

reviewed 2/2/18

2/1/2018



Worklist: 2164

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>
C2017-2496	1	106638	AM 28 Blood Multi-Drug Quant
C2018-0044	1	106639	AM 28 Blood Multi-Drug Quant
C2018-0065	1	106640	AM 28 Blood Multi-Drug Quant
C2018-0077	1	106641	AM 28 Blood Multi-Drug Quant
C2018-0119	1	106642	AM 28 Blood Multi-Drug Quant
C2018-0183	1	106643	AM 28 Blood Multi-Drug Quant
C2018-0188	1	106644	AM 28 Blood Multi-Drug Quant



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

Extraction Date: 2-1-18
Plate lot#: 0507680

Analyst: Anne Nold
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
LCMS-QQQ ID: 62340

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

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: 02012018 MDQ Batch Name: 02012018 mdq plb
- 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 . *primary secondary 5*
- 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 limits*
buprenorphine 2.5-50
G-MAM 1-100
Norhydrocodone 25-1000
Fentanyl 1-100
Scitaline 10-1000
Nor fentanyl 2.5-100

Not evaluated - nor buprenorphine - ratio variability and accuracy variability.
QC 10 carisoprodol not evaluated top cut off peak
QC 250 Noroxycodone not evaluated split peak

Toxicology AMI 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

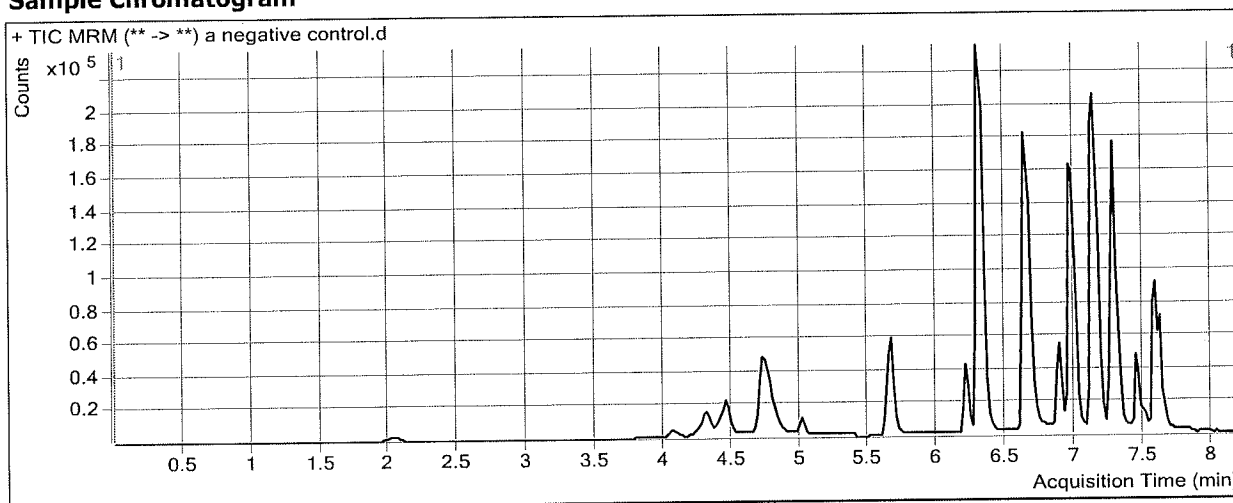
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2018 Data\02012018 mdq\QuantResults\02012018 mdq p1a.batch.bin
Analysis Time 2/2/2018 10:42 AM **Analyst Name** ISP Tox
Report Time 2/2/2018 10:45 AM **Reporter Name** ISP Tox
Last Calib Update 2/2/2018 10:41 AM **Batch State** Processed

Analysis Info

Acq Time 2018-02-01 14:54 **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



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Amphetamine	Amphetamine-D11	4.443	15356	61274	0.2506	0.4789 < 5
Methamphetamine	Methamphetamine-D11	4.841	9347	156949	0.0596	0.0000 < 5

ISP FORENSICS - Cd'A Instrument # 62340

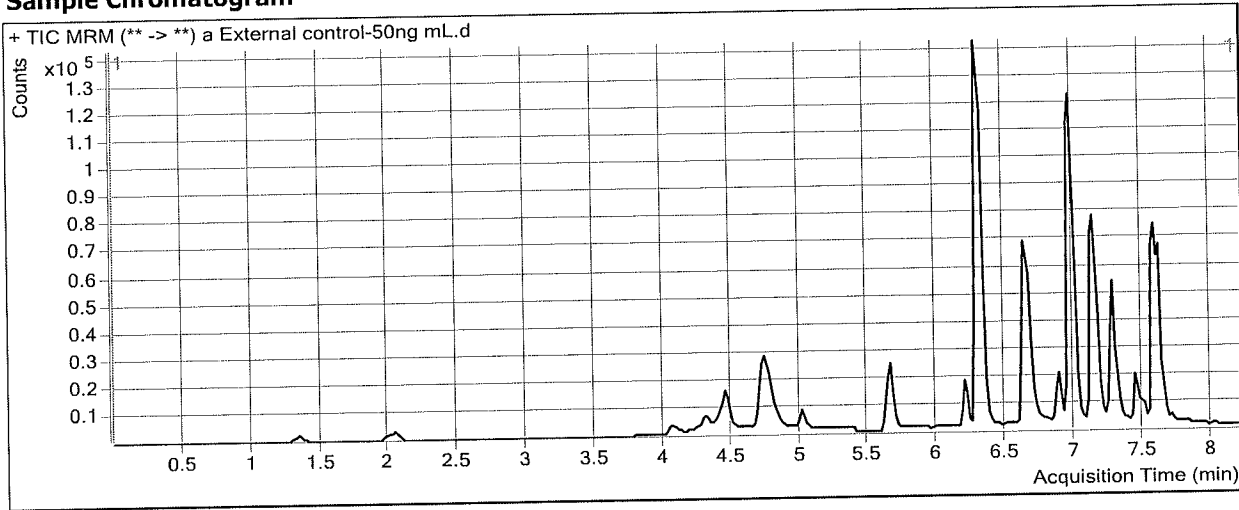
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2018 Data\02012018 mdq\QuantResults\02012018 mdq p1a.batch.bin
Analysis Time 2/2/2018 10:42 AM **Analyst Name** ISP Tox
Report Time 2/2/2018 10:45 AM **Reporter Name** ISP Tox
Last Calib Update 2/2/2018 10:41 AM **Batch State** Processed

Analysis Info

Acq Time 2018-02-01 15:20 **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	7148	1245	5.7416	52.3350
Dextromethorphan	Dextromethorphan-D3	7.288	9912	8245	1.2021	56.0519
Lorazepam	Alprazolam-D5	7.602	17513	118740	0.1475	52.0910

ISP FORENSICS - Cd'A Instrument # 62340

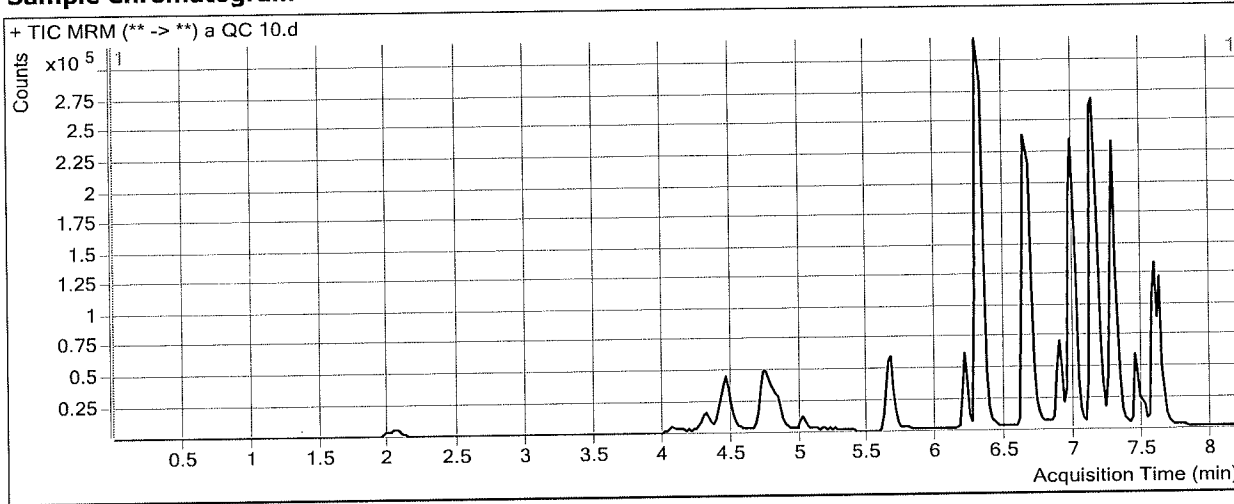
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2018 Data\02012018 mdq\QuantResults\02012018 mdq p1a.batch.bin
Analysis Time 2/2/2018 10:42 AM **Analyst Name** ISP Tox
Report Time 2/2/2018 10:45 AM **Reporter Name** ISP Tox
Last Calib Update 2/2/2018 10:41 AM **Batch State** Processed

Analysis Info

Acq Time 2018-02-01 15:45 **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

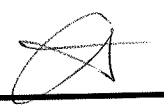
Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.348	1839	1686	1.0909	11.0041
Hydromorphone	Hydromorphone-D6	2.069	9440	28201	0.3347	10.4181
Codeine	Codeine-D6	4.134	4341	18023	0.2408	9.8095
Amphetamine	Amphetamine-D11	4.463	75003	64132	1.1695	11.9381
Oxycodone	Oxycodone-D6	4.509	22559	91328	0.2470	10.4290
Hydrocodone	Hydrocodone-D6	4.814	15854	86019	0.1843	9.7196
Norhydrocodone	Norhydrocodone-D3	4.838	1469	28975	0.0507	13.6143
Methamphetamine	Methamphetamine-D11	4.841	50948	154699	0.3293	9.7637
6-MAM	6-MAM-D6	5.028	802	32197	0.0249	1.1015
Phentermine	Phentermine-D5	5.706	13901	210674	0.0660	10.0225
Dextroprphan	Dextroprphan-D3	6.203	16096	135529	0.1188	9.7808
7-aminoclonazepam	7-Aminoclonazepam-D4	6.312	21294	89686	0.2374	9.8055
Tramadol	Tramadol-13C-D3	6.322	160561	786310	0.2042	9.7736
Doxylamine	Doxylamine-D5	6.662	133670	694220	0.1925	9.8076
Bupropion	Bupropion-D9	6.910	38148	178322	0.2139	10.2822
Meprobamate	Meprobamate-D7	6.992	7985	50927	0.1568	9.5066
Zolpidem	Zolpidem-D6	6.980	104129	535576	0.1944	9.6646
Venlafaxine	Venlafaxine-D6	7.125	145923	600097	0.2432	10.8062
Trazodone	Trazodone-D6	7.175	37725	165357	0.2281	10.1786
Citalopram	Citalopram-D6	7.257	41287	203278	0.2031	9.6437
Dextromethorphan	Dextromethorphan-D3	7.268	6785	32183	0.2108	10.4030
Diphenhydramine	Diphenhydramine-D3	7.291	59586	317322	0.1878	9.7431
Promethazine	Promethazine-D3	7.446	20223	114132	0.1772	9.7933

outside curve range

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

PI Qc 10

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.502	8976	13399	0.6699	10.9362
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.560	3820	16414	0.2327	11.1634
Carisoprodol	Carisoprodol-D7	7.572	27721	253955	0.1092	6.2033 Top cut off peak not evaluated 
Lorazepam	Alprazolam-D5	7.602	4187	164529	0.0255	11.2234
Alprazolam	Alprazolam-D5	7.626	42333	164529	0.2573	10.5187



ISP FORENSICS - Cd'A Instrument # 62340

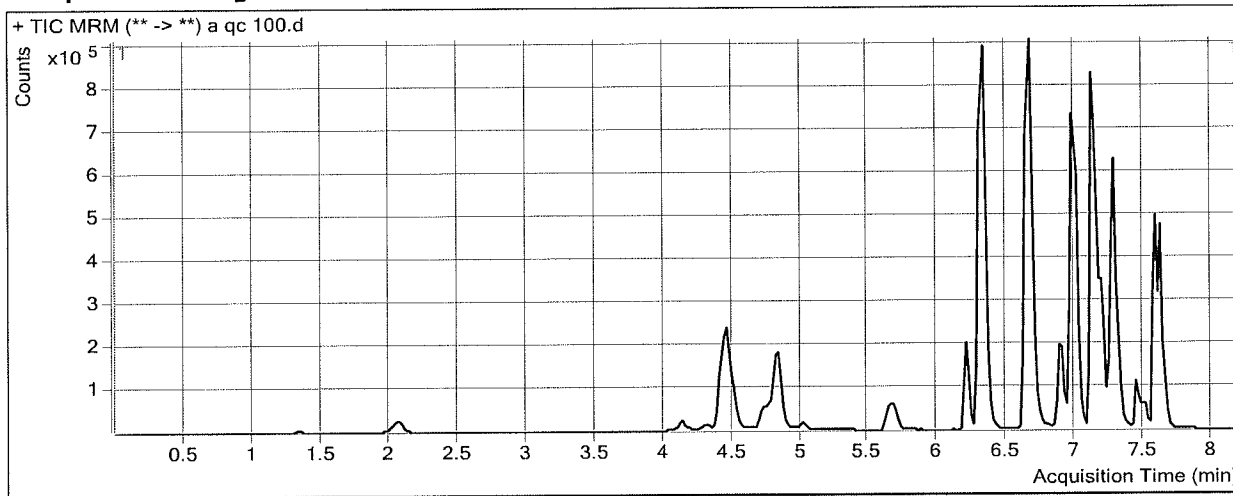
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2018 Data\02012018 mdq\QuantResults\02012018 mdq p1a.batch.bin
Analysis Time 2/2/2018 10:42 AM **Analyst Name** ISP Tox
Report Time 2/2/2018 10:45 AM **Reporter Name** ISP Tox
Last Calib Update 2/2/2018 10:41 AM **Batch State** Processed

Analysis Info

Acq Time 2018-02-01 18:55 **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	16855	1495	11.2709	101.4745
Hydromorphone	Hydromorphone-D6	2.069	87878	26185	3.3560	106.0109
Codeine	Codeine-D6	4.134	47286	17712	2.6697	98.6626
Amphetamine	Amphetamine-D11	4.463	614630	65350	9.4051	114.6407
Oxycodone	Oxycodone-D6	4.489	254298	93429	2.7218	109.5058
Hydrocodone	Hydrocodone-D6	4.794	188142	89750	2.0963	114.6303
Norhydrocodone	Norhydrocodone-D3	4.838	13280	28288	0.4695	97.9107
Methamphetamine	Methamphetamine-D11	4.841	420194	152748	2.7509	106.6579
6-MAM	6-MAM-D6	5.028	8021	31772	0.2525	9.7764
Phentermine	Phentermine-D5	5.706	146912	206334	0.7120	119.2455
Dextrorphan	Dextrorphan-D3	6.203	179801	133365	1.3482	104.5877
7-aminoclonazepam	7-Aminoclonazepam-D4	6.312	213991	87433	2.4475	110.3854
Tramadol	Tramadol-13C-D3	6.322	1647555	793272	2.0769	107.4374
Doxylamine	Doxylamine-D5	6.662	1463285	686580	2.1313	106.5117
Bupropion	Bupropion-D9	6.910	345552	160961	2.1468	98.6340
Meprobamate	Meprobamate-D7	7.012	90681	50185	1.8069	110.6429
Zolpidem	Zolpidem-D6	6.980	1150917	536508	2.1452	113.1268
Venlafaxine	Venlafaxine-D6	7.125	1419113	590457	2.4034	111.1973
Trazodone	Trazodone-D6	7.175	417877	170067	2.4571	104.0657
Citalopram	Citalopram-D6	7.257	400142	171506	2.3331	107.4896
Dextromethorphan	Dextromethorphan-D3	7.268	66502	27405	2.4266	112.4384
Diphenhydramine	Diphenhydramine-D3	7.291	605834	294470	2.0574	102.9712
Promethazine	Promethazine-D3	7.446	148847	76626	1.9425	107.8071

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

PI a QC 100

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.502	75566	10888	6.9402	100.7473
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.560	36829	14872	2.4765	103.8105
Carisoprodol	Carisoprodol-D7	7.592	460990	229008	2.0130	112.5224
Lorazepam	Alprazolam-D5	7.602	39383	152365	0.2585	89.2588
Alprazolam	Alprazolam-D5	7.626	403721	152365	2.6497	103.2517



ISP FORENSICS - Cd'A Instrument # 62340

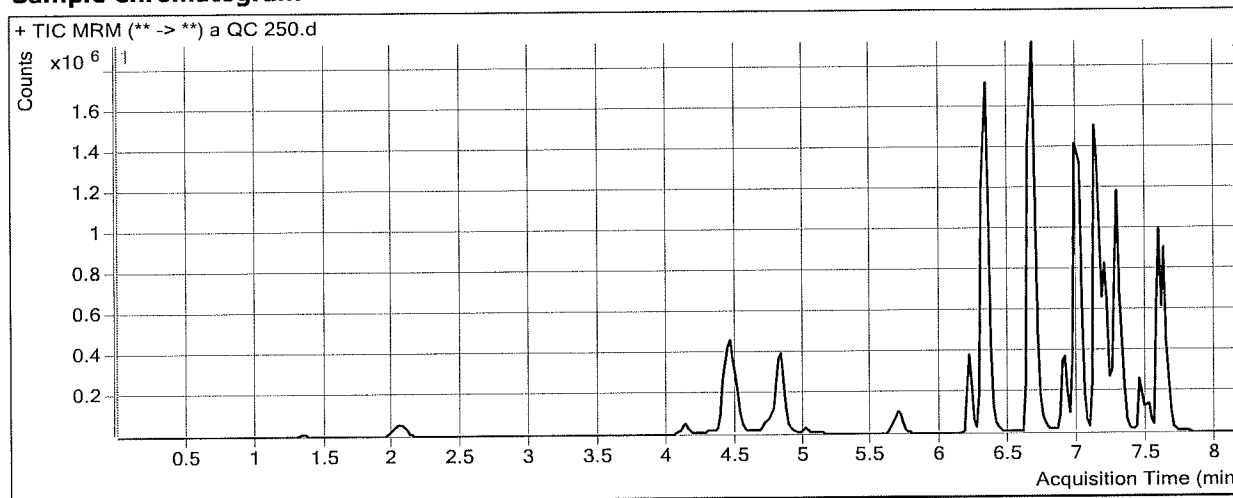
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2018 Data\02012018 mdq\QuantResults\02012018 mdq p1a.batch.bin
Analysis Time 2/2/2018 10:42 AM **Analyst Name** ISP Tox
Report Time 2/2/2018 10:45 AM **Reporter Name** ISP Tox
Last Calib Update 2/2/2018 10:41 AM **Batch State** Processed

Analysis Info

Acq Time 2018-02-01 19:33 **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	45699	1697	26.9310	240.6451
Hydromorphone	Hydromorphone-D6	2.069	242671	29208	8.3085	262.7050
Codeine	Codeine-D6	4.134	111392	17507	6.3626	233.7545
Amphetamine	Amphetamine-D11	4.463	1253405	61186	20.4852	252.8144
Oxycodone	Oxycodone-D6	4.489	635637	95589	6.6497	266.7531
Hydrocodone	Hydrocodone-D6	4.794	427182	90321	4.7296	259.1205
Norhydrocodone	Norhydrocodone-D3	4.838	33366	27583	1.2097	246.9177
Methamphetamine	Methamphetamine-D11	4.841	947018	137684	6.8782	271.8033
6-MAM	6-MAM-D6	5.028	19448	32453	0.5993	22.9991
Phentermine	Phentermine-D5	5.706	324794	199289	1.6298	274.4087
Dextroprphan	Dextroprphan-D3	6.203	413954	125159	3.3074	255.6750
7-aminoclonazepam	7-Aminoclonazepam-D4	6.312	475967	80676	5.8997	267.4962
Tramadol	Tramadol-13C-D3	6.322	3872816	790572	4.8988	254.5993
Doxylamine	Doxylamine-D5	6.662	3479208	716164	4.8581	242.5282
Bupropion	Bupropion-D9	6.910	775084	150632	5.1456	235.7065
Meprobamate	Meprobamate-D7	7.012	230206	49286	4.6708	286.1671
Zolpidem	Zolpidem-D6	6.980	2707713	537510	5.0375	266.5246
Venlafaxine	Venlafaxine-D6	7.125	3145296	594926	5.2869	245.1975
Trazodone	Trazodone-D6	7.175	1147032	186976	6.1347	258.9663
Citalopram	Citalopram-D6	7.257	870432	171504	5.0753	233.4572
Dextromethorphan	Dextromethorphan-D3	7.268	149697	29827	5.0189	231.8115
Diphenhydramine	Diphenhydramine-D3	7.291	1359895	279809	4.8601	242.7291
Promethazine	Promethazine-D3	7.446	432967	91754	4.7188	261.9525

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

PI a QC 250

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.502	210555	11767	17.8938	257.6392
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.560	85469	14735	5.8006	241.0677
Carisoprodol	Carisoprodol-D7	7.592	880384	222370	3.9591	221.2028
Lorazepam	Alprazolam-D5	7.602	83137	134784	0.6168	209.2571
Alprazolam	Alprazolam-D5	7.626	877724	134784	6.5121	252.9645



ISP FORENSICS - Cd'A Instrument # 62340

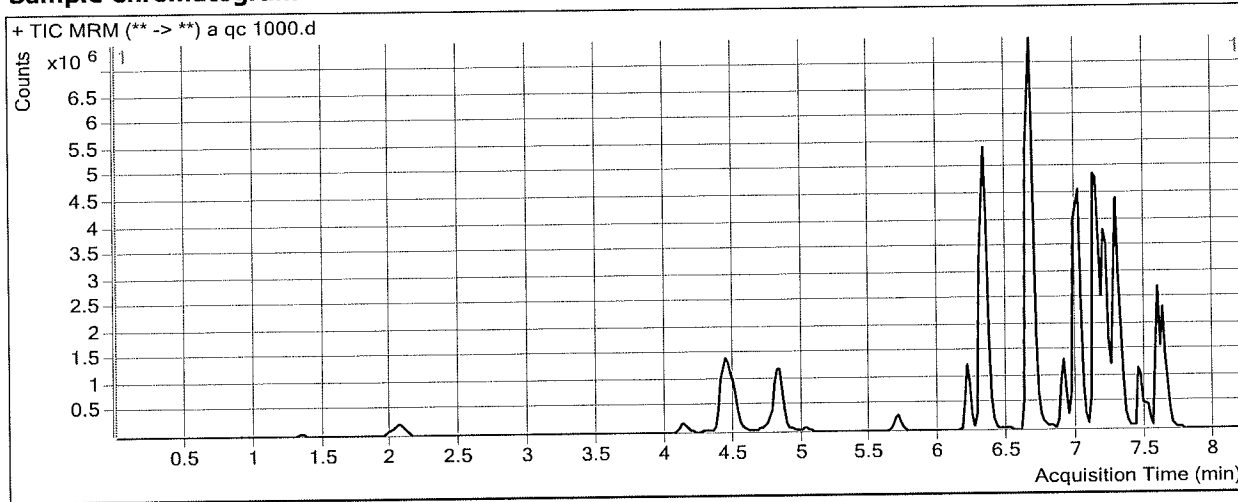
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2018 Data\02012018 mdq\QuantResults\02012018 mdq p1a.batch.bin
Analysis Time 2/2/2018 10:42 AM **Analyst Name** ISP Tox
Report Time 2/2/2018 10:45 AM **Reporter Name** ISP Tox
Last Calib Update 2/2/2018 10:41 AM **Batch State** Processed

Analysis Info

Acq Time 2018-02-01 19:59 **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	177979	1606	110.8374	986.3219
Hydromorphone	Hydromorphone-D6	2.069	969906	29606	32.7604	1036.3605
Codeine	Codeine-D6	4.134	403687	14426	27.9830	1024.6609
Amphetamine	Amphetamine-D11	4.443	3927865	57108	68.7800	855.0767
Oxycodone	Oxycodone-D6	4.489	2566026	104859	24.4713	980.2218
Hydrocodone	Hydrocodone-D6	4.794	1589644	90581	17.5495	962.5473
Norhydrocodone	Norhydrocodone-D3	4.838	115245	21456	5.3712	1084.6649
Methamphetamine	Methamphetamine-D11	4.841	3012622	136552	22.0620	879.3564
6-MAM	6-MAM-D6	5.028	81841	31984	2.5588	97.7050
Phentermine	Phentermine-D5	5.706	1092635	187979	5.8125	981.5809
Dextroprphan	Dextroprphan-D3	6.203	1469338	117087	12.5491	968.3463
7-aminoclonazepam	7-Aminoclonazepam-D4	6.312	1444258	70718	20.4228	928.4425
Tramadol	Tramadol-13C-D3	6.322	14326109	746718	19.1854	999.6635
Doxylamine	Doxylamine-D5	6.662	14301303	764081	18.7170	933.8153
Bupropion	Bupropion-D9	6.910	2837799	132537	21.4113	979.2108
Meprobamate	Meprobamate-D7	7.012	815705	43990	18.5428	1136.3803
Zolpidem	Zolpidem-D6	7.000	9555310	518819	18.4174	976.1482
Venlafaxine	Venlafaxine-D6	7.125	12388359	594420	20.8411	968.0330
Trazodone	Trazodone-D6	7.195	6289729	249588	25.2005	1062.0357
Citalopram	Citalopram-D6	7.257	3872796	177623	21.8035	1001.8991
Dextromethorphan	Dextromethorphan-D3	7.268	723427	32588	22.1994	1022.9593
Diphenhydramine	Diphenhydramine-D3	7.291	6008075	309015	19.4427	969.8960
Promethazine	Promethazine-D3	7.446	2475760	133472	18.5489	1029.8295

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

Pla QC1000

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.502	645821	9522	67.8263	972.8389
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.560	316912	7315	43.3245	1790.4787
Carisoprodol	Carisoprodol-D7	7.592	2571153	165023	15.5806	870.2031
Lorazepam	Alprazolam-D5	7.602	304659	95936	3.1757	1066.1545
Alprazolam	Alprazolam-D5	7.626	2482453	95936	25.8763	1003.5505



