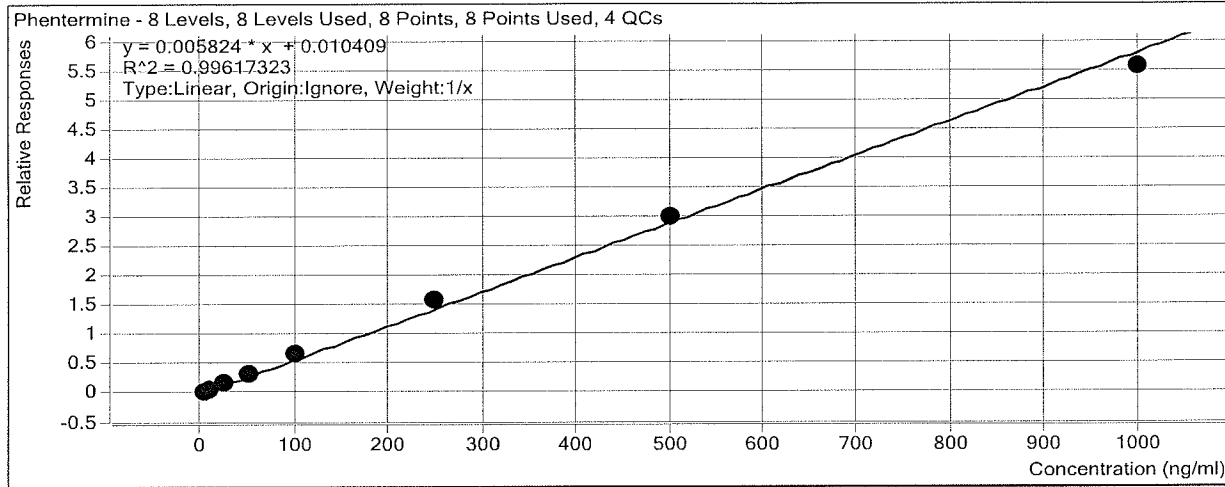
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.5	110.4
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	11.3	113.3
a QC 10	2	<input checked="" type="checkbox"/>	10	9.0	90.0
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	21.8	87.1
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.7	95.4
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	95.9	95.9
a qc 100	5	<input checked="" type="checkbox"/>	100	98.8	98.8
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	238.3	95.3
a QC 250	6	<input checked="" type="checkbox"/>	250	239.4	95.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	507.3	101.5
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1012.3	101.2
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1009.5	101.0

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\120617 mdq p1 and p2\QuantResults\120617 mdq p1a.batch.bin

Last Calib Update 12/8/2017 9:13 AM **Analyst Name** ISP TOX

Target Compound Phentermine
Internal Standard Phentermine-D5



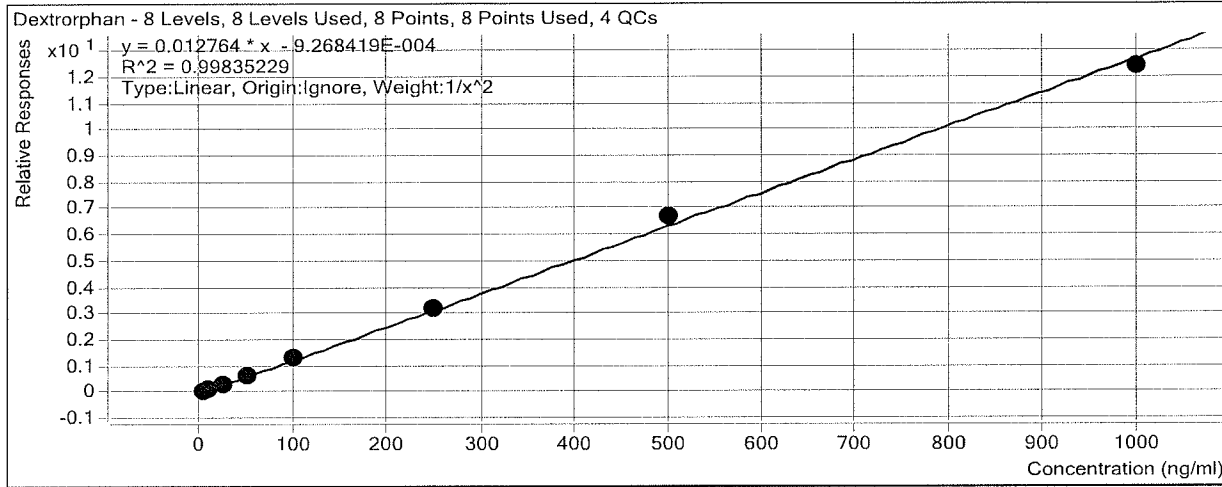
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	3.9	78.5
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	8.8	87.6
a QC 10	2	<input checked="" type="checkbox"/>	10	9.8	97.8
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.3	105.3
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	55.4	110.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	112.3	112.3
a qc 100	5	<input checked="" type="checkbox"/>	100	112.6	112.6
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	269.5	107.8
a QC 250	6	<input checked="" type="checkbox"/>	250	270.4	108.1
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	512.9	102.6
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	951.0	95.1
a qc 1000	8	<input checked="" type="checkbox"/>	1000	948.1	94.8

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\120617 mdq p1 and p2\QuantResults\120617 mdq p1a.batch.bin

Last Calib Update 12/8/2017 9:13 AM **Analyst Name** ISP TOX

Target Compound *Dextrophan*
Internal Standard *Dextrophan-D3*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.8
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.5	95.2
a QC 10	2	<input checked="" type="checkbox"/>	10	10.1	101.0
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.0	96.2
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.3	102.6
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.5	102.5
a qc 100	5	<input checked="" type="checkbox"/>	100	99.3	99.3
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	248.6	99.4
a QC 250	6	<input checked="" type="checkbox"/>	250	252.1	100.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	521.8	104.4
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	969.9	97.0
a qc 1000	8	<input checked="" type="checkbox"/>	1000	996.0	99.6

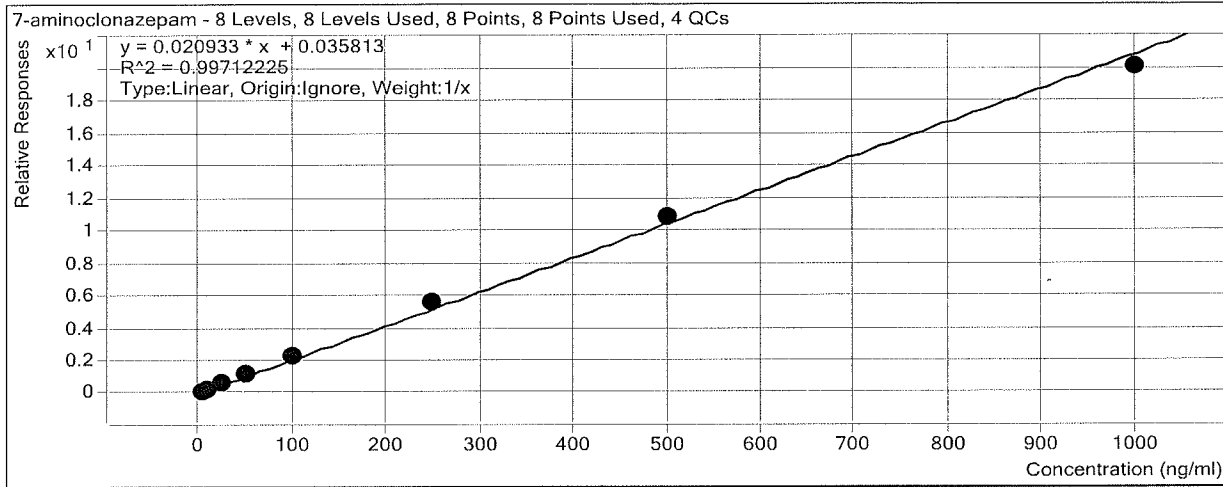
ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\120617 mdq p1 and p2\QuantResults\120617 mdq p1a.batch.bin

Last Calib Update 12/8/2017 9:13 AM **Analyst Name** ISP TOX

Target Compound 7-aminoclonazepam

Internal Standard 7-Aminoclonazepam-D4



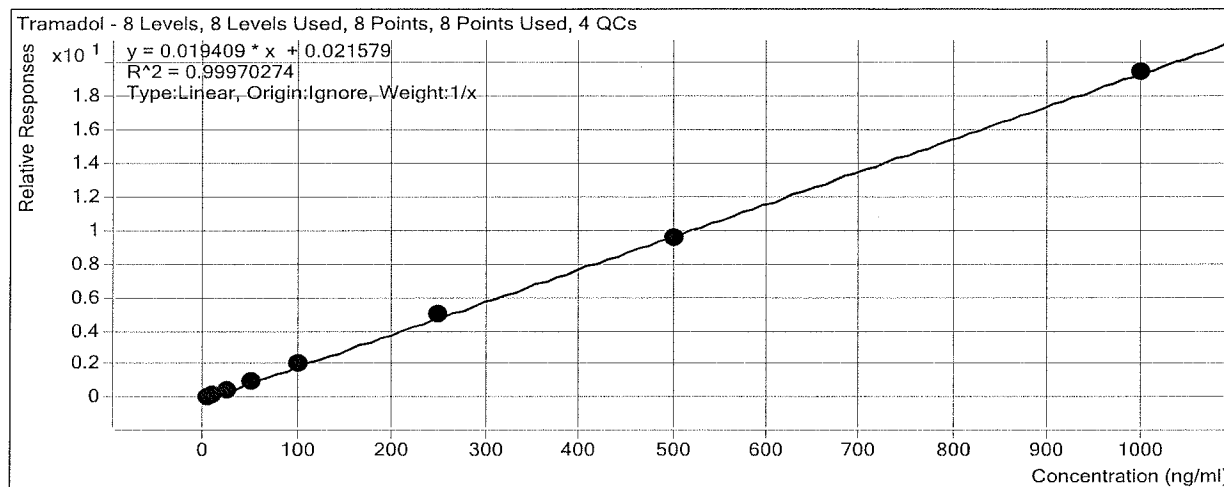
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	3.9	77.1
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.2	92.5
a QC 10	2	<input checked="" type="checkbox"/>	10	9.8	97.9
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.5	106.0
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	55.2	110.4
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	109.2	109.2
a qc 100	5	<input checked="" type="checkbox"/>	100	109.6	109.6
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	266.3	106.5
a QC 250	6	<input checked="" type="checkbox"/>	250	265.6	106.3
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	513.4	102.7
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	956.4	95.6
a qc 1000	8	<input checked="" type="checkbox"/>	1000	947.7	94.8

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\120617 mdq p1 and p2\QuantResults\120617 mdq p1a.batch.bin

Last Calib Update 12/8/2017 9:13 AM **Analyst Name** ISP TOX

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



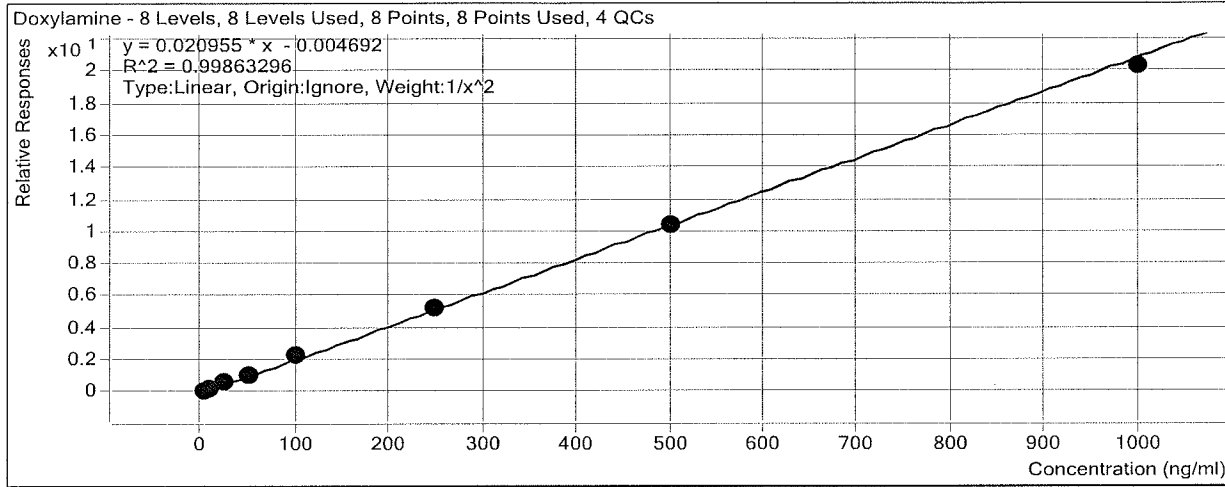
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.8	95.9
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	96.5
a QC 10	2	<input checked="" type="checkbox"/>	10	9.8	98.5
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.5	101.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.1	102.2
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.5	102.5
a qc 100	5	<input checked="" type="checkbox"/>	100	104.1	104.1
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	257.6	103.0
a QC 250	6	<input checked="" type="checkbox"/>	250	252.6	101.1
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	490.6	98.1
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	998.3	99.8
a qc 1000	8	<input checked="" type="checkbox"/>	1000	971.4	97.1

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\120617 mdq p1 and p2\QuantResults\120617 mdq p1a.batch.bin

Last Calib Update 12/8/2017 9:13 AM **Analyst Name** ISP TOX

Target Compound Doxylamine
Internal Standard Doxylamine-D5



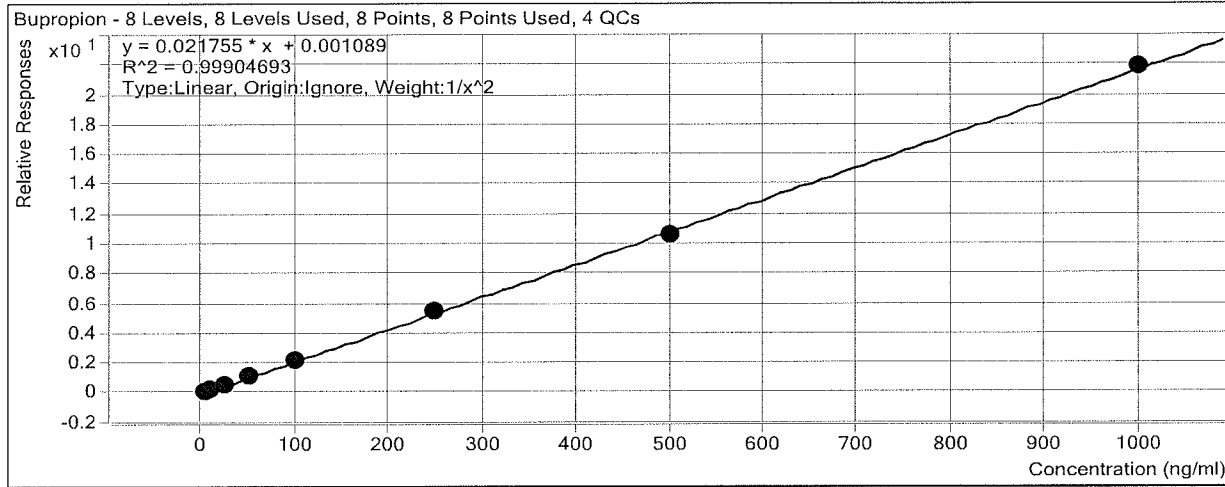
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.9
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	96.8
a QC 10	2	<input checked="" type="checkbox"/>	10	11.3	113.4
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.7	102.7
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.4	98.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	106.2	106.2
a qc 100	5	<input checked="" type="checkbox"/>	100	95.5	95.5
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	247.7	99.1
a QC 250	6	<input checked="" type="checkbox"/>	250	265.3	106.1
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	493.2	98.6
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	967.3	96.7
a qc 1000	8	<input checked="" type="checkbox"/>	1000	925.6	92.6

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\120617 mdq p1 and p2\QuantResults\120617 mdq p1a.batch.bin

Last Calib Update 12/8/2017 9:13 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	101.5
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.5	95.1
a QC 10	2	<input checked="" type="checkbox"/>	10	9.8	97.8
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.0	104.1
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.7	101.4
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.2	99.2
a qc 100	5	<input checked="" type="checkbox"/>	100	97.5	97.5
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	250.8	100.3
a QC 250	6	<input checked="" type="checkbox"/>	250	248.2	99.3
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	489.7	97.9
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1003.8	100.4
a qc 1000	8	<input checked="" type="checkbox"/>	1000	959.3	95.9

ISP Forensics Calibration Curve Report

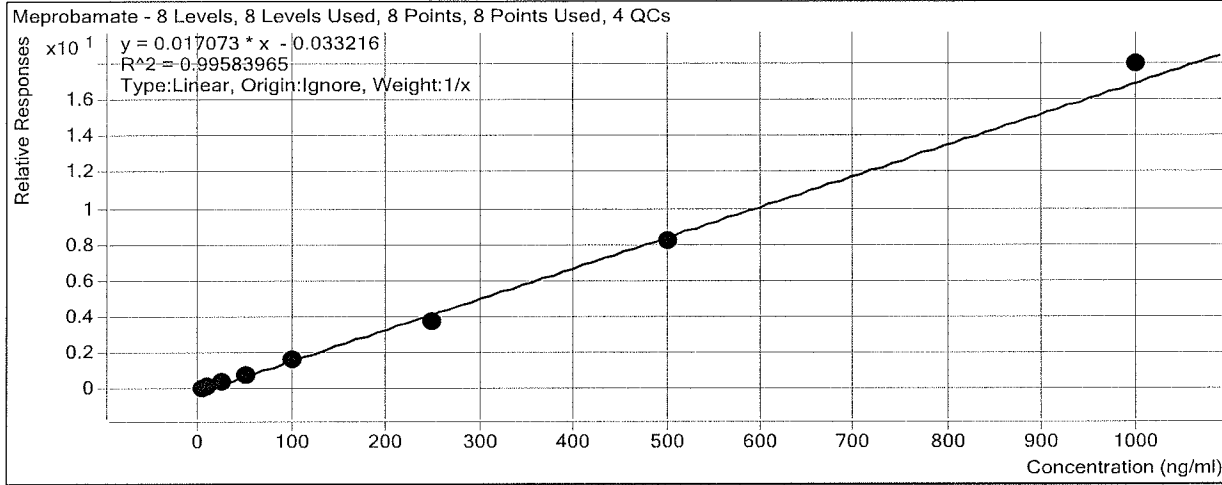
Batch Data Path D:\2017 Data\120617 mdq p1 and p2\QuantResults\120617 mdq p1a.batch.bin

Last Calib Update 12/8/2017 9:13 AM

Analyst Name ISP TOX

Target Compound Meprobamate

Internal Standard Meprobamate-D7



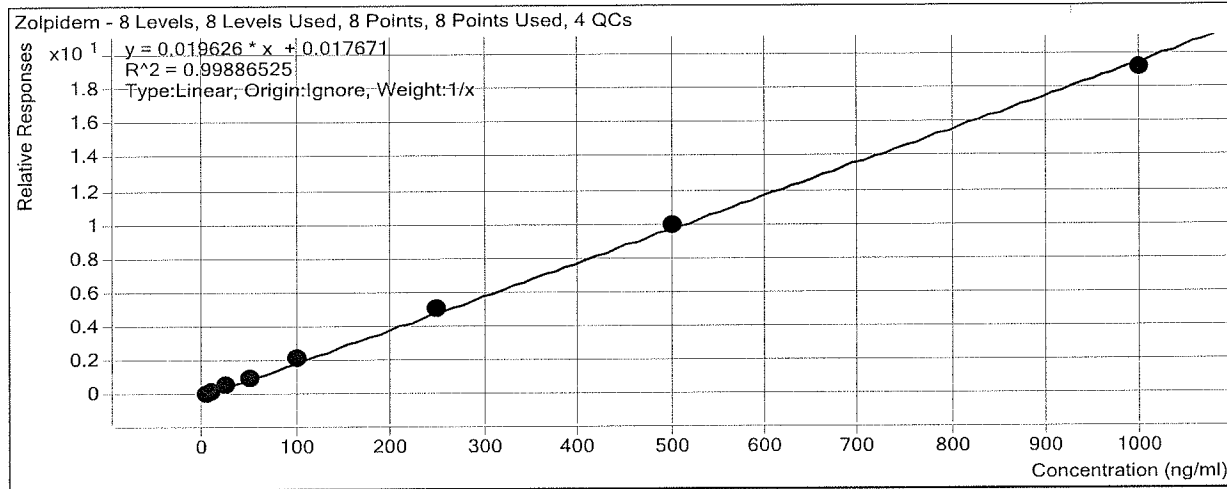
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.7	114.6
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	11.4	113.5
a QC 10	2	<input checked="" type="checkbox"/>	10	10.8	107.9
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.7	94.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	45.9	91.7
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	93.9	93.9
a qc 100	5	<input checked="" type="checkbox"/>	100	95.4	95.4
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	224.5	89.8
a QC 250	6	<input checked="" type="checkbox"/>	250	231.1	92.4
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	480.4	96.1
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1054.5	105.4
a qc 1000	8	<input checked="" type="checkbox"/>	1000	896.5	89.7

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\120617 mdq p1 and p2\QuantResults\120617 mdq p1a.batch.bin

Last Calib Update 12/8/2017 9:13 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	4.4	88.4
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.4	93.9
a QC 10	2	<input checked="" type="checkbox"/>	10	9.8	98.2
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.1	104.2
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.1	102.2
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	108.6	108.6
a qc 100	5	<input checked="" type="checkbox"/>	100	106.4	106.4
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	260.5	104.2
a QC 250	6	<input checked="" type="checkbox"/>	250	256.1	102.4
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	504.8	101.0
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	975.1	97.5
a qc 1000	8	<input checked="" type="checkbox"/>	1000	938.7	93.9

ISP Forensics Calibration Curve Report

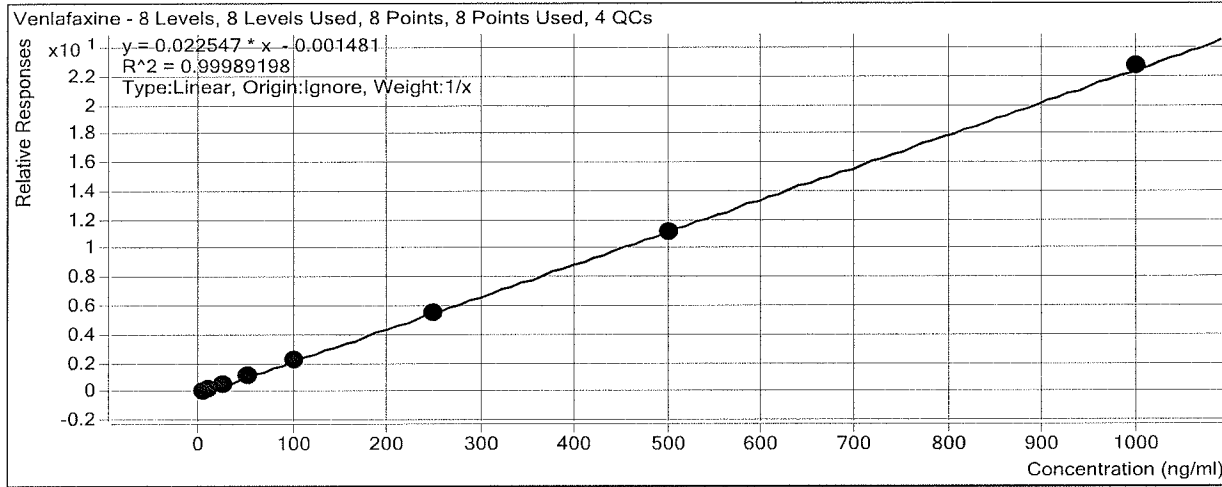
Batch Data Path D:\2017 Data\120617 mdq p1 and p2\QuantResults\120617 mdq p1a.batch.bin

Last Calib Update 12/8/2017 9:13 AM

Analyst Name ISP TOX

Target Compound Venlafaxine

Internal Standard Venlafaxine-D6



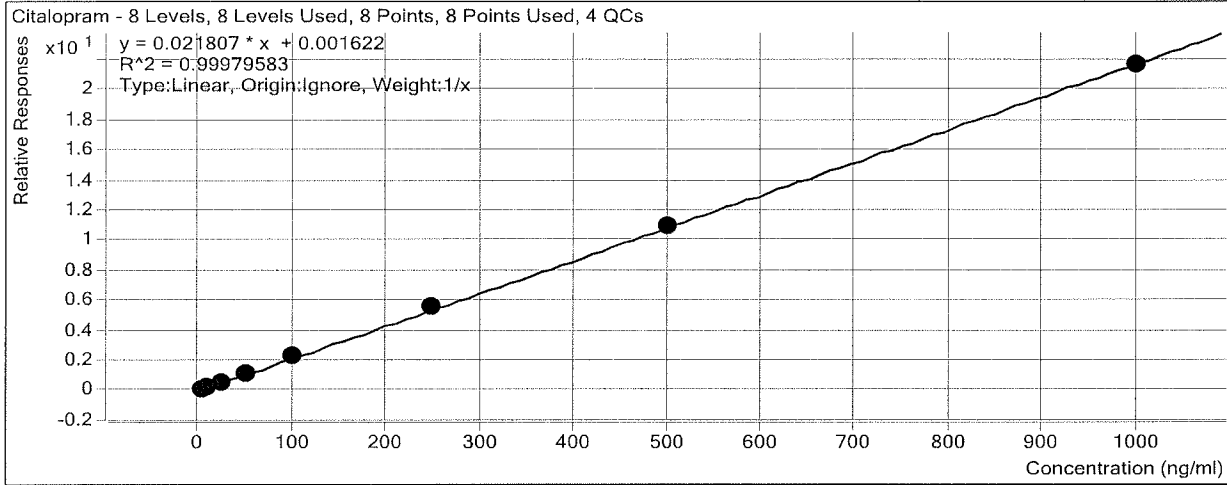
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	101.5
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.5	95.3
a QC 10	2	<input checked="" type="checkbox"/>	10	10.9	108.7
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.9	103.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.2	102.4
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.2	98.2
a qc 100	5	<input checked="" type="checkbox"/>	100	99.1	99.1
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	248.1	99.2
a QC 250	6	<input checked="" type="checkbox"/>	250	241.2	96.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	496.3	99.3
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1005.7	100.6
a qc 1000	8	<input checked="" type="checkbox"/>	1000	997.4	99.7

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\120617 mdq p1 and p2\QuantResults\120617 mdq p1a.batch.bin

Last Calib Update 12/8/2017 1:23 PM **Analyst Name** ISP TOX

Target Compound Citalopram
Internal Standard Citalopram-D6



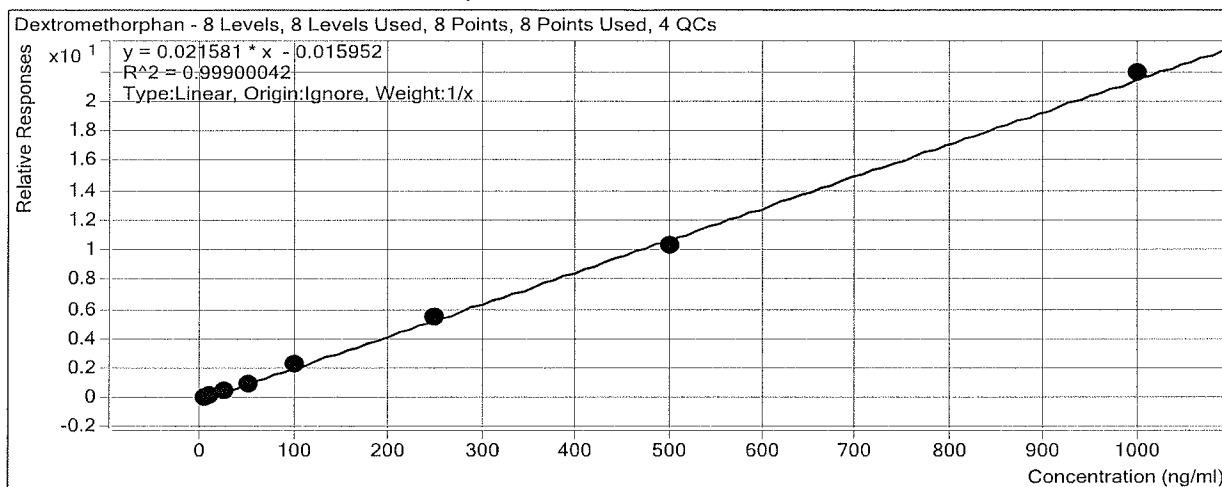
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.9	98.2
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	96.8
a QC 10	2	<input checked="" type="checkbox"/>	10	10.6	106.0
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.5	97.8
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.1	102.2
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.9	103.9
a qc 100	5	<input checked="" type="checkbox"/>	100	87.5	87.5
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	254.8	101.9
a QC 250	6	<input checked="" type="checkbox"/>	250	225.3	90.1
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	498.9	99.8
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	992.2	99.2
a qc 1000	8	<input checked="" type="checkbox"/>	1000	808.5	80.8

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\120617 mdq p1 and p2\QuantResults\120617 mdq p1a.batch.bin

Last Calib Update 12/8/2017 9:13 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	106.5
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	100.7
a QC 10	2	<input checked="" type="checkbox"/>	10	11.2	112.0
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.3	93.0
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.4	94.7
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	106.7	106.7
a qc 100	5	<input checked="" type="checkbox"/>	100	97.5	97.5
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	252.0	100.8
a QC 250	6	<input checked="" type="checkbox"/>	250	247.2	98.9
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	480.1	96.0
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1015.2	101.5
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1023.7	102.4

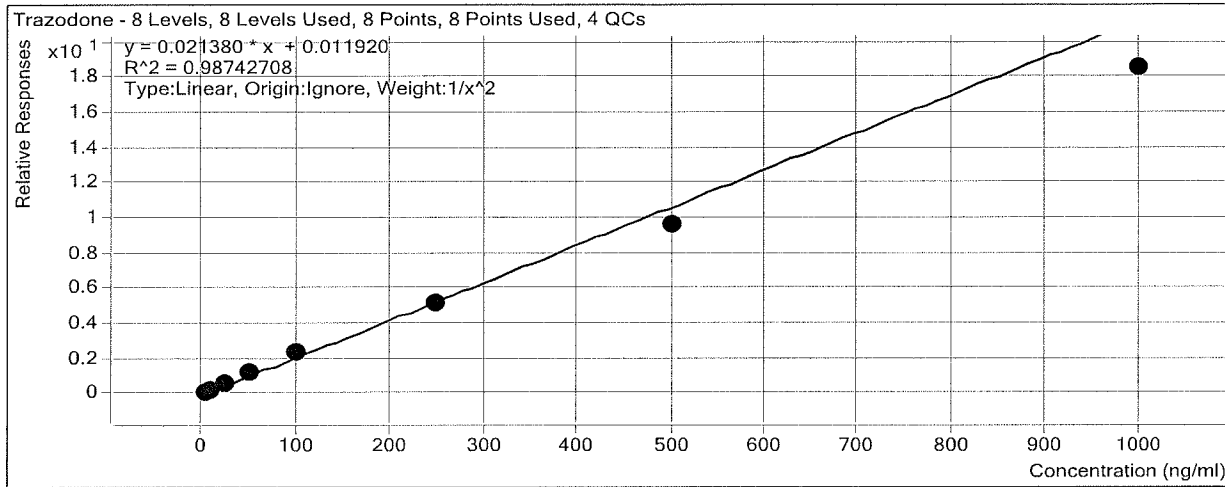
ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\120617 mdq p1 and p2\QuantResults\120617 mdq p1a.batch.bin

Last Calib Update 12/8/2017 9:13 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	4.8	96.2
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	100.6
a QC 10	2	<input checked="" type="checkbox"/>	10	10.9	109.0
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	27.5	110.0
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	57.2	114.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	106.9	106.9
a qc 100	5	<input checked="" type="checkbox"/>	100	105.5	105.5
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	239.0	95.6
a QC 250	6	<input checked="" type="checkbox"/>	250	247.2	98.9
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	449.1	89.8
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	865.7	86.6
a qc 1000	8	<input checked="" type="checkbox"/>	1000	777.5	77.8

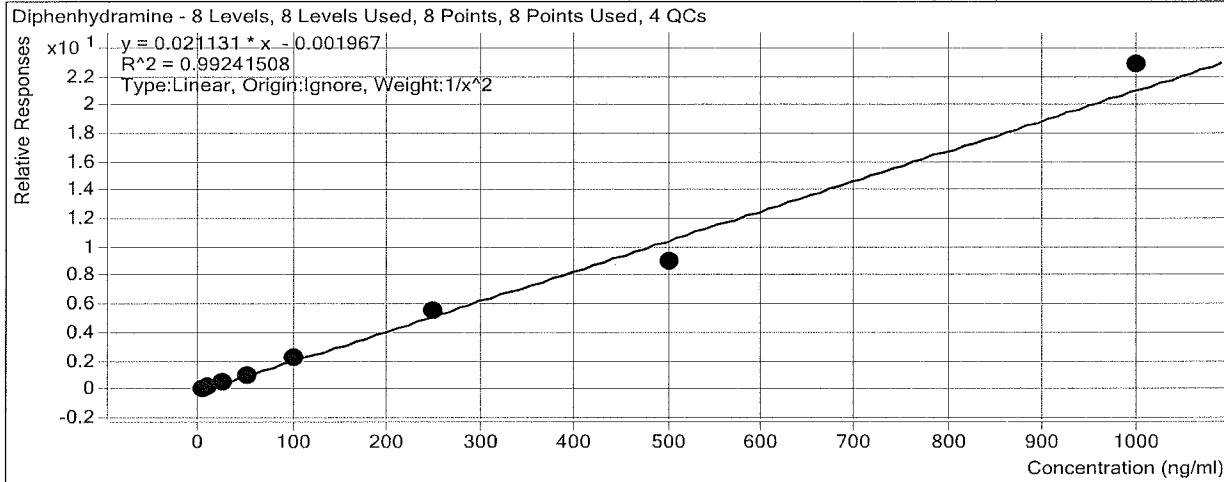
ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\120617 mdq p1 and p2\QuantResults\120617 mdq p1a.batch.bin

Last Calib Update 12/8/2017 9:13 AM **Analyst Name** ISP TOX

Target Compound *Diphenhydramine*

Internal Standard *Diphenhydramine-D3*



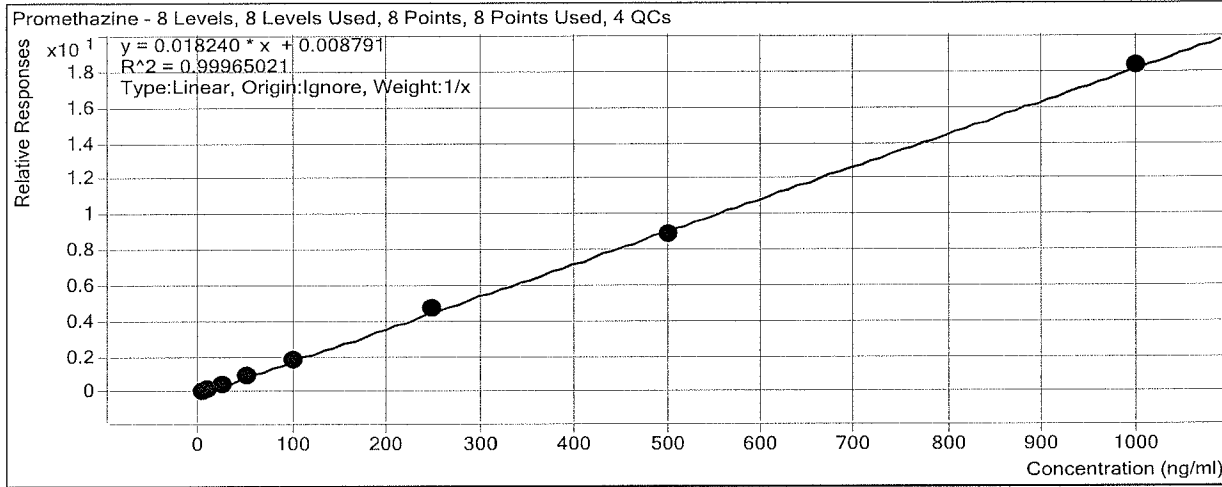
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	101.9
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	97.3
a QC 10	2	<input checked="" type="checkbox"/>	10	10.5	105.1
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.1	96.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.9	97.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	107.2	107.2
a qc 100	5	<input checked="" type="checkbox"/>	100	92.9	92.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	265.6	106.3
a QC 250	6	<input checked="" type="checkbox"/>	250	234.2	93.7
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	425.4	85.1
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1079.3	107.9
a qc 1000	8	<input checked="" type="checkbox"/>	1000	983.3	98.3

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\120617 mdq p1 and p2\QuantResults\120617 mdq p1a.batch.bin

Last Calib Update 12/8/2017 9:13 AM **Analyst Name** ISP TOX

Target Compound Promethazine
Internal Standard Promethazine-D3



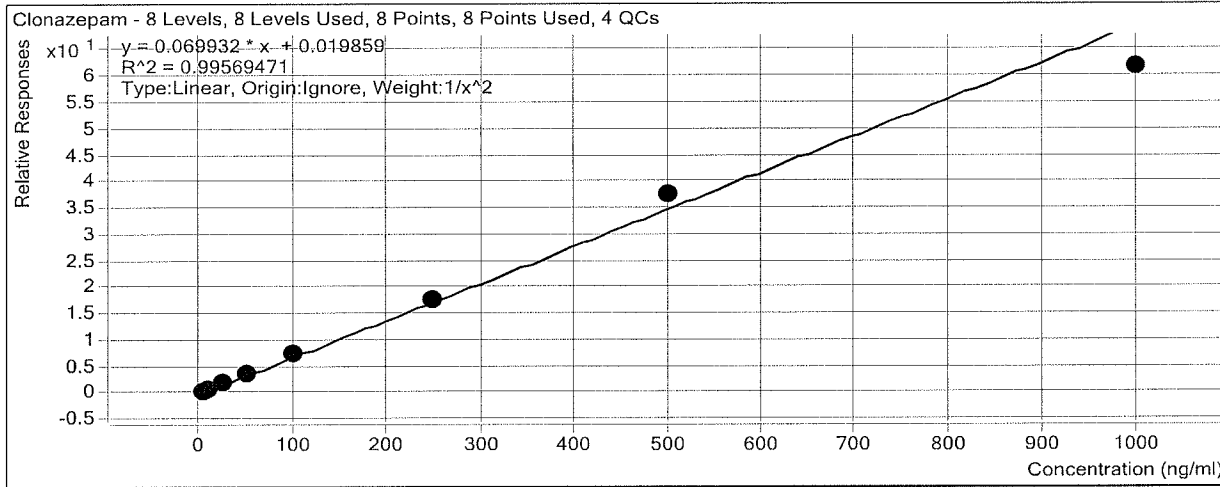
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.9	97.8
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.5	95.4
a QC 10	2	<input checked="" type="checkbox"/>	10	9.8	97.8
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.1	100.4
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.7	105.4
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.9	100.9
a qc 100	5	<input checked="" type="checkbox"/>	100	103.0	103.0
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	255.7	102.3
a QC 250	6	<input checked="" type="checkbox"/>	250	259.4	103.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	487.8	97.6
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1003.4	100.3
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1012.9	101.3

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\120617 mdq p1 and p2\QuantResults\120617 mdq p1a.batch.bin

Last Calib Update 12/8/2017 9:13 AM **Analyst Name** ISP TOX

Target Compound *Clonazepam*
Internal Standard *Clonazepam-D4*



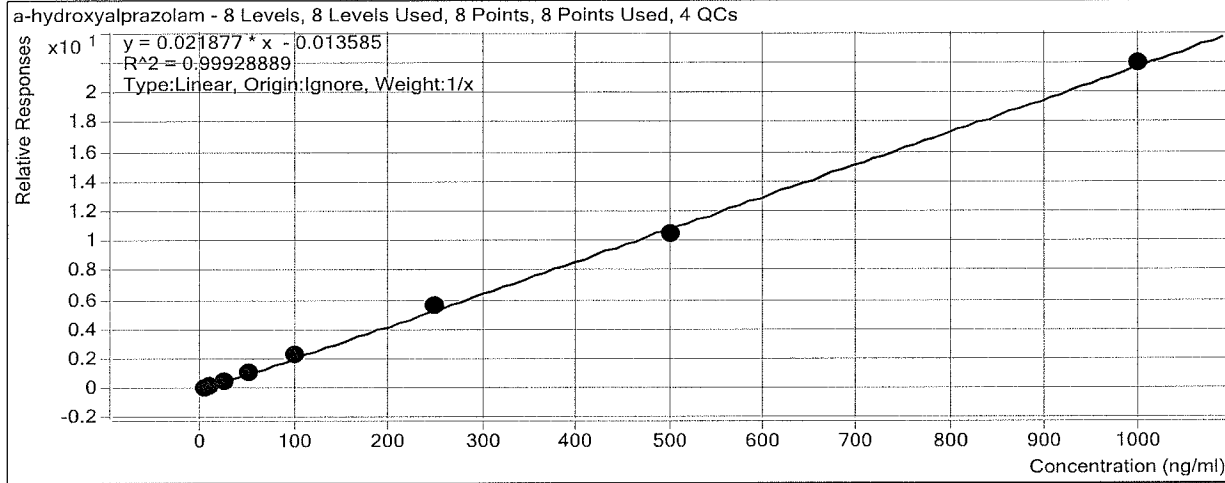
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	99.4
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	100.5
a QC 10	2	<input checked="" type="checkbox"/>	10	10.2	101.8
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.5	101.8
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.7	97.4
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.6	103.6
a qc 100	5	<input checked="" type="checkbox"/>	100	103.4	103.4
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	253.5	101.4
a QC 250	6	<input checked="" type="checkbox"/>	250	271.5	108.6
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	538.8	107.8
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	880.7	88.1
a qc 1000	8	<input checked="" type="checkbox"/>	1000	905.5	90.5

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\120617 mdq p1 and p2\QuantResults\120617 mdq p1a.batch.bin

Last Calib Update 12/8/2017 9:13 AM **Analyst Name** ISP TOX

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



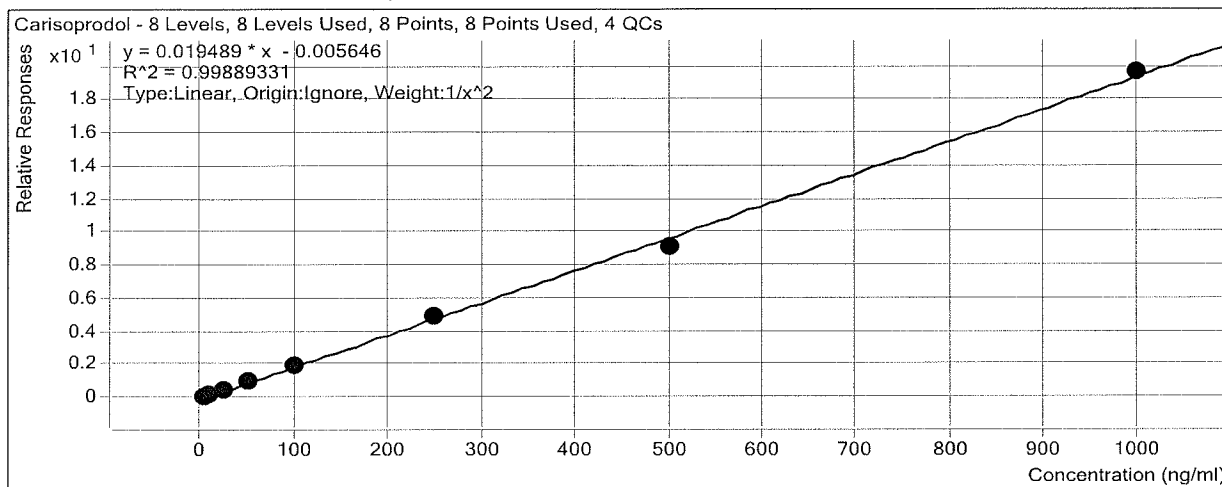
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	103.4
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.4	93.6
a QC 10	2	<input checked="" type="checkbox"/>	10	10.9	108.5
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.9	99.5
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.5	98.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.1	103.1
a qc 100	5	<input checked="" type="checkbox"/>	100	100.8	100.8
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	261.3	104.5
a QC 250	6	<input checked="" type="checkbox"/>	250	244.4	97.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	482.9	96.6
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1003.8	100.4
a qc 1000	8	<input checked="" type="checkbox"/>	1000	976.2	97.6

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\120617 mdq p1 and p2\QuantResults\120617 mdq p1a.batch.bin

Last Calib Update 12/8/2017 9:13 AM **Analyst Name** ISP TOX

Target Compound Carisoprodol
Internal Standard Carisoprodol-D7



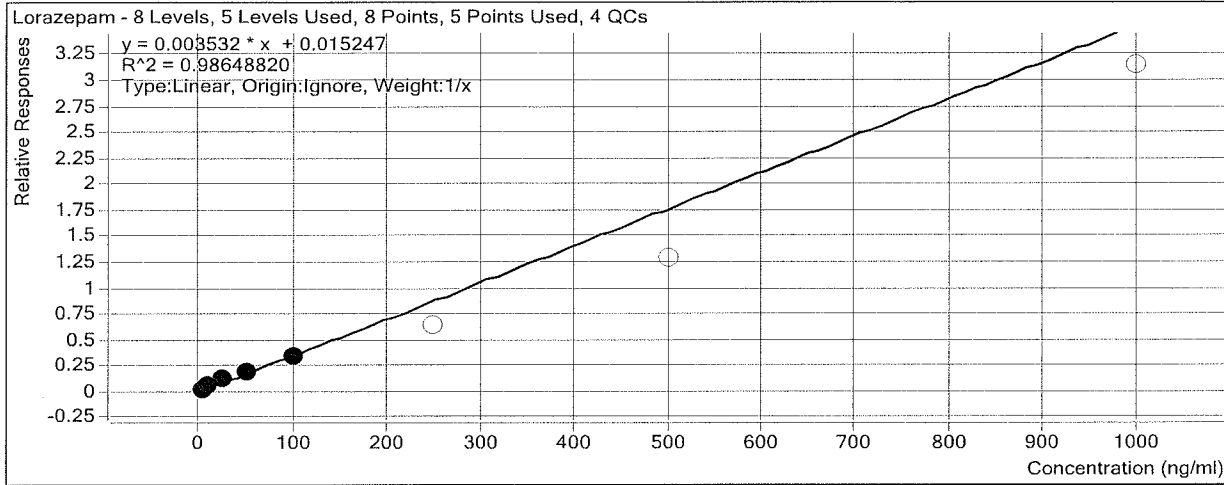
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	99.9
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	98.9
a QC 10	2	<input checked="" type="checkbox"/>	10	10.4	104.3
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.4	101.4
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.1	104.2
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.6	99.6
a qc 100	5	<input checked="" type="checkbox"/>	100	94.5	94.5
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	252.9	101.1
a QC 250	6	<input checked="" type="checkbox"/>	250	195.6	78.2
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	470.3	94.1
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1007.2	100.7
a qc 1000	8	<input checked="" type="checkbox"/>	1000	982.8	98.3

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\120617 mdq p1 and p2\QuantResults\120617 mdq p1a.batch.bin

Last Calib Update 12/8/2017 9:13 AM **Analyst Name** ISP TOX

Target Compound Lorazepam
Internal Standard Alprazolam-D5



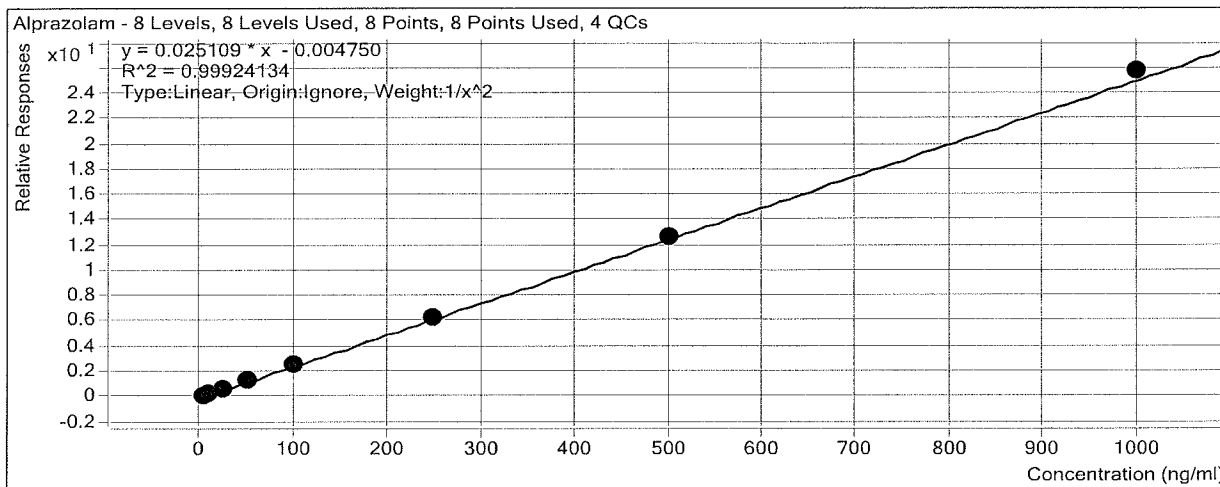
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	3.7	74.1
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	11.0	110.3
a QC 10	2	<input checked="" type="checkbox"/>	10	10.6	106.2
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	29.8	119.3
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.8	101.7
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	94.6	94.6
a qc 100	5	<input checked="" type="checkbox"/>	100	92.4	92.4
a cal 6-250ng	6	<input type="checkbox"/>	250	179.1	71.6
a QC 250	6	<input type="checkbox"/>	250	190.4	76.2
a cal 7-500ng	7	<input type="checkbox"/>	500	359.0	71.8
a cal 8-1000ng	8	<input type="checkbox"/>	1000	885.0	88.5
a qc 1000	8	<input type="checkbox"/>	1000	802.7	80.3

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\120617 mdq p1 and p2\QuantResults\120617 mdq p1a.batch.bin

Last Calib Update 12/8/2017 9:13 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	102.3
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	96.5
a QC 10	2	<input checked="" type="checkbox"/>	10	9.8	97.6
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.3	97.2
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.4	98.7
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.6	102.6
a qc 100	5	<input checked="" type="checkbox"/>	100	101.5	101.5
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	249.5	99.8
a QC 250	6	<input checked="" type="checkbox"/>	250	250.5	100.2
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	502.2	100.4
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1024.6	102.5
a qc 1000	8	<input checked="" type="checkbox"/>	1000	975.8	97.6

ISP FORENSICS - Cd'A Instrument # 62340

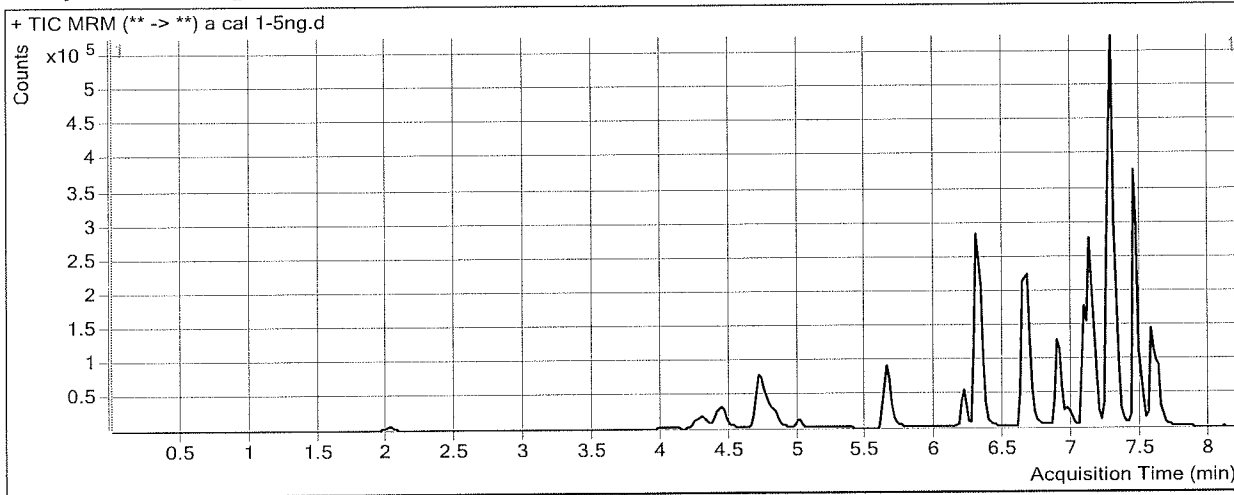
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\120617 mdq p1 and p2\QuantResults\120617 mdq p1a.batch.bin
Analysis Time 12/8/2017 1:23 PM **Analyst Name** ISP Tox
Report Time 12/8/2017 1:30 PM **Reporter Name** ISP Tox
Last Calib Update 12/8/2017 1:23 PM **Batch State** Processed

Analysis Info

Acq Time 2017-12-06 16:20 **Data File** a cal 1-5ng.d
Sample Type Calibration **Sample Name** a cal 1-5ng
Dilution 1 **Acq Method** Quant Panel 1a 10-17.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	1.348	957	1912	0.5008	5.4283
Hydromorphone	Hydromorphone-D6	2.049	5150	30083	0.1712	5.0980
Codeine	Codeine-D6	4.095	2251	17464	0.1289	6.0146
Amphetamine	Amphetamine-D11	4.443	54626	94979	0.5751	4.7946
Oxycodone	Oxycodone-D6	4.489	9232	75034	0.1230	5.1812
Hydrocodone	Hydrocodone-D6	4.794	7606	79249	0.0960	4.5100
Norhydrocodone	Norhydrocodone-D3	4.818	711	30013	0.0237	5.2967
Methamphetamine	Methamphetamine-D11	4.841	50694	316118	0.1604	4.9062
6-MAM	6-MAM-D6	5.008	445	31903	0.0139	5.5177
Phentermine	Phentermine-D5	5.686	10112	303890	0.0333	3.9264
Dextroprophan	Dextroprophan-D3	6.203	9266	143302	0.0647	5.1387
7-aminoclonazepam	7-Aminoclonazepam-D4	6.312	11223	96290	0.1166	3.8571
Tramadol	Tramadol-13C-D3	6.322	77985	680053	0.1147	4.7966
Doxylamine	Doxylamine-D5	6.662	67469	667838	0.1010	5.0451
Bupropion	Bupropion-D9	6.910	43052	385971	0.1115	5.0772
Meprobamate	Meprobamate-D7	6.992	3221	49850	0.0646	5.7300
Zolpidem	Zolpidem-D6	7.102	47599	456007	0.1044	4.4181
Venlafaxine	Venlafaxine-D6	7.125	68828	609302	0.1130	5.0757
Citalopram	Citalopram-D6	7.257	48989	450593	0.1087	4.9111
Dextromethorphan	Dextromethorphan-D3	7.268	12135	122645	0.0989	5.3240
Trazodone	Trazodone-D6	7.275	43023	375018	0.1147	4.8083
Diphenhydramine	Diphenhydramine-D3	7.291	83502	790055	0.1057	5.0947
Promethazine	Promethazine-D3	7.446	85349	871299	0.0980	4.8884

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

pla call

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.502	10278	27966	0.3675	4.9713
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.560	2888	29030	0.0995	5.1688
Carisoprodol	Carisoprodol-D7	7.592	24881	271336	0.0917	4.9947
Lorazepam	Alprazolam-D5	7.602	4803	169493	0.0283	3.7063
Alprazolam	Alprazolam-D5	7.626	20964	169493	0.1237	5.1151