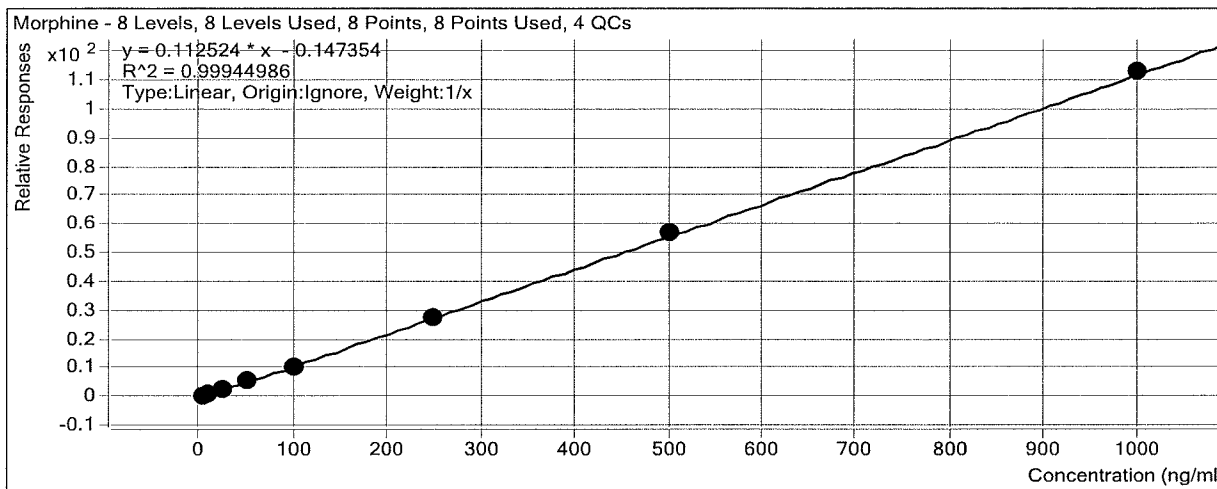
ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\02012018 mdq\QuantResults\02012018 mdq p1a.batch.bin

Last Calib Update 2/2/2018 10:41 AM **Analyst Name** ISP TOX

Target Compound *Morphine*

Internal Standard *Morphine-D6*



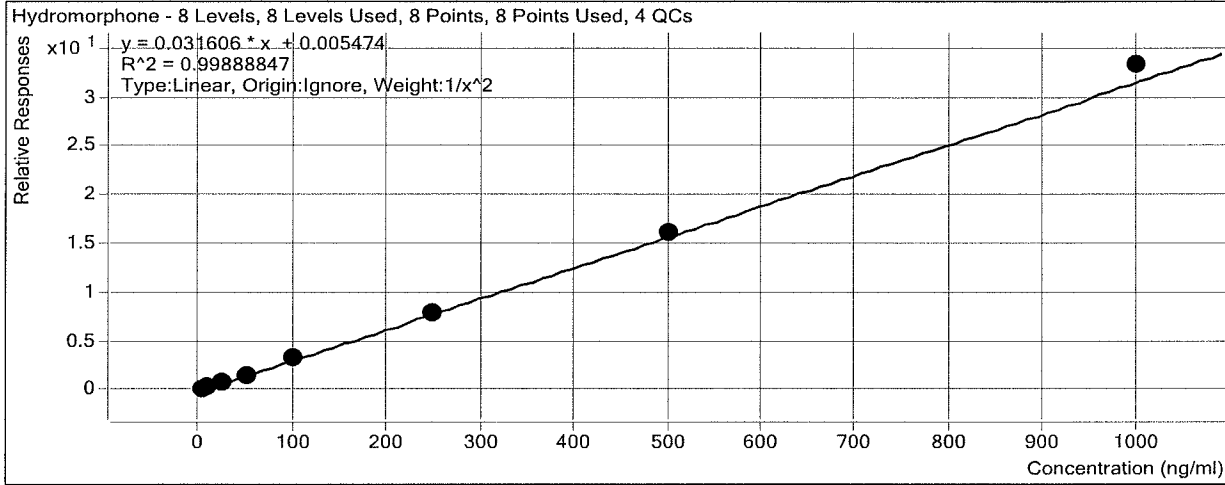
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.8	115.6
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	96.7
a QC 10	2	<input checked="" type="checkbox"/>	10	11.0	110.0
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.0	96.0
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.8	97.6
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	94.6	94.6
a qc 100	5	<input checked="" type="checkbox"/>	100	101.5	101.5
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	242.3	96.9
a QC 250	6	<input checked="" type="checkbox"/>	250	240.6	96.3
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	510.8	102.2
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1004.0	100.4
a qc 1000	8	<input checked="" type="checkbox"/>	1000	986.3	98.6

ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\02012018 mdq\QuantResults\02012018 mdq p1a.batch.bin

Last Calib Update 2/2/2018 10:41 AM **Analyst Name** ISP TOX

Target Compound Hydromorphone
Internal Standard Hydromorphone-D6



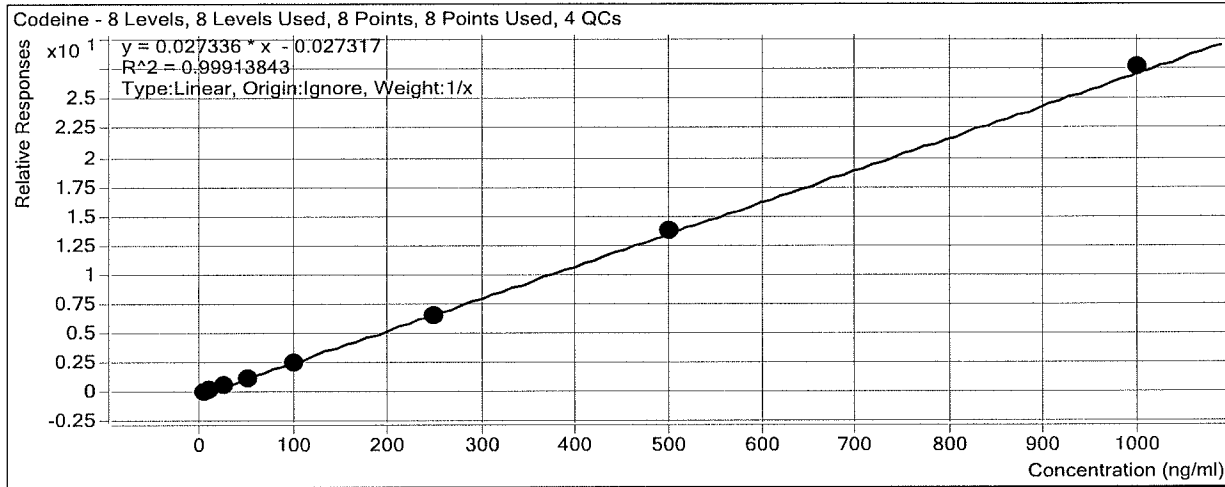
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	101.7
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	98.7
a QC 10	2	<input checked="" type="checkbox"/>	10	10.4	104.2
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.1	96.3
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.3	96.7
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.2	100.2
a qc 100	5	<input checked="" type="checkbox"/>	100	106.0	106.0
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	248.7	99.5
a QC 250	6	<input checked="" type="checkbox"/>	250	262.7	105.1
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	508.9	101.8
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1051.3	105.1
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1036.4	103.6

ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\02012018 mdq\QuantResults\02012018 mdq p1a.batch.bin

Last Calib Update 2/2/2018 10:41 AM **Analyst Name** ISP TOX

Target Compound Codeine
Internal Standard Codeine-D6



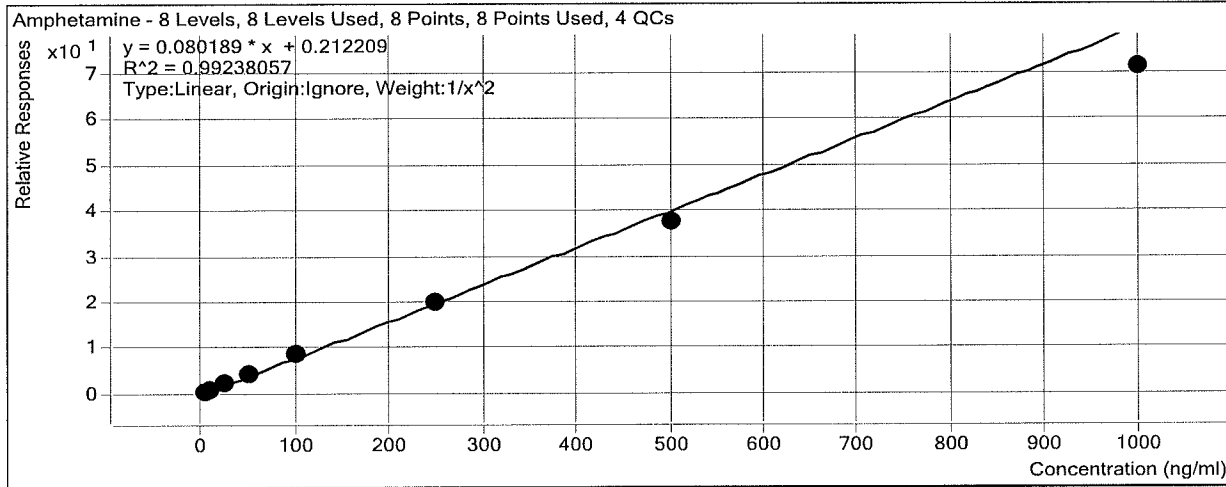
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.5	110.9
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.8	108.1
a QC 10	2	<input checked="" type="checkbox"/>	10	9.8	98.1
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.0	95.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.0	91.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	95.0	95.0
a qc 100	5	<input checked="" type="checkbox"/>	100	98.7	98.7
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	238.6	95.5
a QC 250	6	<input checked="" type="checkbox"/>	250	233.8	93.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	506.7	101.3
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1013.4	101.3
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1024.7	102.5

ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\02012018 mdq\QuantResults\02012018 mdq p1a.batch.bin

Last Calib Update 2/2/2018 10:41 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	4.7	94.0
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.8	108.2
a QC 10	2	<input checked="" type="checkbox"/>	10	11.9	119.4
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.6	106.4
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.0	104.0
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	107.9	107.9
a qc 100	5	<input checked="" type="checkbox"/>	100	114.6	114.6
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	244.6	97.9
a QC 250	6	<input checked="" type="checkbox"/>	250	252.8	101.1
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	465.5	93.1
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	885.9	88.6
a qc 1000	8	<input checked="" type="checkbox"/>	1000	855.1	85.5

ISP Forensics Calibration Curve Report

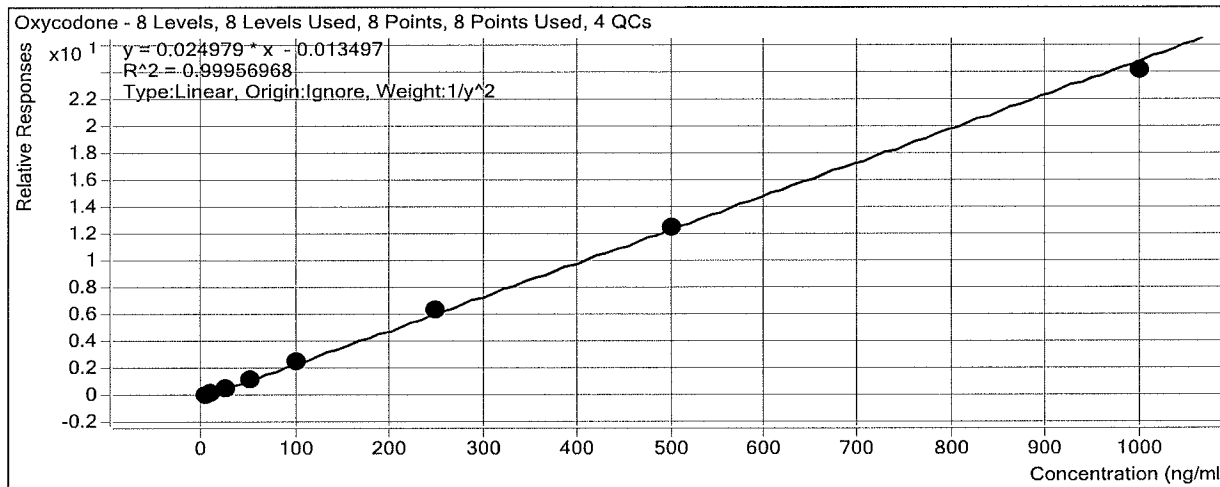
Batch Data Path D:\2018 Data\02012018 mdq\QuantResults\02012018 mdq p1a.batch.bin

Last Calib Update 2/2/2018 10:41 AM

Analyst Name ISP TOX

Target Compound Oxycodone

Internal Standard Oxycodone-D6



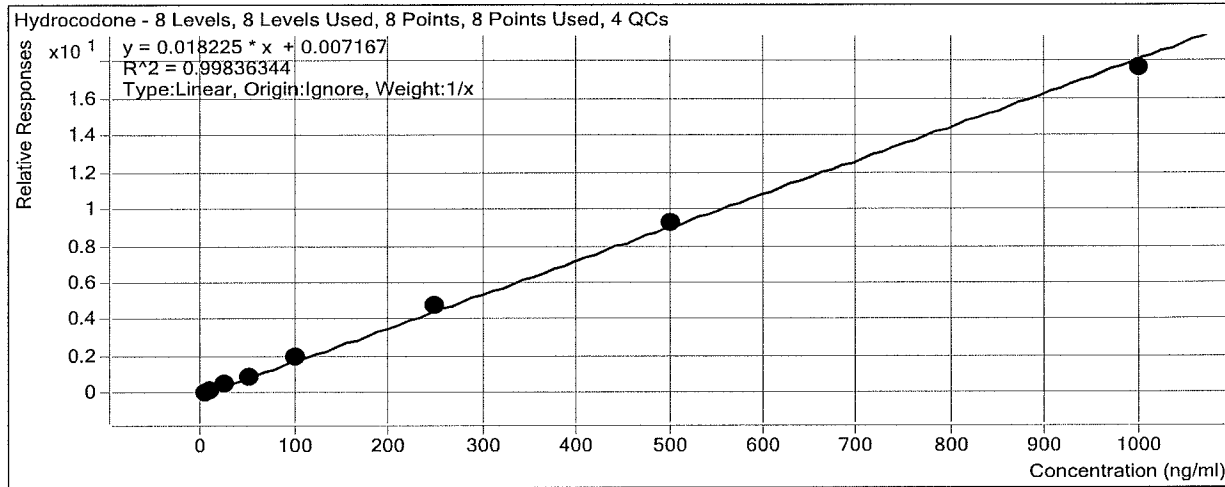
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.1
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	99.1
a QC 10	2	<input checked="" type="checkbox"/>	10	10.4	104.3
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.1	100.4
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.1	102.2
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.0	101.0
a qc 100	5	<input checked="" type="checkbox"/>	100	109.5	109.5
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	254.0	101.6
a QC 250	6	<input checked="" type="checkbox"/>	250	266.8	106.7
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	498.6	99.7
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	964.0	96.4
a qc 1000	8	<input checked="" type="checkbox"/>	1000	980.2	98.0

ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\02012018 mdq\QuantResults\02012018 mdq p1a.batch.bin

Last Calib Update 2/2/2018 10:41 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	4.2	84.0
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	97.8
a QC 10	2	<input checked="" type="checkbox"/>	10	9.7	97.2
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.0	104.1
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.6	101.2
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	109.7	109.7
a qc 100	5	<input checked="" type="checkbox"/>	100	114.6	114.6
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	260.4	104.2
a QC 250	6	<input checked="" type="checkbox"/>	250	259.1	103.6
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	512.0	102.4
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	967.4	96.7
a qc 1000	8	<input checked="" type="checkbox"/>	1000	962.5	96.3

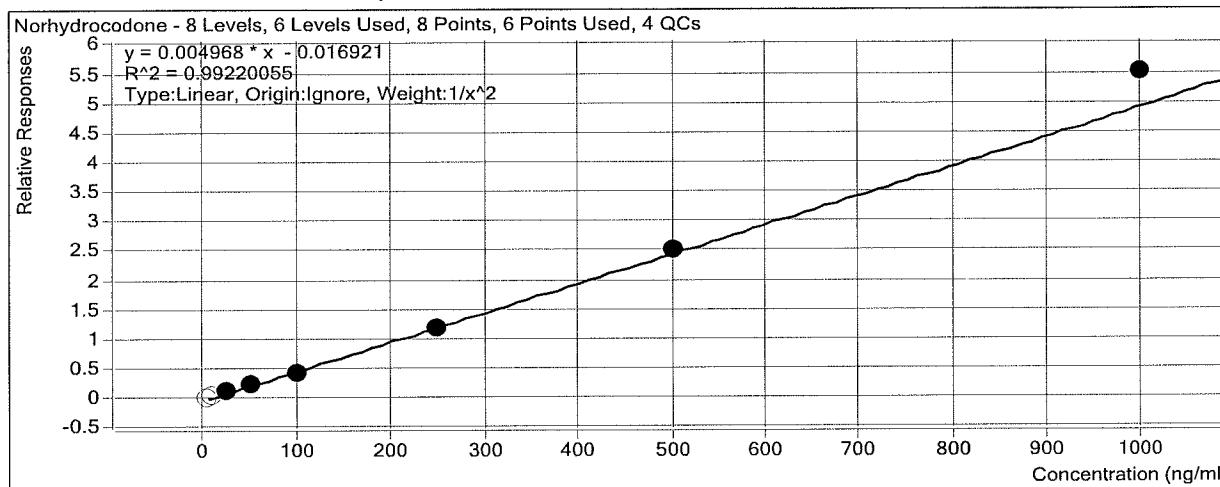
ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\02012018 mdq\QuantResults\02012018 mdq p1a.batch.bin

Last Calib Update 2/2/2018 10:41 AM **Analyst Name** ISP TOX

Target Compound *Norhydrocodone*

Internal Standard *Norhydrocodone-D3*



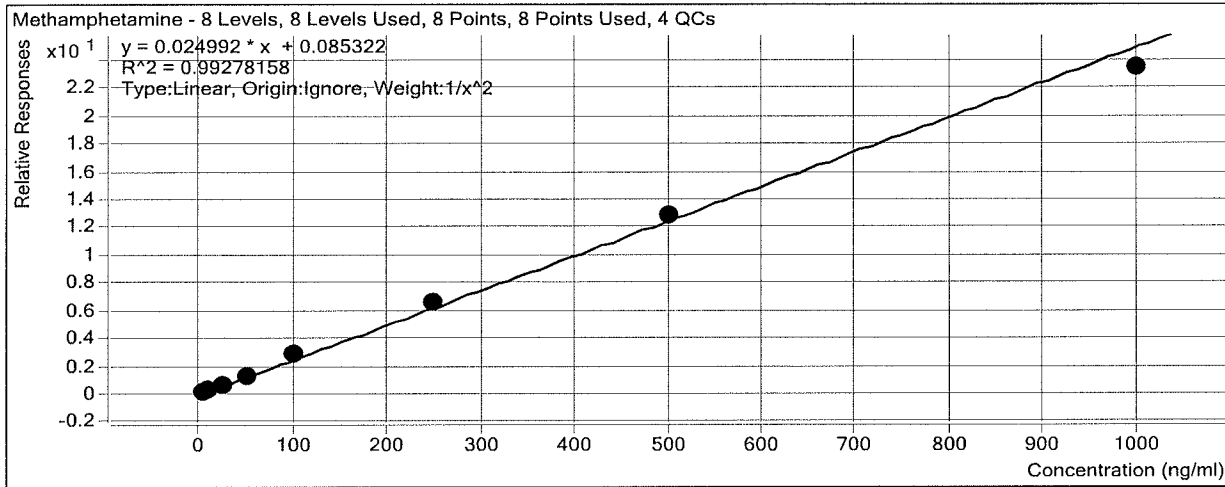
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input type="checkbox"/>	5	8.3	165.5
a cal 2-10ng	2	<input type="checkbox"/>	10	11.0	109.8
a QC 10	2	<input type="checkbox"/>	10	13.6	136.1
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.1	104.4
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.6	95.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	92.1	92.1
a qc 100	5	<input checked="" type="checkbox"/>	100	97.9	97.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	239.0	95.6
a QC 250	6	<input checked="" type="checkbox"/>	250	246.9	98.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	507.0	101.4
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1112.2	111.2
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1084.7	108.5

ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\02012018 mdq\QuantResults\02012018 mdq p1a.batch.bin

Last Calib Update 2/2/2018 10:41 AM **Analyst Name** ISP TOX

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



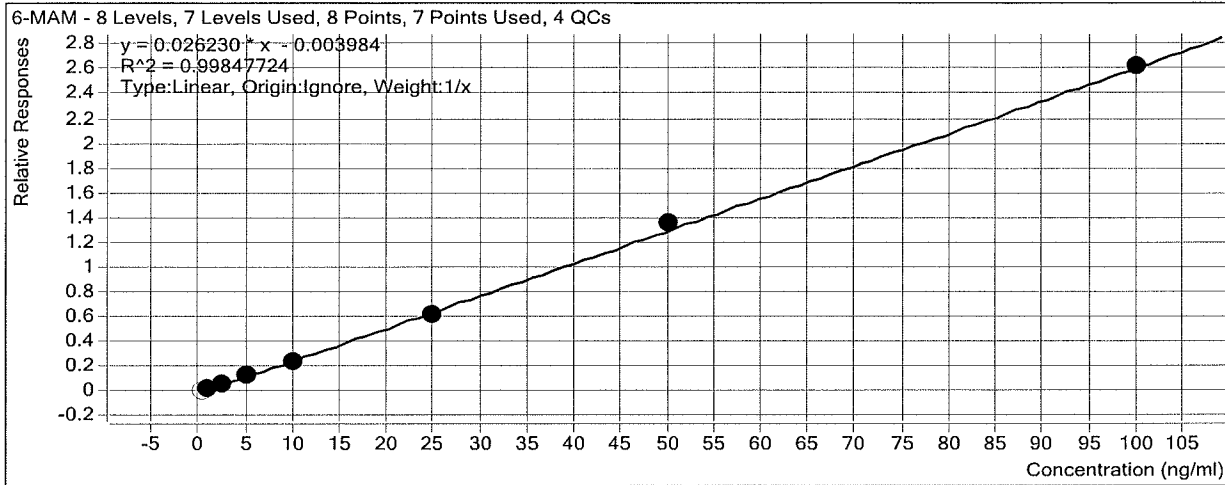
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.3	106.5
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	8.7	87.3
a QC 10	2	<input checked="" type="checkbox"/>	10	9.8	97.6
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.4	97.4
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.9	97.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	109.9	109.9
a qc 100	5	<input checked="" type="checkbox"/>	100	106.7	106.7
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	261.2	104.5
a QC 250	6	<input checked="" type="checkbox"/>	250	271.8	108.7
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	515.1	103.0
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	935.1	93.5
a qc 1000	8	<input checked="" type="checkbox"/>	1000	879.4	87.9

ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\02012018 mdq\QuantResults\02012018 mdq p1a.batch.bin

Last Calib Update 2/2/2018 10:41 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 type="checkbox"/>	0.5	0.6	125.9
a cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.1	113.4
a QC 10	2	<input checked="" type="checkbox"/>	1	1.1	110.1
a cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.3	93.7
a cal 4-50ng	4	<input checked="" type="checkbox"/>	5	5.0	100.6
a cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.4	94.2
a qc 100	5	<input checked="" type="checkbox"/>	10	9.8	97.8
a cal 6-250ng	6	<input checked="" type="checkbox"/>	25	23.4	93.8
a QC 250	6	<input checked="" type="checkbox"/>	25	23.0	92.0
a cal 7-500ng	7	<input checked="" type="checkbox"/>	50	52.2	104.4
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	99.9	99.9
a qc 1000	8	<input checked="" type="checkbox"/>	100	97.7	97.7

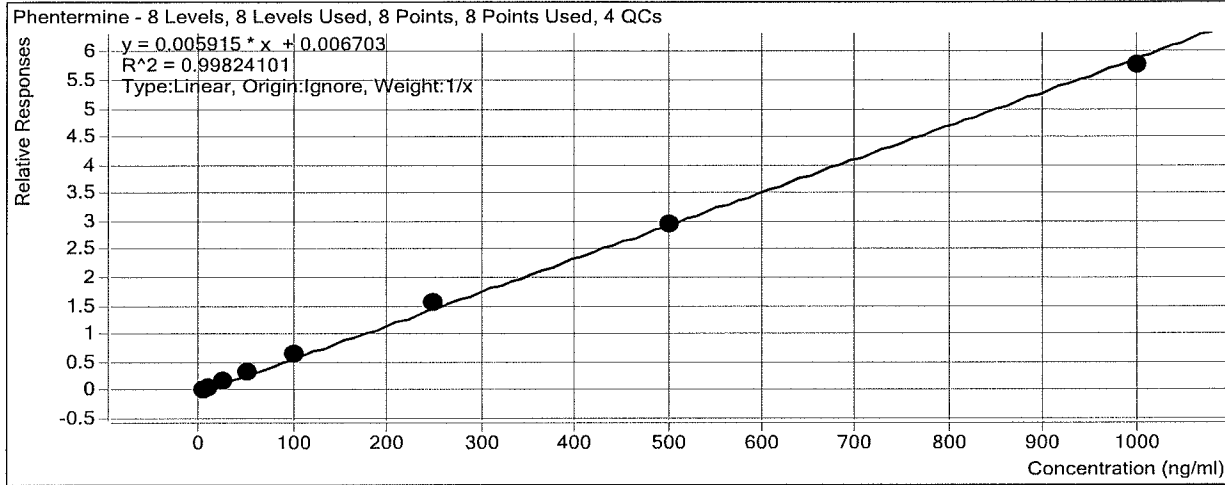
ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\02012018 mdq\QuantResults\02012018 mdq p1a.batch.bin

Last Calib Update 2/2/2018 10:41 AM **Analyst Name** ISP TOX

Target Compound *Phentermine*

Internal Standard *Phentermine-D5*



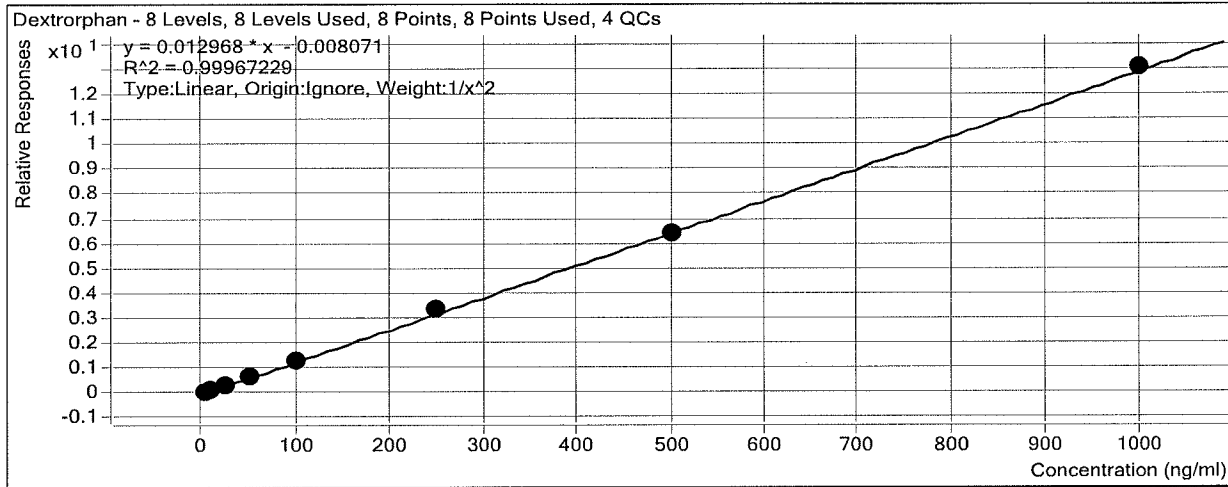
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.0	79.0
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.2	91.8
a QC 10	2	<input checked="" type="checkbox"/>	10	10.0	100.2
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	28.2	112.7
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.7	105.4
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	107.6	107.6
a qc 100	5	<input checked="" type="checkbox"/>	100	119.2	119.2
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	265.6	106.2
a QC 250	6	<input checked="" type="checkbox"/>	250	274.4	109.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	499.9	100.0
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	972.9	97.3
a qc 1000	8	<input checked="" type="checkbox"/>	1000	981.6	98.2

ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\02012018 mdq\QuantResults\02012018 mdq p1a.batch.bin

Last Calib Update 2/2/2018 10:41 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	5.0	101.0
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	98.4
a QC 10	2	<input checked="" type="checkbox"/>	10	9.8	97.8
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.8	99.3
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.7	99.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.6	99.6
a qc 100	5	<input checked="" type="checkbox"/>	100	104.6	104.6
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	258.0	103.2
a QC 250	6	<input checked="" type="checkbox"/>	250	255.7	102.3
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	492.5	98.5
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1006.7	100.7
a qc 1000	8	<input checked="" type="checkbox"/>	1000	968.3	96.8

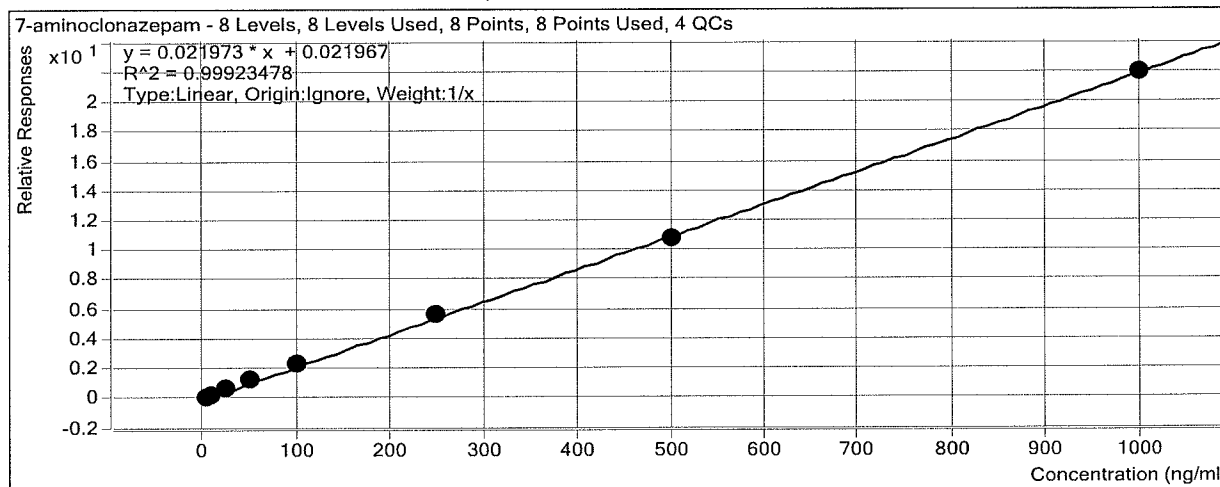
ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\02012018 mdq\QuantResults\02012018 mdq p1a.batch.bin

Last Calib Update 2/2/2018 10:41 AM **Analyst Name** ISP TOX

Target Compound 7-aminoclonazepam

Internal Standard 7-Aminoclonazepam-D4



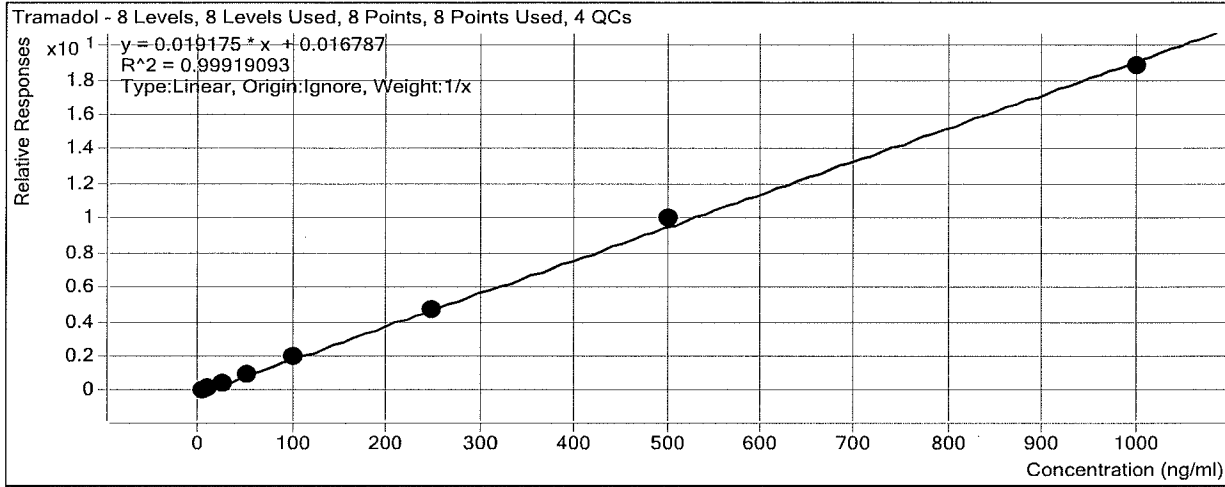
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.2	84.6
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	97.9
a QC 10	2	<input checked="" type="checkbox"/>	10	9.8	98.1
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.8	103.2
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	54.2	108.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	106.6	106.6
a qc 100	5	<input checked="" type="checkbox"/>	100	110.4	110.4
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	255.4	102.1
a QC 250	6	<input checked="" type="checkbox"/>	250	267.5	107.0
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	487.8	97.6
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	996.3	99.6
a qc 1000	8	<input checked="" type="checkbox"/>	1000	928.4	92.8

ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\02012018 mdq\QuantResults\02012018 mdq p1a.batch.bin

Last Calib Update 2/2/2018 10:41 AM **Analyst Name** ISP TOX

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



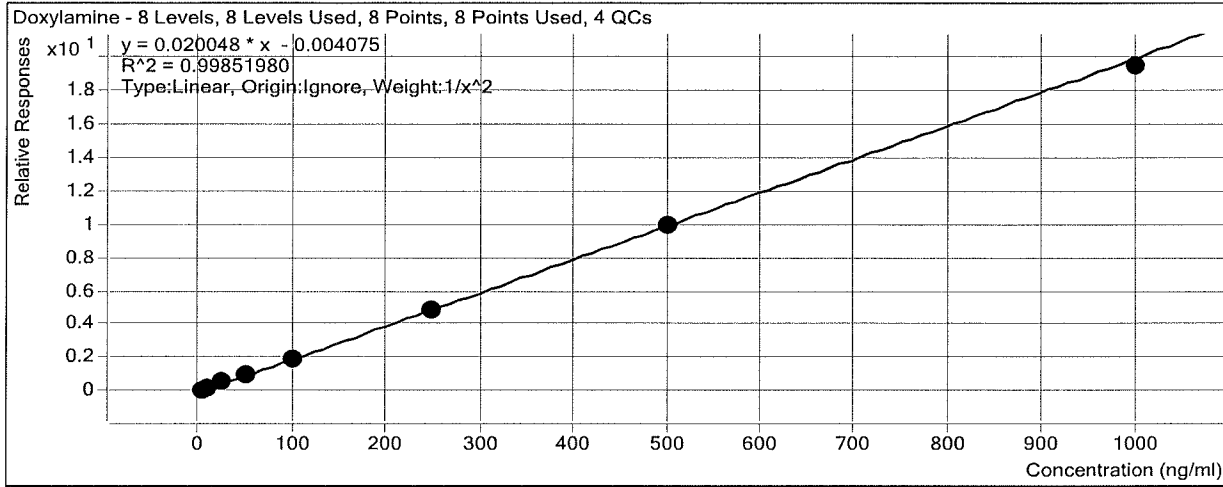
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.7	94.2
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	97.3
a QC 10	2	<input checked="" type="checkbox"/>	10	9.8	97.7
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.5	102.0
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.3	102.7
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.4	103.4
a qc 100	5	<input checked="" type="checkbox"/>	100	107.4	107.4
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	246.4	98.6
a QC 250	6	<input checked="" type="checkbox"/>	250	254.6	101.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	519.6	103.9
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	979.3	97.9
a qc 1000	8	<input checked="" type="checkbox"/>	1000	999.7	100.0

ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\02012018 mdq\QuantResults\02012018 mdq p1a.batch.bin

Last Calib Update 2/2/2018 10:41 AM **Analyst Name** ISP TOX

Target Compound Doxylamine
Internal Standard Doxylamine-D5



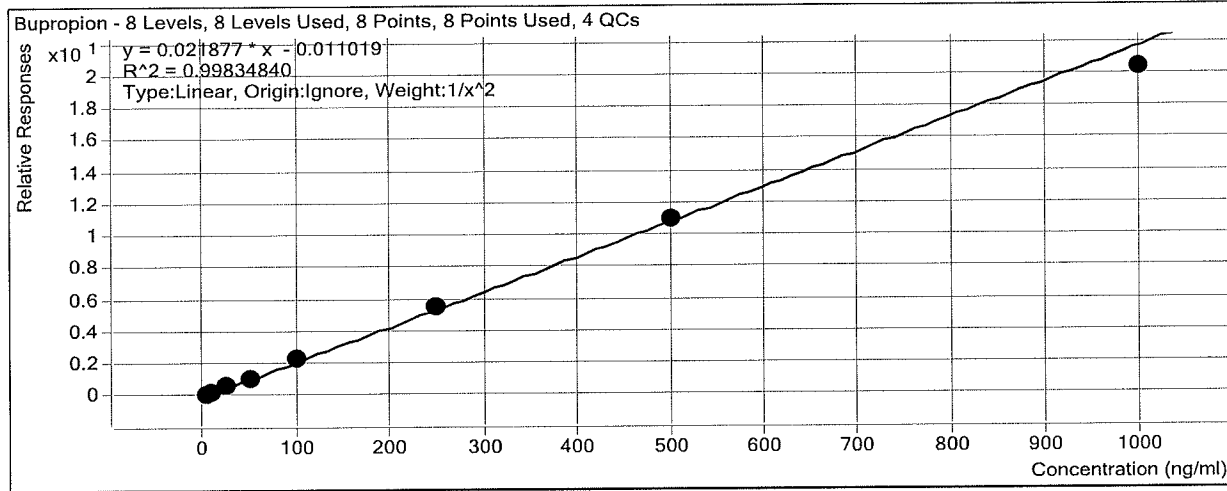
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	99.6
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	97.7
a QC 10	2	<input checked="" type="checkbox"/>	10	9.8	98.1
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.6	106.2
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.9	103.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.7	98.7
a qc 100	5	<input checked="" type="checkbox"/>	100	106.5	106.5
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	243.0	97.2
a QC 250	6	<input checked="" type="checkbox"/>	250	242.5	97.0
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	499.0	99.8
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	968.7	96.9
a qc 1000	8	<input checked="" type="checkbox"/>	1000	933.8	93.4

ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\02012018 mdq\QuantResults\02012018 mdq p1a.batch.bin

Last Calib Update 2/2/2018 10:41 AM **Analyst Name** ISP TOX

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



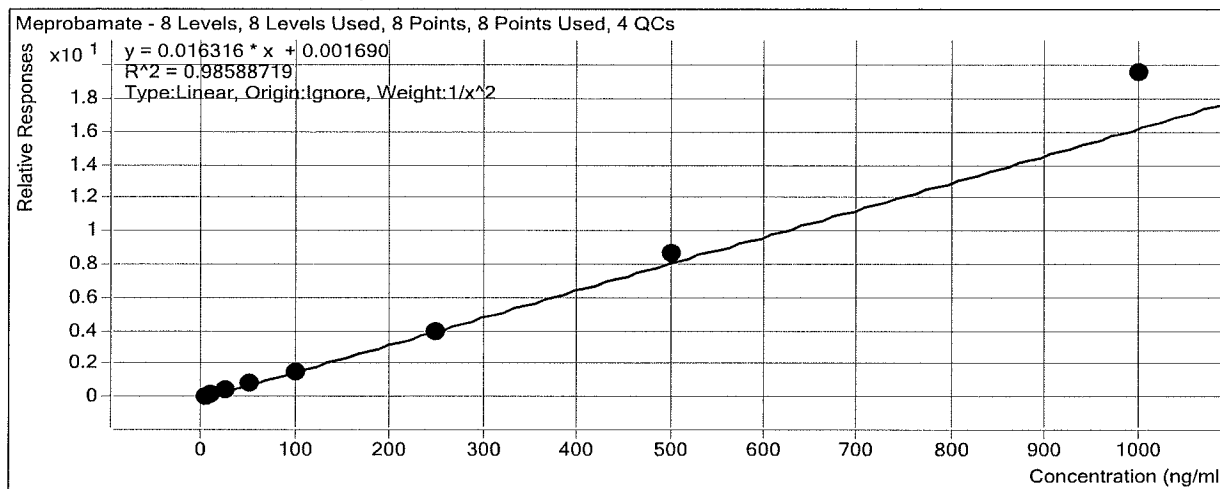
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.6
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	97.6
a QC 10	2	<input checked="" type="checkbox"/>	10	10.3	102.8
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.4	101.7
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.9	99.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	105.4	105.4
a qc 100	5	<input checked="" type="checkbox"/>	100	98.6	98.6
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	254.0	101.6
a QC 250	6	<input checked="" type="checkbox"/>	250	235.7	94.3
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	500.5	100.1
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	931.6	93.2
a qc 1000	8	<input checked="" type="checkbox"/>	1000	979.2	97.9

ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\02012018 mdq\QuantResults\02012018 mdq p1a.batch.bin

Last Calib Update 2/2/2018 10:41 AM **Analyst Name** ISP TOX

Target Compound Meprobamate
Internal Standard Meprobamate-D7



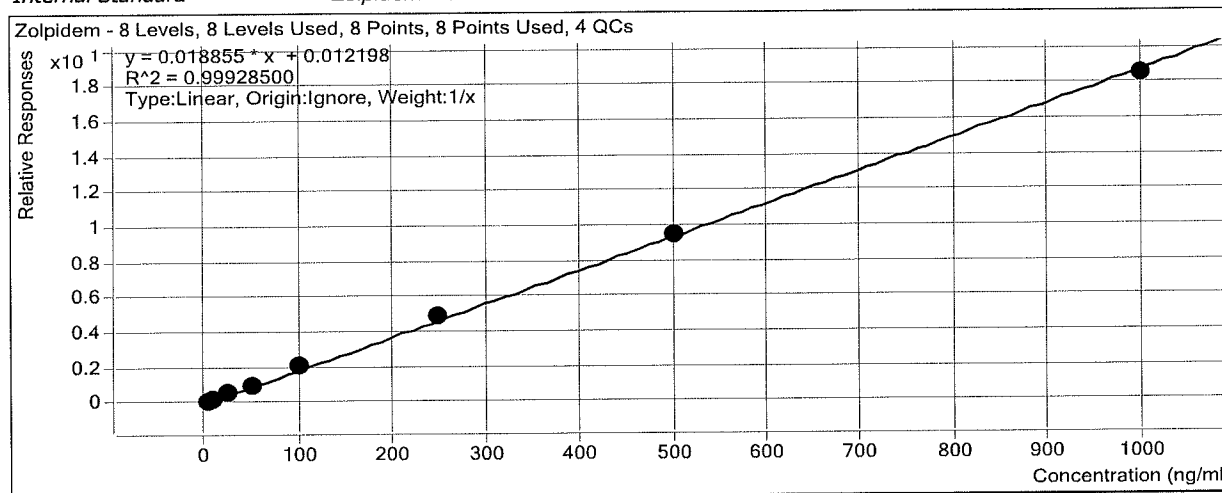
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.3	106.7
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.1	91.0
a QC 10	2	<input checked="" type="checkbox"/>	10	9.5	95.1
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.9	91.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.5	99.0
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	89.9	89.9
a qc 100	5	<input checked="" type="checkbox"/>	100	110.6	110.6
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	238.9	95.6
a QC 250	6	<input checked="" type="checkbox"/>	250	286.2	114.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	531.7	106.3
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1198.9	119.9
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1136.4	113.6

ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\02012018 mdq\QuantResults\02012018 mdq p1a.batch.bin

Last Calib Update 2/2/2018 10:41 AM **Analyst Name** ISP TOX

Target Compound Zolpidem
Internal Standard Zolpidem-D6



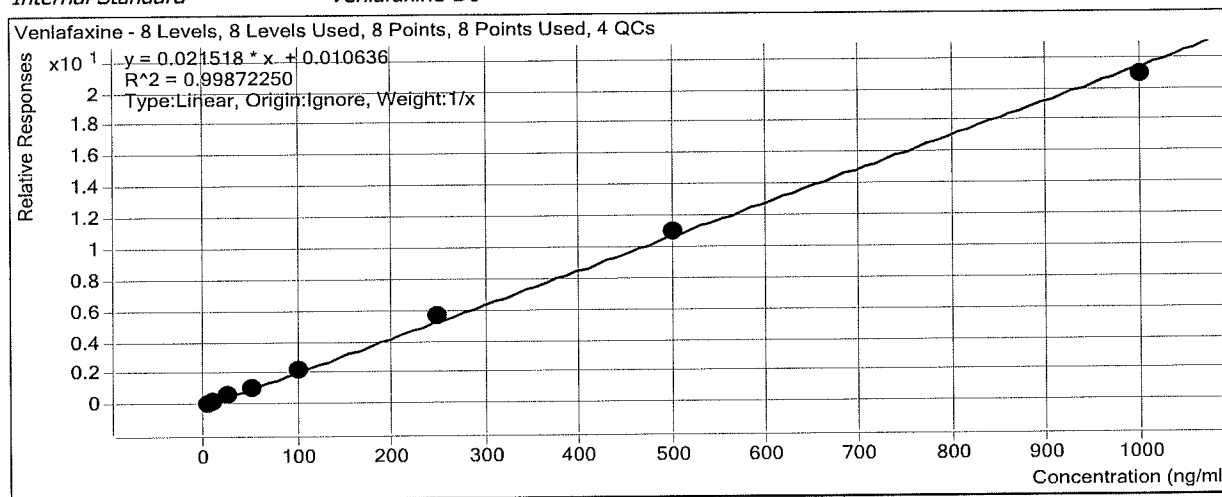
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.4	87.5
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	95.5
a QC 10	2	<input checked="" type="checkbox"/>	10	9.7	96.6
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.2	104.7
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.0	104.1
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	106.5	106.5
a qc 100	5	<input checked="" type="checkbox"/>	100	113.1	113.1
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	256.8	102.7
a QC 250	6	<input checked="" type="checkbox"/>	250	266.5	106.6
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	504.1	100.8
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	980.4	98.0
a qc 1000	8	<input checked="" type="checkbox"/>	1000	976.1	97.6

ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\02012018 mdq\QuantResults\02012018 mdq p1a.batch.bin

Last Calib Update 2/2/2018 10:41 AM **Analyst Name** ISP TOX

Target Compound Venlafaxine
Internal Standard Venlafaxine-D6



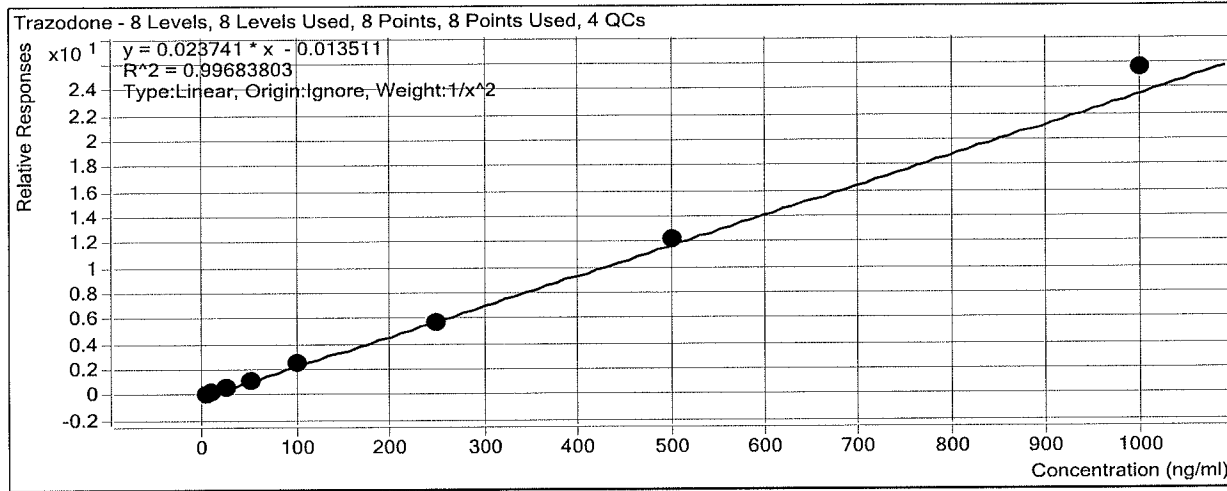
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.5	90.5
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	97.0
a QC 10	2	<input checked="" type="checkbox"/>	10	10.8	108.1
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.9	103.4
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.5	99.1
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	105.4	105.4
a qc 100	5	<input checked="" type="checkbox"/>	100	111.2	111.2
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	263.1	105.3
a QC 250	6	<input checked="" type="checkbox"/>	250	245.2	98.1
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	511.9	102.4
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	969.9	97.0
a qc 1000	8	<input checked="" type="checkbox"/>	1000	968.0	96.8

ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\02012018 mdq\QuantResults\02012018 mdq p1a.batch.bin

Last Calib Update 2/2/2018 10:41 AM **Analyst Name** ISP TOX

Target Compound Trazodone
Internal Standard Trazodone-D6



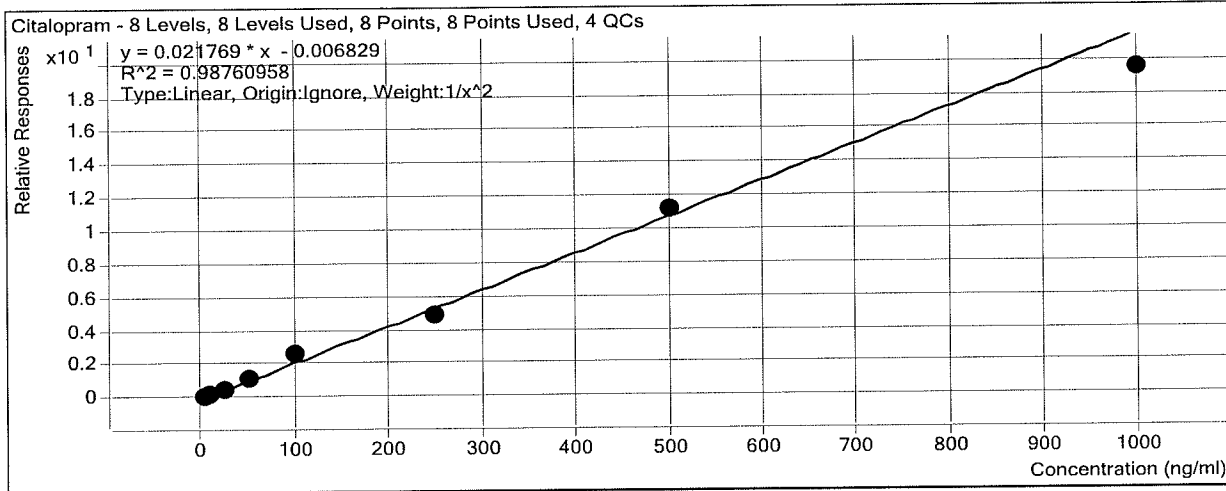
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.9
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	96.3
a QC 10	2	<input checked="" type="checkbox"/>	10	10.2	101.8
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.3	97.4
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.7	93.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.7	102.7
a qc 100	5	<input checked="" type="checkbox"/>	100	104.1	104.1
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	240.5	96.2
a QC 250	6	<input checked="" type="checkbox"/>	250	259.0	103.6
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	517.4	103.5
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1077.4	107.7
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1062.0	106.2

ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\02012018 mdq\QuantResults\02012018 mdq p1a.batch.bin

Last Calib Update 2/2/2018 10:41 AM **Analyst Name** ISP TOX

Target Compound Citalopram
Internal Standard Citalopram-D6



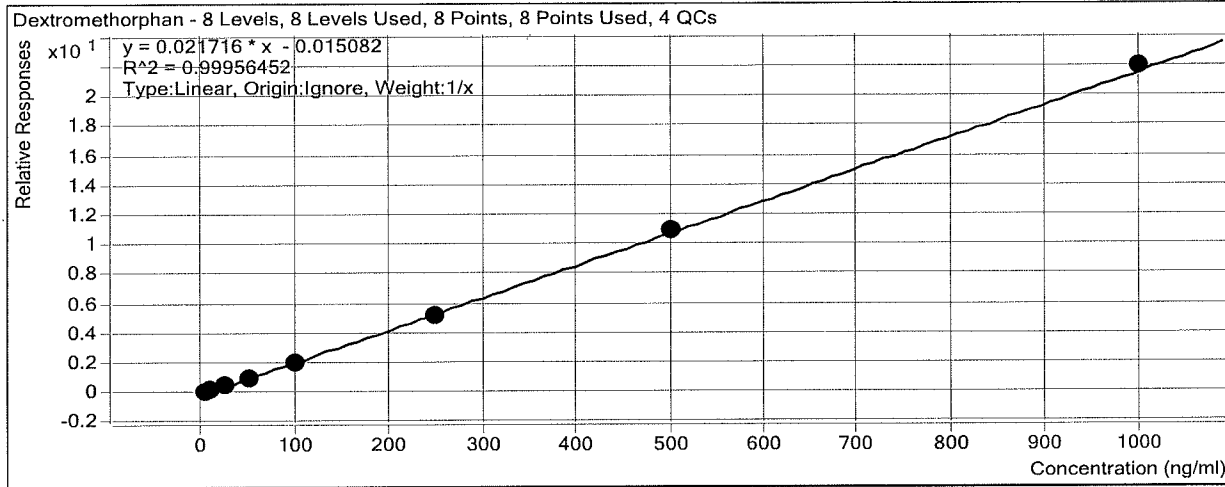
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.9	97.2
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.6	106.1
a QC 10	2	<input checked="" type="checkbox"/>	10	9.6	96.4
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.7	94.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.7	101.4
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	119.0	119.0
a qc 100	5	<input checked="" type="checkbox"/>	100	107.5	107.5
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	223.8	89.5
a QC 250	6	<input checked="" type="checkbox"/>	250	233.5	93.4
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	513.0	102.6
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	896.1	89.6
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1001.9	100.2

ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\02012018 mdq\QuantResults\02012018 mdq p1a.batch.bin

Last Calib Update 2/2/2018 10:41 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	5.6	111.6
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.3	103.0
a QC 10	2	<input checked="" type="checkbox"/>	10	10.4	104.0
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.8	95.4
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.5	95.0
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	96.5	96.5
a qc 100	5	<input checked="" type="checkbox"/>	100	112.4	112.4
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	242.1	96.8
a QC 250	6	<input checked="" type="checkbox"/>	250	231.8	92.7
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	502.7	100.5
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1011.5	101.1
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1023.0	102.3