ISP FORENSICS - Cd'A Instrument # 62340

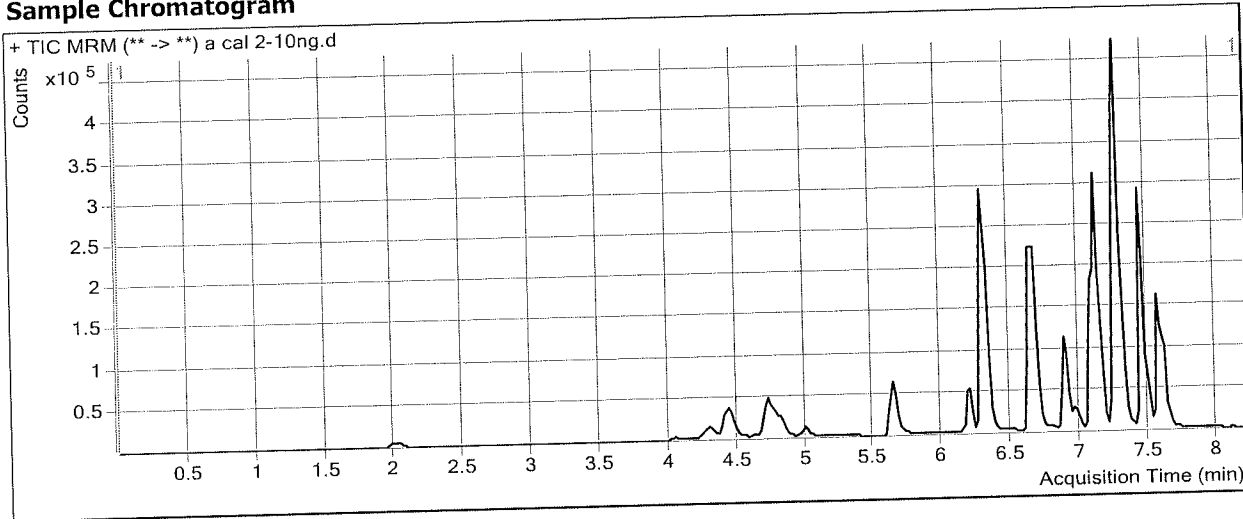
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\120617 mdq p1 and p2\QuantResults\120617 mdq p1a.batch.bin		
Analysis Time	12/8/2017 1:23 PM	Analyst Name	ISP Tox
Report Time	12/8/2017 1:30 PM	Reporter Name	ISP Tox
Last Calib Update	12/8/2017 1:23 PM	Batch State	Processed

Analysis Info

Acq Time	2017-12-06 16:45	Data File	a cal 2-10ng.d
Sample Type	Calibration	Sample Name	a cal 2-10ng
Dilution	1	Acq Method	Quant Panel 1a 10-17.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	1.348	1651	1697	0.9729	10.2708
Hydromorphone	Hydromorphone-D6	2.049	8661	27279	0.3175	9.7875
Codeine	Codeine-D6	4.134	3920	16819	0.2331	10.0078
Amphetamine	Amphetamine-D11	4.443	65186	63081	1.0334	10.5635
Oxycodone	Oxycodone-D6	4.489	16540	72965	0.2267	9.4307
Hydrocodone	Hydrocodone-D6	4.794	14043	76312	0.1840	9.3914
Norhydrocodone	Norhydrocodone-D3	4.818	1293	28102	0.0460	9.3088
Methamphetamine	Methamphetamine-D11	4.841	43985	143453	0.3066	10.2882
6-MAM	6-MAM-D6	5.008	879	30576	0.0288	11.3320
Phentermine	Phentermine-D5	5.686	13200	214904	0.0614	8.7598
Dextroprphan	Dextroprphan-D3	6.203	15800	131042	0.1206	9.5189
7-aminoclonazepam	7-Aminoclonazepam-D4	6.312	21390	93243	0.2294	9.2477
Tramadol	Tramadol-13C-D3	6.322	137435	658144	0.2088	9.6474
Doxylamine	Doxylamine-D5	6.662	131114	661722	0.1981	9.6796
Bupropion	Bupropion-D9	6.910	63214	303973	0.2080	9.5093
Meprobamate	Meprobamate-D7	6.992	7937	49424	0.1606	11.3512
Zolpidem	Zolpidem-D6	7.102	88805	439514	0.2021	9.3948
Venlafaxine	Venlafaxine-D6	7.125	125310	587426	0.2133	9.5268
Citalopram	Citalopram-D6	7.257	77384	363628	0.2128	9.6843
Dextromethorphan	Dextromethorphan-D3	7.268	17434	86549	0.2014	10.0731
Trazodone	Trazodone-D6	7.275	62328	274476	0.2271	10.0635
Diphenhydramine	Diphenhydramine-D3	7.291	116153	570571	0.2036	9.7269
Promethazine	Promethazine-D3	7.446	104581	572036	0.1828	9.5412

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

Placal 2

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.502	20100	27818	0.7225	10.0479
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.560	5296	27692	0.1913	9.3629
Carisoprodol	Carisoprodol-D7	7.592	47571	254247	0.1871	9.8901
Lorazepam	Alprazolam-D5	7.602	8823	162782	0.0542	11.0301
Alprazolam	Alprazolam-D5	7.626	38663	162782	0.2375	9.6483



ISP FORENSICS - Cd'A Instrument # 62340

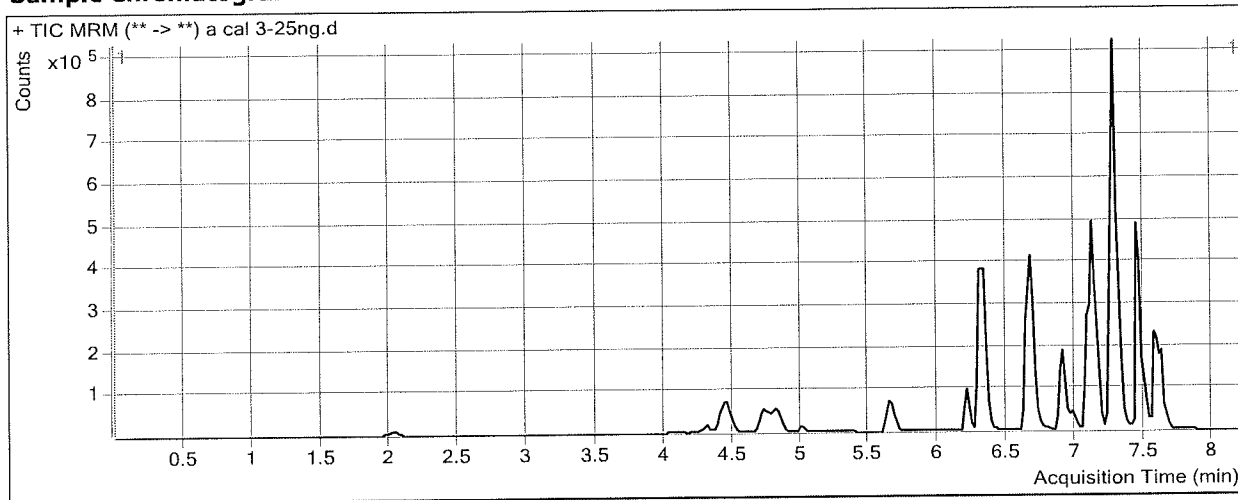
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\120617 mdq p1 and p2\QuantResults\120617 mdq p1a.batch.bin
Analysis Time 12/8/2017 1:23 PM **Analyst Name** ISP Tox
Report Time 12/8/2017 1:30 PM **Reporter Name** ISP Tox
Last Calib Update 12/8/2017 1:23 PM **Batch State** Processed

Analysis Info

Acq Time 2017-12-06 17:11 **Data File** a cal 3-25ng.d
Sample Type Calibration **Sample Name** a cal 3-25ng
Dilution 1 **Acq Method** Quant Panel 1a 10-17.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	1.348	4831	2074	2.3289	24.1788
Hydromorphone	Hydromorphone-D6	2.049	24057	31641	0.7603	23.9804
Codeine	Codeine-D6	4.134	11422	19215	0.5944	23.8602
Amphetamine	Amphetamine-D11	4.443	172501	75877	2.2734	26.1759
Oxycodone	Oxycodone-D6	4.489	52362	87928	0.5955	24.5530
Hydrocodone	Hydrocodone-D6	4.794	42175	90356	0.4668	25.0691
Norhydrocodone	Norhydrocodone-D3	4.838	3851	32204	0.1196	22.5419
Methamphetamine	Methamphetamine-D11	4.841	120366	173443	0.6940	24.5427
6-MAM	6-MAM-D6	5.028	2028	36659	0.0553	21.7652
Phentermine	Phentermine-D5	5.706	41782	255180	0.1637	26.3278
Dextrorphan	Dextrorphan-D3	6.203	50444	164896	0.3059	24.0402
7-aminoclonazepam	7-Aminoclonazepam-D4	6.312	63423	107398	0.5905	26.4995
Tramadol	Tramadol-13C-D3	6.322	397891	771420	0.5158	25.4634
Doxylamine	Doxylamine-D5	6.682	399020	747853	0.5336	25.6863
Bupropion	Bupropion-D9	6.910	214318	377778	0.5673	26.0277
Meprobamate	Meprobamate-D7	6.992	21652	58240	0.3718	23.7203
Zolpidem	Zolpidem-D6	7.102	280910	530906	0.5291	26.0596
Venlafaxine	Venlafaxine-D6	7.125	381965	655978	0.5823	25.8909
Citalopram	Citalopram-D6	7.257	256214	478972	0.5349	24.4552
Dextromethorphan	Dextromethorphan-D3	7.268	61209	125991	0.4858	23.2501
Trazodone	Trazodone-D6	7.275	227832	379901	0.5997	27.4922
Diphenhydramine	Diphenhydramine-D3	7.291	399461	786084	0.5082	24.1412
Promethazine	Promethazine-D3	7.446	379402	813357	0.4665	25.0916

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

Placal 3

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.502	52166	28978	1.8002	25.4579
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.560	17765	33481	0.5306	24.8750
Carisoprodol	Carisoprodol-D7	7.592	140935	288508	0.4885	25.3544
Lorazepam	Alprazolam-D5	7.602	22825	189321	0.1206	29.8201
Alprazolam	Alprazolam-D5	7.626	114633	189321	0.6055	24.3033



ISP FORENSICS - Cd'A Instrument # 62340

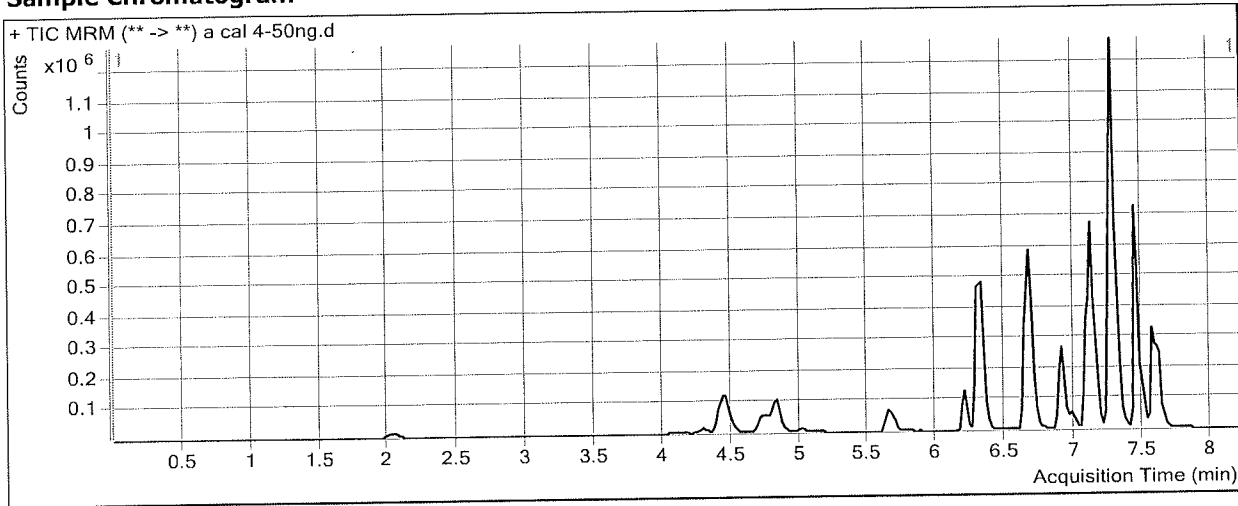
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\120617 mdq p1 and p2\QuantResults\120617 mdq p1a.batch.bin
Analysis Time 12/8/2017 1:23 PM **Analyst Name** ISP Tox
Report Time 12/8/2017 1:30 PM **Reporter Name** ISP Tox
Last Calib Update 12/8/2017 1:23 PM **Batch State** Processed

Analysis Info

Acq Time 2017-12-06 17:36 **Data File** a cal 4-50ng.d
Sample Type Calibration **Sample Name** a cal 4-50ng
Dilution 1 **Acq Method** Quant Panel 1a 10-17.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	1.348	9101	1804	5.0457	52.0439
Hydromorphone	Hydromorphone-D6	2.049	44735	28882	1.5488	49.2543
Codeine	Codeine-D6	4.115	21510	17242	1.2476	48.8959
Amphetamine	Amphetamine-D11	4.443	321860	74589	4.3151	51.8804
Oxycodone	Oxycodone-D6	4.489	96147	79685	1.2066	49.6077
Hydrocodone	Hydrocodone-D6	4.794	80333	82864	0.9695	52.9421
Norhydrocodone	Norhydrocodone-D3	4.838	7646	29604	0.2583	47.4794
Methamphetamine	Methamphetamine-D11	4.841	273660	189552	1.4437	52.1323
6-MAM	6-MAM-D6	5.028	4094	33722	0.1214	47.7016
Phentermine	Phentermine-D5	5.706	80521	241699	0.3331	55.4180
Dextroprhan	Dextroprhan-D3	6.203	97078	148536	0.6536	51.2776
7-aminoclonazepam	7-Aminoclonazepam-D4	6.312	116880	98132	1.1911	55.1863
Tramadol	Tramadol-13C-D3	6.322	710973	701312	1.0138	51.1212
Doxylamine	Doxylamine-D5	6.662	757922	735025	1.0312	49.4327
Bupropion	Bupropion-D9	6.910	401668	363940	1.1037	50.6825
Meprobamate	Meprobamate-D7	6.992	36648	48871	0.7499	45.8686
Zolpidem	Zolpidem-D6	7.102	501747	491546	1.0208	51.1100
Venlafaxine	Venlafaxine-D6	7.125	722070	626308	1.1529	51.1985
Citalopram	Citalopram-D6	7.257	501242	448950	1.1165	51.1230
Dextromethorphan	Dextromethorphan-D3	7.268	116828	116101	1.0063	47.3650
Trazodone	Trazodone-D6	7.275	430209	348556	1.2343	57.1711
Diphenhydramine	Diphenhydramine-D3	7.291	764095	740529	1.0318	48.9224
Promethazine	Promethazine-D3	7.446	783041	807456	0.9698	52.6847

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

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Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.482	89728	26188	3.4264	48.7118
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.560	29989	28072	1.0683	49.4510
Carisoprodol	Carisoprodol-D7	7.592	250676	248162	1.0101	52.1191
Lorazepam	Alprazolam-D5	7.602	33247	170642	0.1948	50.8498
Alprazolam	Alprazolam-D5	7.626	210686	170642	1.2347	49.3605

ISP FORENSICS - Cd'A Instrument # 62340

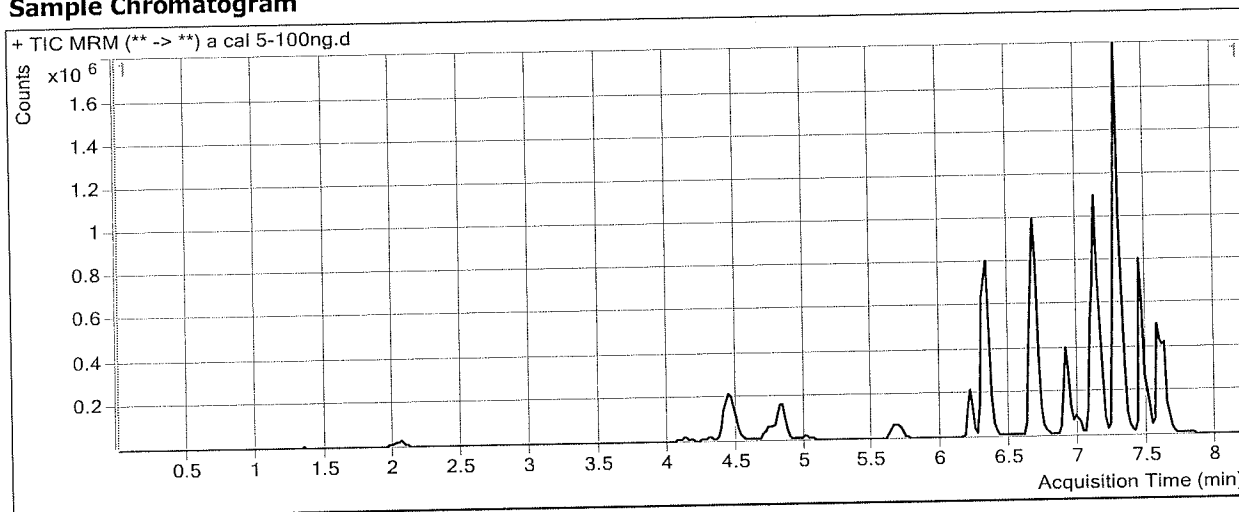
Multi-Drug Confirmatory Analysis Report

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Analysis Time	12/8/2017 1:23 PM	Analyst Name	ISP Tox
Report Time	12/8/2017 1:30 PM	Reporter Name	ISP Tox
Last Calib Update	12/8/2017 1:23 PM	Batch State	Processed

Analysis Info

Acq Time	2017-12-06 18:02	Data File	a cal 5-100ng.d
Sample Type	Calibration	Sample Name	a cal 5-100ng
Dilution	1	Acq Method	Quant Panel 1a 10-17.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	1.348	17975	2005	8.9643	92.2369
Hydromorphone	Hydromorphone-D6	2.049	89631	28315	3.1655	101.0727
Codeine	Codeine-D6	4.134	41654	17714	2.3514	91.2095
Amphetamine	Amphetamine-D11	4.443	570772	67655	8.4365	103.7681
Oxycodone	Oxycodone-D6	4.489	207361	82842	2.5031	102.7655
Hydrocodone	Hydrocodone-D6	4.794	164820	84551	1.9494	107.2751
Norhydrocodone	Norhydrocodone-D3	4.838	15340	28594	0.5365	97.5017
Methamphetamine	Methamphetamine-D11	4.841	392946	133031	2.9538	107.7010
6-MAM	6-MAM-D6	5.028	8305	34022	0.2441	95.8756
Phentermine	Phentermine-D5	5.706	146471	220518	0.6642	112.2659
Dextrorphan	Dextrorphan-D3	6.203	197030	150649	1.3079	102.5409
7-aminoclonazepam	7-Aminoclonazepam-D4	6.312	226133	97403	2.3216	109.1939
Tramadol	Tramadol-13C-D3	6.322	1452867	722286	2.0115	102.5263
Doxylamine	Doxylamine-D5	6.662	1555374	700149	2.2215	106.2383
Bupropion	Bupropion-D9	6.910	698599	323398	2.1602	99.2481
Meprobamate	Meprobamate-D7	6.992	81749	52051	1.5706	93.9363
Zolpidem	Zolpidem-D6	7.102	1040303	484287	2.1481	108.5525
Venlafaxine	Venlafaxine-D6	7.125	1401168	633332	2.2124	98.1878
Citalopram	Citalopram-D6	7.257	866537	382036	2.2682	103.9370
Dextromethorphan	Dextromethorphan-D3	7.268	204951	89607	2.2872	106.7194
Trazodone	Trazodone-D6	7.275	704854	306758	2.2977	106.9123
Diphenhydramine	Diphenhydramine-D3	7.291	1421999	628507	2.2625	107.1624
Promethazine	Promethazine-D3	7.446	1132343	612348	1.8492	100.8982

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

Placal 5

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.482	169098	23275	7.2651	103.6036
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.560	57157	25495	2.2419	103.0952
Carisoprodol	Carisoprodol-D7	7.572	471834	243743	1.9358	99.6141
Lorazepam	Alprazolam-D5	7.602	55647	159297	0.3493	94.5937
Alprazolam	Alprazolam-D5	7.626	409577	159297	2.5712	102.5870



ISP FORENSICS - Cd'A Instrument # 62340

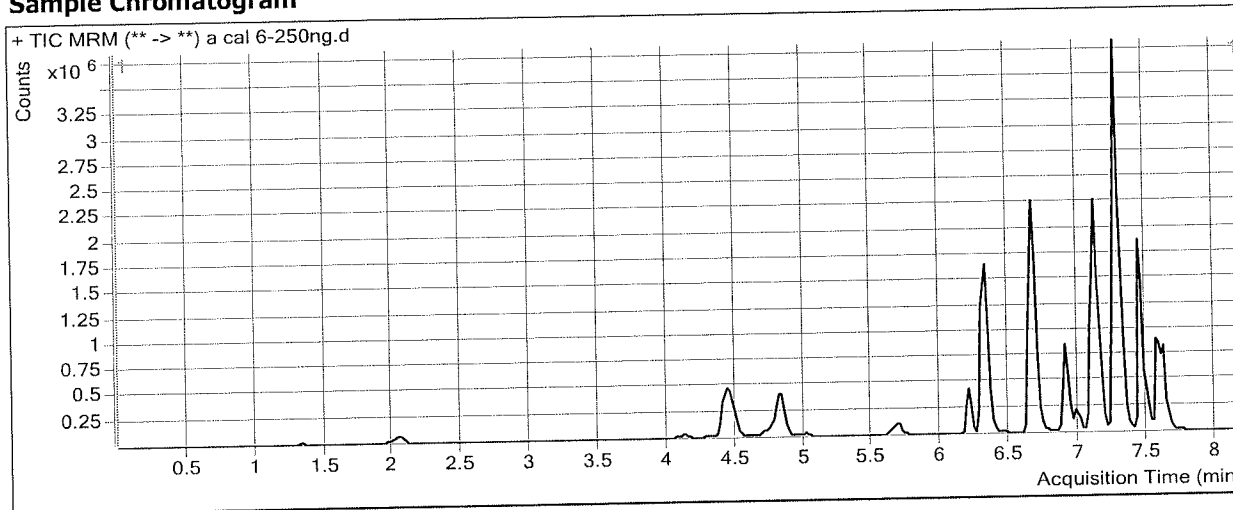
Multi-Drug Confirmatory Analysis Report

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Analysis Time	12/8/2017 1:23 PM	Analyst Name	ISP Tox
Report Time	12/8/2017 1:30 PM	Reporter Name	ISP Tox
Last Calib Update	12/8/2017 1:23 PM	Batch State	Processed

Analysis Info

Acq Time	2017-12-06 18:27	Data File	a cal 6-250ng.d
Sample Type	Calibration	Sample Name	a cal 6-250ng
Dilution	1	Acq Method	Quant Panel 1a 10-17.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	1.348	46531	2035	22.8633	234.7945
Hydromorphone	Hydromorphone-D6	2.049	239153	31075	7.6959	246.2809
Codeine	Codeine-D6	4.115	103424	17309	5.9753	230.1225
Amphetamine	Amphetamine-D11	4.443	1356718	73336	18.4999	230.4648
Oxycodone	Oxycodone-D6	4.489	540979	86651	6.2432	256.1142
Hydrocodone	Hydrocodone-D6	4.794	403700	85320	4.7316	261.5428
Norhydrocodone	Norhydrocodone-D3	4.838	37389	27213	1.3739	248.0812
Methamphetamine	Methamphetamine-D11	4.841	1120417	160655	6.9741	255.6426
6-MAM	6-MAM-D6	5.028	21461	35365	0.6068	238.2636
Phentermine	Phentermine-D5	5.706	351553	222533	1.5798	269.4810
Dextrorphan	Dextrorphan-D3	6.203	481229	151728	3.1717	248.5633
7-aminoclonazepam	7-Aminoclonazepam-D4	6.312	519643	92635	5.6096	266.2597
Tramadol	Tramadol-13C-D3	6.322	3724118	741794	5.0204	257.5564
Doxylamine	Doxylamine-D5	6.662	3643219	702596	5.1854	247.6809
Bupropion	Bupropion-D9	6.910	1708140	313015	5.4571	250.7967
Meprobamate	Meprobamate-D7	6.992	210240	55328	3.7999	224.5087
Zolpidem	Zolpidem-D6	7.102	2547792	496641	5.1301	260.4913
Venlafaxine	Venlafaxine-D6	7.125	3332122	595852	5.5922	248.0879
Citalopram	Citalopram-D6	7.257	2094480	376764	5.5591	254.8461
Dextromethorphan	Dextromethorphan-D3	7.268	531727	98056	5.4227	252.0060
Trazodone	Trazodone-D6	7.275	1788758	349305	5.1209	238.9561
Diphenhydramine	Diphenhydramine-D3	7.291	3609406	643267	5.6111	265.6270
Promethazine	Promethazine-D3	7.446	3317927	709949	4.6735	255.7381



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

Pla cal 6

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.482	297155	16744	17.7475	253.4974
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.560	117912	20673	5.7037	261.3346
Carisoprodol	Carisoprodol-D7	7.592	1009299	205033	4.9226	252.8683
Lorazepam	Alprazolam-D5	7.602	92929	143448	0.6478	179.1114
Alprazolam	Alprazolam-D5	7.626	897925	143448	6.2596	249.4804



ISP FORENSICS - Cd'A Instrument # 62340

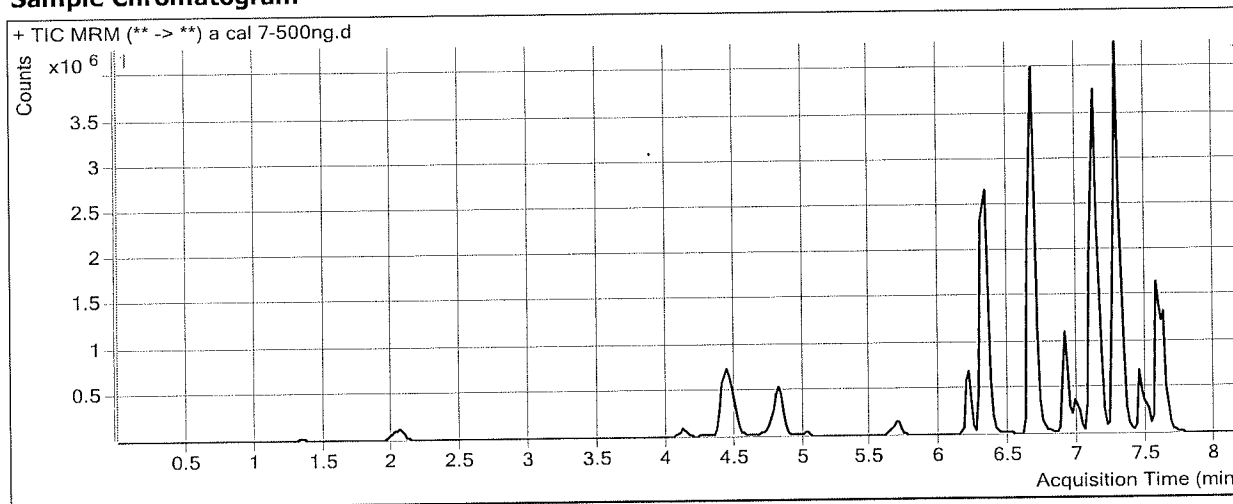
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\120617 mdq p1 and p2\QuantResults\120617 mdq p1a.batch.bin		
Analysis Time	12/8/2017 1:23 PM	Analyst Name	ISP Tox
Report Time	12/8/2017 1:30 PM	Reporter Name	ISP Tox
Last Calib Update	12/8/2017 1:23 PM	Batch State	Processed