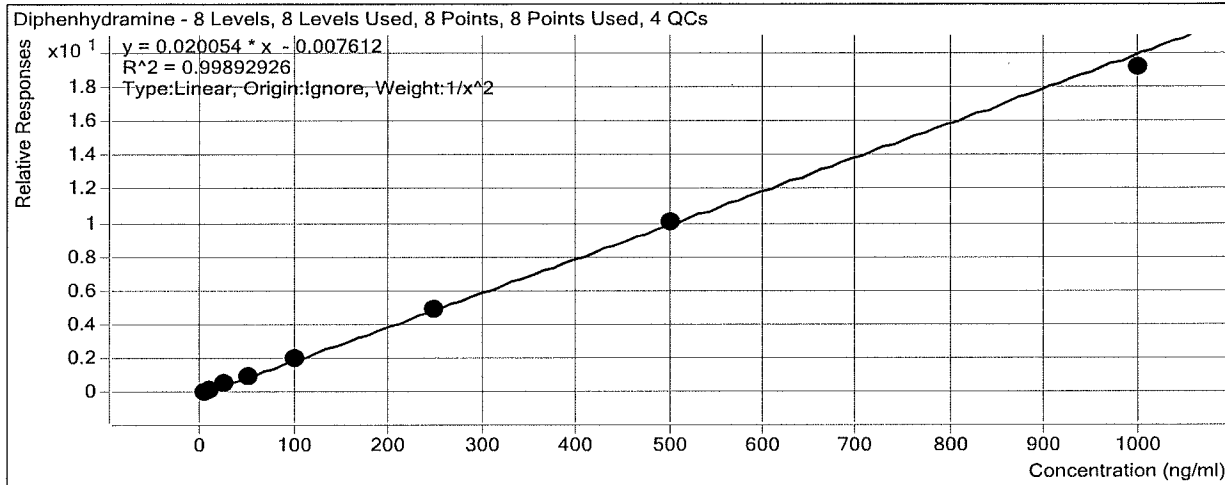
ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\02012018 mdq\QuantResults\02012018 mdq p1a.batch.bin

Last Calib Update 2/2/2018 10:41 AM **Analyst Name** ISP TOX

Target Compound Diphenhydramine

Internal Standard Diphenhydramine-D3



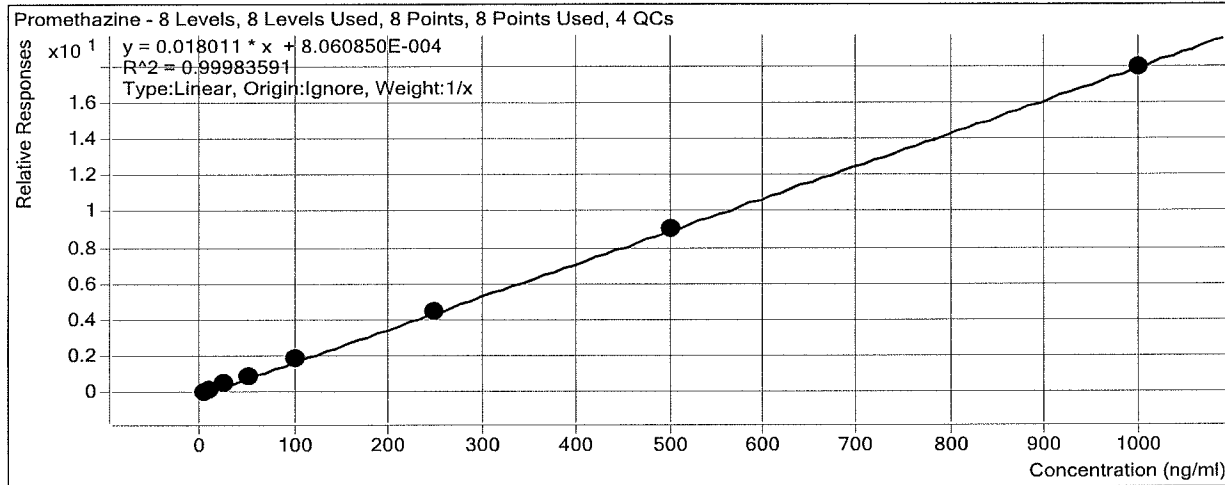
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	99.2
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	99.3
a QC 10	2	<input checked="" type="checkbox"/>	10	9.7	97.4
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.3	105.4
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.8	101.7
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.0	100.0
a qc 100	5	<input checked="" type="checkbox"/>	100	103.0	103.0
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	245.7	98.3
a QC 250	6	<input checked="" type="checkbox"/>	250	242.7	97.1
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	504.0	100.8
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	954.9	95.5
a qc 1000	8	<input checked="" type="checkbox"/>	1000	969.9	97.0

ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\02012018 mdq\QuantResults\02012018 mdq p1a.batch.bin

Last Calib Update 2/2/2018 10:41 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	5.0	101.0
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.1	90.8
a QC 10	2	<input checked="" type="checkbox"/>	10	9.8	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	50.4	100.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.0	102.0
a qc 100	5	<input checked="" type="checkbox"/>	100	107.8	107.8
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	247.8	99.1
a QC 250	6	<input checked="" type="checkbox"/>	250	262.0	104.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	504.0	100.8
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	995.2	99.5
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1029.8	103.0

ISP Forensics Calibration Curve Report

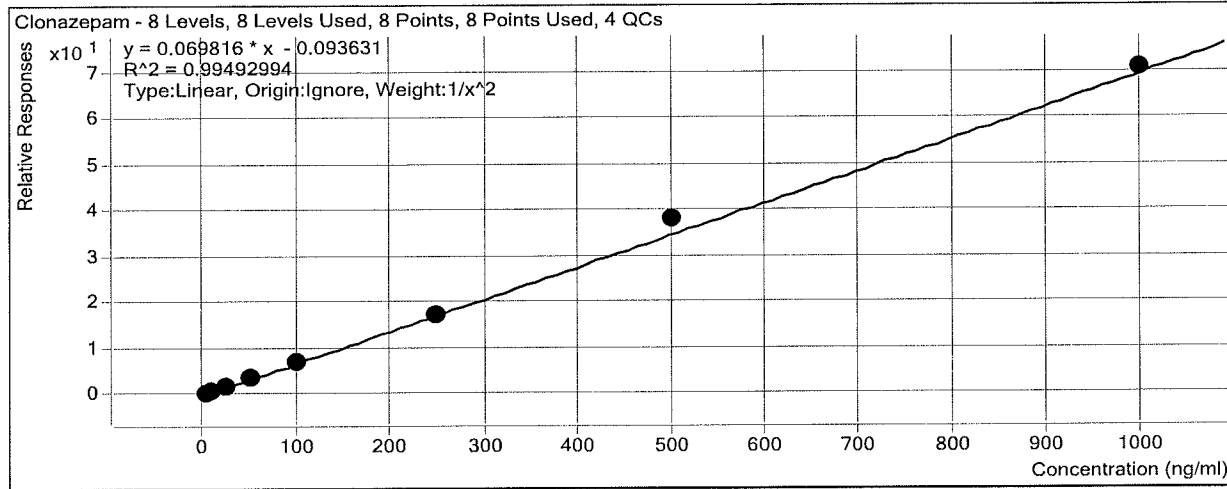
Batch Data Path D:\2018 Data\02012018 mdq\QuantResults\02012018 mdq p1a.batch.bin

Last Calib Update 2/2/2018 10:41 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	100.4
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.4	104.0
a QC 10	2	<input checked="" type="checkbox"/>	10	10.9	109.4
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.0	87.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.0	100.0
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.9	97.9
a qc 100	5	<input checked="" type="checkbox"/>	100	100.7	100.7
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	246.5	98.6
a QC 250	6	<input checked="" type="checkbox"/>	250	257.6	103.1
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	549.6	109.9
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1012.2	101.2
a qc 1000	8	<input checked="" type="checkbox"/>	1000	972.8	97.3

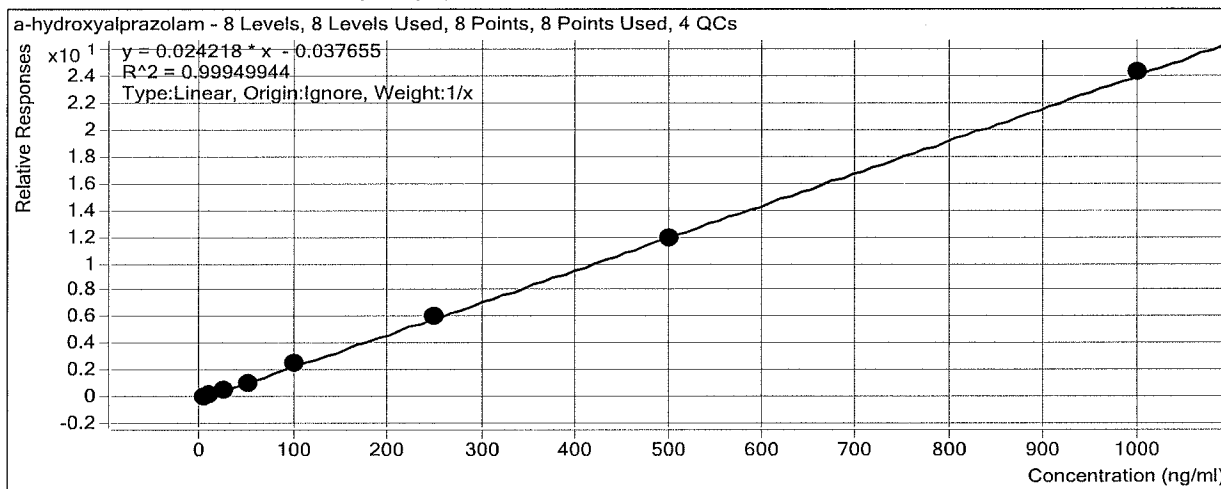
ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\02012018 mdq\QuantResults\02012018 mdq p1a.batch.bin

Last Calib Update 2/2/2018 10:41 AM **Analyst Name** ISP TOX

Target Compound *a-hydroxyalprazolam*

Internal Standard *a-hydroxyalprazolam-D5*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.3	106.0
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	100.2
a QC 10	2	<input checked="" type="checkbox"/>	10	11.2	111.6
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.1	96.3
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.0	91.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	106.1	106.1
a qc 100	5	<input checked="" type="checkbox"/>	100	103.8	103.8
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	251.5	100.6
a QC 250	6	<input checked="" type="checkbox"/>	250	241.1	96.4
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	492.7	98.5
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1004.4	100.4
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1790.5	179.0

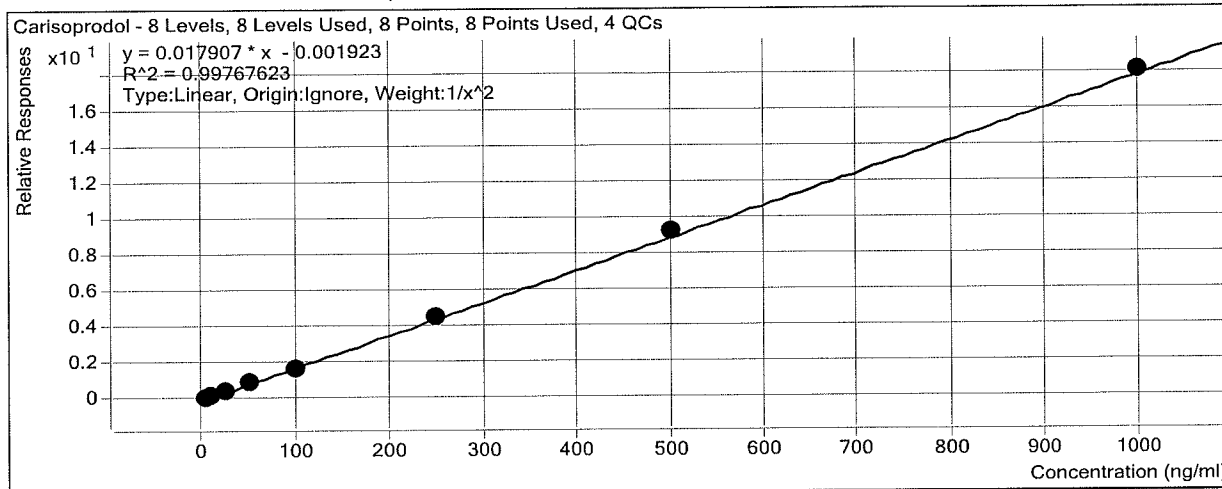
ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\02012018 mdq\QuantResults\02012018 mdq p1a.batch.bin

Last Calib Update 2/2/2018 10:41 AM **Analyst Name** ISP TOX

Target Compound Carisoprodol

Internal Standard Carisoprodol-D7



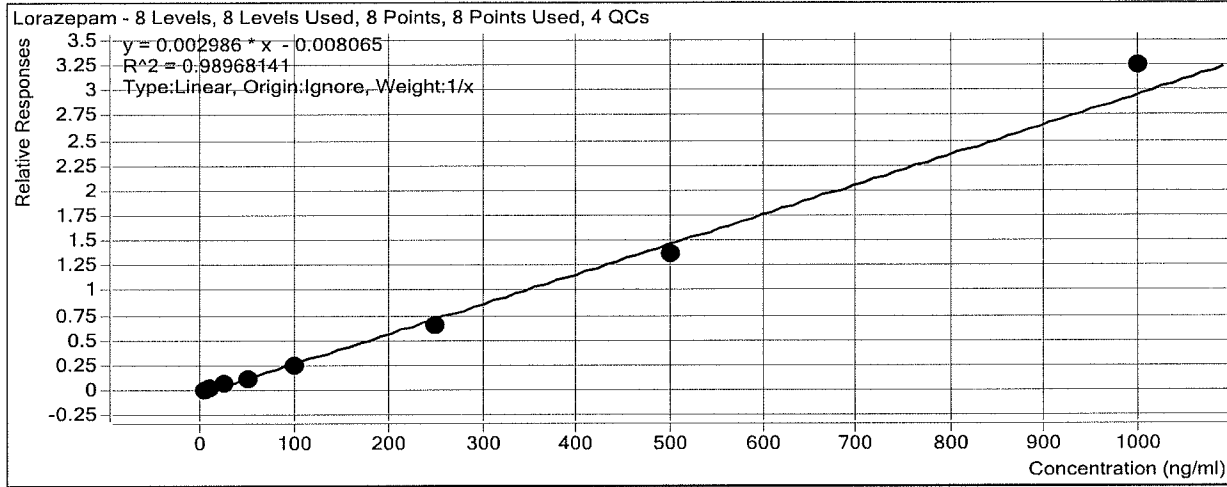
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.1
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.5	94.9
a QC 10	2	<input checked="" type="checkbox"/>	10	6.2	62.0
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.5	101.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.2	104.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	92.6	92.6
a qc 100	5	<input checked="" type="checkbox"/>	100	112.5	112.5
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	249.1	99.6
a QC 250	6	<input checked="" type="checkbox"/>	250	221.2	88.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	519.6	103.9
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1006.9	100.7
a qc 1000	8	<input checked="" type="checkbox"/>	1000	870.2	87.0

ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\02012018 mdq\QuantResults\02012018 mdq p1a.batch.bin

Last Calib Update 2/2/2018 10:41 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	6.6	132.6
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	11.4	114.4
a QC 10	2	<input checked="" type="checkbox"/>	10	11.2	112.2
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.4	93.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	42.7	85.4
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	83.7	83.7
a qc 100	5	<input checked="" type="checkbox"/>	100	89.3	89.3
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	223.3	89.3
a QC 250	6	<input checked="" type="checkbox"/>	250	209.3	83.7
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	460.0	92.0
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1088.7	108.9
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1066.2	106.6

ISP Forensics Calibration Curve Report

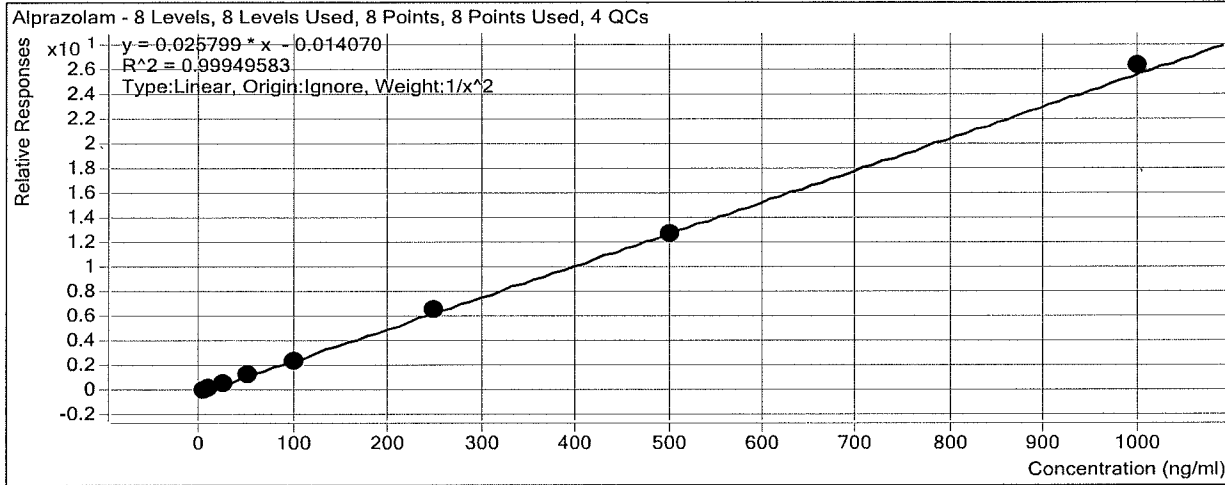
Batch Data Path D:\2018 Data\02012018 mdq\QuantResults\02012018 mdq p1a.batch.bin

Last Calib Update 2/2/2018 10:41 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	5.0	99.1
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.2	101.6
a QC 10	2	<input checked="" type="checkbox"/>	10	10.5	105.2
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.5	101.8
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.1	98.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	96.9	96.9
a qc 100	5	<input checked="" type="checkbox"/>	100	103.3	103.3
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	253.3	101.3
a QC 250	6	<input checked="" type="checkbox"/>	250	253.0	101.2
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	494.4	98.9
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1020.9	102.1
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1003.6	100.4

ISP FORENSICS - Cd'A Instrument # 62340

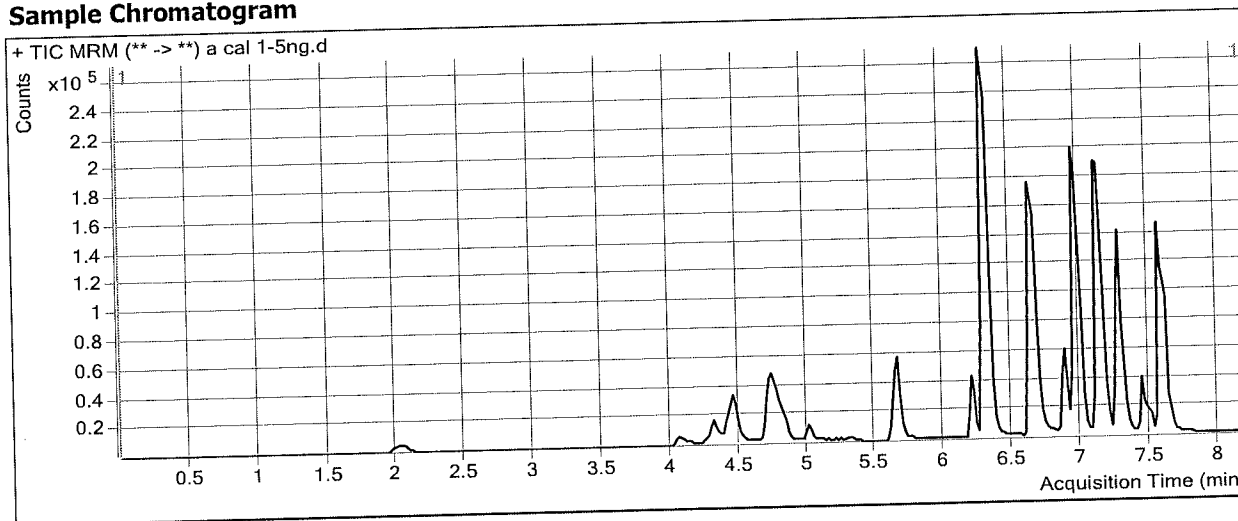
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2018 Data\02012018 mdq\QuantResults\02012018 mdq p1a.batch.bin	Analyst Name	ISP Tox
Analysis Time	2/2/2018 10:42 AM	Reporter Name	ISP Tox
Report Time	2/2/2018 10:45 AM	Batch State	Processed
Last Calib Update	2/2/2018 10:41 AM		

Analysis Info

Acq Time	2018-02-01 11:18	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	940	1869	0.5029	5.7787
Hydromorphone	Hydromorphone-D6	2.069	5158	31045	0.1661	5.0833
Codeine	Codeine-D6	4.154	2401	19312	0.1243	5.5473
Amphetamine	Amphetamine-D11	4.463	35982	61084	0.5891	4.6994
Oxycodone	Oxycodone-D6	4.509	10457	93722	0.1116	5.0073
Hydrocodone	Hydrocodone-D6	4.814	7626	91147	0.0837	4.1976
Norhydrocodone	Norhydrocodone-D3	4.838	684	28299	0.0242	8.2743
Methamphetamine	Methamphetamine-D11	4.841	31139	142581	0.2184	5.3246
6-MAM	6-MAM-D6	5.028	417	33319	0.0125	0.6294
Phentermine	Phentermine-D5	5.706	5869	195110	0.0301	3.9523
Dextrorphan	Dextrorphan-D3	6.203	6392	111394	0.0574	5.0477
7-aminoclonazepam	7-Aminoclonazepam-D4	6.312	9636	83826	0.1149	4.2316
Tramadol	Tramadol-13C-D3	6.322	76066	710124	0.1071	4.7108
Doxylamine	Doxylamine-D5	6.662	54979	573837	0.0958	4.9823
Bupropion	Bupropion-D9	6.910	17032	171995	0.0990	5.0302
Meprobamate	Meprobamate-D7	7.012	5781	65138	0.0888	5.3362
Zolpidem	Zolpidem-D6	6.980	48122	508056	0.0947	4.3765
Venlafaxine	Venlafaxine-D6	7.125	52459	485809	0.1080	4.5239
Trazodone	Trazodone-D6	7.175	9000	82836	0.1087	5.1456
Citalopram	Citalopram-D6	7.257	13402	135431	0.0990	4.8596
Dextromethorphan	Dextromethorphan-D3	7.268	2455	23142	0.1061	5.5795
Diphenhydramine	Diphenhydramine-D3	7.291	19985	217657	0.0918	4.9580
Promethazine	Promethazine-D3	7.446	6757	73639	0.0918	5.0498

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

Placall

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.502	4044	15738	0.2570	5.0218
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.560	1766	19476	0.0907	5.2981
Carisoprodol	Carisoprodol-D7	7.592	25482	284841	0.0895	5.1033
Lorazepam	Alprazolam-D5	7.602	2229	189929	0.0117	6.6314
Alprazolam	Alprazolam-D5	7.626	21617	189929	0.1138	4.9571



ISP FORENSICS - Cd'A Instrument # 62340

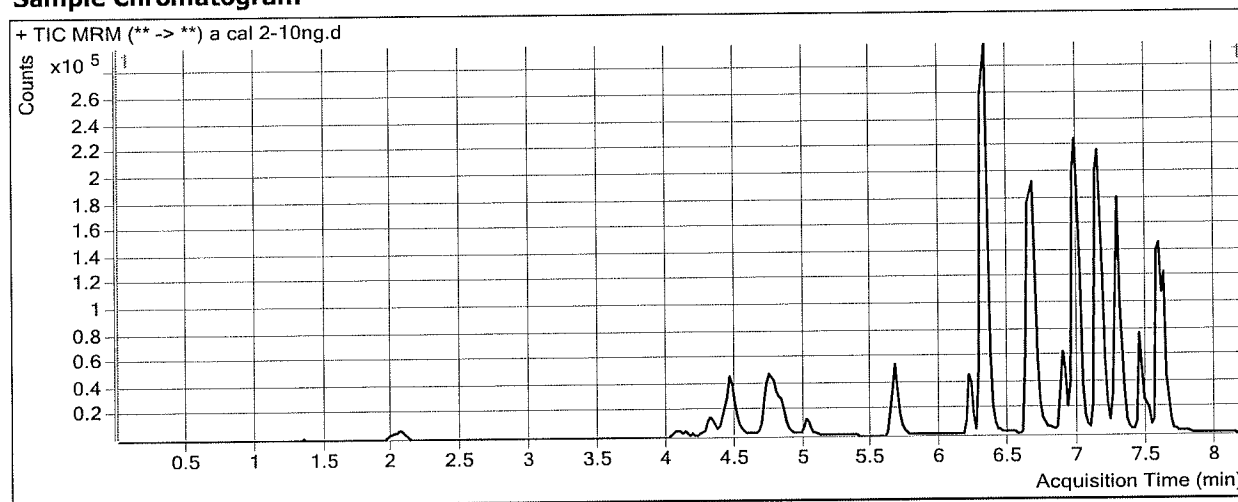
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2018 Data\02012018 mdq\QuantResults\02012018 mdq p1a.batch.bin
Analysis Time 2/2/2018 10:42 AM **Analyst Name** ISP Tox
Report Time 2/2/2018 10:45 AM **Reporter Name** ISP Tox
Last Calib Update 2/2/2018 10:41 AM **Batch State** Processed

Analysis Info

Acq Time 2018-02-01 11:44 **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	1951	2074	0.9410	9.6726
Hydromorphone	Hydromorphone-D6	2.069	10502	33080	0.3175	9.8715
Codeine	Codeine-D6	4.154	5014	18700	0.2681	10.8081
Amphetamine	Amphetamine-D11	4.463	62487	57858	1.0800	10.8218
Oxycodone	Oxycodone-D6	4.509	23830	101852	0.2340	9.9069
Hydrocodone	Hydrocodone-D6	4.814	17378	93728	0.1854	9.7802
Norhydrocodone	Norhydrocodone-D3	4.838	1179	31322	0.0376	10.9807
Methamphetamine	Methamphetamine-D11	4.841	38413	126562	0.3035	8.7304
6-MAM	6-MAM-D6	5.028	869	33727	0.0258	1.1342
Phentermine	Phentermine-D5	5.706	10818	177382	0.0610	9.1778
Dextrorphan	Dextrorphan-D3	6.203	12807	107097	0.1196	9.8439
7-aminoclonazepam	7-Aminoclonazepam-D4	6.312	23652	99733	0.2372	9.7930
Tramadol	Tramadol-13C-D3	6.322	145107	713481	0.2034	9.7310
Doxylamine	Doxylamine-D5	6.662	112229	584999	0.1918	9.7726
Bupropion	Bupropion-D9	6.910	32931	162626	0.2025	9.7598
Meprobamate	Meprobamate-D7	7.012	8304	55317	0.1501	9.0966
Zolpidem	Zolpidem-D6	6.980	102735	534134	0.1923	9.5541
Venlafaxine	Venlafaxine-D6	7.125	103716	472881	0.2193	9.6983
Trazodone	Trazodone-D6	7.175	23841	110829	0.2151	9.6300
Citalopram	Citalopram-D6	7.257	30137	134515	0.2240	10.6056
Dextromethorphan	Dextromethorphan-D3	7.288	5703	27339	0.2086	10.3007
Diphenhydramine	Diphenhydramine-D3	7.291	46461	242565	0.1915	9.9308
Promethazine	Promethazine-D3	7.446	23594	143580	0.1643	9.0789