Analysis Info

Acq Time	2017-12-06 18:53	Data File	a cal 7-500ng.d
Sample Type	Calibration	Sample Name	a cal 7-500ng
Dilution	1	Acq Method	Quant Panel 1a 10-17.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	1.348	87351	1805	48.3915	496.6306
Hydromorphone	Hydromorphone-D6	2.049	447695	27983	15.9991	512.4128
Codeine	Codeine-D6	4.115	197916	15160	13.0549	501.5027
Amphetamine	Amphetamine-D11	4.443	2047923	54543	37.5473	470.2676
Oxycodone	Oxycodone-D6	4.489	1041373	84006	12.3965	508.4044
Hydrocodone	Hydrocodone-D6	4.794	733088	81316	9.0153	499.0617
Norhydrocodone	Norhydrocodone-D3	4.818	67147	22531	2.9802	536.9164
Methamphetamine	Methamphetamine-D11	4.841	1232286	88623	13.9048	510.6836
6-MAM	6-MAM-D6	5.008	42697	33044	1.2921	507.2738
Phentermine	Phentermine-D5	5.686	533838	178115	2.9972	512.8616
Dextroprphan	Dextroprphan-D3	6.203	848815	127458	6.6596	521.8329
7-aminoclonazepam	7-Aminoclonazepam-D4	6.312	848616	78703	10.7825	513.3753
Tramadol	Tramadol-13C-D3	6.322	6546467	685964	9.5435	490.5978
Doxylamine	Doxylamine-D5	6.662	7154611	692552	10.3308	493.2319
Bupropion	Bupropion-D9	6.910	2306434	216491	10.6537	489.6741
Meprobamate	Meprobamate-D7	6.992	441038	53988	8.1691	480.4228
Zolpidem	Zolpidem-D6	7.102	4659629	469451	9.9257	504.8438
Venlafaxine	Venlafaxine-D6	7.125	5730311	512134	11.1891	496.3184
Citalopram	Citalopram-D6	7.237	2292960	210734	10.8808	498.8793
Dextromethorphan	Dextromethorphan-D3	7.268	398469	38516	10.3455	480.1102
Trazodone	Trazodone-D6	7.275	2600148	270440	9.6145	449.1303
Diphenhydramine	Diphenhydramine-D3	7.291	3555060	395526	8.9882	425.4444
Promethazine	Promethazine-D3	7.446	1181709	132695	8.9054	487.7520

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

Placal 7

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.482	485280	12872	37.7007	538.8199
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.560	205216	19449	10.5517	482.9297
Carisoprodol	Carisoprodol-D7	7.572	1820496	198731	9.1606	470.3180
Lorazepam	Alprazolam-D5	7.602	158181	123272	1.2832	359.0114
Alprazolam	Alprazolam-D5	7.626	1553930	123272	12.6057	502.2205



ISP FORENSICS - Cd'A Instrument # 62340

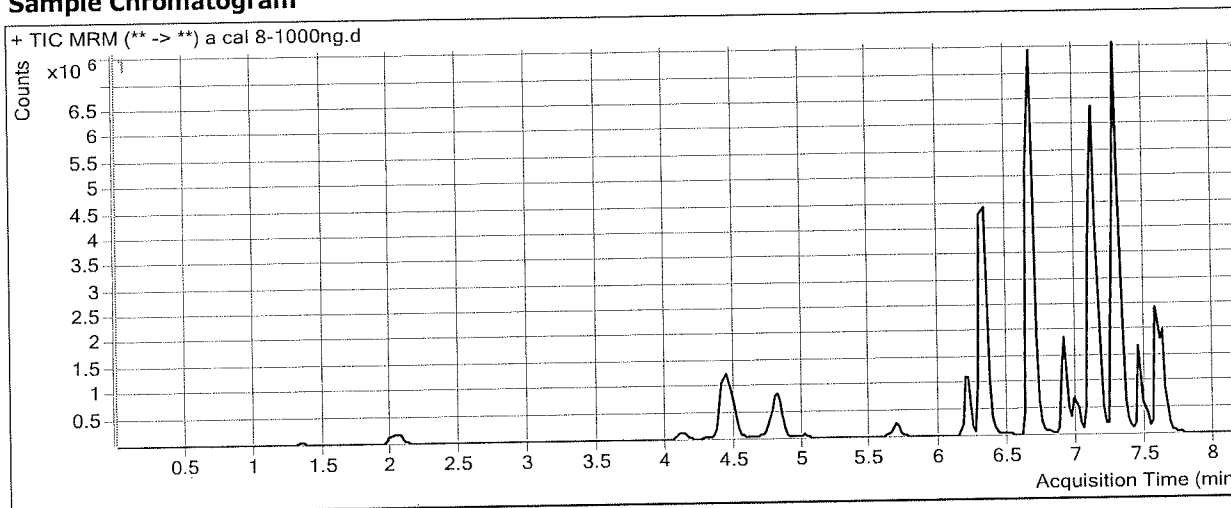
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\120617 mdq p1 and p2\QuantResults\120617 mdq p1a.batch.bin
Analysis Time 12/8/2017 1:23 PM **Analyst Name** ISP Tox
Report Time 12/8/2017 1:30 PM **Reporter Name** ISP Tox
Last Calib Update 12/8/2017 1:23 PM **Batch State** Processed

Analysis Info

Acq Time 2017-12-06 19:18 **Data File** a cal 8-1000ng.d
Sample Type Calibration **Sample Name** a cal 8-1000ng
Dilution 1 **Acq Method** Quant Panel 1a 10-17.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	1.348	149734	1500	99.8491	1024.4161
Hydromorphone	Hydromorphone-D6	2.049	796665	24622	32.3556	1036.6708
Codeine	Codeine-D6	4.115	357929	13356	26.7999	1028.3869
Amphetamine	Amphetamine-D11	4.443	3475298	51269	67.7854	850.9606
Oxycodone	Oxycodone-D6	4.489	2066156	85464	24.1756	991.3618
Hydrocodone	Hydrocodone-D6	4.794	1361432	76948	17.6928	980.2078
Norhydrocodone	Norhydrocodone-D3	4.818	122442	19723	6.2082	1117.3361
Methamphetamine	Methamphetamine-D11	4.821	1983342	86308	22.9799	844.6369
6-MAM	6-MAM-D6	5.008	80232	31115	2.5786	1012.2706
Phentermine	Phentermine-D5	5.686	925858	166866	5.5485	950.9594
Dextroprphan	Dextroprphan-D3	6.183	1502808	121406	12.3784	969.8831
7-aminoclonazepam	7-Aminoclonazepam-D4	6.312	1299324	64784	20.0562	956.3805
Tramadol	Tramadol-13C-D3	6.322	12623872	650811	19.3971	998.2909
Doxylamine	Doxylamine-D5	6.662	14105145	696021	20.2654	967.3330
Bupropion	Bupropion-D9	6.910	4094406	187479	21.8393	1003.8451
Meprobamate	Meprobamate-D7	6.992	932163	51874	17.9698	1054.4621
Zolpidem	Zolpidem-D6	7.102	8245793	430466	19.1555	975.1299
Venlafaxine	Venlafaxine-D6	7.125	11488554	506673	22.6745	1005.7141
Citalopram	Citalopram-D6	7.237	4459429	206092	21.6380	992.1640
Dextromethorphan	Dextromethorphan-D3	7.268	838434	38298	21.8925	1015.1522
Trazodone	Trazodone-D6	7.275	4789425	258604	18.5203	865.6704
Diphenhydramine	Diphenhydramine-D3	7.291	8442263	370211	22.8039	1079.2515
Promethazine	Promethazine-D3	7.446	3140746	171522	18.3110	1003.4059

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

Placal 8

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.502	618067	10032	61.6118	880.7396
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.560	327260	14912	21.9466	1003.7828
Carisoprodol	Carisoprodol-D7	7.572	2793347	142336	19.6250	1007.2428
Lorazepam	Alprazolam-D5	7.602	297293	94654	3.1408	884.9959
Alprazolam	Alprazolam-D5	7.626	2434661	94654	25.7217	1024.5731



ISP FORENSICS - Cd'A Instrument # 62340

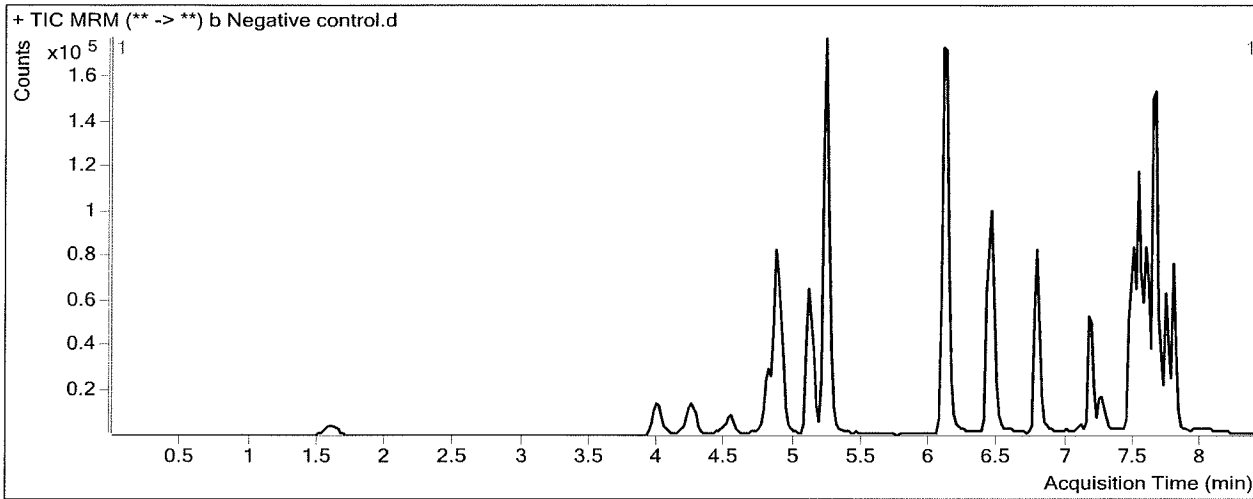
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\120617 mdq p1 and p2\QuantResults\120617 mdq p2.batch.bin
Analysis Time 12/8/2017 9:16 AM **Analyst Name** ISP Tox
Report Time 12/8/2017 9:26 AM **Reporter Name** ISP Tox
Last Calib Update 12/8/2017 9:15 AM **Batch State** Processed

Analysis Info

Acq Time 2017-12-06 20:09 **Data File** b Negative control.d
Sample Type Sample **Sample Name** b Negative control
Dilution 1 **Acq Method** Quant Panel 1b 10-2017.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
Fluoxetine	Fluoxetine-D6	7.584	4110	128451	0.0320	1.7178 <i>LS</i> *

ISP FORENSICS - Cd'A Instrument # 62340

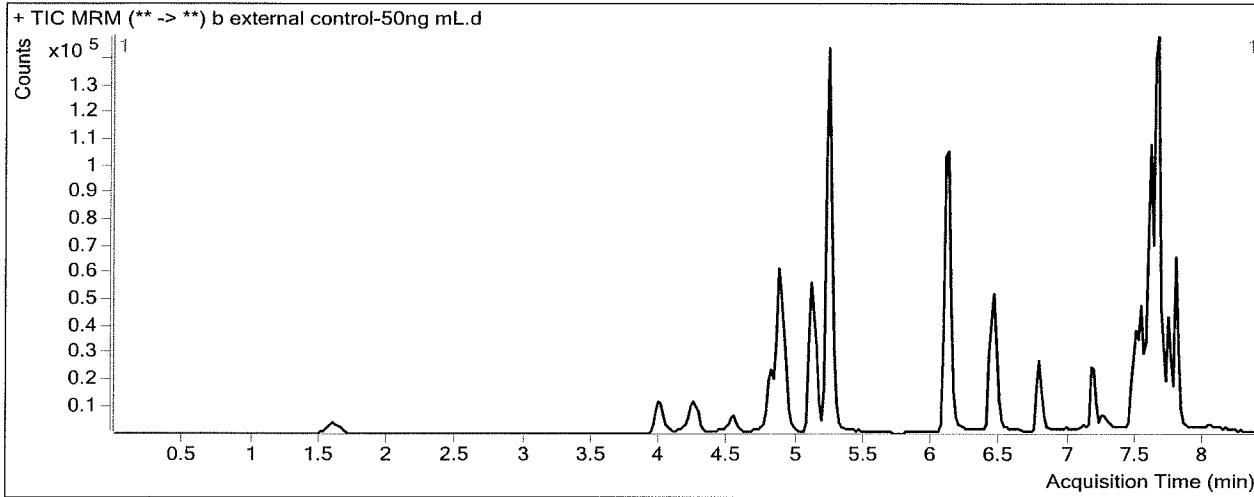
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\120617 mdq p1 and p2\QuantResults\120617 mdq p2.batch.bin
Analysis Time 12/8/2017 9:16 AM **Analyst Name** ISP Tox
Report Time 12/8/2017 9:26 AM **Reporter Name** ISP Tox
Last Calib Update 12/8/2017 9:15 AM **Batch State** Processed

Analysis Info

Acq Time 2017-12-06 20:34 **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 10-2017.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	7.609	93216	105698	0.8819	40.9043

ISP FORENSICS - Cd'A Instrument # 62340

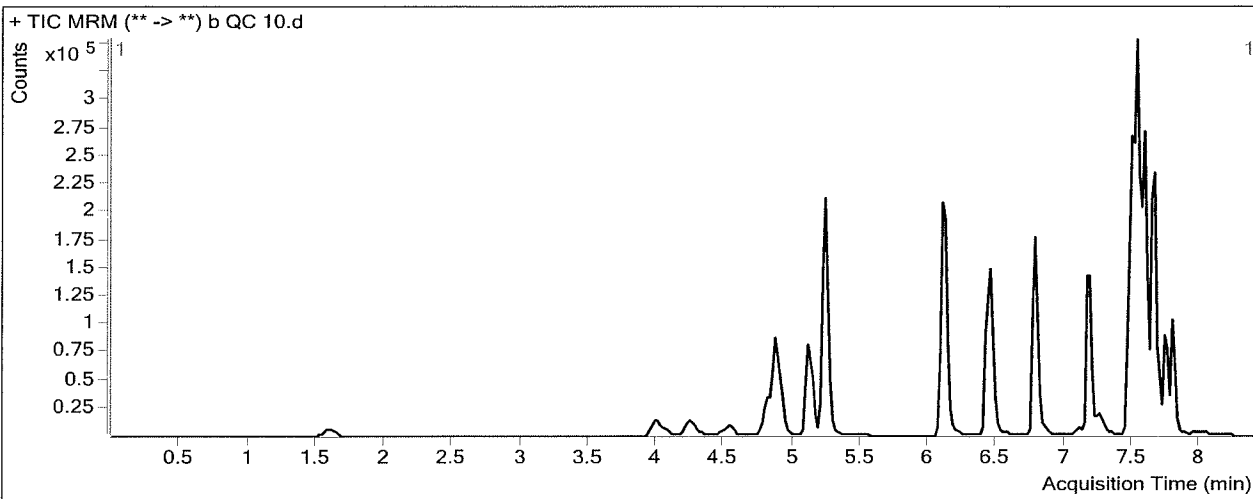
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\120617 mdq p1 and p2\QuantResults\120617 mdq p2.batch.bin		
Analysis Time	12/8/2017 9:16 AM	Analyst Name	ISP Tox
Report Time	12/8/2017 9:26 AM	Reporter Name	ISP Tox
Last Calib Update	12/8/2017 9:15 AM	Batch State	Processed

Analysis Info

Acq Time	2017-12-06 20:59	Data File	b QC 10.d
Sample Type	QC	Sample Name	b QC 10
Dilution	1	Acq Method	Quant Panel 1b 10-2017.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	1.608	7019	29615	0.2370	10.2737
Dihydrocodeine	Dihydrocodeine-D6	4.055	13222	67506	0.1959	9.3052
Naloxone	Naloxone-D5	4.310	9747	67970	0.1434	10.3660
Noroxycodone	Noroxycodone-D3	4.558	8273	35714	0.2316	9.8439
Naltrexone	Naltrexone-D3	4.830	22010	96799	0.2274	10.5866
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.944	6735	303015	0.0222	0.9884
Naltrexol	Naltrexol-D3	5.110	49500	189265	0.2615	9.4604
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.239	125797	570993	0.2203	10.1844
Ketamine	Ketamine-D4	6.095	50272	197978	0.2539	10.0282
Norfentanyl	Norfentanyl-D5	6.120	8959	445372	0.0201	1.2028
alpha-PVP	alpha-PVP-d8	6.447	88298	356645	0.2476	9.9302
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.800	10331	510679	0.0202	1.0069
Fentanyl	Fentanyl-D5	7.178	9532	439655	0.0217	0.9989
EDDP	EDDP-D3	7.269	7456	32975	0.2261	11.1679
Quetiapine	Quetiapine-D8	7.479	128280	168882	0.7596	10.4134
Sufentanil	Sufentanil-D5	7.478	6698	253720	0.0264	1.1798
Cyclobenzaprine	Cyclobenzaprine-D3	7.512	36971	161200	0.2293	10.3023
Methadone	Methadone-D9	7.522	86163	486053	0.1773	10.5155
Fluoxetine	Fluoxetine-D6	7.584	102444	462825	0.2213	10.6782
Oxazepam	Oxazepam-D5	7.609	24644	116967	0.2107	10.1084
Sertraline	Sertraline-D3	7.645	24490	106430	0.2301	10.3669
Temazepam	Temazepam-D5	7.667	78632	383548	0.2050	10.0716
Nordiazepam	Nordiazepam-D5	7.735	28103	83277	0.3375	10.2159

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

PIB QC 10

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Buprenorphine	Buprenorphine-D4	7.797	2860	102796	0.0278	1.1287
Diazepam	Diazepam-D5	7.790	40584	141521	0.2868	10.7077



ISP FORENSICS - Cd'A Instrument # 62340

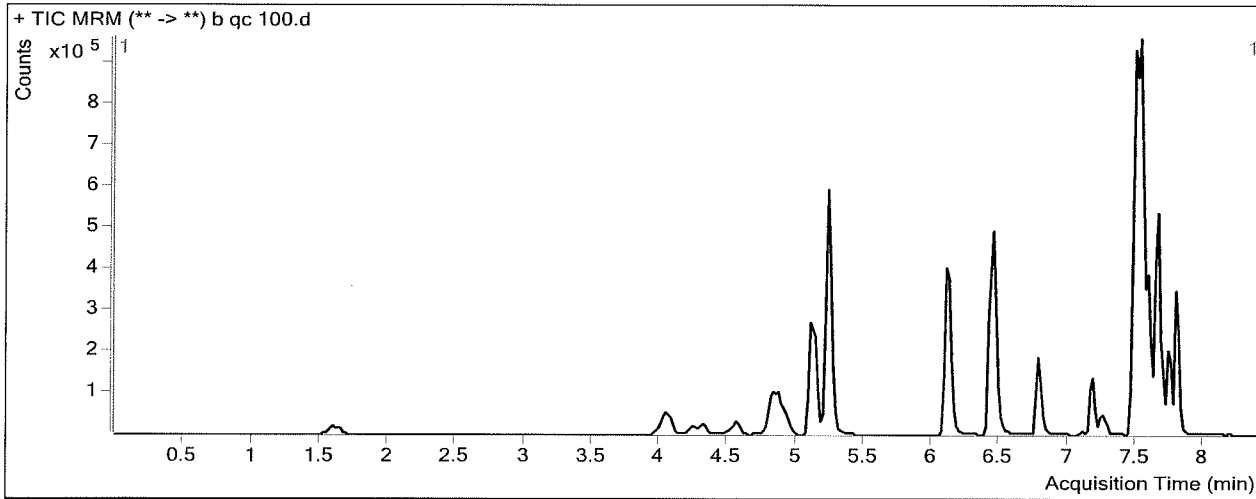
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\120617 mdq p1 and p2\QuantResults\120617 mdq p2.batch.bin
Analysis Time 12/8/2017 9:16 AM **Analyst Name** ISP Tox
Report Time 12/8/2017 9:26 AM **Reporter Name** ISP Tox
Last Calib Update 12/8/2017 9:15 AM **Batch State** Processed

Analysis Info

Acq Time 2017-12-07 01:00 **Data File** b qc 100.d
Sample Type QC **Sample Name** b qc 100
Dilution 1 **Acq Method** Quant Panel 1b 10-2017.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	1.608	72859	30081	2.4221	101.7743
Dihydrocodeine	Dihydrocodeine-D6	4.055	137990	70171	1.9665	106.7973
Naloxone	Naloxone-D5	4.310	101902	69849	1.4589	105.1264
Noroxycodone	Noroxycodone-D3	4.558	86701	35176	2.4648	104.0822
Naltrexone	Naltrexone-D3	4.830	196294	88489	2.2183	103.2218
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.944	67666	291605	0.2320	9.9356
Naltrexol	Naltrexol-D3	5.110	522327	199231	2.6217	104.3036
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.239	1262415	589343	2.1421	102.2116
Ketamine	Ketamine-D4	6.095	519495	203047	2.5585	101.4367
Norfentanyl	Norfentanyl-D5	6.140	88989	437380	0.2035	9.3734
alpha-PVP	alpha-PVP-d8	6.447	889350	335889	2.6478	103.7981
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.800	90199	441942	0.2041	9.6946
Norbuprenorphine	Norbuprenorphine-D3	7.093	2826	14572	0.1939	9.0469
Fentanyl	Fentanyl-D5	7.178	65557	298562	0.2196	9.3846
EDDP	EDDP-D3	7.269	78856	35113	2.2458	100.0726
Quetiapine	Quetiapine-D8	7.479	1256042	161287	7.7876	107.3389
Sufentanil	Sufentanil-D5	7.478	37232	160973	0.2313	10.2305
Cyclobenzaprine	Cyclobenzaprine-D3	7.512	221923	104439	2.1249	81.7003
Methadone	Methadone-D9	7.522	694988	395389	1.7577	104.2856
Fluoxetine	Fluoxetine-D6	7.584	508216	231928	2.1913	103.9016
Oxazepam	Oxazepam-D5	7.609	123847	61507	2.0135	92.8248
Sertraline	Sertraline-D3	7.645	115778	56094	2.0640	93.8498
Temazepam	Temazepam-D5	7.667	650824	314054	2.0723	102.0417

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

P16 QC 100

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Nordiazepam	Nordiazepam-D5	7.735	231557	67084	3.4517	100.0525
Buprenorphine	Buprenorphine-D4	7.797	20146	82146	0.2452	10.3647
Diazepam	Diazepam-D5	7.790	393181	142179	2.7654	100.4923



ISP FORENSICS - Cd'A Instrument # 62340

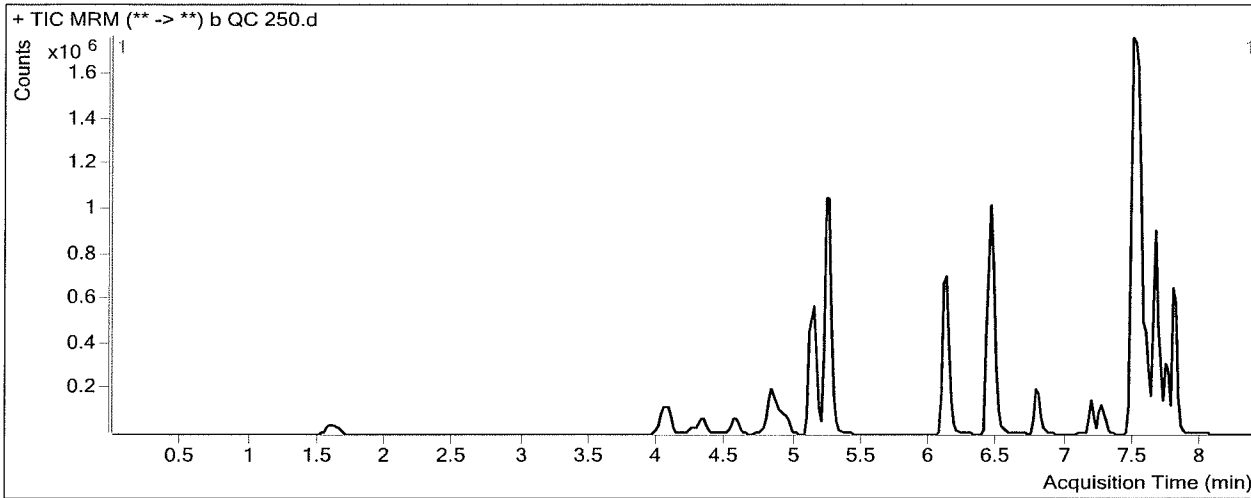
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\120617 mdq p1 and p2\QuantResults\120617 mdq p2.batch.bin
Analysis Time 12/8/2017 9:16 AM **Analyst Name** ISP Tox
Report Time 12/8/2017 9:26 AM **Reporter Name** ISP Tox
Last Calib Update 12/8/2017 9:15 AM **Batch State** Processed

Analysis Info

Acq Time 2017-12-07 03:45 **Data File** b QC 250.d
Sample Type QC **Sample Name** b QC 250
Dilution 1 **Acq Method** Quant Panel 1b 10-2017.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	1.628	189502	30596	6.1936	259.7050
Dihydrocodeine	Dihydrocodeine-D6	4.055	344738	73069	4.7180	258.2984
Naloxone	Naloxone-D5	4.330	257102	70721	3.6354	261.9109
Noroxycodone	Noroxycodone-D3	4.578	212151	34813	6.0939	257.2292
Naltrexone	Naltrexone-D3	4.830	430814	80549	5.3485	248.8682
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.944	172933	295767	0.5847	24.9732
Naltrexol	Naltrexol-D3	5.130	1269137	192626	6.5886	263.7128
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.259	3156599	588836	5.3607	256.3444
Ketamine	Ketamine-D4	6.095	1254588	201033	6.2407	247.4886
Norfentanyl	Norfentanyl-D5	6.140	223911	418109	0.5355	24.1719
alpha-PVP	alpha-PVP-d8	6.447	2158380	334664	6.4494	252.4757
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.800	192235	367907	0.5225	24.7395
Norbuprenorphine	Norbuprenorphine-D3	7.093	5340	10977	0.4864	23.5391
Fentanyl	Fentanyl-D5	7.178	125020	220315	0.5675	24.1260
EDDP	EDDP-D3	7.269	244974	43887	5.5820	246.9321
Quetiapine	Quetiapine-D8	7.479	2816204	153542	18.3415	252.8905
Sufentanil	Sufentanil-D5	7.498	60899	108422	0.5617	24.8251
Cyclobenzaprine	Cyclobenzaprine-D3	7.512	352853	65918	5.3529	203.2859
Methadone	Methadone-D9	7.522	1359830	308478	4.4082	261.5398
Fluoxetine	Fluoxetine-D6	7.584	659083	122336	5.3875	255.1581
Oxazepam	Oxazepam-D5	7.609	196254	36051	5.4438	250.2064
Sertraline	Sertraline-D3	7.645	149692	29545	5.0666	230.5349
Temazepam	Temazepam-D5	7.667	1352415	255817	5.2866	260.3544

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

PIB Q250

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Nordiazepam	Nordiazepam-D5	7.735	446178	49700	8.9775	259.4522
Buprenorphine	Buprenorphine-D4	7.797	37352	62058	0.6019	25.5146
Diazepam	Diazepam-D5	7.790	921160	126041	7.3084	265.0563



ISP FORENSICS - Cd'A Instrument # 62340

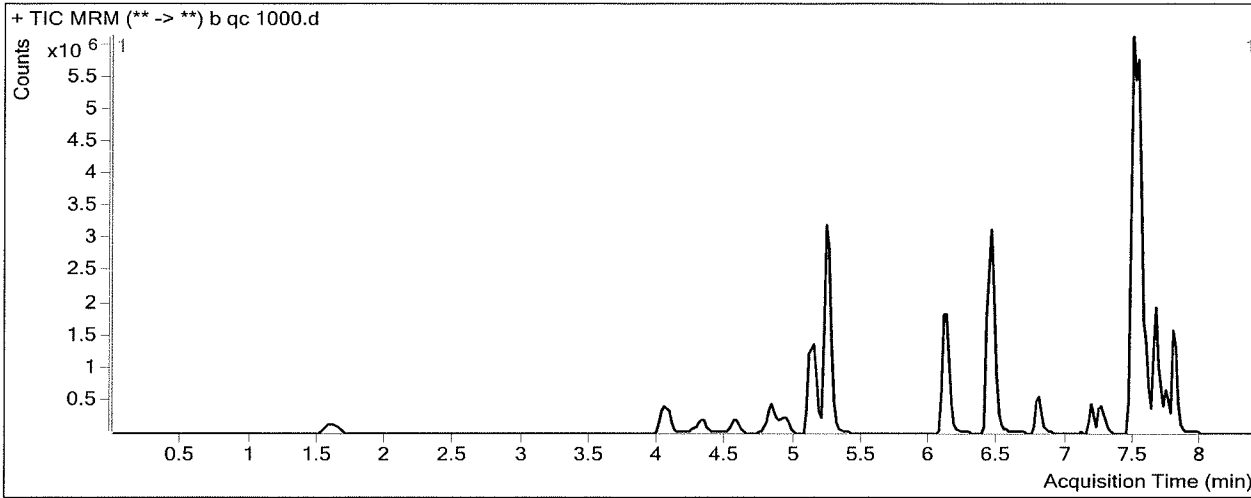
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\120617 mdq p1 and p2\QuantResults\120617 mdq p2.batch.bin
Analysis Time 12/8/2017 9:16 AM **Analyst Name** ISP Tox
Report Time 12/8/2017 9:26 AM **Reporter Name** ISP Tox
Last Calib Update 12/8/2017 9:15 AM **Batch State** Processed

Analysis Info

Acq Time 2017-12-07 07:58 **Data File** b qc 1000.d
Sample Type QC **Sample Name** b qc 1000
Dilution 1 **Acq Method** Quant Panel 1b 10-2017.m
Position P1-D2 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



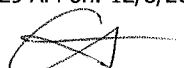
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.608	686135	28878	23.7602	995.3046
Dihydrocodeine	Dihydrocodeine-D6	4.055	1135642	68199	16.6518	915.3917
Naloxone	Naloxone-D5	4.310	867952	62137	13.9683	1006.2231
Noroxycodone	Noroxycodone-D3	4.558	706275	28935	24.4091	1030.1154
Naltrexone	Naltrexone-D3	4.830	1133158	52716	21.4957	1000.1849
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.944	656425	264979	2.4773	105.6770
Naltrexol	Naltrexol-D3	5.130	3668416	157980	23.2208	932.0747
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.239	10733701	521221	20.5934	985.7889
Ketamine	Ketamine-D4	6.095	4318947	183606	23.5229	932.9706
Norfentanyl	Norfentanyl-D5	6.140	775745	336763	2.3035	102.9610
alpha-PVP	alpha-PVP-d8	6.447	7383624	296590	24.8951	973.8646
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.800	903945	445853	2.0274	95.8475
Norbuprenorphine	Norbuprenorphine-D3	7.093	16635	8349	1.9925	98.1553
Fentanyl	Fentanyl-D5	7.178	601887	256670	2.3450	99.4469
EDDP	EDDP-D3	7.269	937187	40200	23.3133	1027.4593
Quetiapine	Quetiapine-D8	7.479	9363042	146587	63.8738	880.8365
Sufentanil	Sufentanil-D5	7.478	299385	129434	2.3130	102.1866
Cyclobenzaprine	Cyclobenzaprine-D3	7.512	1262065	53958	23.3896	882.6579
Methadone	Methadone-D9	7.522	5354959	305941	17.5033	1038.4836
Fluoxetine	Fluoxetine-D6	7.584	2267594	110816	20.4628	968.5713
Oxazepam	Oxazepam-D5	7.609	401613	19026	21.1083	968.9076
Sertraline	Sertraline-D3	7.645	531310	23449	22.6584	1031.3566
Temazepam	Temazepam-D5	7.667	3206002	150906	21.2450	1046.3441

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

PIb ^A QC & 1000

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Nordiazepam	Nordiazepam-D5	7.735	959466	30752	31.2000	900.4959
Buprenorphine	Buprenorphine-D4	7.797	121453	62005	1.9588	83.1542
Diazepam	Diazepam-D5	7.790	2476522	86606	28.5953	1036.1433

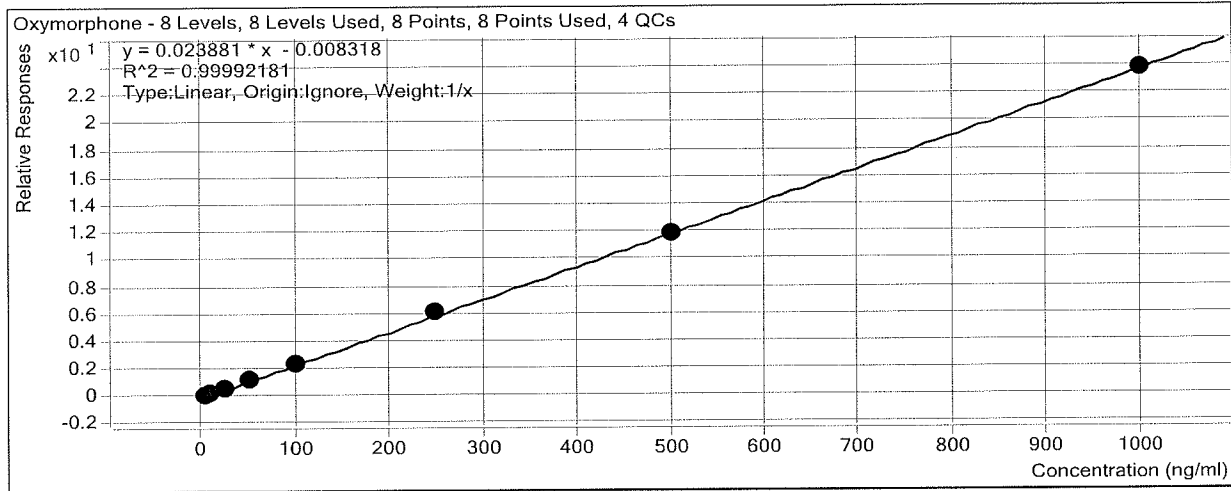


ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\120617 mdq p1 and p2\QuantResults\120617 mdq p2.batch.bin

Last Calib Update 12/8/2017 9:15 AM **Analyst Name** ISP TOX

Target Compound Oxymorphone
Internal Standard Oxymorphone-D3



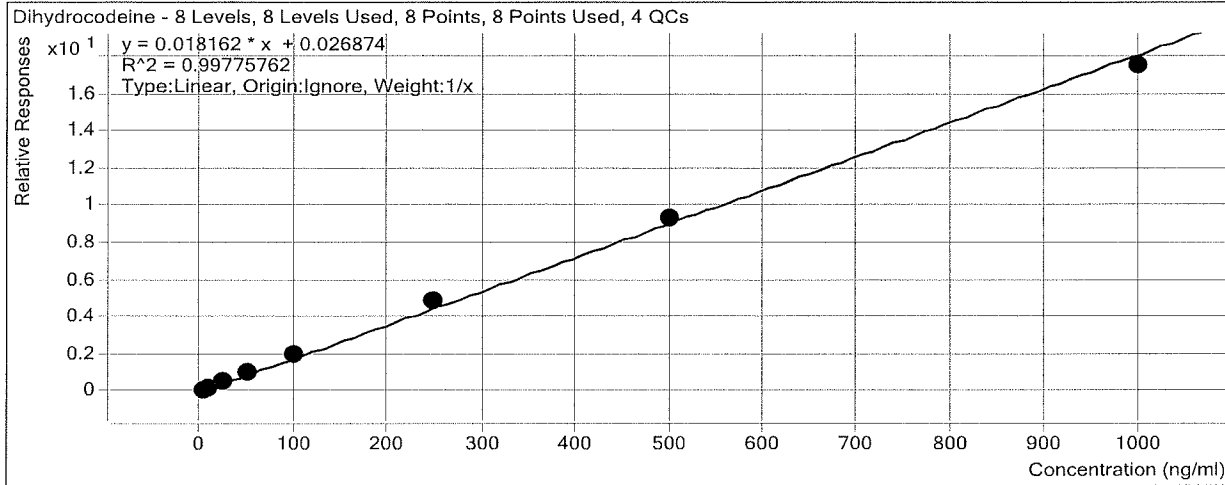
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b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.5	95.0
b QC 10	2	<input checked="" type="checkbox"/>	10	10.3	102.7
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.3	97.1
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.9	99.8
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.9	100.9
b qc 100	5	<input checked="" type="checkbox"/>	100	101.8	101.8
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	253.6	101.5
b QC 250	6	<input checked="" type="checkbox"/>	250	259.7	103.9
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	500.2	100.0
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	996.3	99.6
b qc 1000	8	<input checked="" type="checkbox"/>	1000	995.3	99.5

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\120617 mdq p1 and p2\QuantResults\120617 mdq p2.batch.bin

Last Calib Update 12/8/2017 9:15 AM **Analyst Name** ISP TOX

Target Compound Dihydrocodeine
Internal Standard Dihydrocodeine-D6



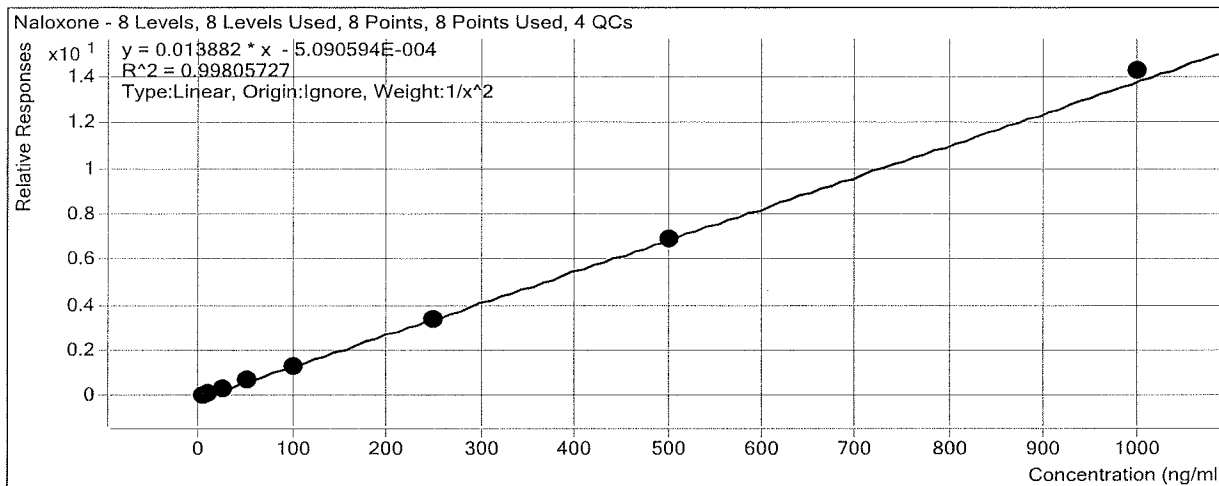
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.1	82.7
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	95.5
b QC 10	2	<input checked="" type="checkbox"/>	10	9.3	93.1
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.2	100.9
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	53.4	106.8
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	109.9	109.9
b qc 100	5	<input checked="" type="checkbox"/>	100	106.8	106.8
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	263.9	105.6
b QC 250	6	<input checked="" type="checkbox"/>	250	258.3	103.3
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	512.7	102.5
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	961.2	96.1
b qc 1000	8	<input checked="" type="checkbox"/>	1000	915.4	91.5

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\120617 mdq p1 and p2\QuantResults\120617 mdq p2.batch.bin

Last Calib Update 12/8/2017 9:15 AM **Analyst Name** ISP TOX

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



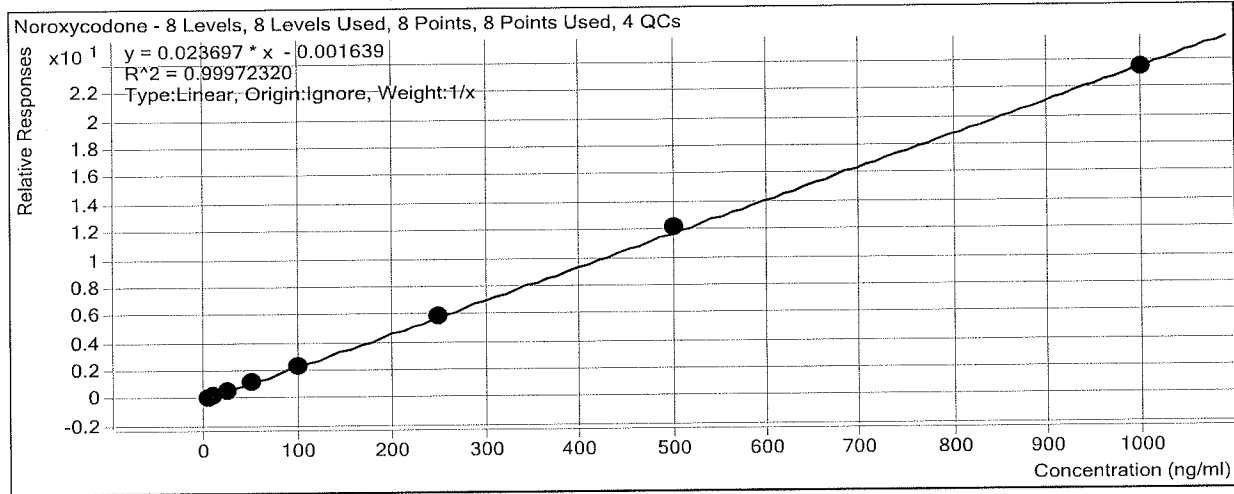
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	103.0
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.2	92.2
b QC 10	2	<input checked="" type="checkbox"/>	10	10.4	103.7
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.0	103.9
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.0	102.1
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.9	97.9
b qc 100	5	<input checked="" type="checkbox"/>	100	105.1	105.1
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	246.3	98.5
b QC 250	6	<input checked="" type="checkbox"/>	250	261.9	104.8
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	498.5	99.7
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1027.2	102.7
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1006.2	100.6

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\120617 mdq p1 and p2\QuantResults\120617 mdq p2.batch.bin

Last Calib Update 12/8/2017 9:15 AM **Analyst Name** ISP TOX

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



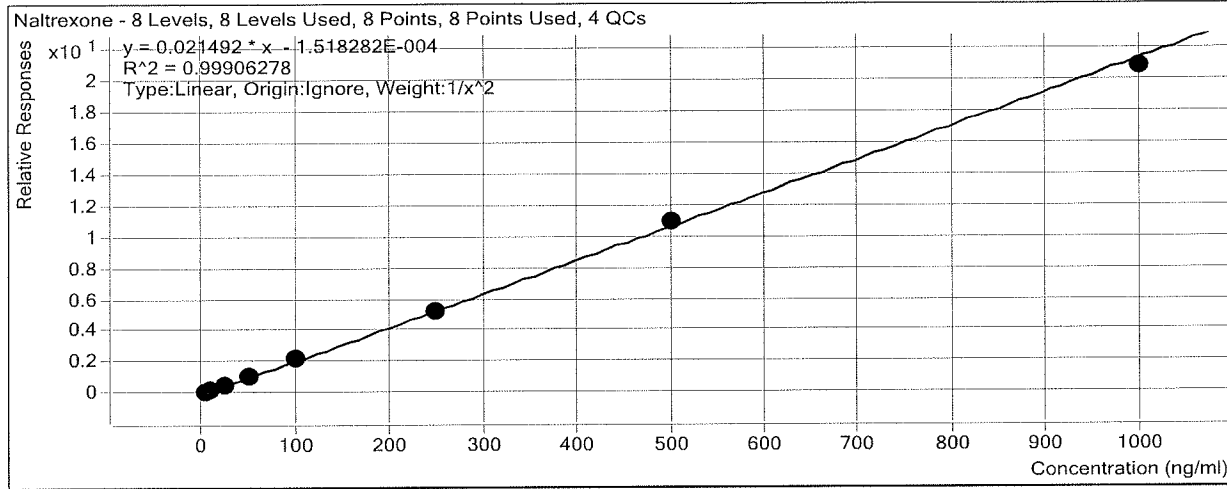
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.5
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.4	93.6
b QC 10	2	<input checked="" type="checkbox"/>	10	9.8	98.4
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.0	100.0
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.4	102.7
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.1	101.1
b qc 100	5	<input checked="" type="checkbox"/>	100	104.1	104.1
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	247.2	98.9
b QC 250	6	<input checked="" type="checkbox"/>	250	257.2	102.9
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	511.3	102.3
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	989.5	99.0
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1030.1	103.0

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\120617 mdq p1 and p2\QuantResults\120617 mdq p2.batch.bin

Last Calib Update 12/8/2017 9:15 AM **Analyst Name** ISP TOX

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



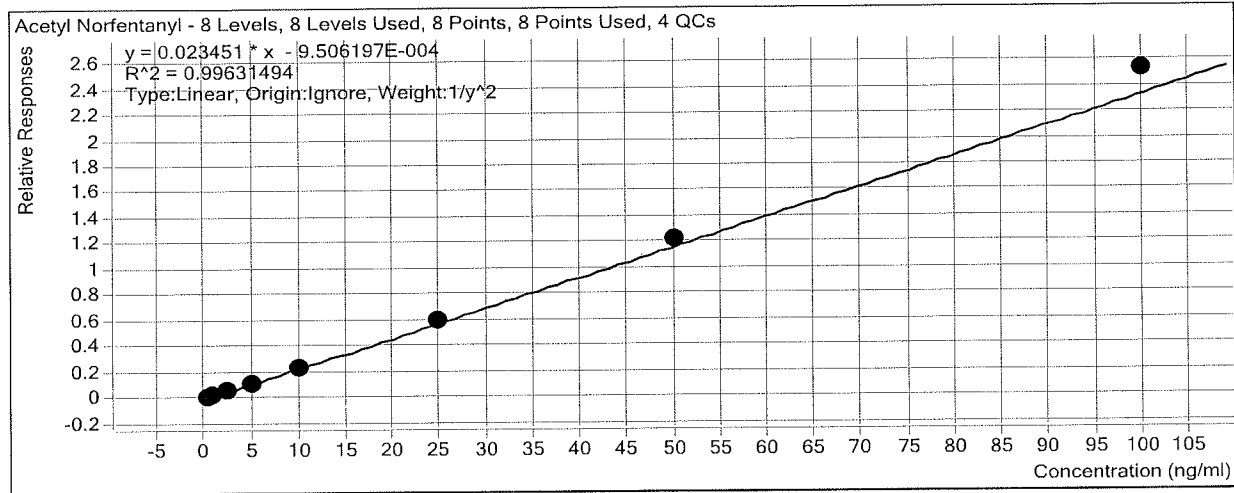
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	101.5
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	96.4
b QC 10	2	<input checked="" type="checkbox"/>	10	10.6	105.9
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.9	99.4
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.6	103.1
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.1	102.1
b qc 100	5	<input checked="" type="checkbox"/>	100	103.2	103.2
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	245.4	98.2
b QC 250	6	<input checked="" type="checkbox"/>	250	248.9	99.5
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	512.2	102.4
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	967.7	96.8
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1000.2	100.0

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\120617 mdq p1 and p2\QuantResults\120617 mdq p2.batch.bin

Last Calib Update 12/8/2017 9:15 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	104.2
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.0	95.6
b QC 10	2	<input checked="" type="checkbox"/>	1	1.0	98.8
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.3	93.0
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.8	96.1
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	10.1	100.8
b qc 100	5	<input checked="" type="checkbox"/>	10	9.9	99.4
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	25.5	101.9
b QC 250	6	<input checked="" type="checkbox"/>	25	25.0	99.9
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	52.3	104.5
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	107.7	107.7
b qc 1000	8	<input checked="" type="checkbox"/>	100	105.7	105.7

ISP Forensics Calibration Curve Report

Batch Data Path

D:\2017 Data\120617 mdq p1 and p2\QuantResults\120617 mdq p2.batch.bin

Last Calib Update

12/8/2017 9:15 AM

Analyst Name

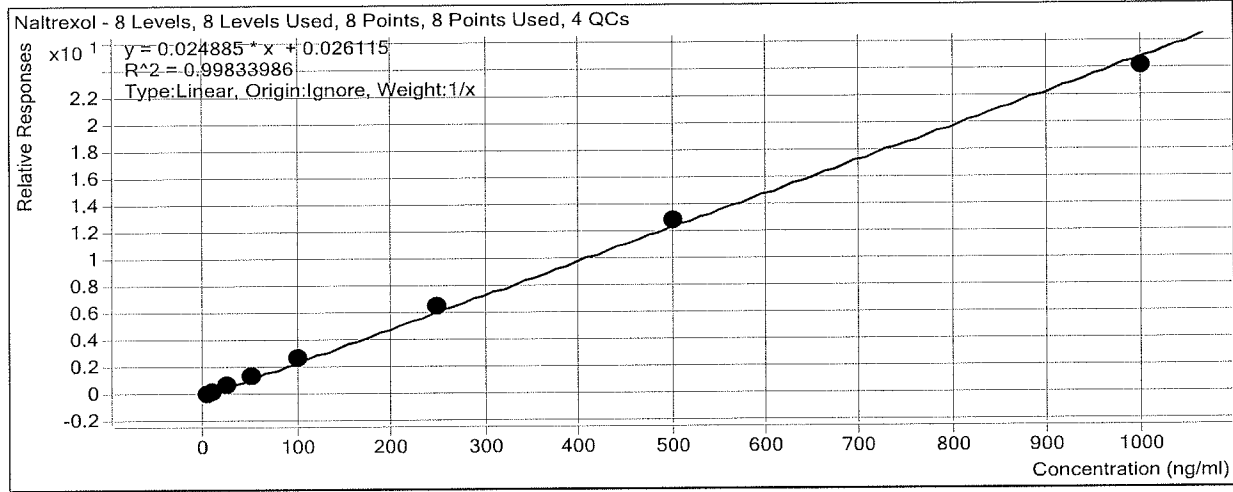
ISP TOX

Target Compound

Naltrexol

Internal Standard

Naltrexol-D3



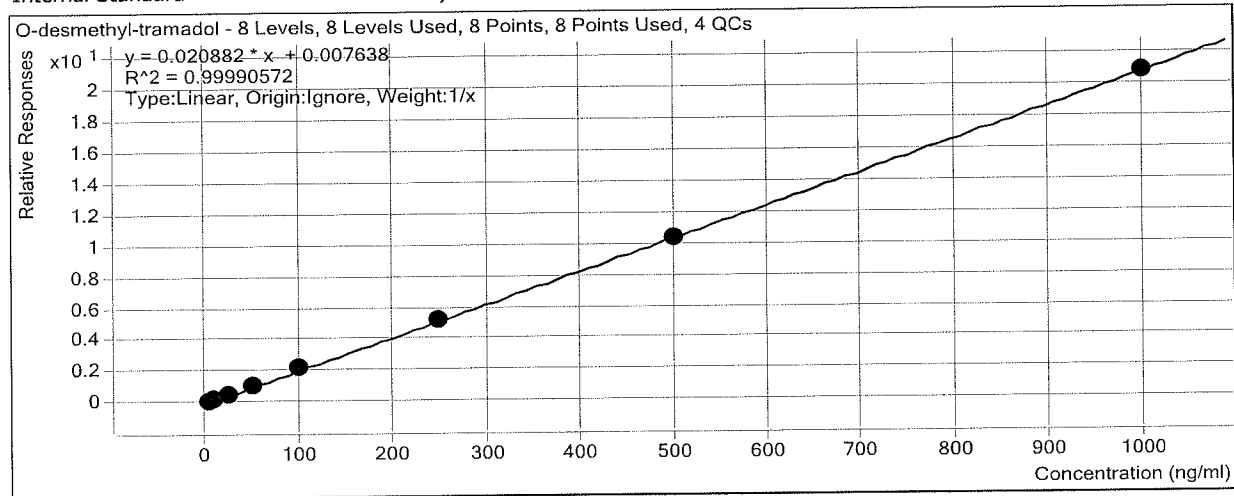
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.3	85.9
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.4	93.9
b QC 10	2	<input checked="" type="checkbox"/>	10	9.5	94.6
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.6	102.2
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	53.5	107.0
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	107.5	107.5
b qc 100	5	<input checked="" type="checkbox"/>	100	104.3	104.3
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	260.4	104.2
b QC 250	6	<input checked="" type="checkbox"/>	250	263.7	105.5
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	513.7	102.7
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	965.6	96.6
b qc 1000	8	<input checked="" type="checkbox"/>	1000	932.1	93.2

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\120617 mdq p1 and p2\QuantResults\120617 mdq p2.batch.bin

Last Calib Update 12/8/2017 9:15 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	4.9	97.4
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.5	95.3
b QC 10	2	<input checked="" type="checkbox"/>	10	10.2	101.8
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.5	102.1
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.5	103.0
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.6	102.6
b qc 100	5	<input checked="" type="checkbox"/>	100	102.2	102.2
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	250.2	100.1
b QC 250	6	<input checked="" type="checkbox"/>	250	256.3	102.5
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	500.1	100.0
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	995.7	99.6
b qc 1000	8	<input checked="" type="checkbox"/>	1000	985.8	98.6

ISP Forensics Calibration Curve Report

Batch Data Path

D:\2017 Data\120617 mdq p1 and p2\QuantResults\120617 mdq p2.batch.bin

Last Calib Update

12/8/2017 9:15 AM

Analyst Name

ISP TOX

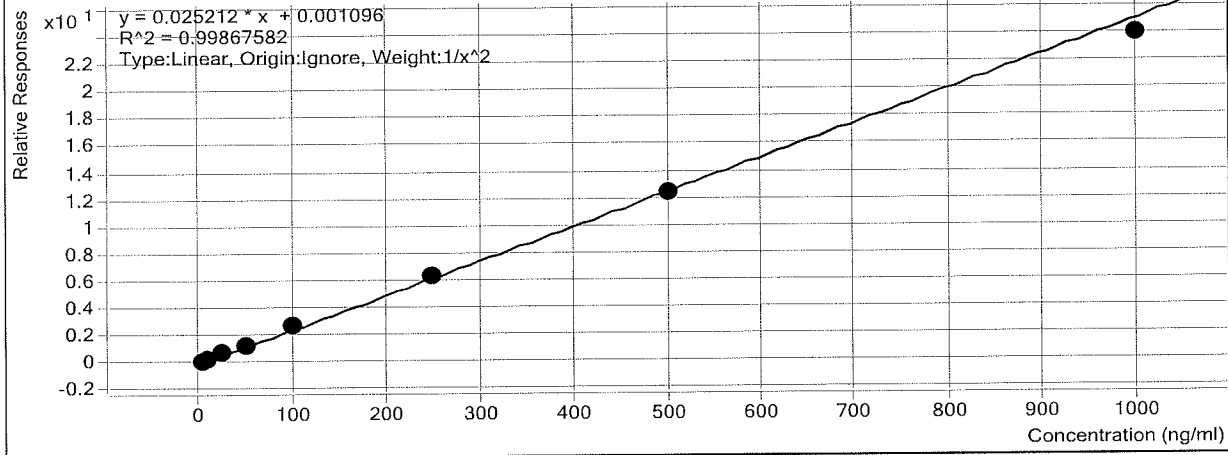
Target Compound

Ketamine

Internal Standard

Ketamine-D4

Ketamine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



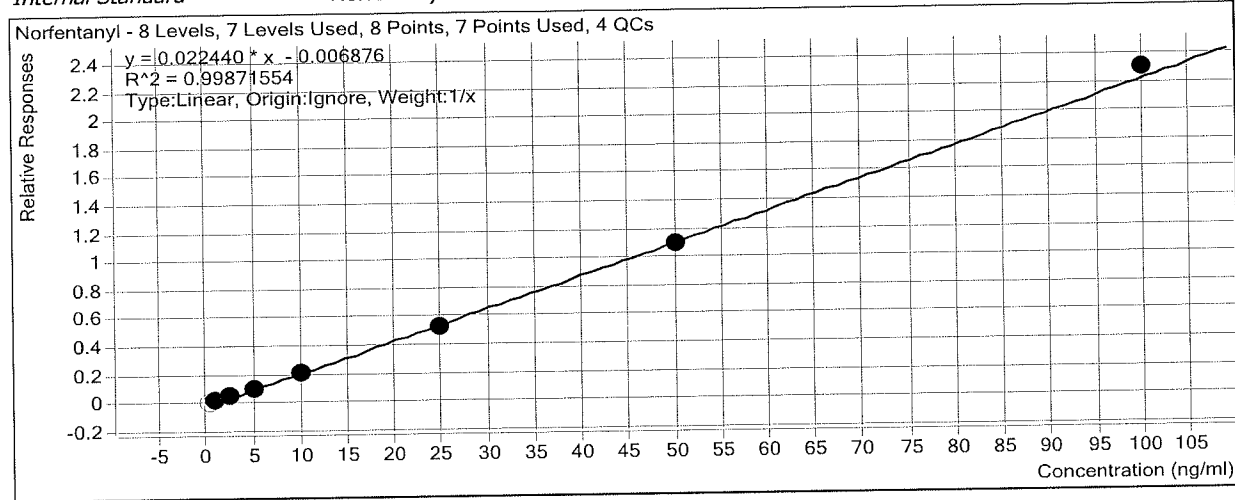
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.8
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	96.4
b QC 10	2	<input checked="" type="checkbox"/>	10	10.0	100.3
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.7	102.9
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.2	102.5
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.9	103.9
b qc 100	5	<input checked="" type="checkbox"/>	100	101.4	101.4
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	249.3	99.7
b QC 250	6	<input checked="" type="checkbox"/>	250	247.5	99.0
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	494.3	98.9
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	949.4	94.9
b qc 1000	8	<input checked="" type="checkbox"/>	1000	933.0	93.3