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

PI a cal 2

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.502	9664	15278	0.6326	10.4017
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.560	3879	18918	0.2050	10.0208
Carisoprodol	Carisoprodol-D7	7.592	47409	282077	0.1681	9.4933
Lorazepam	Alprazolam-D5	7.602	4792	183706	0.0261	11.4359
Alprazolam	Alprazolam-D5	7.626	45562	183706	0.2480	10.1588



ISP FORENSICS - Cd'A Instrument # 62340

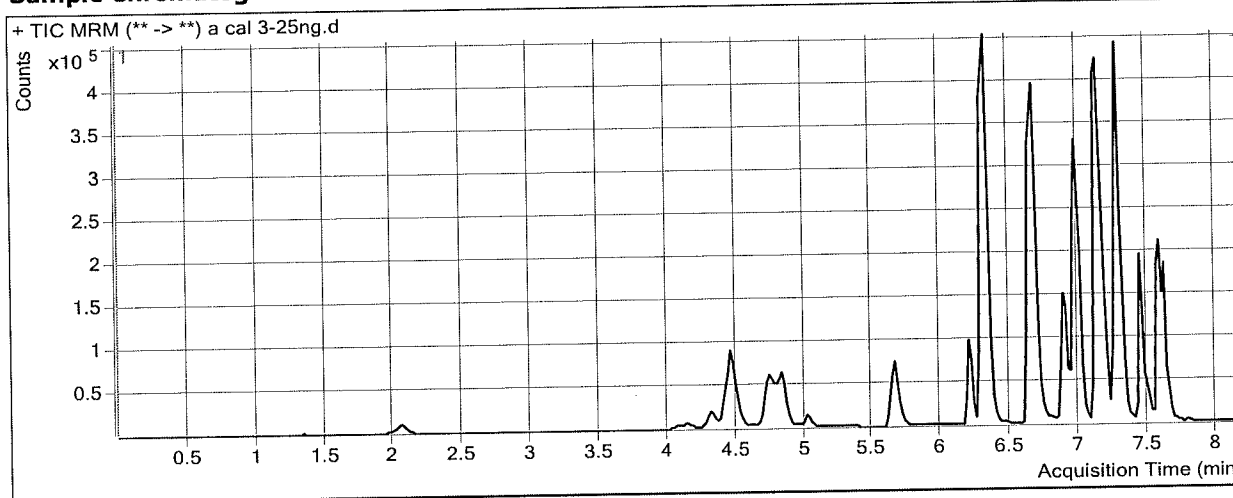
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2018 Data\02012018 mdq\QuantResults\02012018 mdq p1a.batch.bin
Analysis Time 2/2/2018 10:42 AM **Analyst Name** ISP Tox
Report Time 2/2/2018 10:45 AM **Reporter Name** ISP Tox
Last Calib Update 2/2/2018 10:41 AM **Batch State** Processed

Analysis Info

Acq Time 2018-02-01 12:09 **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	5123	2005	2.5546	24.0124
Hydromorphone	Hydromorphone-D6	2.069	25643	33453	0.7665	24.0797
Codeine	Codeine-D6	4.154	12950	20617	0.6281	23.9773
Amphetamine	Amphetamine-D11	4.463	194694	83016	2.3453	26.6001
Oxycodone	Oxycodone-D6	4.509	64287	104806	0.6134	25.0969
Hydrocodone	Hydrocodone-D6	4.814	49422	102678	0.4813	26.0172
Norhydrocodone	Norhydrocodone-D3	4.838	3835	34012	0.1128	26.1065
Methamphetamine	Methamphetamine-D11	4.841	129497	186558	0.6941	24.3605
6-MAM	6-MAM-D6	5.028	2074	36087	0.0575	2.3425
Phentermine	Phentermine-D5	5.706	45037	259822	0.1733	28.1724
Dextrorphan	Dextrorphan-D3	6.203	51542	164203	0.3139	24.8281
7-aminoclonazepam	7-Aminoclonazepam-D4	6.312	59564	101160	0.5888	25.7971
Tramadol	Tramadol-13C-D3	6.322	447312	884652	0.5056	25.4940
Doxylamine	Doxylamine-D5	6.662	423744	802046	0.5283	26.5566
Bupropion	Bupropion-D9	6.910	159629	292739	0.5453	25.4289
Meprobamate	Meprobamate-D7	6.992	19970	53199	0.3754	22.9037
Zolpidem	Zolpidem-D6	6.980	290040	573262	0.5059	26.1866
Venlafaxine	Venlafaxine-D6	7.125	400955	707258	0.5669	25.8514
Trazodone	Trazodone-D6	7.175	112124	198662	0.5644	24.3420
Citalopram	Citalopram-D6	7.257	145994	287247	0.5083	23.6613
Dextromethorphan	Dextromethorphan-D3	7.268	27750	55216	0.5026	23.8380
Diphenhydramine	Diphenhydramine-D3	7.291	244180	469066	0.5206	26.3378
Promethazine	Promethazine-D3	7.446	137947	288607	0.4780	26.4934



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

PI a cal 3

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.502	20399	14157	1.4410	21.9803
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.560	9930	18214	0.5452	24.0653
Carisoprodol	Carisoprodol-D7	7.592	125154	275643	0.4540	25.4633
Lorazepam	Alprazolam-D5	7.602	10793	174533	0.0618	23.4092
Alprazolam	Alprazolam-D5	7.626	112176	174533	0.6427	25.4583



ISP FORENSICS - Cd'A Instrument # 62340

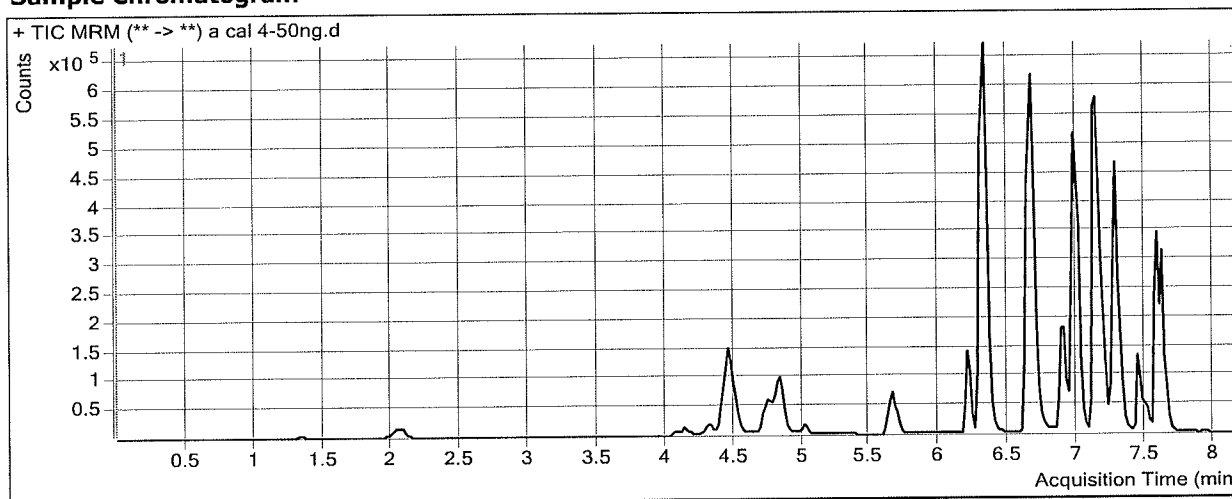
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2018 Data\02012018 mdq\QuantResults\02012018 mdq p1a.batch.bin
Analysis Time 2/2/2018 10:42 AM **Analyst Name** ISP Tox
Report Time 2/2/2018 10:45 AM **Reporter Name** ISP Tox
Last Calib Update 2/2/2018 10:41 AM **Batch State** Processed

Analysis Info

Acq Time 2018-02-01 12:35 **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



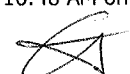
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.348	10948	2050	5.3411	48.7762
Hydromorphone	Hydromorphone-D6	2.069	54172	35325	1.5335	48.3466
Codeine	Codeine-D6	4.154	26549	21597	1.2293	45.9698
Amphetamine	Amphetamine-D11	4.463	344735	78688	4.3811	51.9878
Oxycodone	Oxycodone-D6	4.509	140397	111214	1.2624	51.0794
Hydrocodone	Hydrocodone-D6	4.814	104476	112395	0.9295	50.6104
Norhydrocodone	Norhydrocodone-D3	4.838	7585	34513	0.2198	47.6497
Methamphetamine	Methamphetamine-D11	4.841	204063	155994	1.3081	48.9288
6-MAM	6-MAM-D6	5.028	4977	38910	0.1279	5.0288
Phentermine	Phentermine-D5	5.706	75969	238659	0.3183	52.6838
Dextroprphan	Dextroprphan-D3	6.203	105194	165422	0.6359	49.6608
7-aminoclonazepam	7-Aminoclonazepam-D4	6.312	123966	102270	1.2121	54.1648
Tramadol	Tramadol-13C-D3	6.322	941346	940120	1.0013	51.3435
Doxylamine	Doxylamine-D5	6.662	863703	833096	1.0367	51.9162
Bupropion	Bupropion-D9	6.910	277316	256459	1.0813	49.9310
Meprobamate	Meprobamate-D7	7.012	46621	57611	0.8092	49.4936
Zolpidem	Zolpidem-D6	6.980	627828	632100	0.9932	52.0311
Venlafaxine	Venlafaxine-D6	7.125	810318	752781	1.0764	49.5298
Trazodone	Trazodone-D6	7.175	177466	162172	1.0943	46.6623
Citalopram	Citalopram-D6	7.257	246374	224694	1.0965	50.6831
Dextromethorphan	Dextromethorphan-D3	7.268	37251	36644	1.0166	47.5075
Diphenhydramine	Diphenhydramine-D3	7.291	345790	341787	1.0117	50.8290
Promethazine	Promethazine-D3	7.446	141927	156196	0.9086	50.4051

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

PI a cal 4

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.502	52428	15434	3.3969	49.9960
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.560	19894	18502	1.0752	45.9507
Carisoprodol	Carisoprodol-D7	7.592	262693	281842	0.9321	52.1579
Lorazepam	Alprazolam-D5	7.602	22239	186114	0.1195	42.7160
Alprazolam	Alprazolam-D5	7.626	233298	186114	1.2535	49.1340



ISP FORENSICS - Cd'A Instrument # 62340

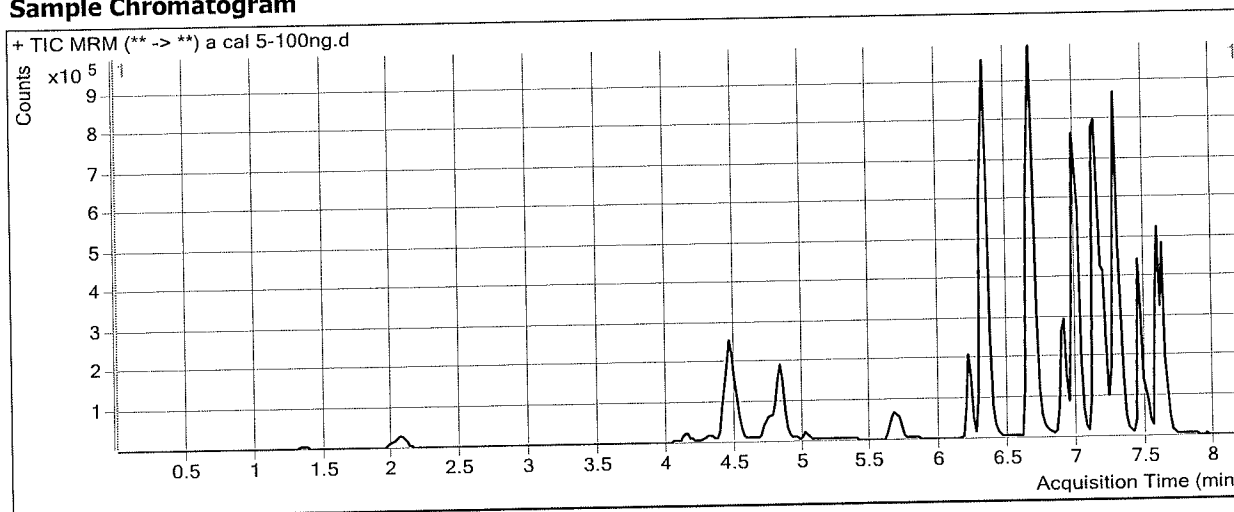
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2018 Data\02012018 mdq\QuantResults\02012018 mdq p1a.batch.bin
Analysis Time 2/2/2018 10:42 AM **Analyst Name** ISP Tox
Report Time 2/2/2018 10:45 AM **Reporter Name** ISP Tox
Last Calib Update 2/2/2018 10:41 AM **Batch State** Processed

Analysis Info

Acq Time 2018-02-01 13:00 **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	20753	1977	10.4976	94.6019
Hydromorphone	Hydromorphone-D6	2.069	104513	32939	3.1730	100.2190
Codeine	Codeine-D6	4.154	49601	19304	2.5695	94.9964
Amphetamine	Amphetamine-D11	4.463	636971	71873	8.8625	107.8734
Oxycodone	Oxycodone-D6	4.509	258201	102945	2.5081	100.9511
Hydrocodone	Hydrocodone-D6	4.814	195642	97540	2.0058	109.6630
Norhydrocodone	Norhydrocodone-D3	4.838	14157	32149	0.4404	92.0538
Methamphetamine	Methamphetamine-D11	4.841	411545	145355	2.8313	109.8757
6-MAM	6-MAM-D6	5.028	8578	35285	0.2431	9.4199
Phentermine	Phentermine-D5	5.706	142788	221998	0.6432	107.6102
Dextroprphan	Dextroprphan-D3	6.203	188339	146725	1.2836	99.6086
7-aminoclonazepam	7-Aminoclonazepam-D4	6.312	232846	98494	2.3641	106.5889
Tramadol	Tramadol-13C-D3	6.322	1699203	849913	1.9993	103.3883
Doxylamine	Doxylamine-D5	6.662	1564824	792286	1.9751	98.7209
Bupropion	Bupropion-D9	6.910	553412	241210	2.2943	105.3765
Meprobamate	Meprobamate-D7	6.992	78715	53586	1.4690	89.9289
Zolpidem	Zolpidem-D6	6.980	1162747	575360	2.0209	106.5345
Venlafaxine	Venlafaxine-D6	7.125	1450674	636360	2.2796	105.4455
Trazodone	Trazodone-D6	7.175	477352	196903	2.4243	102.6829
Citalopram	Citalopram-D6	7.257	572739	221640	2.5841	119.0192
Dextromethorphan	Dextromethorphan-D3	7.268	109210	52488	2.0807	96.5083
Diphenhydramine	Diphenhydramine-D3	7.291	803321	402262	1.9970	99.9612
Promethazine	Promethazine-D3	7.446	610469	332203	1.8376	101.9845

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

Pl a cal 5

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.502	94616	14036	6.7409	97.8929
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.560	38585	15241	2.5316	106.0895
Carisoprodol	Carisoprodol-D7	7.592	409797	247445	1.6561	92.5925
Lorazepam	Alprazolam-D5	7.602	39056	161390	0.2420	83.7393
Alprazolam	Alprazolam-D5	7.626	401174	161390	2.4857	96.8970



ISP FORENSICS - Cd'A Instrument # 62340

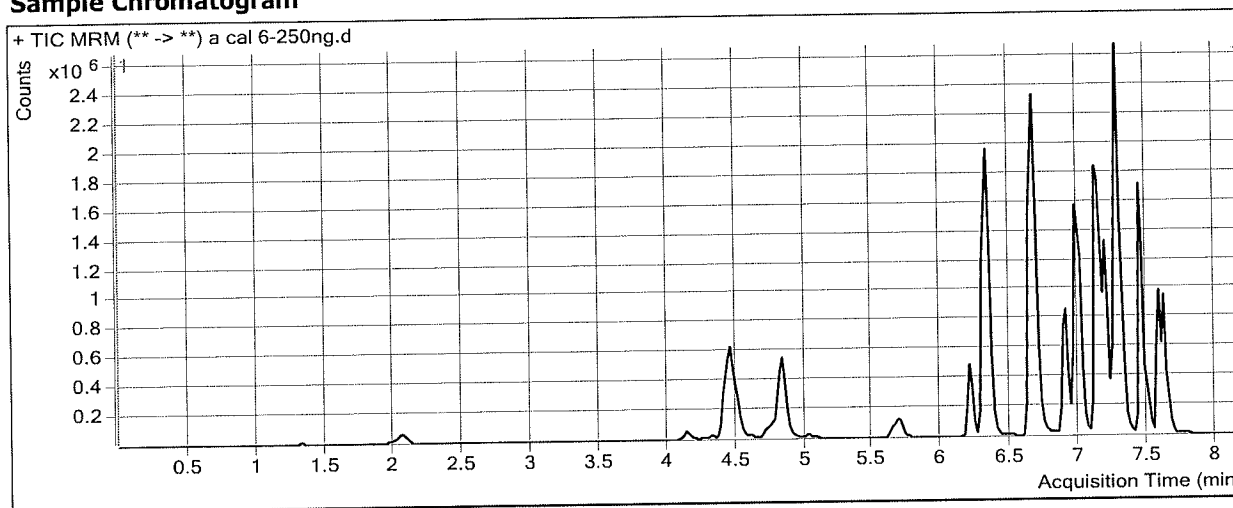
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2018 Data\02012018 mdq\QuantResults\02012018 mdq p1a.batch.bin
Analysis Time 2/2/2018 10:42 AM **Analyst Name** ISP Tox
Report Time 2/2/2018 10:45 AM **Reporter Name** ISP Tox
Last Calib Update 2/2/2018 10:41 AM **Batch State** Processed

Analysis Info

Acq Time 2018-02-01 13:25 **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



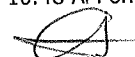
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.348	45544	1679	27.1228	242.3496
Hydromorphone	Hydromorphone-D6	2.069	239112	30398	7.8660	248.7071
Codeine	Codeine-D6	4.134	119397	18379	6.4963	238.6421
Amphetamine	Amphetamine-D11	4.463	1704921	85980	19.8294	244.6361
Oxycodone	Oxycodone-D6	4.509	684515	108103	6.3321	254.0382
Hydrocodone	Hydrocodone-D6	4.814	475416	100021	4.7532	260.4123
Norhydrocodone	Norhydrocodone-D3	4.838	32923	28131	1.1704	239.0081
Methamphetamine	Methamphetamine-D11	4.841	1391716	210421	6.6140	261.2305
6-MAM	6-MAM-D6	5.028	21874	35794	0.6111	23.4498
Phentermine	Phentermine-D5	5.706	408632	259009	1.5777	265.6015
Dextroprphan	Dextroprphan-D3	6.203	529973	158809	3.3372	257.9692
7-aminoclonazepam	7-Aminoclonazepam-D4	6.312	536677	95272	5.6331	255.3634
Tramadol	Tramadol-13C-D3	6.322	4226870	891353	4.7421	246.4288
Doxylamine	Doxylamine-D5	6.662	4190857	861097	4.8669	242.9654
Bupropion	Bupropion-D9	6.910	1835476	331034	5.5447	253.9501
Meprobamate	Meprobamate-D7	7.012	186871	47920	3.8996	238.9038
Zolpidem	Zolpidem-D6	6.980	2817457	580389	4.8544	256.8148
Venlafaxine	Venlafaxine-D6	7.125	3896782	686905	5.6730	263.1394
Trazodone	Trazodone-D6	7.175	1734930	304579	5.6962	240.4959
Citalopram	Citalopram-D6	7.257	1814411	372973	4.8647	223.7847
Dextromethorphan	Dextromethorphan-D3	7.268	475311	90662	5.2427	242.1155
Diphenhydramine	Diphenhydramine-D3	7.291	3051614	620314	4.9195	245.6905
Promethazine	Promethazine-D3	7.446	2944257	659468	4.4646	247.8386

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

pl a cal 6

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.502	208740	12197	17.1146	246.4794
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.560	82673	13658	6.0533	251.5025
Carisoprodol	Carisoprodol-D7	7.592	992033	222508	4.4584	249.0868
Lorazepam	Alprazolam-D5	7.602	89206	135410	0.6588	223.3115
Alprazolam	Alprazolam-D5	7.626	882873	135410	6.5200	253.2712



ISP FORENSICS - Cd'A Instrument # 62340

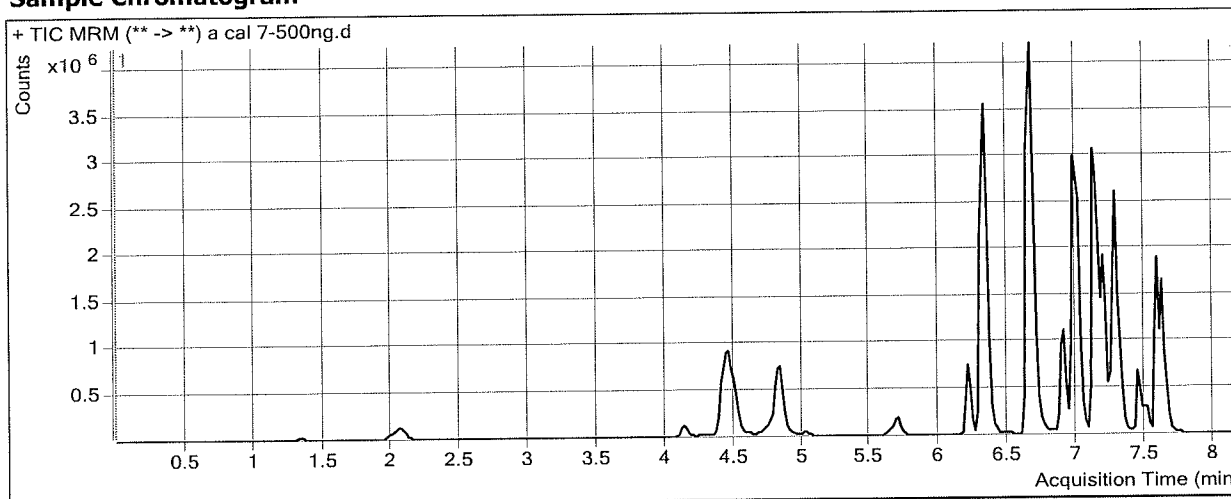
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2018 Data\02012018 mdq\QuantResults\02012018 mdq p1a.batch.bin
Analysis Time 2/2/2018 10:42 AM **Analyst Name** ISP Tox
Report Time 2/2/2018 10:45 AM **Reporter Name** ISP Tox
Last Calib Update 2/2/2018 10:41 AM **Batch State** Processed

Analysis Info

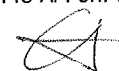
Acq Time 2018-02-01 13:51 **Data File** a cal 7-500ng.d
Sample Type Calibration **Sample Name** a cal 7-500ng
Dilution 1 **Acq Method** Quant Panel 1a 10-17.m
Position P1-G1 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.348	94900	1655	57.3254	510.7606
Hydromorphone	Hydromorphone-D6	2.069	517498	32164	16.0894	508.8944
Codeine	Codeine-D6	4.134	243908	17645	13.8229	506.6619
Amphetamine	Amphetamine-D11	4.443	2582077	68780	37.5412	465.5122
Oxycodone	Oxycodone-D6	4.489	1455435	116981	12.4416	498.6274
Hydrocodone	Hydrocodone-D6	4.794	961928	103016	9.3377	511.9644
Norhydrocodone	Norhydrocodone-D3	4.838	67633	27035	2.5017	507.0110
Methamphetamine	Methamphetamine-D11	4.841	1777477	137162	12.9589	515.1126
6-MAM	6-MAM-D6	5.028	49327	36146	1.3647	52.1794
Phentermine	Phentermine-D5	5.706	645362	217783	2.9633	499.8716
Dextroprphan	Dextroprphan-D3	6.203	850590	133348	6.3787	492.5171
7-aminoclonazepam	7-Aminoclonazepam-D4	6.312	956074	89016	10.7404	487.7978
Tramadol	Tramadol-13C-D3	6.322	8590790	860771	9.9803	519.6091
Doxylamine	Doxylamine-D5	6.662	8367891	836835	9.9995	498.9803
Bupropion	Bupropion-D9	6.910	2478465	226584	10.9384	500.4950
Meprobamate	Meprobamate-D7	7.012	442021	50947	8.6761	531.6527
Zolpidem	Zolpidem-D6	6.980	5854438	615163	9.5169	504.0948
Venlafaxine	Venlafaxine-D6	7.125	7302957	662337	11.0260	511.9083
Trazodone	Trazodone-D6	7.175	2546830	207571	12.2697	517.3787
Citalopram	Citalopram-D6	7.257	2175593	194933	11.1607	513.0039
Dextromethorphan	Dextromethorphan-D3	7.268	377981	34675	10.9006	502.6595
Diphenhydramine	Diphenhydramine-D3	7.291	3291156	325886	10.0991	503.9758
Promethazine	Promethazine-D3	7.446	1216588	134020	9.0777	503.9653



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

Pl a cal 7

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.502	418286	10927	38.2804	549.6429
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.560	180811	15201	11.8945	492.6921
Carisoprodol	Carisoprodol-D7	7.592	1975424	212364	9.3021	519.5803
Lorazepam	Alprazolam-D5	7.602	180990	132524	1.3657	460.0444
Alprazolam	Alprazolam-D5	7.626	1688341	132524	12.7399	494.3632



ISP FORENSICS - Cd'A Instrument # 62340

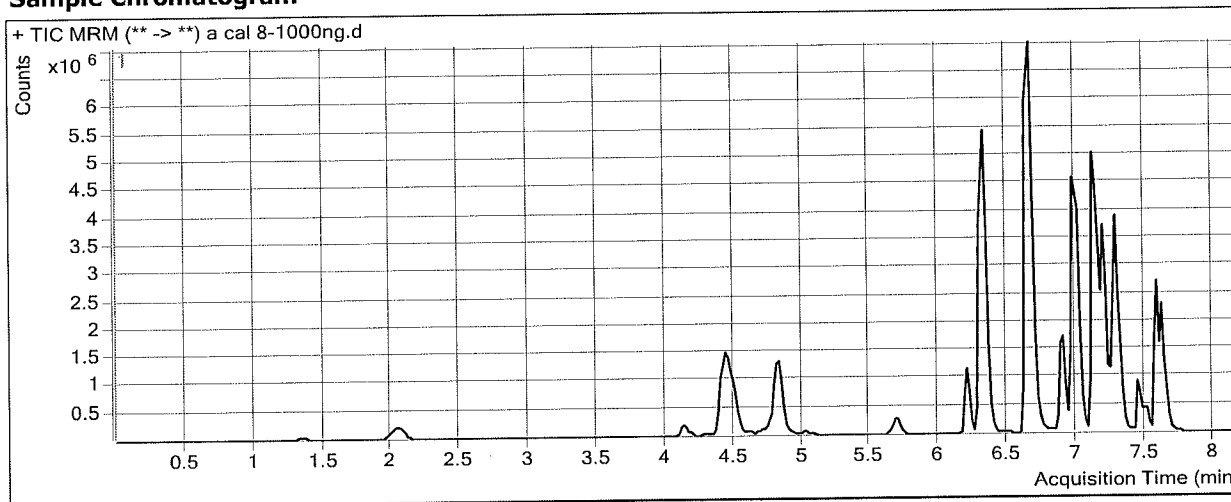
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2018 Data\02012018 mdq\QuantResults\02012018 mdq p1a.batch.bin
Analysis Time 2/2/2018 10:42 AM **Analyst Name** ISP Tox
Report Time 2/2/2018 10:45 AM **Reporter Name** ISP Tox
Last Calib Update 2/2/2018 10:41 AM **Batch State** Processed