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\120617 mdq p1 and p2\QuantResults\120617 mdq p2.batch.bin

Last Calib Update 12/8/2017 9:15 AM **Analyst Name** ISP TOX

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



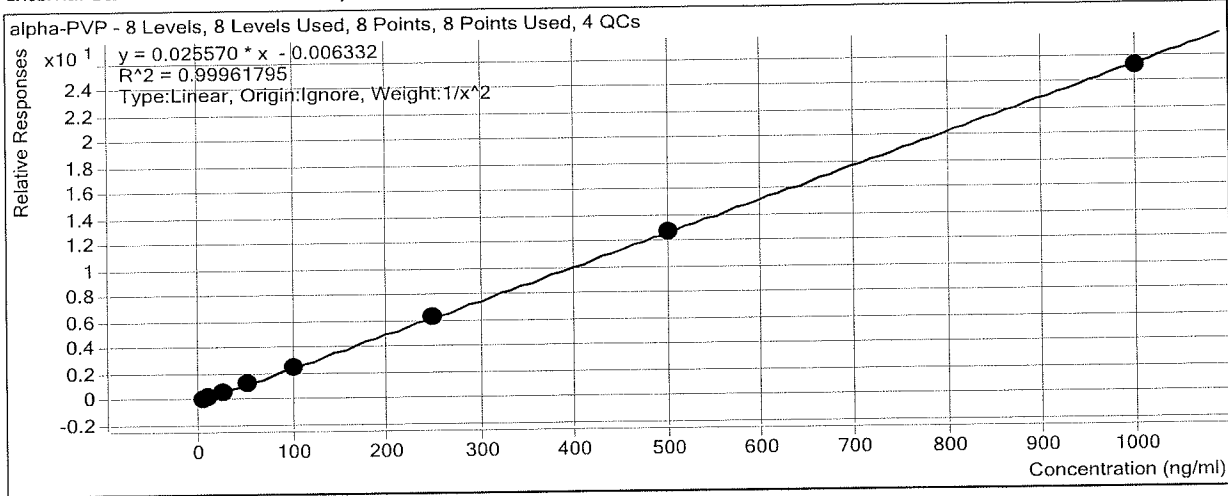
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input type="checkbox"/>	0.5	0.7	148.0
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.1	114.1
b QC 10	2	<input checked="" type="checkbox"/>	1	1.2	120.3
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.5	99.3
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.8	95.2
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.6	95.7
b qc 100	5	<input checked="" type="checkbox"/>	10	9.4	93.7
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	23.7	94.8
b QC 250	6	<input checked="" type="checkbox"/>	25	24.2	96.7
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	49.1	98.2
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	102.8	102.8
b qc 1000	8	<input checked="" type="checkbox"/>	100	103.0	103.0

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\120617 mdq p1 and p2\QuantResults\120617 mdq p2.batch.bin

Last Calib Update 12/8/2017 9:15 AM **Analyst Name** ISP TOX

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



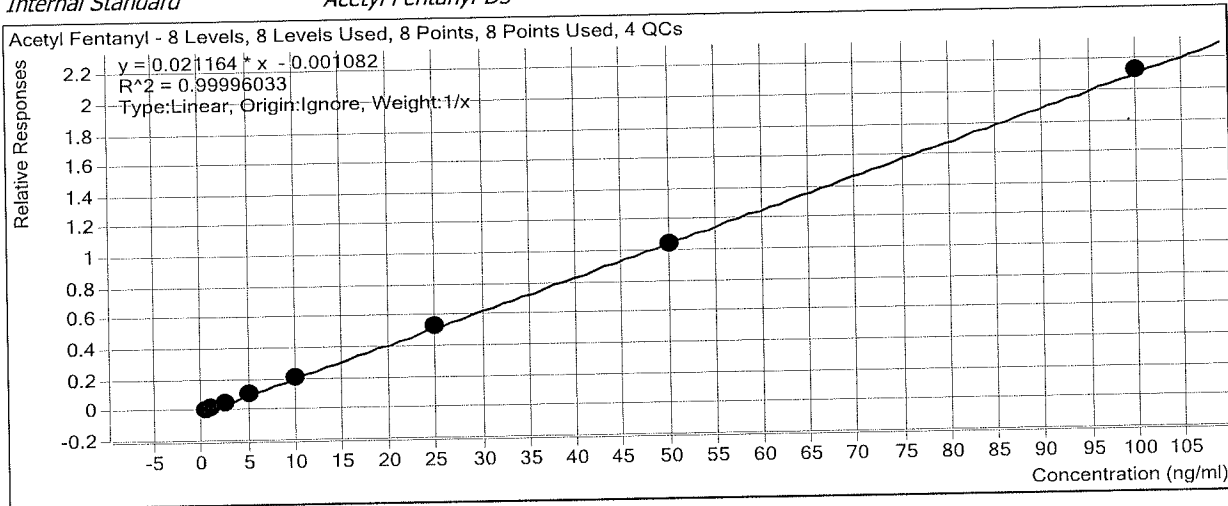
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.6
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	97.7
b QC 10	2	<input checked="" type="checkbox"/>	10	9.9	99.3
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.4	101.5
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.5	103.1
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.1	100.1
b qc 100	5	<input checked="" type="checkbox"/>	100	103.8	103.8
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	248.0	99.2
b QC 250	6	<input checked="" type="checkbox"/>	250	252.5	101.0
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	496.6	99.3
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	985.9	98.6
b qc 1000	8	<input checked="" type="checkbox"/>	1000	973.9	97.4

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\120617 mdq p1 and p2\QuantResults\120617 mdq p2.batch.bin

Last Calib Update 12/8/2017 9:15 AM **Analyst Name** ISP TOX

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



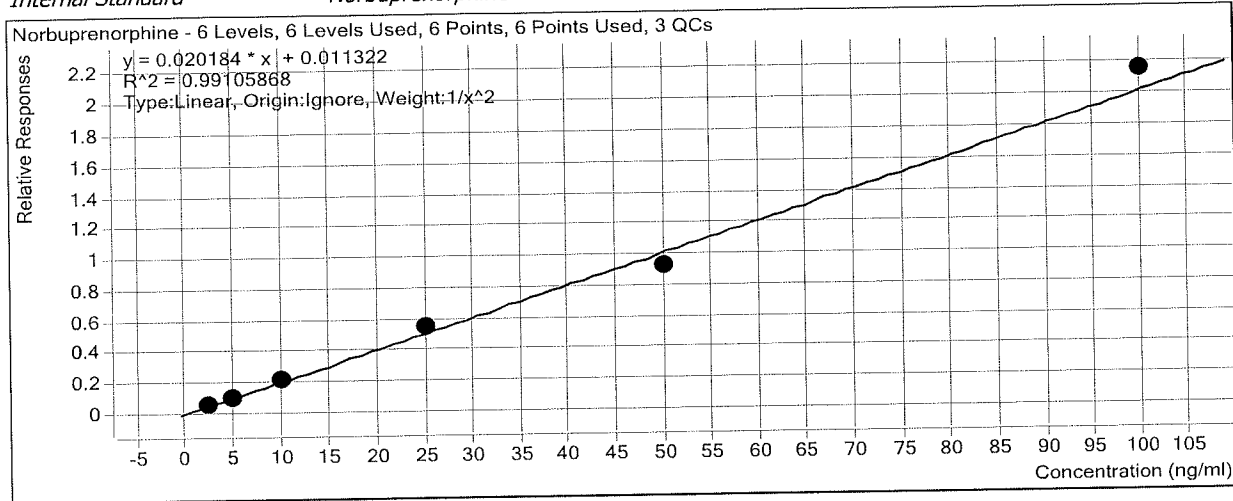
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	0.5	0.5	104.8
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.0	97.0
b QC 10	2	<input checked="" type="checkbox"/>	1	1.0	100.7
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.5	99.3
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	5.0	100.0
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	10.0	99.6
b qc 100	5	<input checked="" type="checkbox"/>	10	9.7	96.9
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	24.9	99.5
b QC 250	6	<input checked="" type="checkbox"/>	25	24.7	99.0
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	49.7	99.4
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	100.5	100.5
b qc 1000	8	<input checked="" type="checkbox"/>	100	95.8	95.8

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\120617 mdq p1 and p2\QuantResults\120617 mdq p2.batch.bin

Last Calib Update 12/8/2017 9:15 AM **Analyst Name** ISP TOX

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

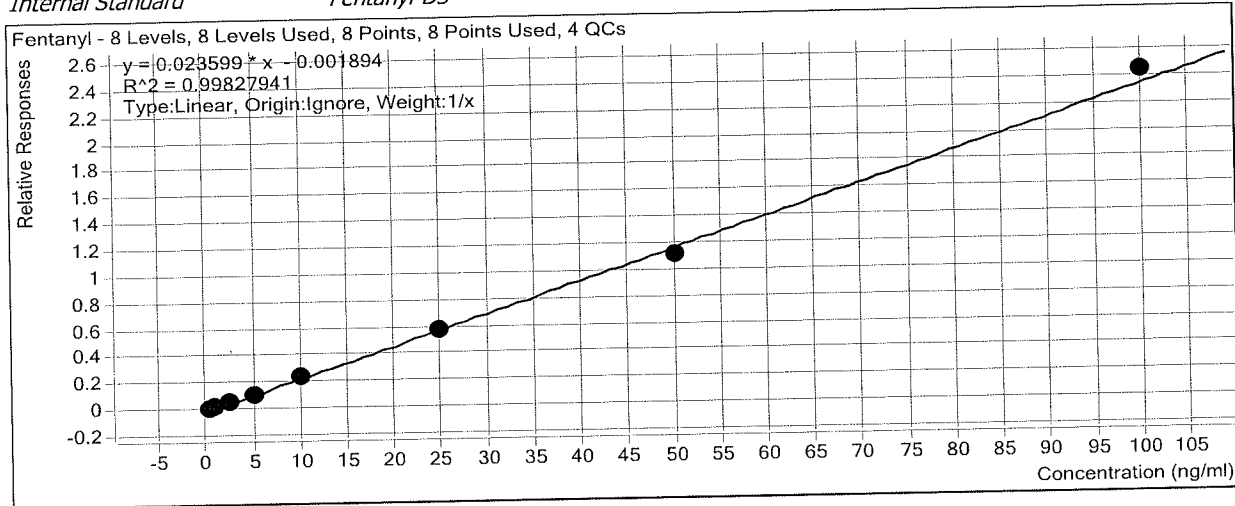


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input type="checkbox"/>	0.5	0.0	0.0
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	0.0	0.0
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	0.0	0.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.6	104.4
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.5	89.2
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	10.2	102.5
b qc 100	5	<input checked="" type="checkbox"/>	10	9.0	90.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	26.5	106.0
b QC 250	6	<input checked="" type="checkbox"/>	25	23.5	94.2
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	45.8	91.6
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	106.3	106.3
b qc 1000	8	<input checked="" type="checkbox"/>	100	98.2	98.2

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\120617 mdq p1 and p2\QuantResults\120617 mdq p2.batch.bin
Last Calib Update 12/8/2017 9:15 AM **Analyst Name** ISP TOX

Target Compound Fentanyl
Internal Standard Fentanyl-D5



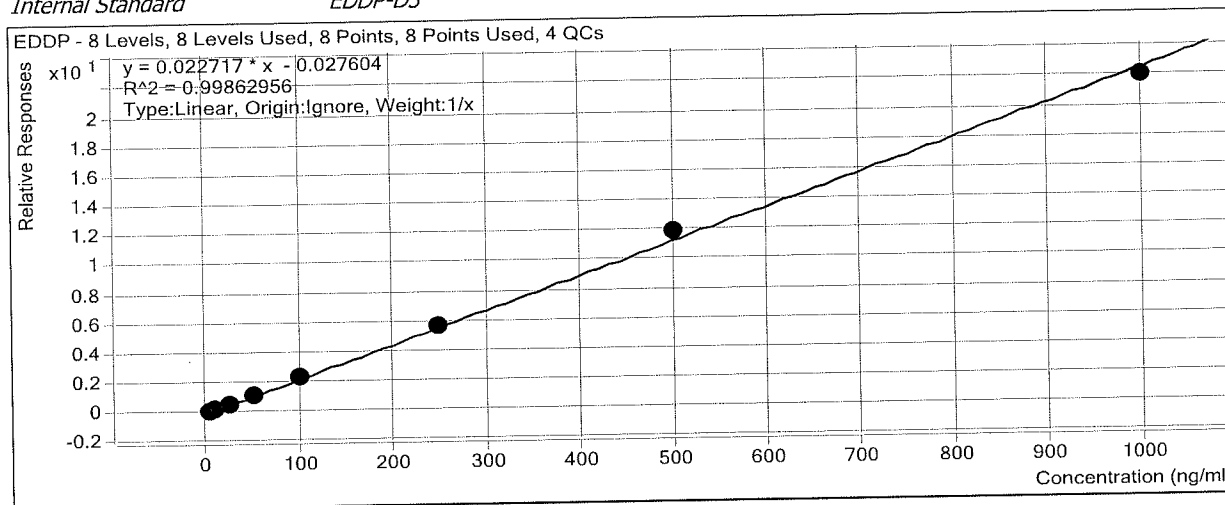
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	0.5	0.5	106.8
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.0	104.2
b QC 10	2	<input checked="" type="checkbox"/>	1	1.0	99.9
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.4	96.9
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.8	95.9
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	10.1	101.1
b qc 100	5	<input checked="" type="checkbox"/>	10	9.4	93.8
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	24.3	97.1
b QC 250	6	<input checked="" type="checkbox"/>	25	24.1	96.5
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	47.3	94.6
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	103.5	103.5
b qc 1000	8	<input checked="" type="checkbox"/>	100	99.4	99.4

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\120617 mdq p1 and p2\QuantResults\120617 mdq p2.batch.bin

Last Calib Update 12/8/2017 9:15 AM **Analyst Name** ISP TOX

Target Compound EDDP
Internal Standard EDDP-D3



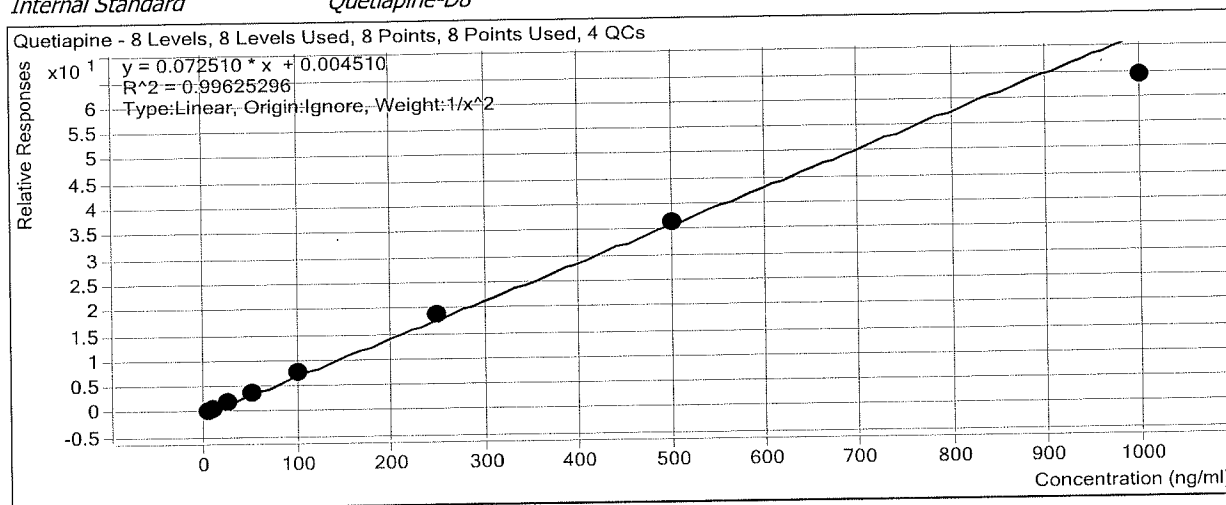
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	104.6
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	8.9	89.2
b QC 10	2	<input checked="" type="checkbox"/>	10	11.2	111.7
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.0	99.9
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.9	99.8
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.4	103.4
b qc 100	5	<input checked="" type="checkbox"/>	100	100.1	100.1
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	253.1	101.2
b QC 250	6	<input checked="" type="checkbox"/>	250	246.9	98.8
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	524.8	105.0
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	969.7	97.0
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1027.5	102.7

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\120617 mdq p1 and p2\QuantResults\120617 mdq p2.batch.bin

Last Calib Update 12/8/2017 9:15 AM **Analyst Name** ISP TOX

Target Compound Quetiapine
Internal Standard Quetiapine-D8



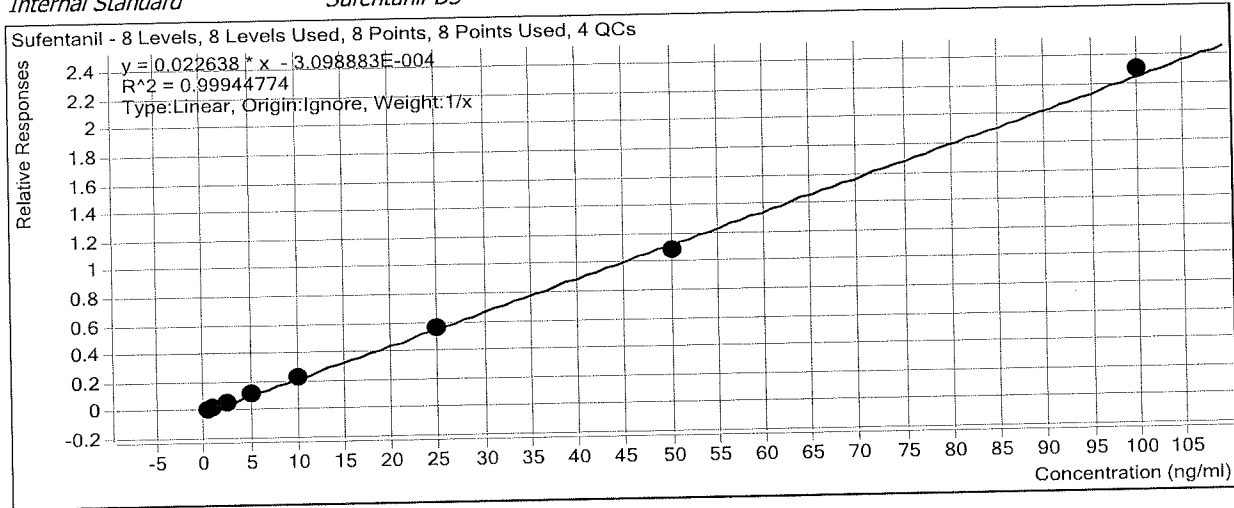
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.5
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	96.3
b QC 10	2	<input checked="" type="checkbox"/>	10	10.4	104.1
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.1	104.5
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.2	102.5
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	104.2	104.2
b qc 100	5	<input checked="" type="checkbox"/>	100	107.3	107.3
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	256.0	102.4
b QC 250	6	<input checked="" type="checkbox"/>	250	252.9	101.2
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	505.4	101.1
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	884.8	88.5
b qc 1000	8	<input checked="" type="checkbox"/>	1000	880.8	88.1

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\120617 mdq p1 and p2\QuantResults\120617 mdq p2.batch.bin

Last Calib Update 12/8/2017 9:15 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	100.7
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.0	98.6
b QC 10	2	<input checked="" type="checkbox"/>	1	1.2	118.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.5	100.1
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	5.2	103.5
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.9	98.7
b qc 100	5	<input checked="" type="checkbox"/>	10	10.2	102.3
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	25.1	100.2
b QC 250	6	<input checked="" type="checkbox"/>	25	24.8	99.3
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	48.2	96.5
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	101.7	101.7
b qc 1000	8	<input checked="" type="checkbox"/>	100	102.2	102.2

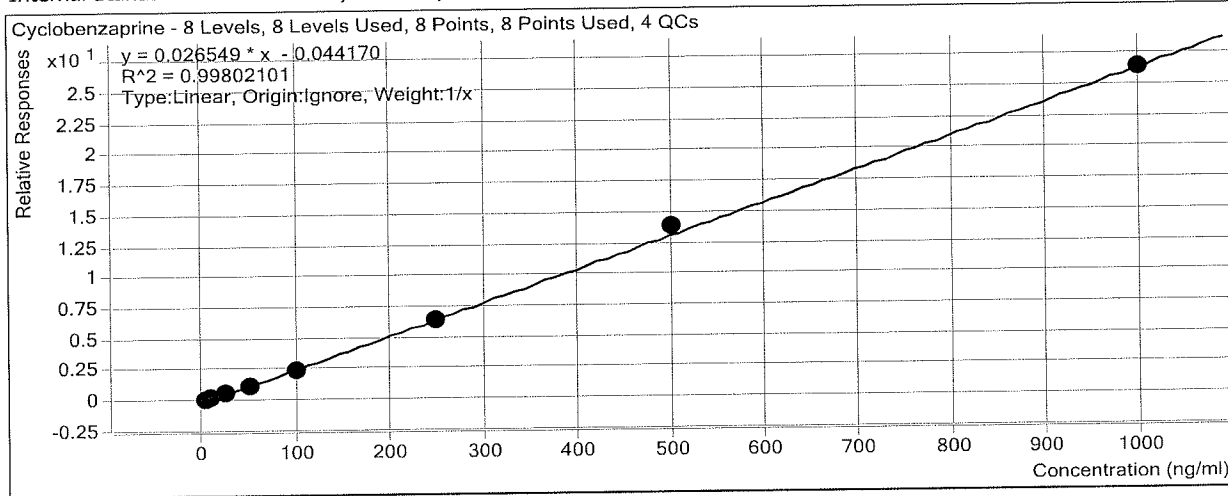
ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\120617 mdq p1 and p2\QuantResults\120617 mdq p2.batch.bin

Last Calib Update 12/8/2017 9:15 AM **Analyst Name** ISP TOX

Target Compound Cyclobenzaprine

Internal Standard Cyclobenzaprine-D3



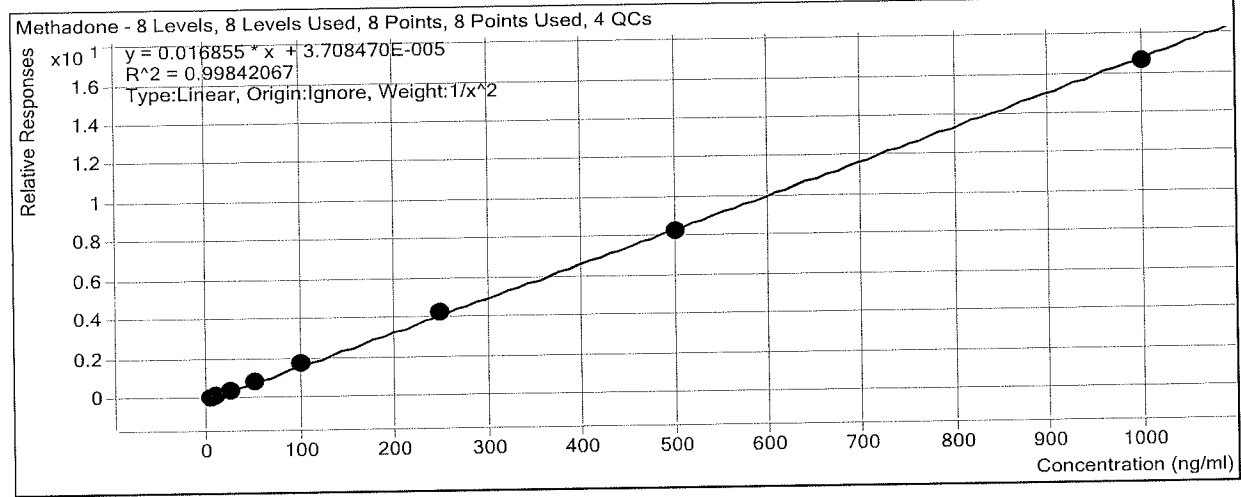
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	6.0	119.9
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.7	106.5
b QC 10	2	<input checked="" type="checkbox"/>	10	10.3	103.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.0	92.1
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	44.8	89.5
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	89.2	89.2
b qc 100	5	<input checked="" type="checkbox"/>	100	81.7	81.7
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	245.3	98.1
b QC 250	6	<input checked="" type="checkbox"/>	250	203.3	81.3
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	525.5	105.1
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	995.6	99.6
b qc 1000	8	<input checked="" type="checkbox"/>	1000	882.7	88.3

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\120617 mdq p1 and p2\QuantResults\120617 mdq p2.batch.bin

Last Calib Update 12/8/2017 9:15 AM **Analyst Name** ISP TOX

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



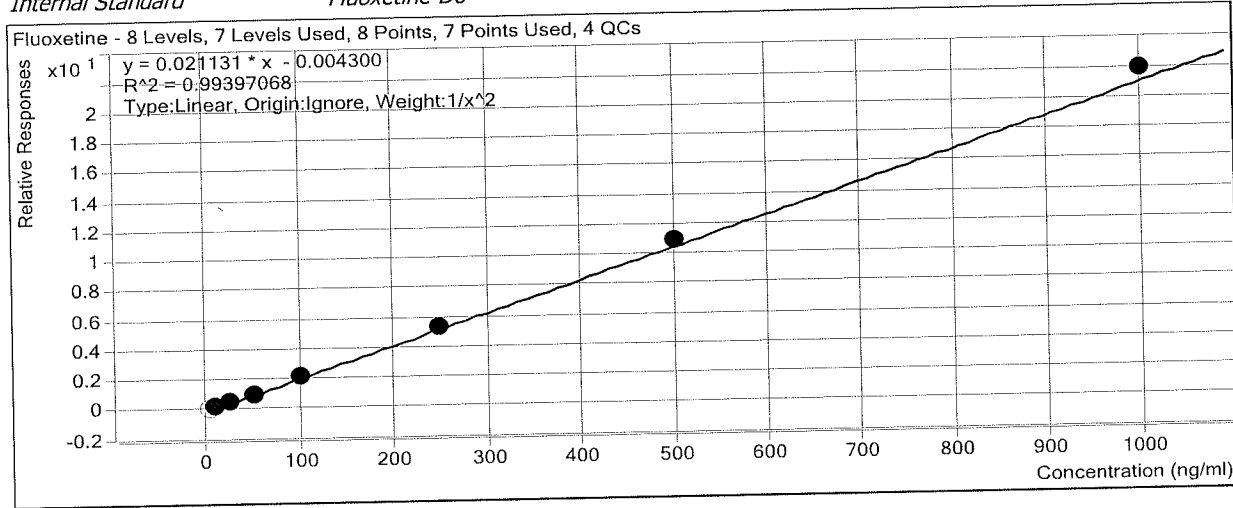
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	103.1
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.3	92.7
b QC 10	2	<input checked="" type="checkbox"/>	10	10.5	105.2
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.3	101.2
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.6	101.2
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.6	102.6
b qc 100	5	<input checked="" type="checkbox"/>	100	104.3	104.3
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	256.1	102.4
b QC 250	6	<input checked="" type="checkbox"/>	250	261.5	104.6
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	491.9	98.4
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	983.9	98.4
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1038.5	103.8

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\120617 mdq p1 and p2\QuantResults\120617 mdq p2.batch.bin

Last Calib Update 12/8/2017 9:15 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	5.5	109.1
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.5	105.3
b QC 10	2	<input checked="" type="checkbox"/>	10	10.7	106.8
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.3	89.0
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.1	92.3
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	105.6	105.6
b qc 100	5	<input checked="" type="checkbox"/>	100	103.9	103.9
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	250.6	100.3
b QC 250	6	<input checked="" type="checkbox"/>	250	255.2	102.1
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	520.1	104.0
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1036.2	103.6
b qc 1000	8	<input checked="" type="checkbox"/>	1000	968.6	96.9

ISP Forensics Calibration Curve Report

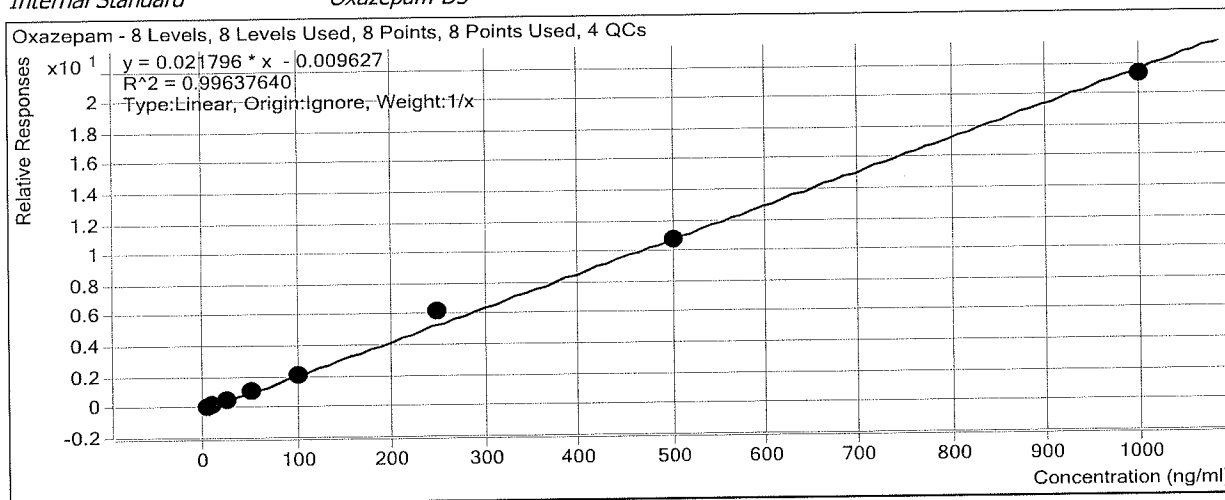
Batch Data Path D:\2017 Data\120617 mdq p1 and p2\QuantResults\120617 mdq p2.batch.bin

Last Calib Update 12/8/2017 9:15 AM

Analyst Name ISP TOX

Target Compound Oxazepam

Internal Standard Oxazepam-D5



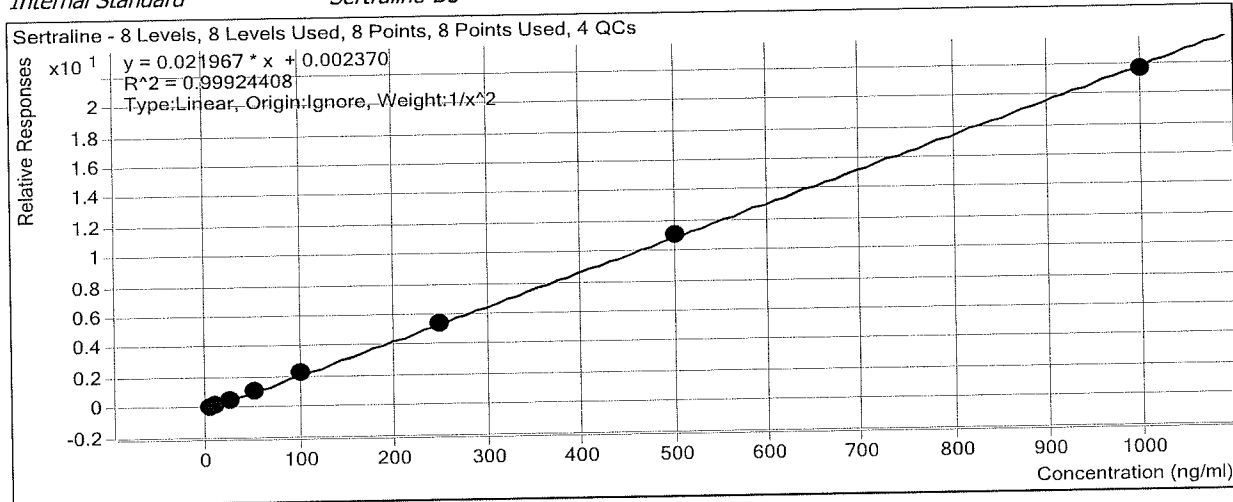
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.4	107.6
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.3	92.9
b QC 10	2	<input checked="" type="checkbox"/>	10	10.1	101.1
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.9	91.5
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.7	103.5
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	93.6	93.6
b qc 100	5	<input checked="" type="checkbox"/>	100	92.8	92.8
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	285.8	114.3
b QC 250	6	<input checked="" type="checkbox"/>	250	250.2	100.1
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	494.3	98.9
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	977.1	97.7
b qc 1000	8	<input checked="" type="checkbox"/>	1000	968.9	96.9

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\120617 mdq p1 and p2\QuantResults\120617 mdq p2.batch.bin

Last Calib Update 12/8/2017 9:15 AM **Analyst Name** ISP TOX

Target Compound Sertraline
Internal Standard Sertraline-D3



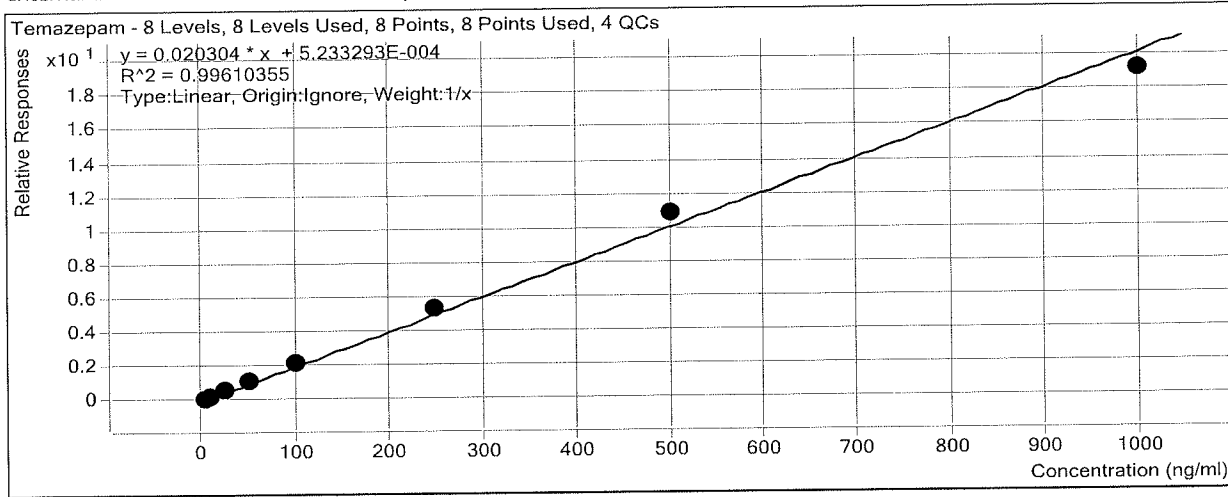
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.9	98.8
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.3	103.0
b QC 10	2	<input checked="" type="checkbox"/>	10	10.4	103.7
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.5	97.9
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.8	99.6
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.8	103.8
b qc 100	5	<input checked="" type="checkbox"/>	100	93.8	93.8
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	243.7	97.5
b QC 250	6	<input checked="" type="checkbox"/>	250	230.5	92.2
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	505.4	101.1
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	983.4	98.3
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1031.4	103.1

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\120617 mdq p1 and p2\QuantResults\120617 mdq p2.batch.bin

Last Calib Update 12/8/2017 9:15 AM **Analyst Name** ISP TOX

Target Compound Temazepam
Internal Standard Temazepam-D5



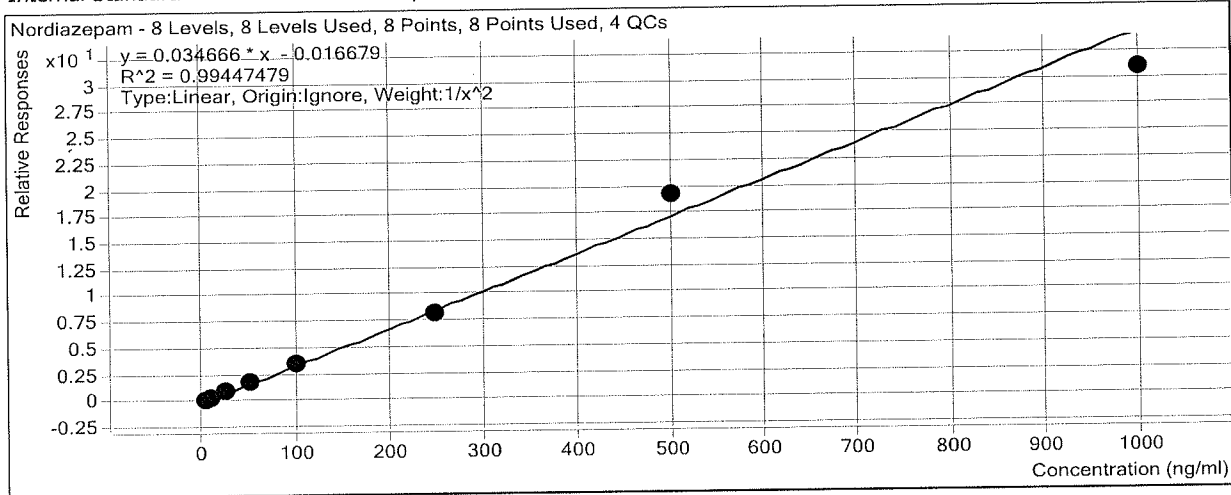
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.3	86.9
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.5	95.3
b QC 10	2	<input checked="" type="checkbox"/>	10	10.1	100.7
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.8	103.2
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.1	104.2
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	104.1	104.1
b qc 100	5	<input checked="" type="checkbox"/>	100	102.0	102.0
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	260.1	104.1
b QC 250	6	<input checked="" type="checkbox"/>	250	260.4	104.1
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	539.2	107.8
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	944.8	94.5
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1046.3	104.6

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\120617 mdq p1 and p2\QuantResults\120617 mdq p2.batch.bin

Last Calib Update .12/8/2017 9:15 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	9.9	99.0
b QC 10	2	<input checked="" type="checkbox"/>	10	10.2	102.2
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.7	102.9
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.3	102.6
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.8	100.8
b qc 100	5	<input checked="" type="checkbox"/>	100	100.1	100.1
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	236.3	94.5
b QC 250	6	<input checked="" type="checkbox"/>	250	259.5	103.8
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	556.9	111.4
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	892.0	89.2
b qc 1000	8	<input checked="" type="checkbox"/>	1000	900.5	90.0

ISP Forensics Calibration Curve Report

Batch Data Path

D:\2017 Data\120617 mdq p1 and p2\QuantResults\120617 mdq p2.batch.bin

Last Calib Update

12/8/2017 9:15 AM

Analyst Name

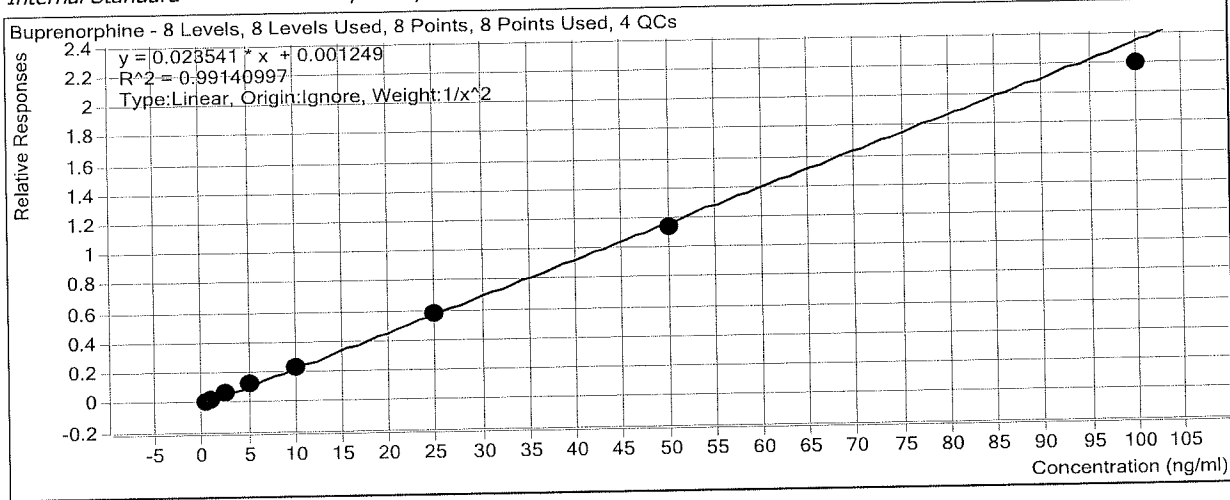
ISP TOX

Target Compound

Buprenorphine

Internal Standard

Buprenorphine-D4



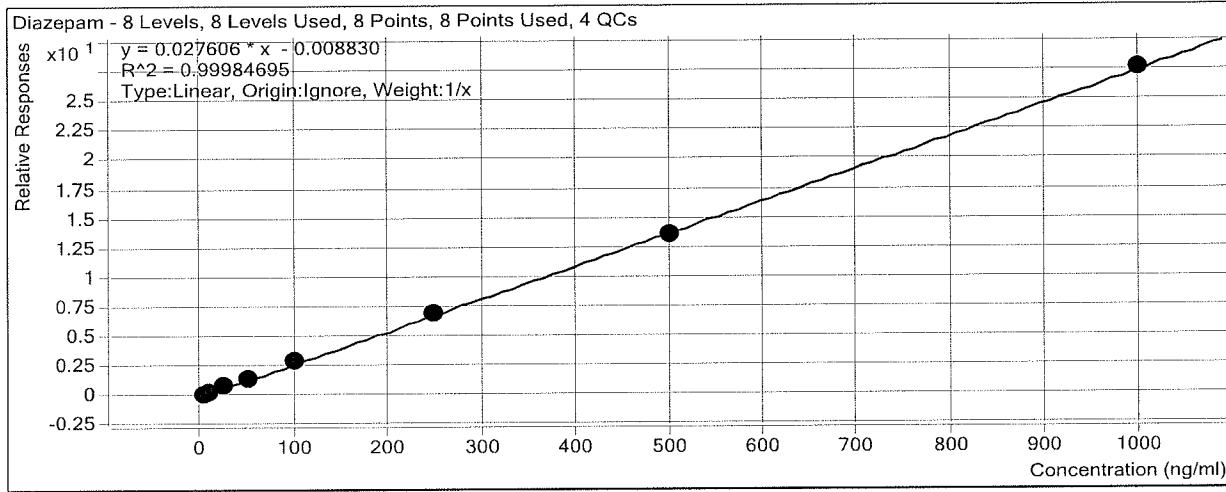
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	0.5	0.5	104.0
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	0.9	86.2
b QC 10	2	<input checked="" type="checkbox"/>	1	1.1	112.9
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.8	110.1
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	5.5	109.4
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	10.2	101.6
b qc 100	5	<input checked="" type="checkbox"/>	10	10.4	103.6
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	24.6	98.5
b QC 250	6	<input checked="" type="checkbox"/>	25	25.5	102.1
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	48.7	97.3
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	93.0	93.0
b qc 1000	8	<input checked="" type="checkbox"/>	100	83.2	83.2

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\120617 mdq p1 and p2\QuantResults\120617 mdq p2.batch.bin

Last Calib Update 12/8/2017 9:15 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.9	98.2
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.4	94.4
b QC 10	2	<input checked="" type="checkbox"/>	10	10.7	107.1
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.6	106.4
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.5	99.1
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.6	102.6
b qc 100	5	<input checked="" type="checkbox"/>	100	100.5	100.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	250.8	100.3
b QC 250	6	<input checked="" type="checkbox"/>	250	265.1	106.0
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	494.6	98.9
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1001.6	100.2
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1036.1	103.6

ISP FORENSICS - Cd'A Instrument # 62340

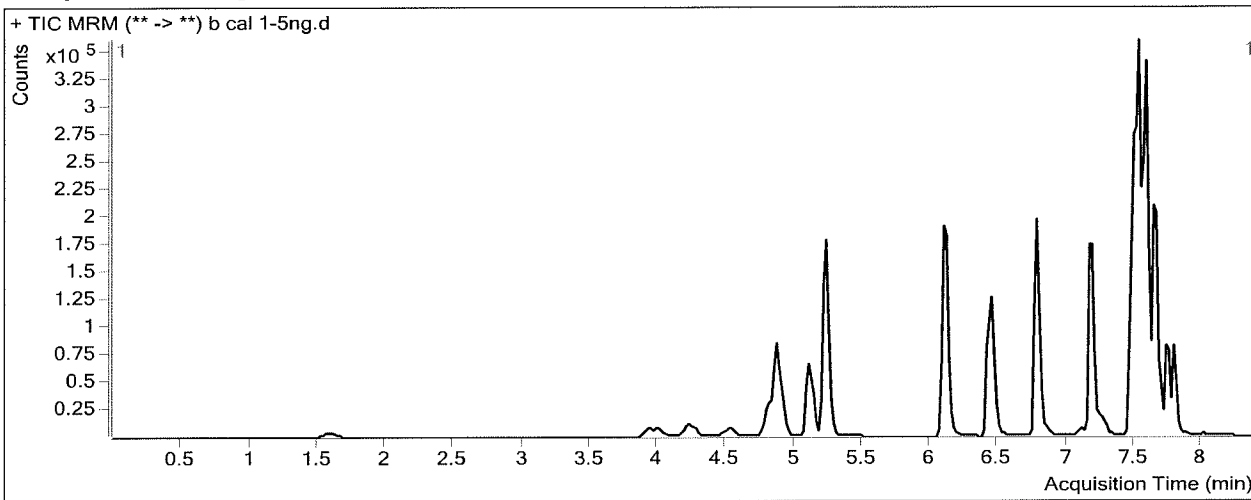
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\120617 mdq p1 and p2\QuantResults\120617 mdq p2.batch.bin
Analysis Time 12/8/2017 9:16 AM **Analyst Name** ISP Tox
Report Time 12/8/2017 9:26 AM **Reporter Name** ISP Tox
Last Calib Update 12/8/2017 9:15 AM **Batch State** Processed

Analysis Info

Acq Time 2017-12-06 16:33 **Data File** b cal 1-5ng.d
Sample Type Calibration **Sample Name** b cal 1-5ng
Dilution 1 **Acq Method** Quant Panel 1b 10-2017.m
Position P1-A1 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



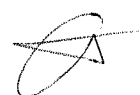
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.608	3374	28520	0.1183	5.3030
Dihydrocodeine	Dihydrocodeine-D6	4.035	6598	64715	0.1020	4.1340
Naloxone	Naloxone-D5	4.310	4803	67646	0.0710	5.1511
Noroxycodone	Noroxycodone-D3	4.558	4396	36687	0.1198	5.1255
Naltrexone	Naltrexone-D3	4.830	10680	98051	0.1089	5.0754
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.944	3478	308578	0.0113	0.5212
Naltrexol	Naltrexol-D3	5.110	24044	180806	0.1330	4.2945
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.239	59405	543476	0.1093	4.8685
Ketamine	Ketamine-D4	6.095	24494	191101	0.1282	5.0405
Norfentanyl	Norfentanyl-D5	6.140	4303	442372	0.0097	0.7399
alpha-PVP	alpha-PVP-d8	6.447	42507	347765	0.1222	5.0279
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.800	5850	584625	0.0100	0.5239
Fentanyl	Fentanyl-D5	7.178	5888	550149	0.0107	0.5338
EDDP	EDDP-D3	7.269	3320	36418	0.0912	5.2281
Quetiapine	Quetiapine-D8	7.479	62166	168551	0.3688	5.0244
Sufentanil	Sufentanil-D5	7.478	3816	344059	0.0111	0.5036
Cyclobenzaprine	Cyclobenzaprine-D3	7.512	26410	229771	0.1149	5.9931
Methadone	Methadone-D9	7.522	48433	557025	0.0869	5.1566
Fluoxetine	Fluoxetine-D6	7.584	75997	684640	0.1110	5.4565
Oxazepam	Oxazepam-D5	7.609	12944	120210	0.1077	5.3821
Sertraline	Sertraline-D3	7.645	17534	158077	0.1109	4.9415
Temazepam	Temazepam-D5	7.667	31599	356222	0.0887	4.3432
Nordiazepam	Nordiazepam-D5	7.735	12802	82018	0.1561	4.9838

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

Plb cal 1

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Buprenorphine	Buprenorphine-D4	7.797	1646	122026	0.0135	0.5198
Diazepam	Diazepam-D5	7.790	17823	140706	0.1267	4.9082



ISP FORENSICS - Cd'A Instrument # 62340

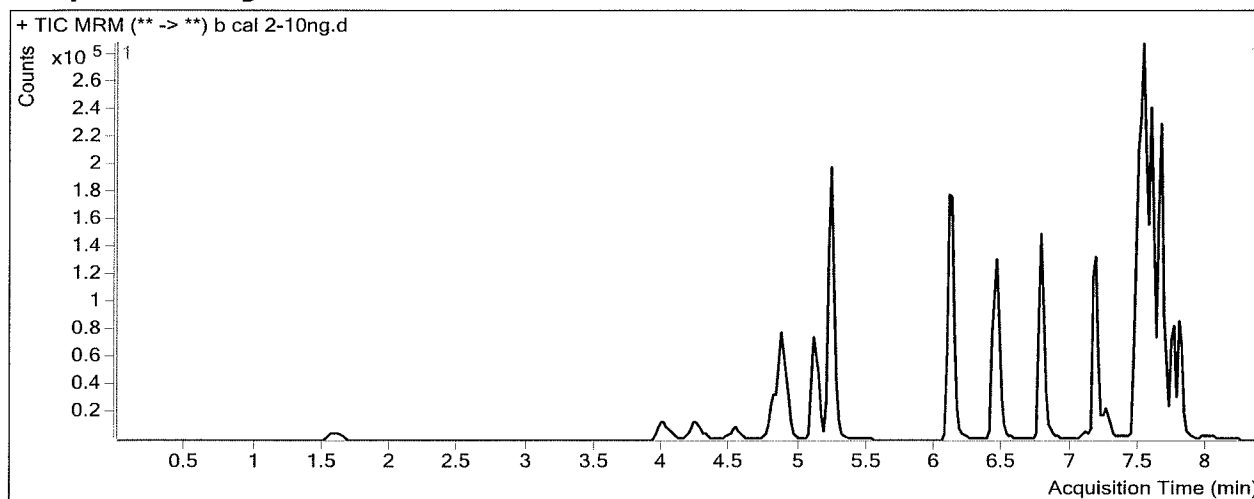
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\120617 mdq p1 and p2\QuantResults\120617 mdq p2.batch.bin
Analysis Time 12/8/2017 9:16 AM **Analyst Name** ISP Tox
Report Time 12/8/2017 9:26 AM **Reporter Name** ISP Tox
Last Calib Update 12/8/2017 9:15 AM **Batch State** Processed

Analysis Info

Acq Time 2017-12-06 16:58 **Data File** b cal 2-10ng.d
Sample Type Calibration **Sample Name** b cal 2-10ng
Dilution 1 **Acq Method** Quant Panel 1b 10-2017.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	1.628	6438	29449	0.2186	9.5023
Dihydrocodeine	Dihydrocodeine-D6	4.055	12747	63629	0.2003	9.5506
Naloxone	Naloxone-D5	4.310	8492	66577	0.1276	9.2249
Noroxycodone	Noroxycodone-D3	4.558	7488	34025	0.2201	9.3564
Naltrexone	Naltrexone-D3	4.830	19509	94198	0.2071	9.6434
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.944	5937	276492	0.0215	0.9562
Naltrexol	Naltrexol-D3	5.110	44772	172277	0.2599	9.3939
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.239	111617	540079	0.2067	9.5310
Ketamine	Ketamine-D4	6.095	44380	181729	0.2442	9.6430
Norfentanyl	Norfentanyl-D5	6.140	7362	392968	0.0187	1.1413
alpha-PVP	alpha-PVP-d8	6.447	76530	314208	0.2436	9.7732
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.800	8655	445100	0.0194	0.9699
Fentanyl	Fentanyl-D5	7.178	8886	391606	0.0227	1.0418
EDDP	EDDP-D3	7.269	6804	38878	0.1750	8.9186
Quetiapine	Quetiapine-D8	7.479	101041	143792	0.7027	9.6288
Sufentanil	Sufentanil-D5	7.498	5068	230343	0.0220	0.9856
Cyclobenzaprine	Cyclobenzaprine-D3	7.512	35928	150579	0.2386	10.6508
Methadone	Methadone-D9	7.543	67012	428672	0.1563	9.2727
Fluoxetine	Fluoxetine-D6	7.584	87909	403053	0.2181	10.5251
Oxazepam	Oxazepam-D5	7.609	23399	121314	0.1929	9.2911
Sertraline	Sertraline-D3	7.645	21985	96173	0.2286	10.2983
Temazepam	Temazepam-D5	7.667	69752	359396	0.1941	9.5331
Nordiazepam	Nordiazepam-D5	7.755	26674	81689	0.3265	9.9003

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

Plb cal 2

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Buprenorphine	Buprenorphine-D4	7.797	2015	93529	0.0215	0.8620
Diazepam	Diazepam-D5	7.810	34608	137470	0.2517	9.4391