Analysis Info

Acq Time 2018-02-01 14:16 **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	169775	1505	112.8320	1004.0480
Hydromorphone	Hydromorphone-D6	2.069	925251	27843	33.2316	1051.2696
Codeine	Codeine-D6	4.134	405223	14642	27.6751	1013.3971
Amphetamine	Amphetamine-D11	4.443	4258446	59768	71.2494	885.8706
Oxycodone	Oxycodone-D6	4.489	2531411	105182	24.0670	964.0391
Hydrocodone	Hydrocodone-D6	4.794	1561631	88542	17.6371	967.3548
Norhydrocodone	Norhydrocodone-D3	4.838	110924	20140	5.5078	1112.1530
Methamphetamine	Methamphetamine-D11	4.841	3427873	146140	23.4561	935.1373
6-MAM	6-MAM-D6	5.028	84589	32316	2.6176	99.9453
Phentermine	Phentermine-D5	5.706	1118075	194064	5.7614	972.9304
Dextroprphan	Dextroprphan-D3	6.203	1403971	107609	13.0470	1006.7397
7-aminoclonazepam	7-Aminoclonazepam-D4	6.312	1476094	67362	21.9130	996.2633
Tramadol	Tramadol-13C-D3	6.322	14036440	746824	18.7949	979.2945
Doxylamine	Doxylamine-D5	6.662	14067151	724531	19.4155	968.6578
Bupropion	Bupropion-D9	6.910	3809551	187011	20.3707	931.6449
Meprobamate	Meprobamate-D7	7.012	755934	38642	19.5623	1198.8611
Zolpidem	Zolpidem-D6	6.980	9673417	522951	18.4977	980.4076
Venlafaxine	Venlafaxine-D6	7.125	11939731	571790	20.8813	969.9035
Trazodone	Trazodone-D6	7.175	5323293	208228	25.5647	1077.3783
Citalopram	Citalopram-D6	7.257	2968459	152230	19.4998	896.0772
Dextromethorphan	Dextromethorphan-D3	7.268	570699	26000	21.9503	1011.4910
Diphenhydramine	Diphenhydramine-D3	7.291	5381572	281143	19.1418	954.8905
Promethazine	Promethazine-D3	7.446	1791093	99922	17.9249	995.1844

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

Pl a cal 8

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.502	648789	9193	70.5745	1012.2028
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.560	318215	13102	24.2867	1004.3810
Carisoprodol	Carisoprodol-D7	7.592	2931969	162633	18.0281	1006.8832
Lorazepam	Alprazolam-D5	7.602	304075	93763	3.2430	1088.7123
Alprazolam	Alprazolam-D5	7.626	2468200	93763	26.3240	1020.9037



ISP FORENSICS - Cd'A Instrument # 62340

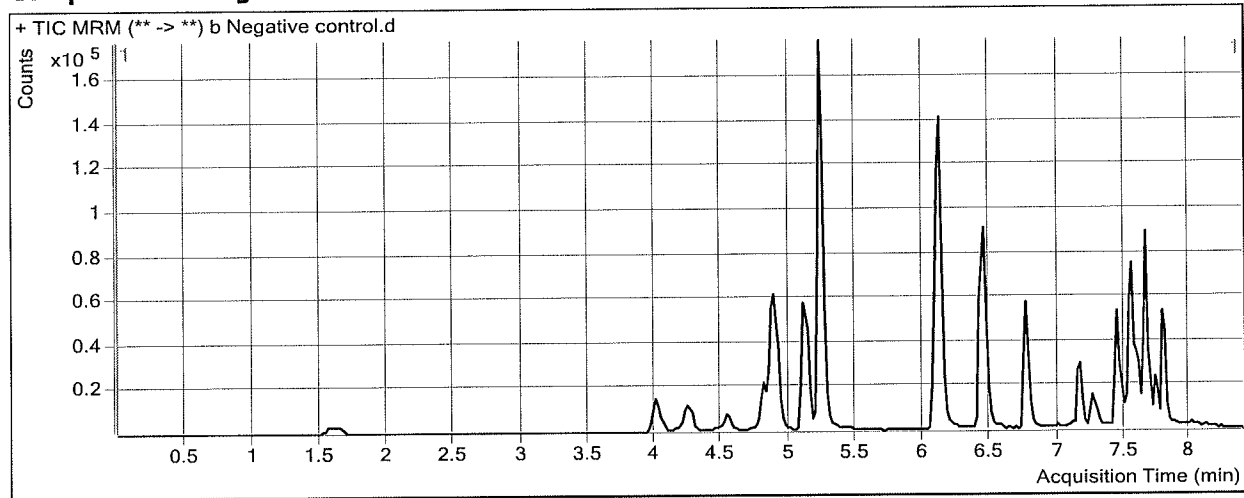
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2018 Data\02012018 mdq\QuantResults\02012018 mdq p1b.batch.bin
Analysis Time 2/2/2018 10:43 AM **Analyst Name** ISP Tox
Report Time 2/2/2018 10:49 AM **Reporter Name** ISP Tox
Last Calib Update 2/2/2018 10:43 AM **Batch State** Processed

Analysis Info

Acq Time 2018-02-01 15:07 **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



ISP FORENSICS - Cd'A Instrument # 62340

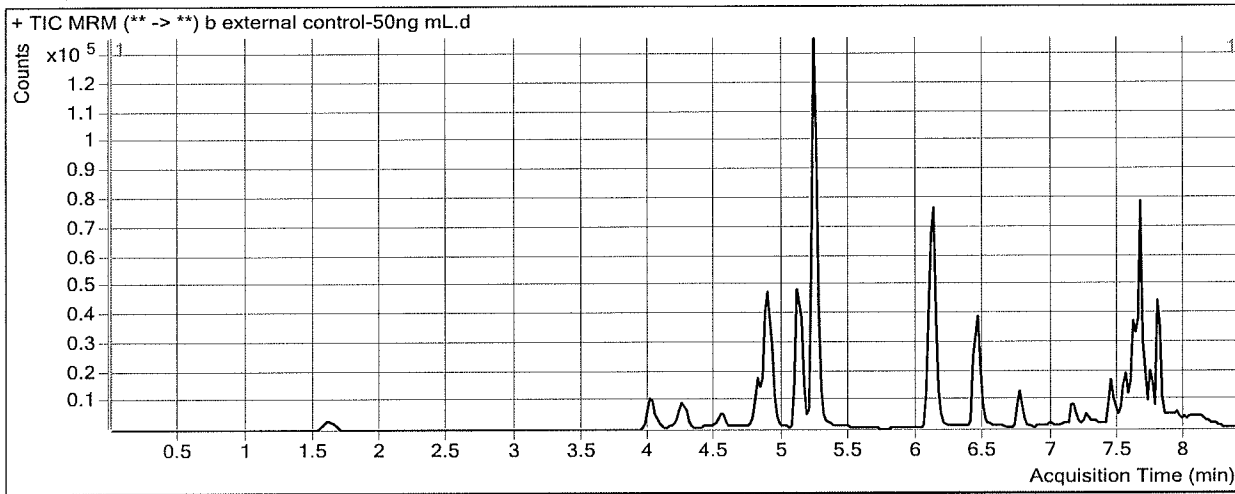
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2018 Data\02012018 mdq\QuantResults\02012018 mdq p1b.batch.bin
Analysis Time 2/2/2018 10:43 AM **Analyst Name** ISP Tox
Report Time 2/2/2018 10:49 AM **Reporter Name** ISP Tox
Last Calib Update 2/2/2018 10:43 AM **Batch State** Processed

Analysis Info

Acq Time 2018-02-01 15:32 **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	34218	27086	1.2633	53.9740

ISP FORENSICS - Cd'A Instrument # 62340

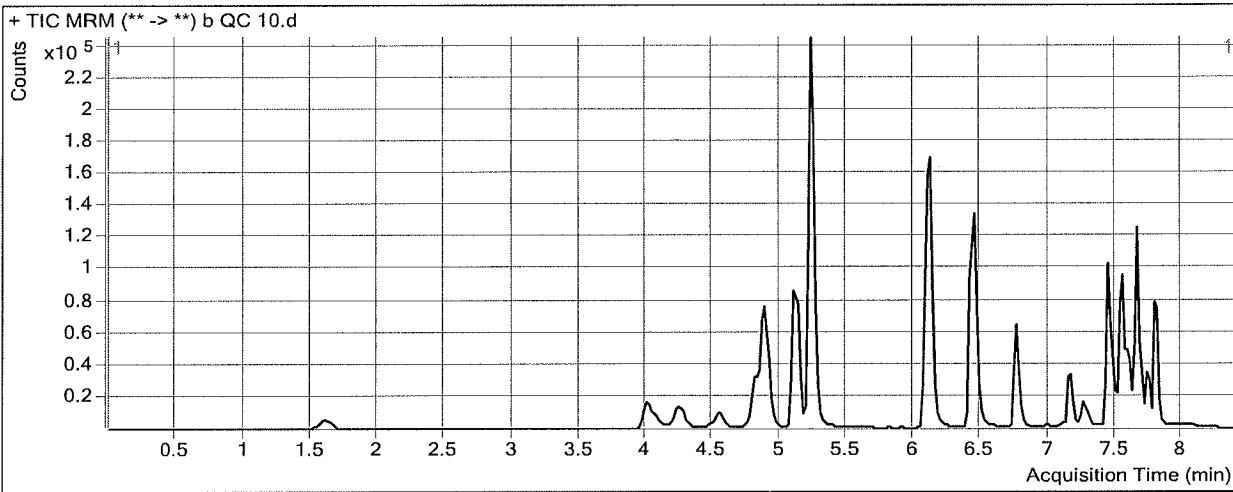
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2018 Data\02012018 mdq\QuantResults\02012018 mdq p1b.batch.bin
Analysis Time 2/2/2018 10:43 AM **Analyst Name** ISP Tox
Report Time 2/2/2018 10:49 AM **Reporter Name** ISP Tox
Last Calib Update 2/2/2018 10:43 AM **Batch State** Processed

Analysis Info

Acq Time 2018-02-01 15:58 **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 PI-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	1.628	7097	30182	0.2352	10.3993
Dihydrocodeine	Dihydrocodeine-D6	4.075	14293	74075	0.1930	9.6460
Naloxone	Naloxone-D5	4.310	8283	66205	0.1251	9.6265
Noroxycodone	Noroxycodone-D3	4.578	8847	37144	0.2382	10.2242
Naltrexone	Naltrexone-D3	4.830	19965	93754	0.2130	9.9817
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.944	5672	268126	0.0212	0.9834
Naltrexol	Naltrexol-D3	5.130	53173	212744	0.2499	8.9246
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.259	142260	661565	0.2150	9.9606
Ketamine	Ketamine-D4	6.095	51346	204967	0.2505	10.1394
Norfentanyl	Norfentanyl-D5	6.140	7767	408809	0.0190	1.3313 *
alpha-PVP	alpha-PVP-d8	6.447	75920	317546	0.2391	9.8381
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.760	3639	184146	0.0198	1.0716
Norbuprenorphine	Norbuprenorphine-D3	7.113	206	5183	0.0397	2.1136 Not evaluated *
Fentanyl	Fentanyl-D5	7.158	2377	98231	0.0242	1.1555
EDDP	EDDP-D3	7.269	6340	27854	0.2276	11.4936
Quetiapine	Quetiapine-D8	7.438	75883	98925	0.7671	10.5941
Sufentanil	Sufentanil-D5	7.437	1005	43796	0.0229	0.9646
Cyclobenzaprine	Cyclobenzaprine-D3	7.512	6168	26557	0.2323	10.6197
Methadone	Methadone-D9	7.543	22794	165015	0.1381	8.6234
Buprenorphine	Buprenorphine-D4	7.575	764	34751	0.0220	0.5058 *
Fluoxetine	Fluoxetine-D6	7.584	13027	54706	0.2381	11.5303
Oxazepam	Oxazepam-D5	7.609	8647	38774	0.2230	9.8840
Sertraline	Sertraline-D3	7.645	2958	13778	0.2147	10.3339



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

P1 b QC 10

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Temazepam	Temazepam-D5	7.667	39038	208954	0.1868	10.5161
Nordiazepam	Nordiazepam-D5	7.755	17402	53437	0.3257	9.5046
Diazepam	Diazepam-D5	7.810	37421	141393	0.2647	10.1209

ISP FORENSICS - Cd'A Instrument # 62340

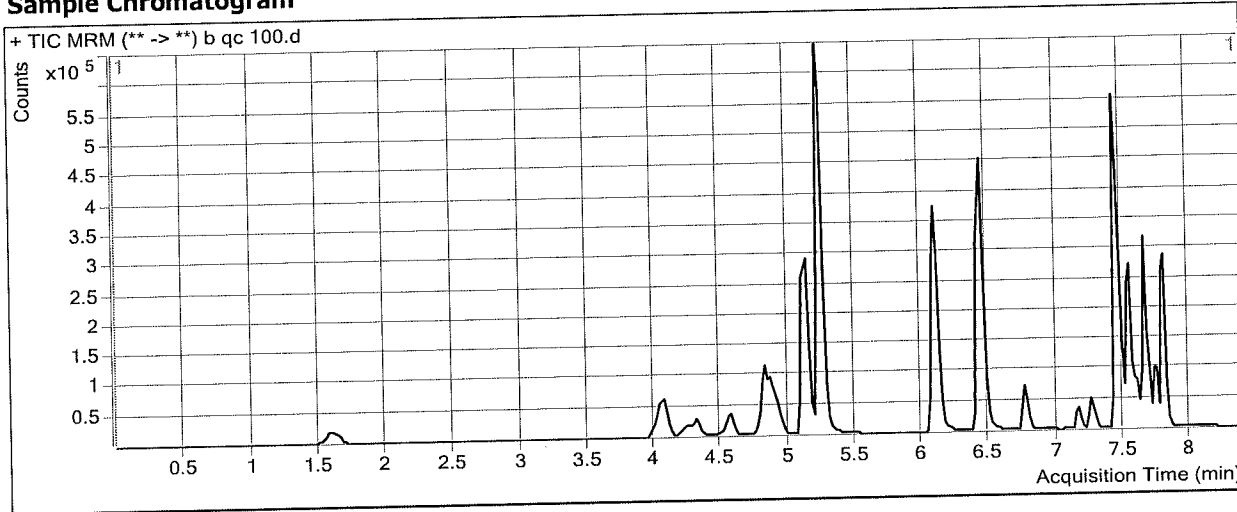
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2018 Data\02012018 mdq\QuantResults\02012018 mdq p1b.batch.bin
Analysis Time 2/2/2018 10:43 AM **Analyst Name** ISP Tox
Report Time 2/2/2018 10:49 AM **Reporter Name** ISP Tox
Last Calib Update 2/2/2018 10:43 AM **Batch State** Processed

Analysis Info

Acq Time 2018-02-01 19:08 **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	1.628	76070	31186	2.4392	99.9357
Dihydrocodeine	Dihydrocodeine-D6	4.075	152017	73604	2.0653	109.5047
Naloxone	Naloxone-D5	4.310	90626	65437	1.3849	103.9086
Noroxycodone	Noroxycodone-D3	4.578	91569	37567	2.4375	100.9766
Naltrexone	Naltrexone-D3	4.830	195242	86661	2.2529	103.7182
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.944	61231	266117	0.2301	9.9711
Naltrexol	Naltrexol-D3	5.130	580719	208167	2.7897	110.4669
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.239	1517348	661464	2.2939	109.1844
Ketamine	Ketamine-D4	6.095	550558	206815	2.6621	105.3504
Norfentanyl	Norfentanyl-D5	6.140	89129	417109	0.2137	10.1607
alpha-PVP	alpha-PVP-d8	6.447	809220	316903	2.5535	103.0115
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.780	33156	169011	0.1962	9.6689
Norbuprenorphine	Norbuprenorphine-D3	7.093	919	4239	0.2167	11.1904 Not evaluated
Fentanyl	Fentanyl-D5	7.158	15066	76209	0.1977	9.0695
EDDP	EDDP-D3	7.269	61913	26973	2.2954	99.5310
Quetiapine	Quetiapine-D8	7.438	830499	103834	7.9983	107.3242
Sufentanil	Sufentanil-D5	7.458	6989	32020	0.2183	9.9686
Cyclobenzaprine	Cyclobenzaprine-D3	7.512	51407	20068	2.5616	108.4198
Methadone	Methadone-D9	7.543	273903	150854	1.8157	105.8247
Buprenorphine	Buprenorphine-D4	7.575	6793	30905	0.2198	10.3034
Fluoxetine	Fluoxetine-D6	7.584	74059	33947	2.1816	99.6315
Oxazepam	Oxazepam-D5	7.609	64440	26202	2.4594	104.6678
Sertraline	Sertraline-D3	7.645	16607	7145	2.3244	108.9194

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

PI 5 QC 100

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Temazepam	Temazepam-D5	7.667	369009	179191	2.0593	94.0595
Nordiazepam	Nordiazepam-D5	7.755	146803	39624	3.7049	107.0076
Diazepam	Diazepam-D5	7.810	381849	130332	2.9298	109.8523



ISP FORENSICS - Cd'A Instrument # 62340

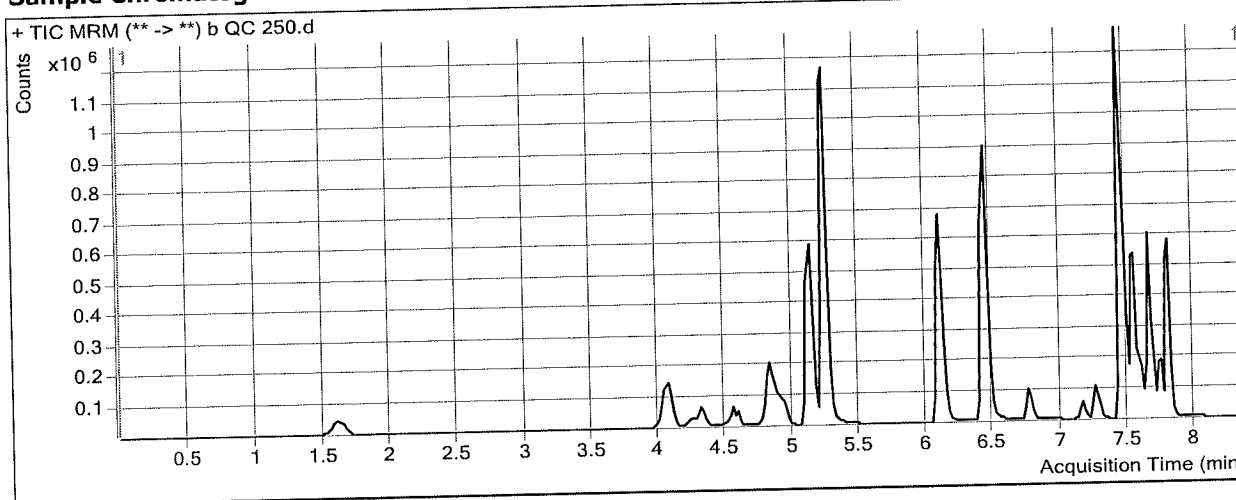
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2018 Data\02012018 mdq\QuantResults\02012018 mdq p1b.batch.bin
Analysis Time 2/2/2018 10:43 AM **Analyst Name** ISP Tox
Report Time 2/2/2018 10:49 AM **Reporter Name** ISP Tox
Last Calib Update 2/2/2018 10:43 AM **Batch State** Processed

Analysis Info

Acq Time 2018-02-01 19:46 **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	190432	30802	6.1824	251.9946
Dihydrocodeine	Dihydrocodeine-D6	4.075	363956	74855	4.8622	258.6663
Naloxone	Naloxone-D5	4.310	216223	64639	3.3451	250.6051
Noroxycodone	Noroxycodone-D3	4.558	165779	35498	4.6700	-193.0995 Split peak not evaluated
Naltrexone	Naltrexone-D3	4.830	425162	79155	5.3713	247.0024
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.944	164550	286417	0.5745	24.7871
Naltrexol	Naltrexol-D3	5.130	1315017	202848	6.4828	258.1221
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.259	3448567	651927	5.2898	252.1760
Ketamine	Ketamine-D4	6.095	1283400	202375	6.3417	250.6254
Norfentanyl	Norfentanyl-D5	6.140	223003	418899	0.5324	24.6133
alpha-PVP	alpha-PVP-d8	6.447	1877062	307358	6.1071	246.0687
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.780	87161	179488	0.4856	23.7742
Norbuprenorphine	Norbuprenorphine-D3	7.093	2038	4369	0.4665	23.9998 not evaluated
Fentanyl	Fentanyl-D5	7.158	45621	86687	0.5263	24.0583
EDDP	EDDP-D3	7.269	185523	33169	5.5932	239.9397
Quetiapine	Quetiapine-D8	7.438	2025949	106535	19.0167	254.7132
Sufentanil	Sufentanil-D5	7.437	23309	39573	0.5890	27.0563
Cyclobenzaprine	Cyclobenzaprine-D3	7.512	136167	20516	6.6370	279.5332
Methadone	Methadone-D9	7.543	656032	152089	4.3135	250.5536
Buprenorphine	Buprenorphine-D4	7.575	14929	28163	0.5301	25.6677
Fluoxetine	Fluoxetine-D6	7.584	238200	47046	5.0631	230.2585
Oxazepam	Oxazepam-D5	7.609	127067	21932	5.7937	245.9872
Sertraline	Sertraline-D3	7.645	53576	11037	4.8542	227.1410

ISP FORENSICS - Cd'A Instrument # 62340^{P1}
Multi-Drug Confirmatory Analysis Report

b QC 250

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Temazepam	Temazepam-D5	7.667	830764	168274	4.9370	222.4506
Nordiazepam	Nordiazepam-D5	7.755	298471	35607	8.3823	241.9655
Diazepam	Diazepam-D5	7.810	879841	124697	7.0558	264.2493



ISP FORENSICS - Cd'A Instrument # 62340

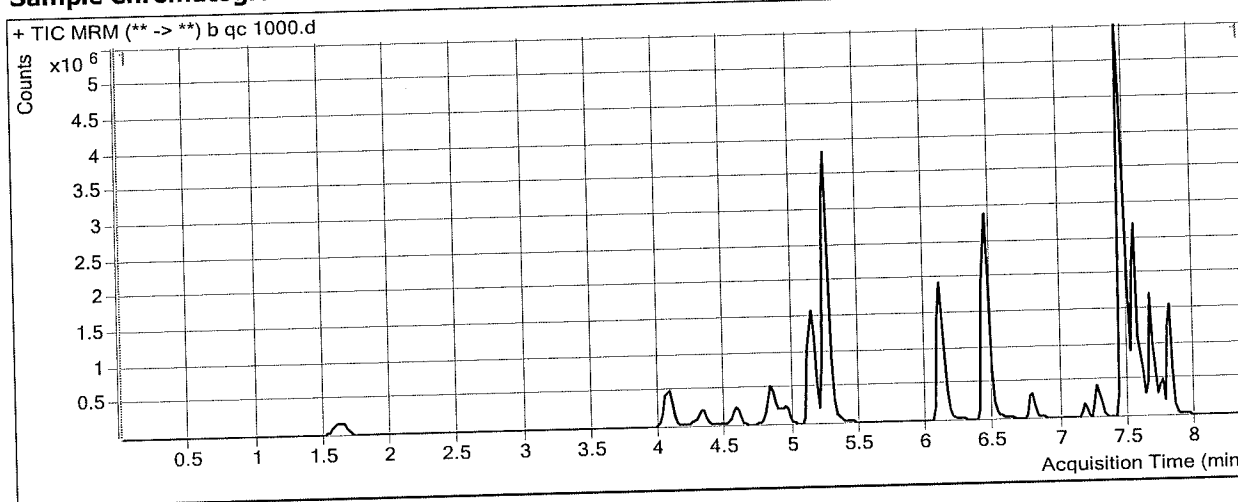
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2018 Data\02012018 mdq\QuantResults\02012018 mdq p1b.batch.bin
Analysis Time 2/2/2018 10:43 AM **Analyst Name** ISP Tox
Report Time 2/2/2018 10:49 AM **Reporter Name** ISP Tox
Last Calib Update 2/2/2018 10:43 AM **Batch State** Processed

Analysis Info

Acq Time 2018-02-01 20:11 **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	1.628	749750	30477	24.6004	1000.1917
Dihydrocodeine	Dihydrocodeine-D6	4.075	1289831	74433	17.3287	923.5365
Naloxone	Naloxone-D5	4.310	843497	63172	13.3524	999.5390
Noroxycodone	Noroxycodone-D3	4.578	771735	31888	24.2017	999.0465
Naltrexone	Naltrexone-D3	4.830	1252144	61523	20.3526	935.3827
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.944	665620	276279	2.4092	103.7104
Naltrexol	Naltrexol-D3	5.130	4117810	172484	23.8736	953.4317
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.259	12597146	602083	20.9226	998.3185
Ketamine	Ketamine-D4	6.095	4364599	188782	23.1198	913.0404
Norfentanyl	Norfentanyl-D5	6.140	884685	378603	2.3367	106.4455
alpha-PVP	alpha-PVP-d8	6.447	6712743	278974	24.0622	968.8967
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.780	529652	267222	1.9821	96.7025
Norbuprenorphine	Norbuprenorphine-D3	7.093	9461	4981	1.8994	97.4776 <i>Net evaluated</i>
Fentanyl	Fentanyl-D5	7.158	234611	108606	2.1602	98.5936
EDDP	EDDP-D3	7.269	838879	33347	25.1558	1072.8277
Quetiapine	Quetiapine-D8	7.438	9530478	134697	70.7552	946.8032
Sufentanil	Sufentanil-D5	7.437	141822	60850	2.3307	107.3351
Cyclobenzaprine	Cyclobenzaprine-D3	7.512	777219	32148	24.1764	1015.9486
Methadone	Methadone-D9	7.543	3374632	200873	16.7999	974.0453
Buprenorphine	Buprenorphine-D4	7.575	51434	29635	1.7356	85.3679 <i>outside curve range</i>
Fluoxetine	Fluoxetine-D6	7.584	1118267	54394	20.5587	932.7076
Oxazepam	Oxazepam-D5	7.609	434639	17091	25.4302	1078.2346
Sertraline	Sertraline-D3	7.645	243124	10747	22.6221	1057.4403

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

PI 6 QC 1000

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Temazepam	Temazepam-D5	7.667	2632944	119184	22.0914	987.8155
Nordiazepam	Nordiazepam-D5	7.755	768153	23709	32.3992	934.9279
Diazepam	Diazepam-D5	7.810	2587977	96559	26.8021	1003.1668