ISP FORENSICS - Cd'A Instrument # 62340

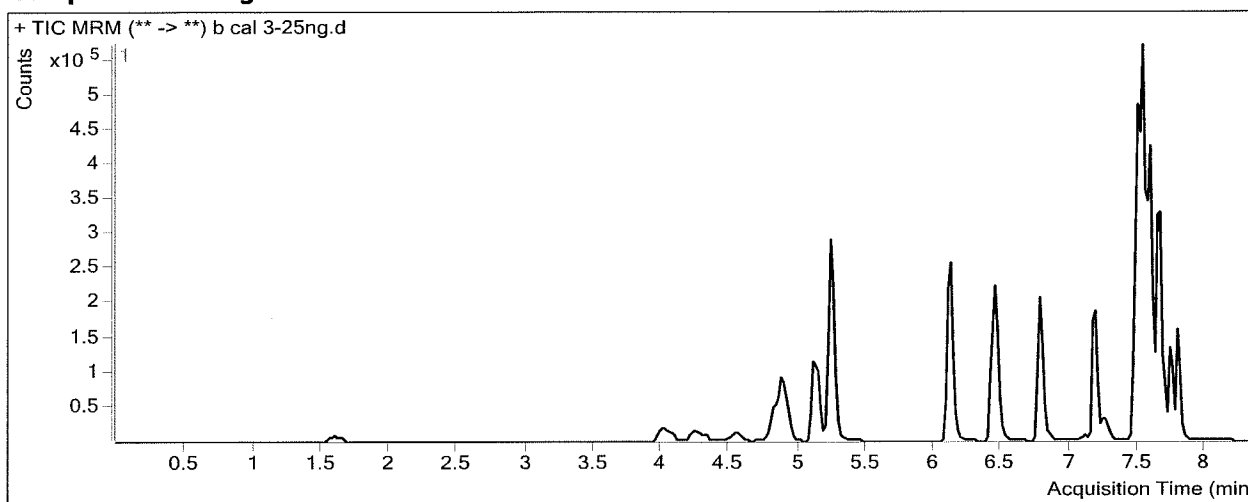
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\120617 mdq p1 and p2\QuantResults\120617 mdq p2.batch.bin
Analysis Time 12/8/2017 9:16 AM **Analyst Name** ISP Tox
Report Time 12/8/2017 9:26 AM **Reporter Name** ISP Tox
Last Calib Update 12/8/2017 9:15 AM **Batch State** Processed

Analysis Info

Acq Time 2017-12-06 17:24 **Data File** b cal 3-25ng.d
Sample Type Calibration **Sample Name** b cal 3-25ng
Dilution 1 **Acq Method** Quant Panel 1b 10-2017.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	1.608	18766	32833	0.5716	24.2821
Dihydrocodeine	Dihydrocodeine-D6	4.055	36237	74723	0.4850	25.2229
Naloxone	Naloxone-D5	4.310	28064	77960	0.3600	25.9670
Noroxycodone	Noroxycodone-D3	4.578	23225	39317	0.5907	24.9965
Naltrexone	Naltrexone-D3	4.830	57117	106955	0.5340	24.8551
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.944	17142	320123	0.0535	2.3240
Naltrexol	Naltrexol-D3	5.130	136619	206359	0.6620	25.5549
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.239	332581	615215	0.5406	25.5216
Ketamine	Ketamine-D4	6.095	135673	208864	0.6496	25.7212
Norfentanyl	Norfentanyl-D5	6.140	22857	468028	0.0488	2.4828
alpha-PVP	alpha-PVP-d8	6.447	238825	371758	0.6424	25.3720
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.800	30186	586841	0.0514	2.4815
Norbuprenorphine	Norbuprenorphine-D3	7.093	1294	20203	0.0640	2.6112
Fentanyl	Fentanyl-D5	7.178	29447	532988	0.0552	2.4214
EDDP	EDDP-D3	7.269	25379	47014	0.5398	24.9781
Quetiapine	Quetiapine-D8	7.479	343850	181021	1.8995	26.1343
Sufentanil	Sufentanil-D5	7.478	18197	323114	0.0563	2.5014
Cyclobenzaprine	Cyclobenzaprine-D3	7.512	130102	229377	0.5672	23.0277
Methadone	Methadone-D9	7.522	246205	577517	0.4263	25.2915
Fluoxetine	Fluoxetine-D6	7.584	278759	598093	0.4661	22.2600
Oxazepam	Oxazepam-D5	7.609	56010	114515	0.4891	22.8824
Sertraline	Sertraline-D3	7.645	82023	151910	0.5399	24.4717
Temazepam	Temazepam-D5	7.667	209672	399903	0.5243	25.7976

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

P16 cal 3

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Nordiazepam	Nordiazepam-D5	7.735	72307	82648	0.8749	25.7185
Buprenorphine	Buprenorphine-D4	7.797	8081	122396	0.0660	2.7516
Diazepam	Diazepam-D5	7.790	109791	151368	0.7253	26.5936

ISP FORENSICS - Cd'A Instrument # 62340

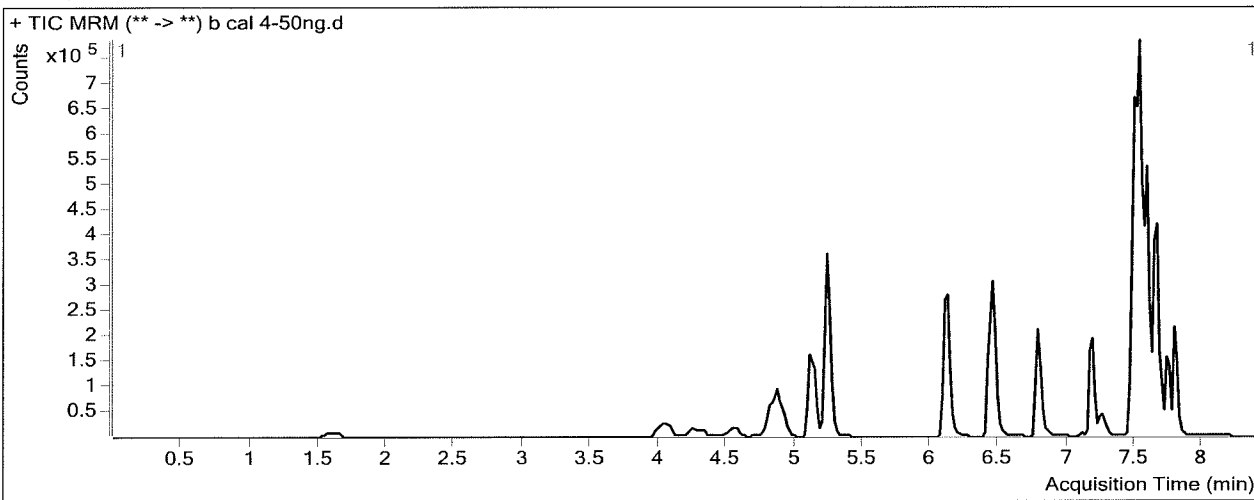
Multi-Drug Confirmatory Analysis Report

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Analysis Time 12/8/2017 9:16 AM **Analyst Name** ISP Tox
Report Time 12/8/2017 9:26 AM **Reporter Name** ISP Tox
Last Calib Update 12/8/2017 9:15 AM **Batch State** Processed

Analysis Info

Acq Time 2017-12-06 17:49 **Data File** b cal 4-50ng.d
Sample Type Calibration **Sample Name** b cal 4-50ng
Dilution 1 **Acq Method** Quant Panel 1b 10-2017.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	1.628	34947	29540	1.1830	49.8881
Dihydrocodeine	Dihydrocodeine-D6	4.055	68514	68715	0.9971	53.4204
Naloxone	Naloxone-D5	4.310	49819	70375	0.7079	51.0291
Noroxycodone	Noroxycodone-D3	4.558	44055	36251	1.2153	51.3525
Naltrexone	Naltrexone-D3	4.830	104443	94253	1.1081	51.5669
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.944	32904	294625	0.1117	4.8029
Naltrexol	Naltrexol-D3	5.130	257282	189537	1.3574	53.4984
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.239	611545	564817	1.0827	51.4830
Ketamine	Ketamine-D4	6.095	253071	195759	1.2928	51.2328
Norfentanyl	Norfentanyl-D5	6.140	42892	429199	0.0999	4.7599
alpha-PVP	alpha-PVP-d8	6.447	454595	346672	1.3113	51.5315
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.800	58683	560388	0.1047	4.9990
Norbuprenorphine	Norbuprenorphine-D3	7.093	1957	19306	0.1013	4.4602
Fentanyl	Fentanyl-D5	7.178	57178	514071	0.1112	4.7933
EDDP	EDDP-D3	7.269	50864	45985	1.1061	49.9045
Quetiapine	Quetiapine-D8	7.479	634803	170641	3.7201	51.2427
Sufentanil	Sufentanil-D5	7.478	35121	300461	0.1169	5.1770
Cyclobenzaprine	Cyclobenzaprine-D3	7.512	247652	216430	1.1443	44.7635
Methadone	Methadone-D9	7.522	454584	533149	0.8526	50.5857
Fluoxetine	Fluoxetine-D6	7.584	518456	534238	0.9705	46.1289
Oxazepam	Oxazepam-D5	7.609	98374	87987	1.1181	51.7390
Sertraline	Sertraline-D3	7.645	138353	126242	1.0959	49.7817
Temazepam	Temazepam-D5	7.667	360089	340323	1.0581	52.0874

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

Plb cal 4

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Nordiazepam	Nordiazepam-D5	7.735	127030	72111	1.7616	51.2969
Buprenorphine	Buprenorphine-D4	7.797	15072	115928	0.1300	5.4697
Diazepam	Diazepam-D5	7.790	196104	144320	1.3588	49.5409



ISP FORENSICS - Cd'A Instrument # 62340

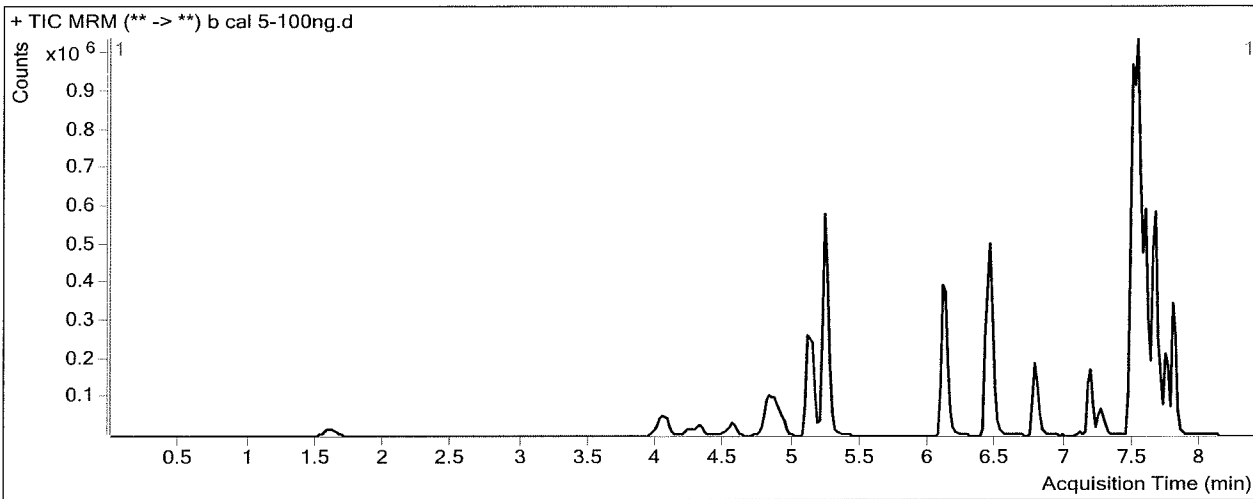
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\120617 mdq p1 and p2\QuantResults\120617 mdq p2.batch.bin		
Analysis Time	12/8/2017 9:16 AM	Analyst Name	ISP Tox
Report Time	12/8/2017 9:26 AM	Reporter Name	ISP Tox
Last Calib Update	12/8/2017 9:15 AM	Batch State	Processed

Analysis Info

Acq Time	2017-12-06 18:14	Data File	b cal 5-100ng.d
Sample Type	Calibration	Sample Name	b cal 5-100ng
Dilution	1	Acq Method	Quant Panel 1b 10-2017.m
Position	P1-E1	Sample Info	
Inj Vol	-1	Comment	AM 28 Panel 1

Sample Chromatogram



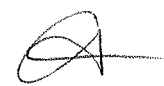
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.608	72154	30052	2.4010	100.8901
Dihydrocodeine	Dihydrocodeine-D6	4.055	138468	68480	2.0220	109.8548
Naloxone	Naloxone-D5	4.310	96676	71190	1.3580	97.8576
Noroxycodone	Noroxycodone-D3	4.558	85670	35769	2.3951	101.1415
Naltrexone	Naltrexone-D3	4.830	198292	90350	2.1947	102.1250
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.944	68052	289135	0.2354	10.0769
Naltrexol	Naltrexol-D3	5.130	523731	193905	2.7010	107.4884
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.239	1266689	589087	2.1503	102.6037
Ketamine	Ketamine-D4	6.095	516464	197101	2.6203	103.8882
Norfentanyl	Norfentanyl-D5	6.140	88775	427237	0.2078	9.5663
alpha-PVP	alpha-PVP-d8	6.447	889893	348699	2.5520	100.0549
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.800	96593	460523	0.2097	9.9615
Norbuprenorphine	Norbuprenorphine-D3	7.093	3332	15276	0.2181	10.2452
Fentanyl	Fentanyl-D5	7.178	89263	377010	0.2368	10.1130
EDDP	EDDP-D3	7.269	102583	44204	2.3206	103.3694
Quetiapine	Quetiapine-D8	7.479	1174793	155345	7.5625	104.2340
Sufentanil	Sufentanil-D5	7.478	48494	217229	0.2232	9.8748
Cyclobenzaprine	Cyclobenzaprine-D3	7.512	318683	137075	2.3249	89.2329
Methadone	Methadone-D9	7.522	745454	431082	1.7293	102.5966
Fluoxetine	Fluoxetine-D6	7.584	832347	373902	2.2261	105.5506
Oxazepam	Oxazepam-D5	7.609	135333	66673	2.0298	93.5699
Sertraline	Sertraline-D3	7.645	198819	87076	2.2833	103.8330
Temazepam	Temazepam-D5	7.667	671806	317912	2.1132	104.0535

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

Plb cal 5

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Nordiazepam	Nordiazepam-D5	7.735	234203	67376	3.4760	100.7532
Buprenorphine	Buprenorphine-D4	7.797	23869	99297	0.2404	10.1579
Diazepam	Diazepam-D5	7.790	388545	137585	2.8240	102.6161



ISP FORENSICS - Cd'A Instrument # 62340

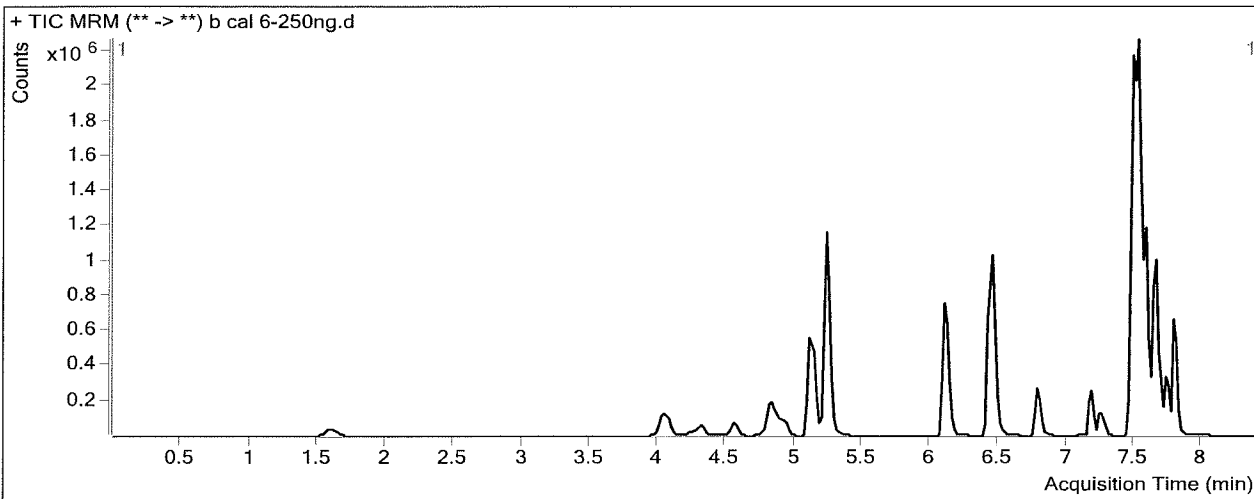
Multi-Drug Confirmatory Analysis Report

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Analysis Time 12/8/2017 9:16 AM **Analyst Name** ISP Tox
Report Time 12/8/2017 9:26 AM **Reporter Name** ISP Tox
Last Calib Update 12/8/2017 9:15 AM **Batch State** Processed

Analysis Info

Acq Time 2017-12-06 18:40 **Data File** b cal 6-250ng.d
Sample Type Calibration **Sample Name** b cal 6-250ng
Dilution 1 **Acq Method** Quant Panel 1b 10-2017.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	1.608	182330	30144	6.0487	253.6371
Dihydrocodeine	Dihydrocodeine-D6	4.055	347732	72139	4.8203	263.9318
Naloxone	Naloxone-D5	4.310	241953	70764	3.4191	246.3292
Noroxycodone	Noroxycodone-D3	4.558	207960	35510	5.8563	247.2029
Naltrexone	Naltrexone-D3	4.830	423745	80347	5.2740	245.3999
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.944	178158	298672	0.5965	25.4767
Naltrexol	Naltrexol-D3	5.110	1246619	191618	6.5058	260.3828
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.239	3135469	599317	5.2317	250.1665
Ketamine	Ketamine-D4	6.095	1266801	201523	6.2861	249.2906
Norfentanyl	Norfentanyl-D5	6.140	215946	411512	0.5248	23.6919
alpha-PVP	alpha-PVP-d8	6.447	2140809	337962	6.3345	247.9814
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.780	253284	482320	0.5251	24.8636
Norbuprenorphine	Norbuprenorphine-D3	7.093	8072	14779	0.5462	26.4996
Fentanyl	Fentanyl-D5	7.178	228000	399457	0.5708	24.2663
EDDP	EDDP-D3	7.269	261173	45650	5.7212	253.0624
Quetiapine	Quetiapine-D8	7.479	2865681	154333	18.5681	256.0150
Sufentanil	Sufentanil-D5	7.478	133345	235153	0.5671	25.0621
Cyclobenzaprine	Cyclobenzaprine-D3	7.512	910766	140826	6.4673	245.2626
Methadone	Methadone-D9	7.522	1905689	441464	4.3168	256.1149
Fluoxetine	Fluoxetine-D6	7.584	2072569	391650	5.2919	250.6338
Oxazepam	Oxazepam-D5	7.609	186495	29989	6.2187	285.7595
Sertraline	Sertraline-D3	7.645	500395	93433	5.3556	243.6943
Temazepam	Temazepam-D5	7.667	1318741	249649	5.2824	260.1438

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

plb cal 6

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Nordiazepam	Nordiazepam-D5	7.735	445705	54524	8.1745	236.2868
Buprenorphine	Buprenorphine-D4	7.797	55436	95424	0.5809	24.6251
Diazepam	Diazepam-D5	7.790	892472	129090	6.9136	250.7545



ISP FORENSICS - Cd'A Instrument # 62340

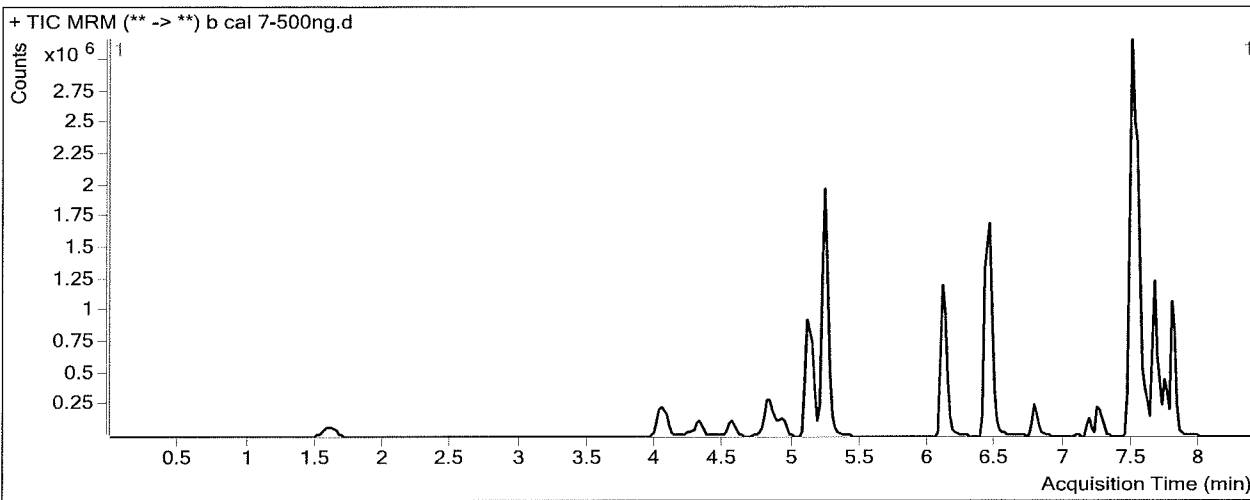
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\120617 mdq p1 and p2\QuantResults\120617 mdq p2.batch.bin
Analysis Time 12/8/2017 9:16 AM **Analyst Name** ISP Tox
Report Time 12/8/2017 9:26 AM **Reporter Name** ISP Tox
Last Calib Update 12/8/2017 9:15 AM **Batch State** Processed

Analysis Info

Acq Time 2017-12-06 19:05 **Data File** b cal 7-500ng.d
Sample Type Calibration **Sample Name** b cal 7-500ng
Dilution 1 **Acq Method** Quant Panel 1b 10-2017.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	1.608	357569	29957	11.9361	500.1741
Dihydrocodeine	Dihydrocodeine-D6	4.055	635785	68088	9.3377	512.6657
Naloxone	Naloxone-D5	4.310	456932	66036	6.9195	498.4708
Noroxycodone	Noroxycodone-D3	4.558	370702	30600	12.1145	511.2930
Naltrexone	Naltrexone-D3	4.830	708708	64376	11.0088	512.2398
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.944	337970	275928	1.2248	52.2709
Naltrexol	Naltrexol-D3	5.110	2221411	173403	12.8107	513.7454
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.239	5813046	556172	10.4519	500.1438
Ketamine	Ketamine-D4	6.095	2382773	191166	12.4644	494.3467
Norfentanyl	Norfentanyl-D5	6.120	399583	365120	1.0944	49.0768
alpha-PVP	alpha-PVP-d8	6.447	3974354	313143	12.6918	496.6096
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.780	303695	288922	1.0511	49.7166
Norbuprenorphine	Norbuprenorphine-D3	7.093	8024	8576	0.9356	45.7899
Fentanyl	Fentanyl-D5	7.178	164872	147897	1.1148	47.3179
EDDP	EDDP-D3	7.249	496004	41698	11.8950	524.8309
Quetiapine	Quetiapine-D8	7.479	4811383	131275	36.6511	505.4020
Sufentanil	Sufentanil-D5	7.478	66702	61098	1.0917	48.2377
Cyclobenzaprine	Cyclobenzaprine-D3	7.512	397592	28590	13.9068	525.4768
Methadone	Methadone-D9	7.522	1934638	233358	8.2904	491.8771
Fluoxetine	Fluoxetine-D6	7.584	472578	43015	10.9864	520.1182
Oxazepam	Oxazepam-D5	7.609	265391	24656	10.7637	494.2881
Sertraline	Sertraline-D3	7.645	90667	8165	11.1048	505.4077
Temazepam	Temazepam-D5	7.667	2212106	202035	10.9491	539.2461

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

Plb cal 7

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Nordiazepam	Nordiazepam-D5	7.735	673222	34901	19.2896	556.9206
Buprenorphine	Buprenorphine-D4	7.797	52485	45770	1.1467	48.6590
Diazepam	Diazepam-D5	7.790	1542606	113056	13.6446	494.5761



ISP FORENSICS - Cd'A Instrument # 62340

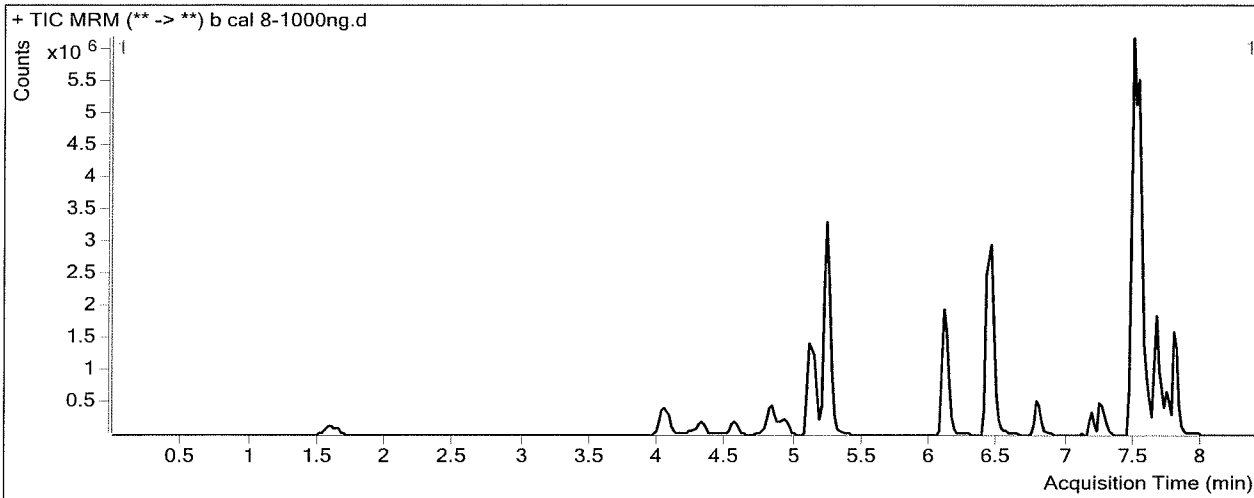
Multi-Drug Confirmatory Analysis Report

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Analysis Time 12/8/2017 9:16 AM **Analyst Name** ISP Tox
Report Time 12/8/2017 9:26 AM **Reporter Name** ISP Tox
Last Calib Update 12/8/2017 9:15 AM **Batch State** Processed

Analysis Info

Acq Time 2017-12-06 19:31 **Data File** b cal 8-1000ng.d
Sample Type Calibration **Sample Name** b cal 8-1000ng
Dilution 1 **Acq Method** Quant Panel 1b 10-2017.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	1.608	690952	29051	23.7845	996.3231
Dihydrocodeine	Dihydrocodeine-D6	4.055	1133456	64828	17.4841	961.2198
Naloxone	Naloxone-D5	4.310	872025	61154	14.2594	1027.1917
Noroxycodone	Noroxycodone-D3	4.558	688972	29384	23.4473	989.5316
Naltrexone	Naltrexone-D3	4.830	1169312	56223	20.7979	967.7156
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.944	644355	255180	2.5251	107.7165
Naltrexol	Naltrexol-D3	5.110	3757579	156200	24.0561	965.6416
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.239	10642174	511644	20.8000	995.6819
Ketamine	Ketamine-D4	6.095	4247522	177451	23.9363	949.3666
Norfentanyl	Norfentanyl-D5	6.120	734563	319445	2.2995	102.7811
alpha-PVP	alpha-PVP-d8	6.447	7333980	290998	25.2029	985.9028
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.780	820285	385912	2.1256	100.4838
Norbuprenorphine	Norbuprenorphine-D3	7.093	17301	8020	2.1573	106.3170
Fentanyl	Fentanyl-D5	7.178	476316	195137	2.4409	103.5126
EDDP	EDDP-D3	7.249	1036999	47133	22.0014	969.7081
Quetiapine	Quetiapine-D8	7.479	9372735	146078	64.1627	884.8202
Sufentanil	Sufentanil-D5	7.478	203394	88392	2.3011	101.6578
Cyclobenzaprine	Cyclobenzaprine-D3	7.512	1028936	38993	26.3879	995.5925
Methadone	Methadone-D9	7.522	4864390	293343	16.5826	983.8601
Fluoxetine	Fluoxetine-D6	7.584	1247352	56976	21.8927	1036.2392
Oxazepam	Oxazepam-D5	7.609	403285	18945	21.2866	977.0879
Sertraline	Sertraline-D3	7.645	252636	11693	21.6056	983.4337
Temazepam	Temazepam-D5	7.667	2967659	154701	19.1832	944.7953

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

Plb cal 8

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Nordiazepam	Nordiazepam-D5	7.735	950402	30752	30.9056	892.0055
Buprenorphine	Buprenorphine-D4	7.797	115009	52512	2.1902	92.9837
Diazepam	Diazepam-D5	7.790	2509687	90796	27.6409	1001.5717