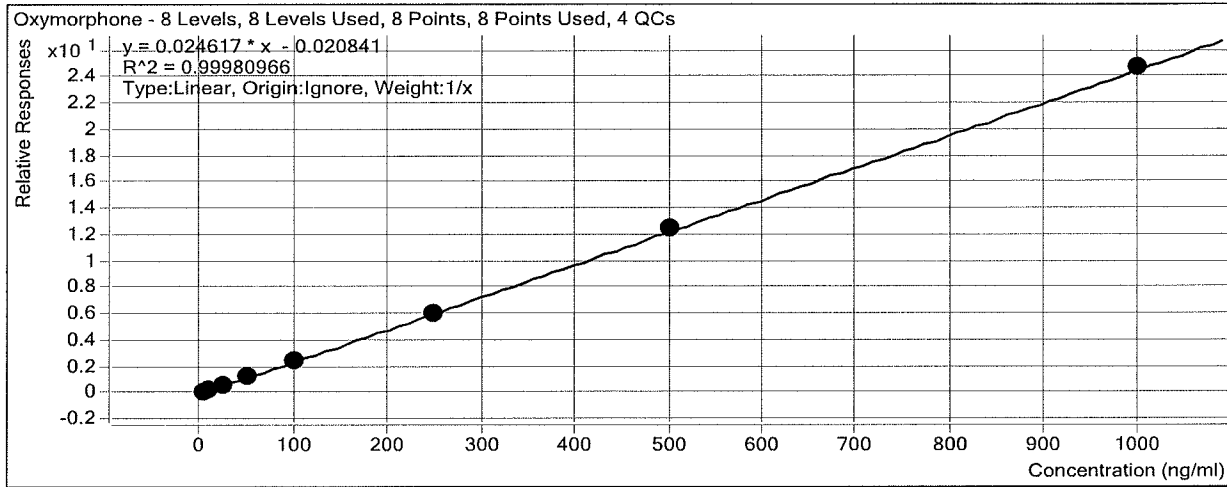


ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\02012018 mdq\QuantResults\02012018 mdq p1b.batch.bin

Last Calib Update 2/2/2018 10:43 AM **Analyst Name** ISP TOX

Target Compound Oxymorphone
Internal Standard Oxymorphone-D3



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
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b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	99.2
b QC 10	2	<input checked="" type="checkbox"/>	10	10.4	104.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.7	99.0
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.0	95.9
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.9	98.9
b qc 100	5	<input checked="" type="checkbox"/>	100	99.9	99.9
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	244.2	97.7
b QC 250	6	<input checked="" type="checkbox"/>	250	252.0	100.8
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	505.3	101.1
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1003.6	100.4
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1000.2	100.0

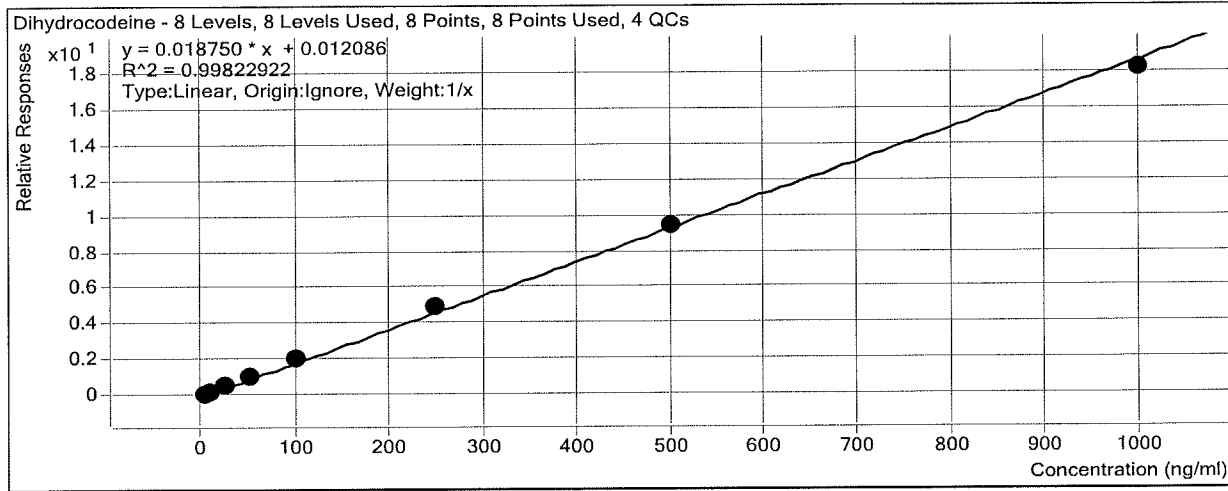
ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\02012018 mdq\QuantResults\02012018 mdq p1b.batch.bin

Last Calib Update 2/2/2018 10:43 AM

Analyst Name ISP TOX

Target Compound Dihydrocodeine
Internal Standard Dihydrocodeine-D6



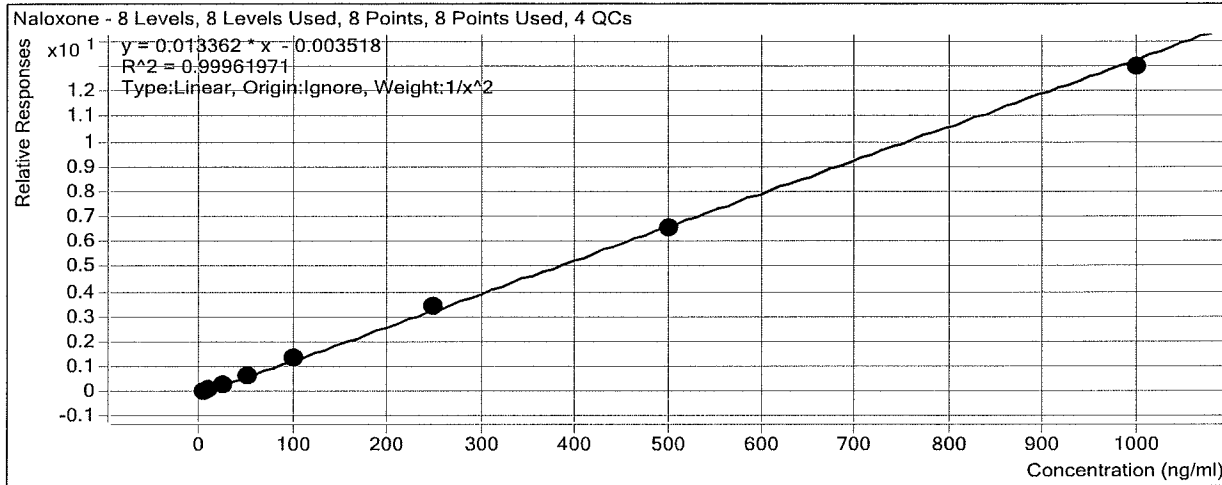
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.3	85.4
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.3	92.6
b QC 10	2	<input checked="" type="checkbox"/>	10	9.6	96.5
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.1	104.6
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.9	103.7
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	110.2	110.2
b qc 100	5	<input checked="" type="checkbox"/>	100	109.5	109.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	263.6	105.4
b QC 250	6	<input checked="" type="checkbox"/>	250	258.7	103.5
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	506.2	101.2
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	968.4	96.8
b qc 1000	8	<input checked="" type="checkbox"/>	1000	923.5	92.4

ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\02012018 mdq\QuantResults\02012018 mdq p1b.batch.bin

Last Calib Update 2/2/2018 10:43 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	5.0	100.2
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	99.2
b QC 10	2	<input checked="" type="checkbox"/>	10	9.6	96.3
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.9	99.4
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.7	101.4
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.1	102.1
b qc 100	5	<input checked="" type="checkbox"/>	100	103.9	103.9
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	254.3	101.7
b QC 250	6	<input checked="" type="checkbox"/>	250	250.6	100.2
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	493.8	98.8
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	971.2	97.1
b qc 1000	8	<input checked="" type="checkbox"/>	1000	999.5	100.0

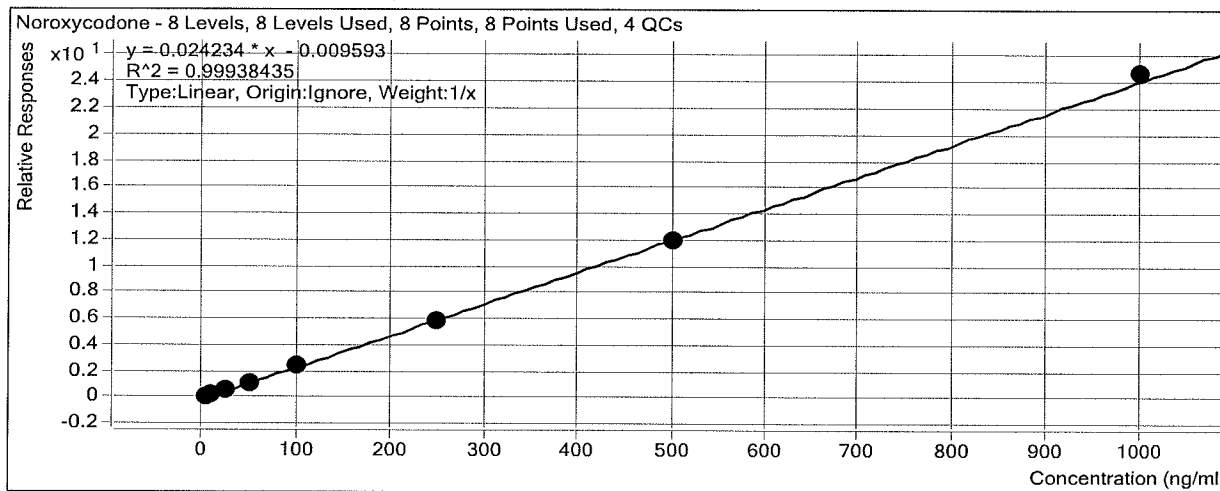
ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\02012018 mdq\QuantResults\02012018 mdq p1b.batch.bin

Last Calib Update 2/2/2018 10:43 AM **Analyst Name** ISP TOX

Target Compound *Noroxycodone*

Internal Standard *Noroxycodone-D3*



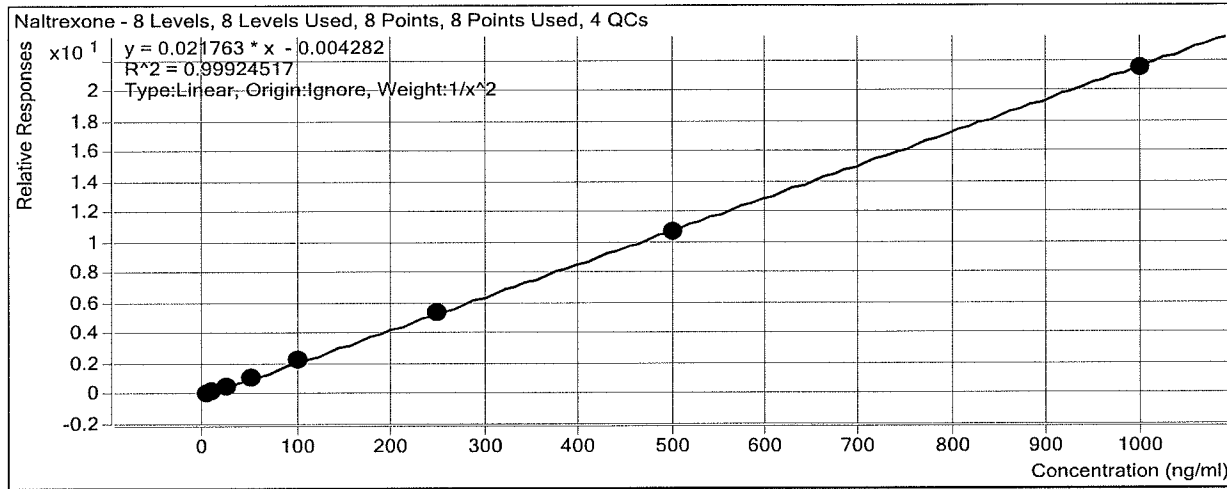
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.4	107.9
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	96.7
b QC 10	2	<input checked="" type="checkbox"/>	10	10.2	102.2
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.6	102.4
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.9	95.9
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.3	101.3
b qc 100	5	<input checked="" type="checkbox"/>	100	101.0	101.0
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	238.2	95.3
b QC 250	6	<input checked="" type="checkbox"/>	250	193.1	77.2
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	494.3	98.9
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1017.7	101.8
b qc 1000	8	<input checked="" type="checkbox"/>	1000	999.0	99.9

ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\02012018 mdq\QuantResults\02012018 mdq p1b.batch.bin

Last Calib Update 2/2/2018 10:43 AM **Analyst Name** ISP TOX

Target Compound Naltrexone
Internal Standard Naltrexone-D3



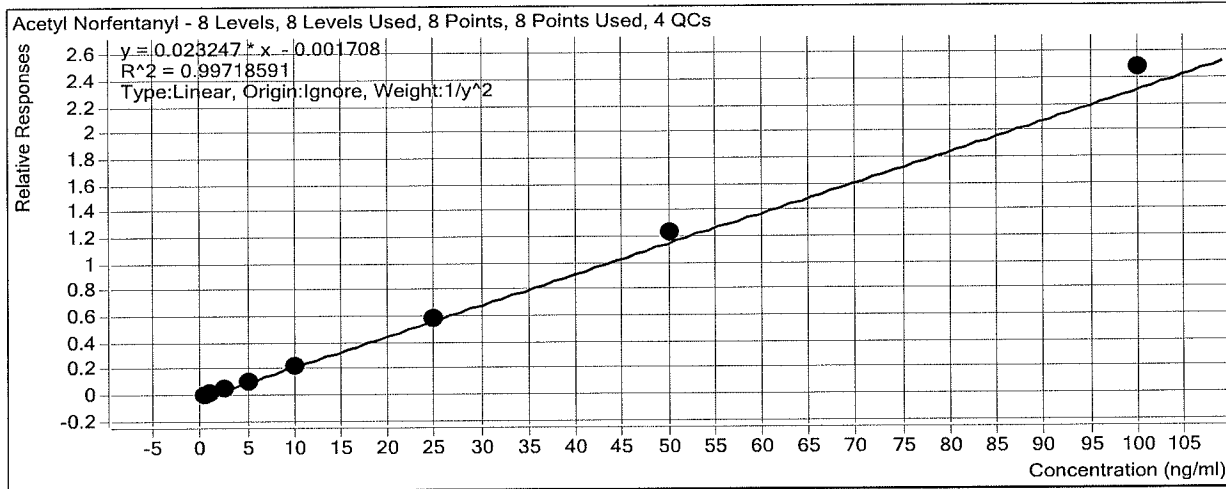
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	101.1
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	95.9
b QC 10	2	<input checked="" type="checkbox"/>	10	10.0	99.8
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.0	103.9
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.4	100.7
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.5	101.5
b qc 100	5	<input checked="" type="checkbox"/>	100	103.7	103.7
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	247.6	99.0
b QC 250	6	<input checked="" type="checkbox"/>	250	247.0	98.8
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	495.1	99.0
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	987.0	98.7
b qc 1000	8	<input checked="" type="checkbox"/>	1000	935.4	93.5

ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\02012018 mdq\QuantResults\02012018 mdq p1b.batch.bin

Last Calib Update 2/2/2018 10:43 AM **Analyst Name** ISP TOX

Target Compound Acetyl Norfentanyl
Internal Standard Acetyl Norfentanyl-D5



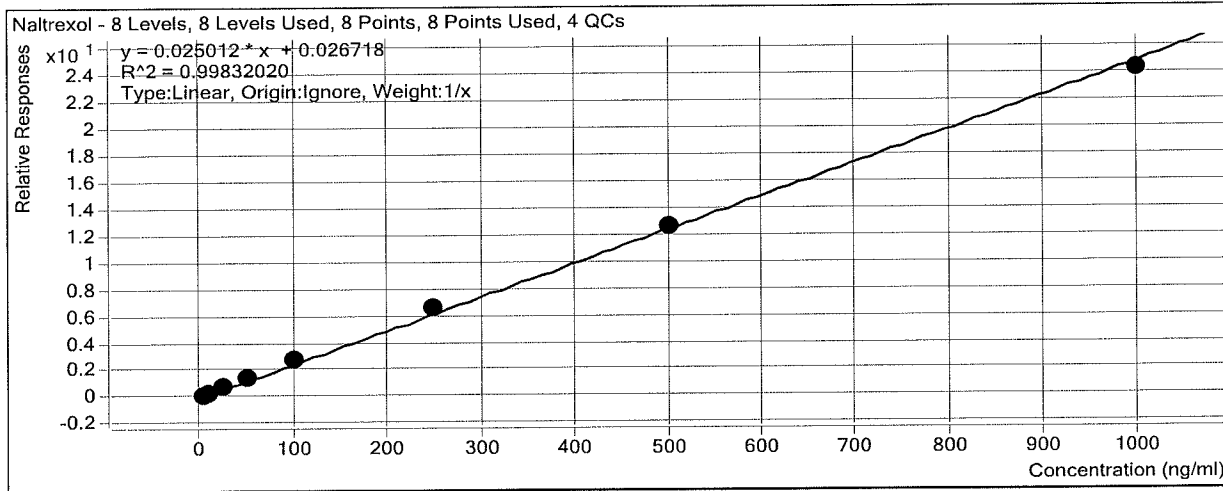
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	0.5	0.5	102.9
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.0	95.8
b QC 10	2	<input checked="" type="checkbox"/>	1	1.0	98.3
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.4	97.8
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.8	95.6
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.7	96.9
b qc 100	5	<input checked="" type="checkbox"/>	10	10.0	99.7
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	25.1	100.6
b QC 250	6	<input checked="" type="checkbox"/>	25	24.8	99.1
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	53.4	106.8
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	106.6	106.6
b qc 1000	8	<input checked="" type="checkbox"/>	100	103.7	103.7

ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\02012018 mdq\QuantResults\02012018 mdq p1b.batch.bin

Last Calib Update 2/2/2018 10:43 AM **Analyst Name** ISP TOX

Target Compound Naltrexol
Internal Standard Naltrexol-D3



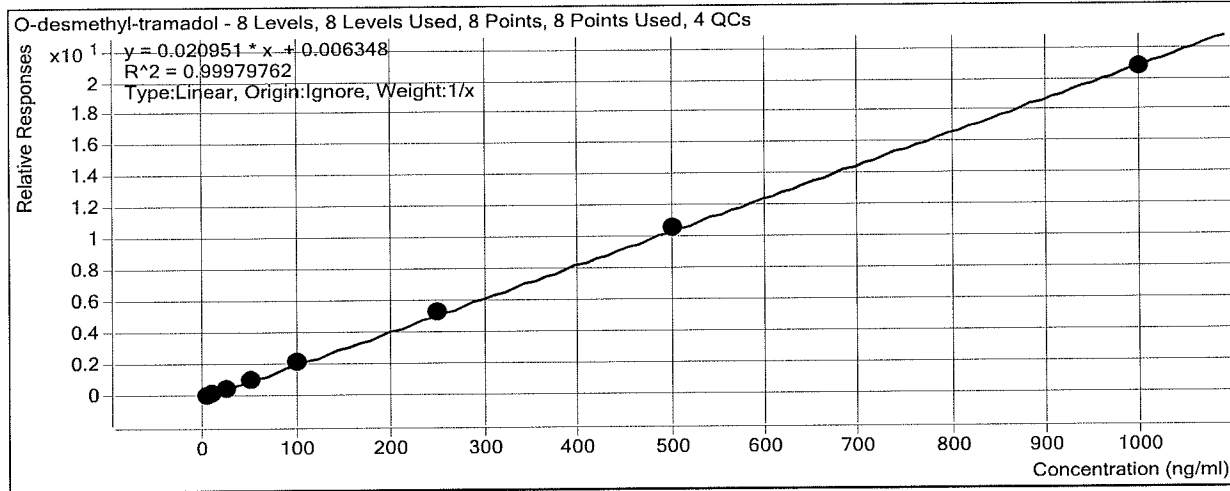
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.1	82.4
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.3	92.8
b QC 10	2	<input checked="" type="checkbox"/>	10	8.9	89.2
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.5	106.2
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	53.0	106.0
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	109.7	109.7
b qc 100	5	<input checked="" type="checkbox"/>	100	110.5	110.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	262.9	105.2
b QC 250	6	<input checked="" type="checkbox"/>	250	258.1	103.2
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	503.8	100.8
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	970.7	97.1
b qc 1000	8	<input checked="" type="checkbox"/>	1000	953.4	95.3

ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\02012018 mdq\QuantResults\02012018 mdq p1b.batch.bin

Last Calib Update 2/2/2018 10:43 AM **Analyst Name** ISP TOX

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



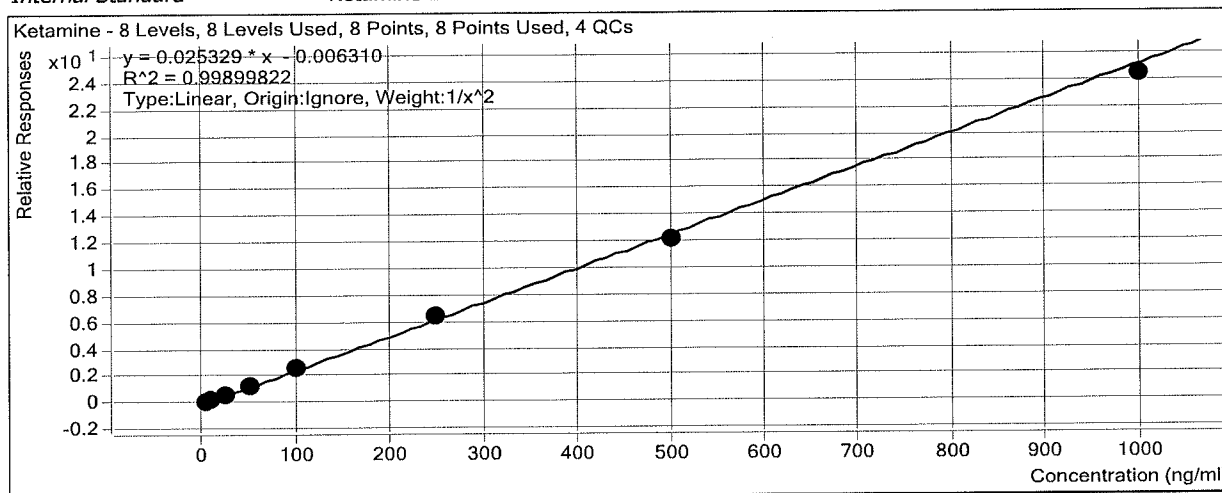
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.8	95.0
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	98.5
b QC 10	2	<input checked="" type="checkbox"/>	10	10.0	99.6
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.3	101.1
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.5	100.9
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	104.0	104.0
b qc 100	5	<input checked="" type="checkbox"/>	100	109.2	109.2
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	251.5	100.6
b QC 250	6	<input checked="" type="checkbox"/>	250	252.2	100.9
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	505.1	101.0
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	989.1	98.9
b qc 1000	8	<input checked="" type="checkbox"/>	1000	998.3	99.8

ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\02012018 mdq\QuantResults\02012018 mdq p1b.batch.bin

Last Calib Update 2/2/2018 10:43 AM **Analyst Name** ISP TOX

Target Compound Ketamine
Internal Standard Ketamine-D4



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.9	98.7
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.2	101.5
b QC 10	2	<input checked="" type="checkbox"/>	10	10.1	101.4
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.3	101.3
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.9	101.9
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.2	102.2
b qc 100	5	<input checked="" type="checkbox"/>	100	105.4	105.4
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	256.2	102.5
b QC 250	6	<input checked="" type="checkbox"/>	250	250.6	100.3
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	478.0	95.6
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	963.5	96.4
b qc 1000	8	<input checked="" type="checkbox"/>	1000	913.0	91.3

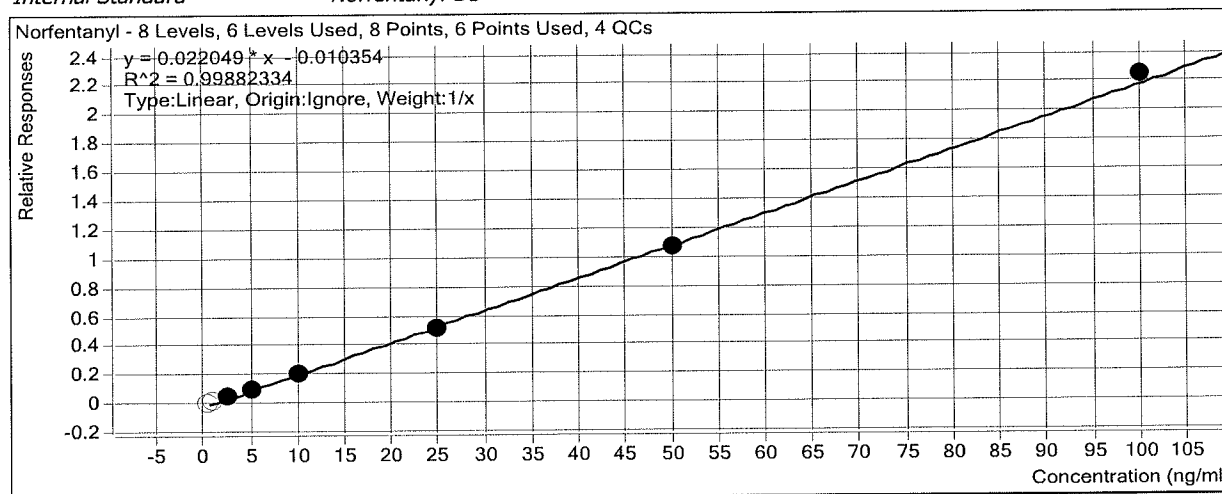
ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\02012018 mdq\QuantResults\02012018 mdq p1b.batch.bin

Last Calib Update 2/2/2018 10:43 AM **Analyst Name** ISP TOX

Target Compound Norfentanyl

Internal Standard Norfentanyl-D5



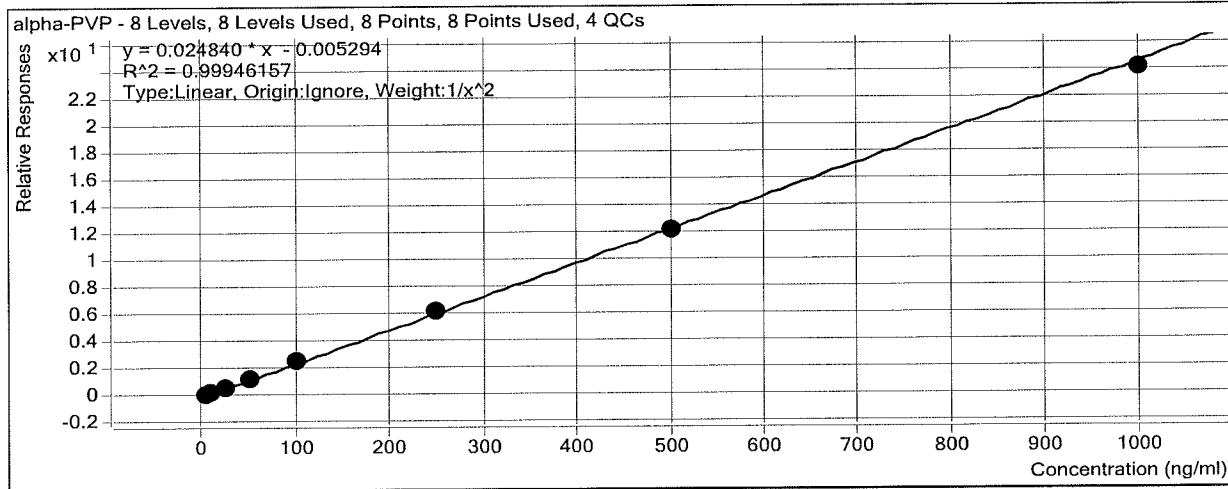
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input type="checkbox"/>	0.5	0.9	181.6
b cal 2-10ng	2	<input type="checkbox"/>	1	1.3	133.9
b QC 10	2	<input type="checkbox"/>	1	1.3	133.1
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.7	109.5
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.9	98.6
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.6	96.4
b qc 100	5	<input checked="" type="checkbox"/>	10	10.2	101.6
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	23.8	95.1
b QC 250	6	<input checked="" type="checkbox"/>	25	24.6	98.5
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	49.0	98.1
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	102.4	102.4
b qc 1000	8	<input checked="" type="checkbox"/>	100	106.4	106.4

ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\02012018 mdq\QuantResults\02012018 mdq p1b.batch.bin

Last Calib Update 2/2/2018 10:43 AM **Analyst Name** ISP TOX

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



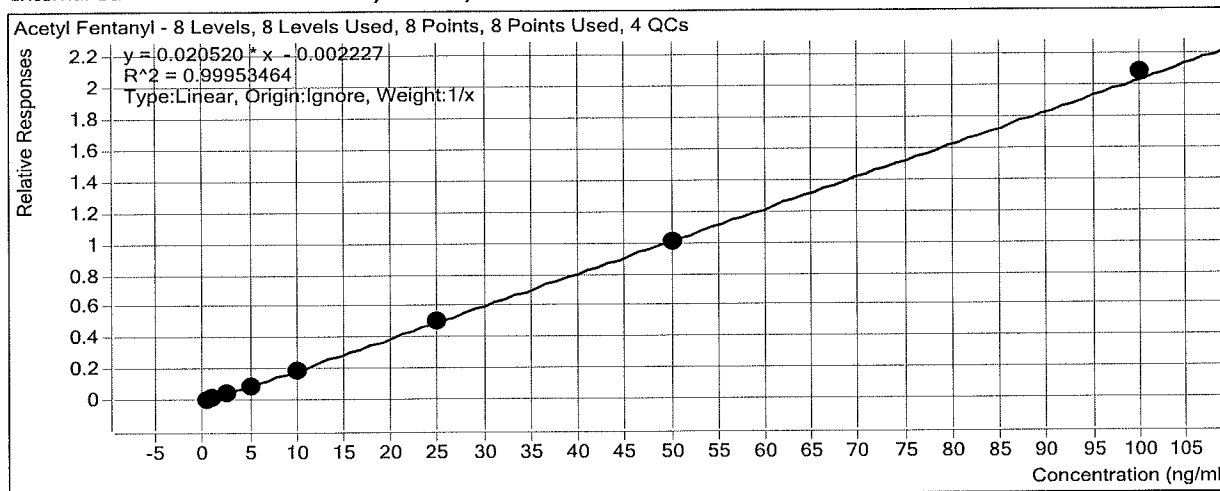
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	99.2
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	100.7
b QC 10	2	<input checked="" type="checkbox"/>	10	9.8	98.4
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.5	102.1
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.6	99.1
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.1	103.1
b qc 100	5	<input checked="" type="checkbox"/>	100	103.0	103.0
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	251.8	100.7
b QC 250	6	<input checked="" type="checkbox"/>	250	246.1	98.4
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	489.1	97.8
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	973.0	97.3
b qc 1000	8	<input checked="" type="checkbox"/>	1000	968.9	96.9

ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\02012018 mdq\QuantResults\02012018 mdq p1b.batch.bin

Last Calib Update 2/2/2018 10:43 AM **Analyst Name** ISP TOX

Target Compound Acetyl Fentanyl
Internal Standard Acetyl Fentanyl-D5



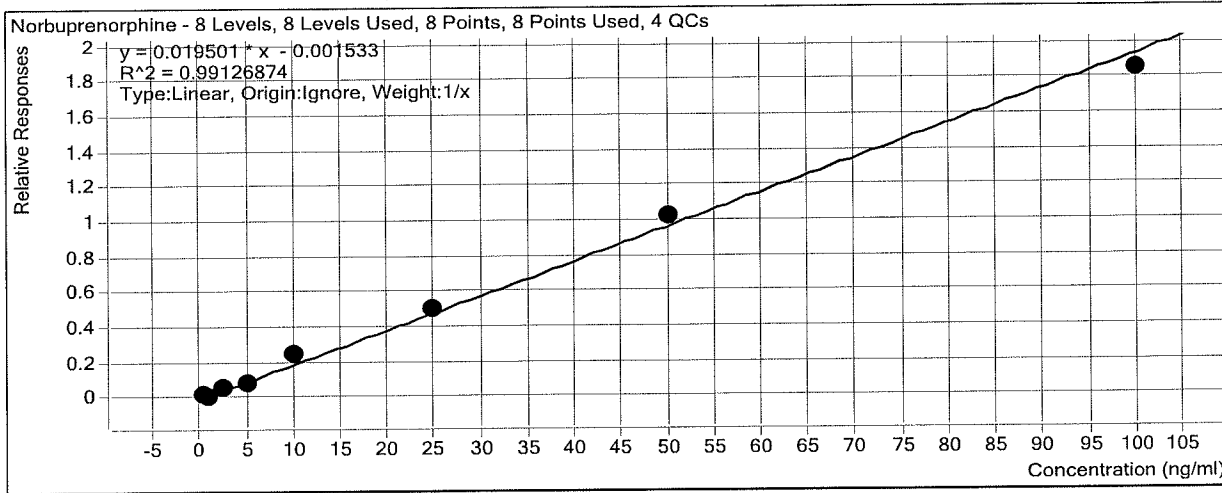
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	0.5	0.5	107.9
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.0	104.3
b QC 10	2	<input checked="" type="checkbox"/>	1	1.1	107.2
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.5	99.2
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.7	93.2
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.6	96.1
b qc 100	5	<input checked="" type="checkbox"/>	10	9.7	96.7
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	24.8	99.2
b QC 250	6	<input checked="" type="checkbox"/>	25	23.8	95.1
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	49.3	98.5
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	101.6	101.6
b qc 1000	8	<input checked="" type="checkbox"/>	100	96.7	96.7

ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\02012018 mdq\QuantResults\02012018 mdq p1b.batch.bin

Last Calib Update 2/2/2018 10:43 AM **Analyst Name** ISP TOX

Target Compound Norbuprenorphine
Internal Standard Norbuprenorphine-D3



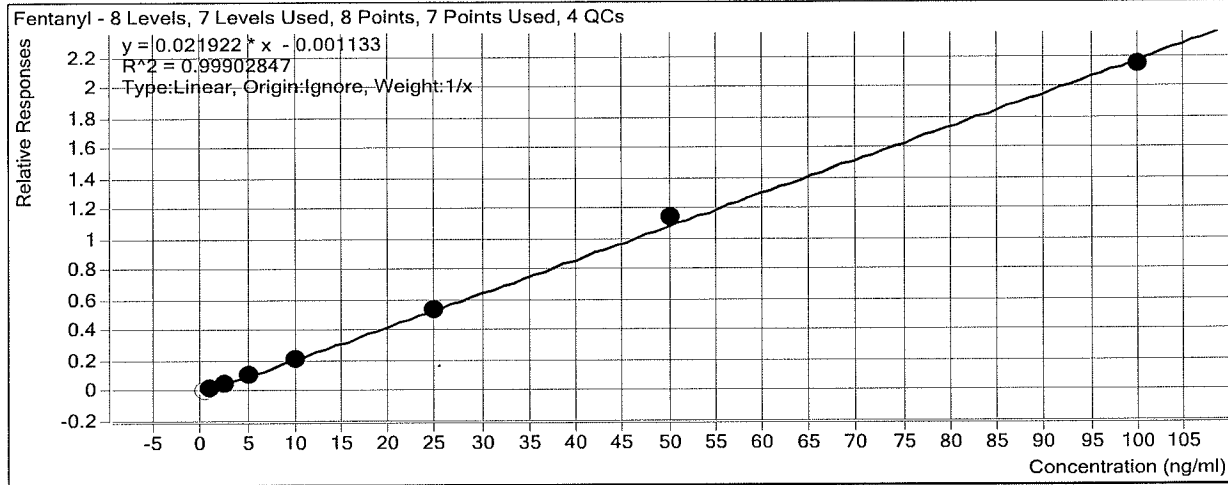
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	0.5	0.6	120.4
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	0.5	51.1
b QC 10	2	<input checked="" type="checkbox"/>	1	2.1	211.4
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.8	113.1
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.3	85.5
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	12.7	127.4
b qc 100	5	<input checked="" type="checkbox"/>	10	11.2	111.9
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	25.6	102.5
b QC 250	6	<input checked="" type="checkbox"/>	25	24.0	96.0
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	52.5	105.0
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	94.9	94.9
b qc 1000	8	<input checked="" type="checkbox"/>	100	97.5	97.5

ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\02012018 mdq\QuantResults\02012018 mdq p1b.batch.bin

Last Calib Update 2/2/2018 10:43 AM **Analyst Name** ISP TOX

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



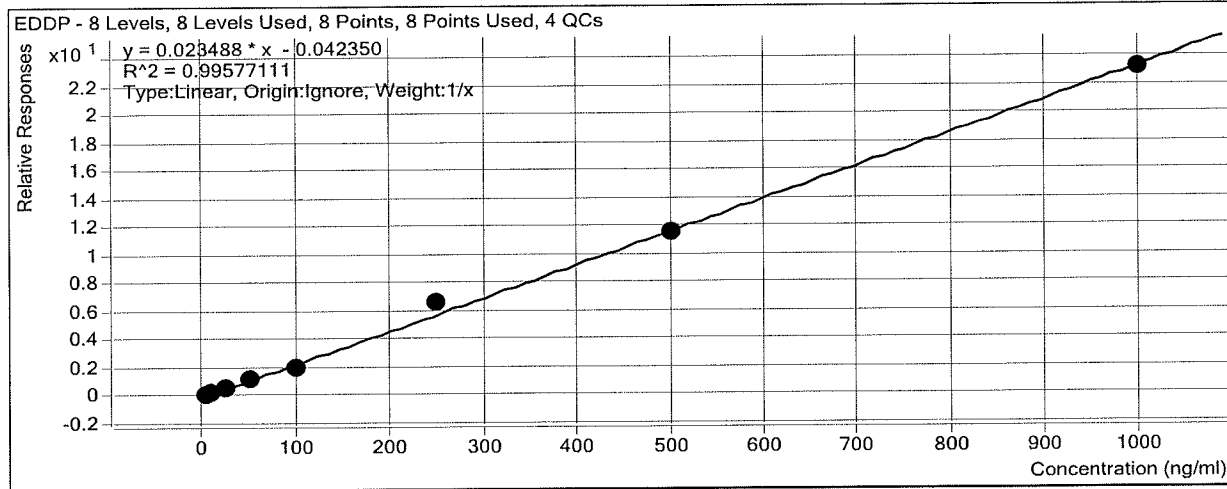
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input type="checkbox"/>	0.5	0.5	103.3
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.0	97.9
b QC 10	2	<input checked="" type="checkbox"/>	1	1.2	115.5
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.5	99.1
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	5.2	103.4
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.8	97.8
b qc 100	5	<input checked="" type="checkbox"/>	10	9.1	90.7
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	24.8	99.2
b QC 250	6	<input checked="" type="checkbox"/>	25	24.1	96.2
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	52.3	104.6
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	98.0	98.0
b qc 1000	8	<input checked="" type="checkbox"/>	100	98.6	98.6

ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\02012018 mdq\QuantResults\02012018 mdq p1b.batch.bin

Last Calib Update 2/2/2018 10:43 AM **Analyst Name** ISP TOX

Target Compound EDDP
Internal Standard EDDP-D3



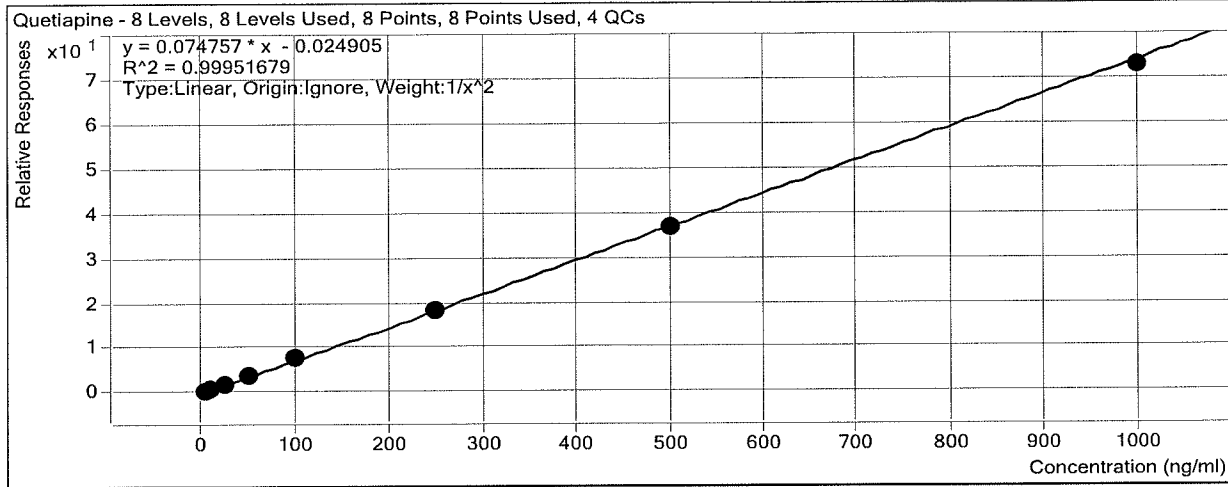
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.6	111.1
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	101.1
b QC 10	2	<input checked="" type="checkbox"/>	10	11.5	114.9
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.0	96.1
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.5	95.1
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	84.9	84.9
b qc 100	5	<input checked="" type="checkbox"/>	100	99.5	99.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	284.7	113.9
b QC 250	6	<input checked="" type="checkbox"/>	250	239.9	96.0
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	496.0	99.2
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	987.2	98.7
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1072.8	107.3

ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\02012018 mdq\QuantResults\02012018 mdq p1b.batch.bin

Last Calib Update 2/2/2018 10:43 AM **Analyst Name** ISP TOX

Target Compound Quetiapine
Internal Standard Quetiapine-D8



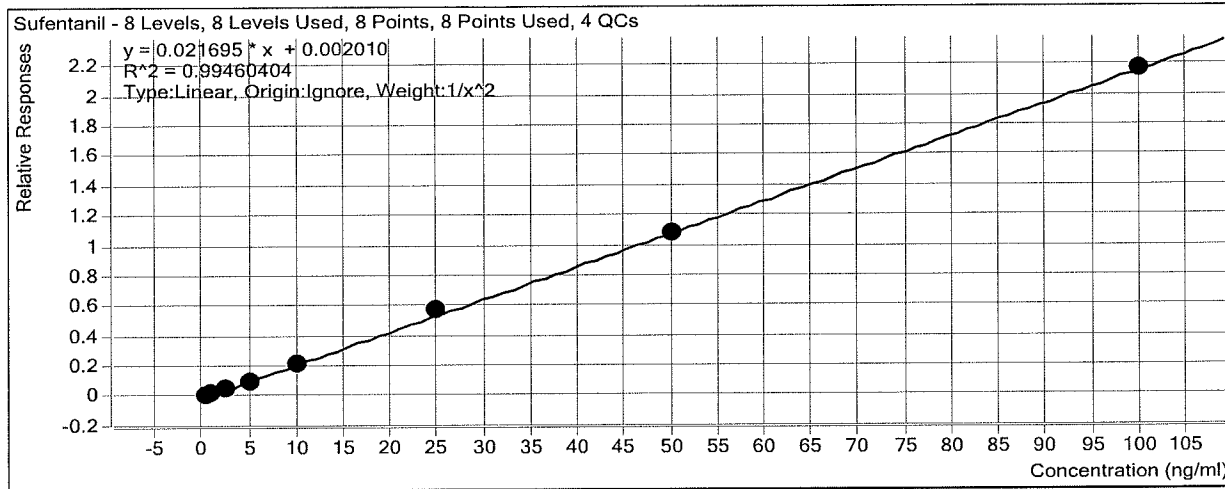
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	99.0
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	100.6
b QC 10	2	<input checked="" type="checkbox"/>	10	10.6	105.9
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.5	102.0
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.1	102.2
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.9	101.9
b qc 100	5	<input checked="" type="checkbox"/>	100	107.3	107.3
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	245.8	98.3
b QC 250	6	<input checked="" type="checkbox"/>	250	254.7	101.9
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	491.7	98.3
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	975.4	97.5
b qc 1000	8	<input checked="" type="checkbox"/>	1000	946.8	94.7

ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\02012018 mdq\QuantResults\02012018 mdq p1b.batch.bin

Last Calib Update 2/2/2018 10:43 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	95.4
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.1	112.4
b QC 10	2	<input checked="" type="checkbox"/>	1	1.0	96.5
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.4	95.7
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.6	91.9
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.9	99.2
b qc 100	5	<input checked="" type="checkbox"/>	10	10.0	99.7
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	26.3	105.3
b QC 250	6	<input checked="" type="checkbox"/>	25	27.1	108.2
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	50.1	100.2
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	99.9	99.9
b qc 1000	8	<input checked="" type="checkbox"/>	100	107.3	107.3

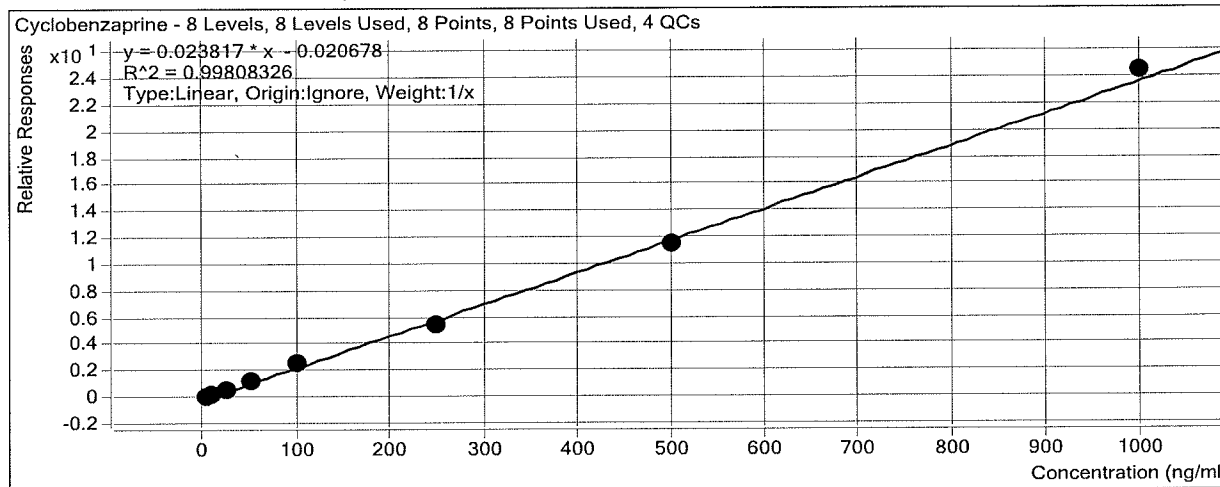
ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\02012018 mdq\QuantResults\02012018 mdq p1b.batch.bin

Last Calib Update 2/2/2018 10:43 AM **Analyst Name** ISP TOX

Target Compound Cyclobenzaprine

Internal Standard Cyclobenzaprine-D3



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	101.2
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	96.8
b QC 10	2	<input checked="" type="checkbox"/>	10	10.6	106.2
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.1	100.6
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.8	101.7
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	107.9	107.9
b qc 100	5	<input checked="" type="checkbox"/>	100	108.4	108.4
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	231.5	92.6
b QC 250	6	<input checked="" type="checkbox"/>	250	279.5	111.8
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	482.4	96.5
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1027.5	102.8
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1015.9	101.6

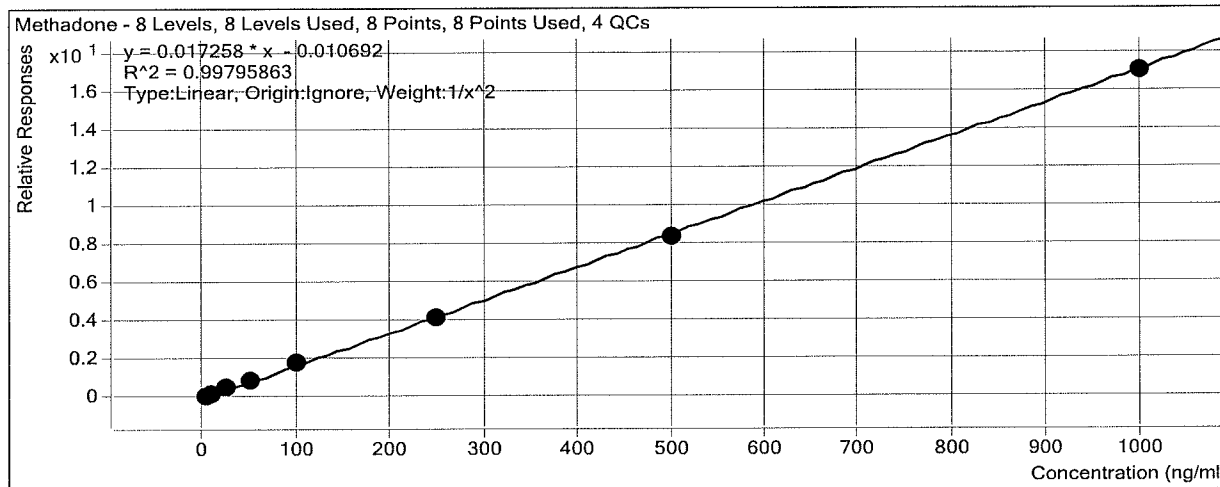
ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\02012018 mdq\QuantResults\02012018 mdq p1b.batch.bin

Last Calib Update 2/2/2018 10:43 AM **Analyst Name** ISP TOX

Target Compound *Methadone*

Internal Standard *Methadone-D9*



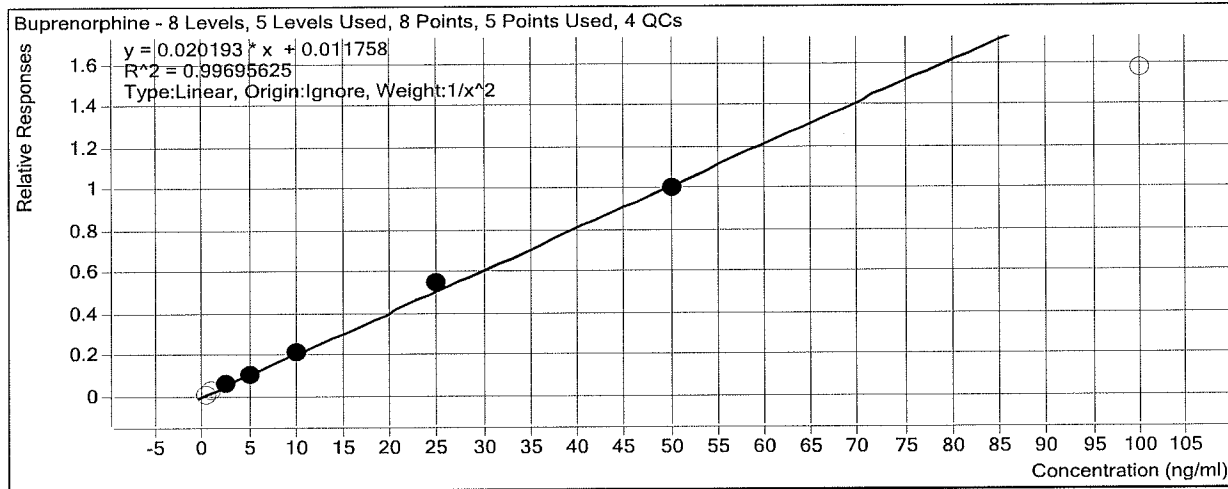
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.9	97.7
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.3	103.0
b QC 10	2	<input checked="" type="checkbox"/>	10	8.6	86.2
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.4	105.5
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.4	94.8
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	104.8	104.8
b qc 100	5	<input checked="" type="checkbox"/>	100	105.8	105.8
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	243.7	97.5
b QC 250	6	<input checked="" type="checkbox"/>	250	250.6	100.2
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	488.7	97.7
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	988.2	98.8
b qc 1000	8	<input checked="" type="checkbox"/>	1000	974.0	97.4

ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\02012018 mdq\QuantResults\02012018 mdq p1b.batch.bin

Last Calib Update 2/2/2018 10:43 AM **Analyst Name** ISP TOX

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



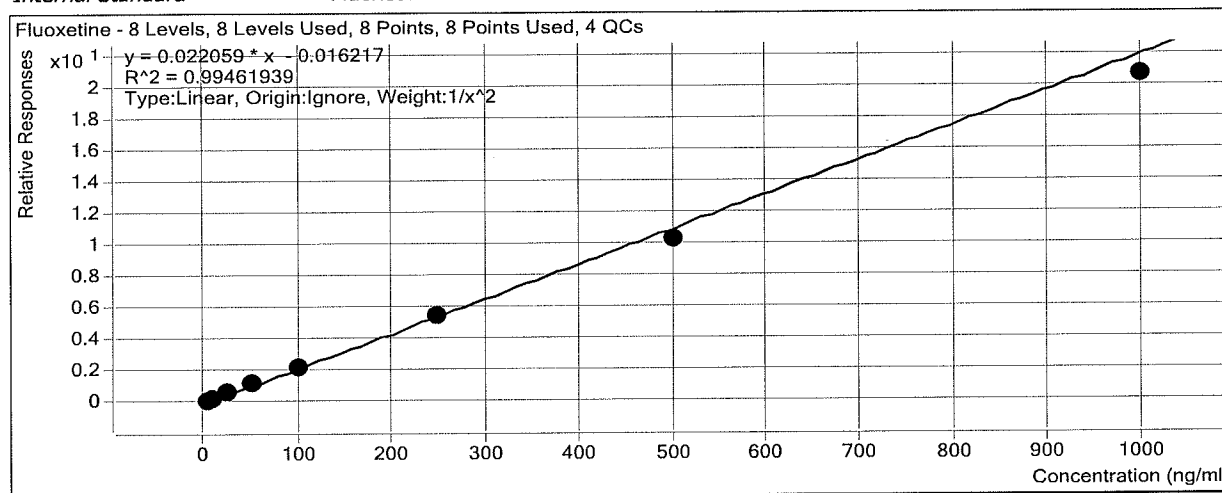
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input type="checkbox"/>	0.5	0.0	1.0
b cal 2-10ng	2	<input type="checkbox"/>	1	0.8	77.6
b QC 10	2	<input type="checkbox"/>	1	0.5	50.6
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.6	102.4
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.7	94.4
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	10.0	100.0
b qc 100	5	<input checked="" type="checkbox"/>	10	10.3	103.0
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	26.3	105.3
b QC 250	6	<input checked="" type="checkbox"/>	25	25.7	102.7
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	49.0	98.0
b cal 8-1000ng	8	<input type="checkbox"/>	100	77.2	77.2
b qc 1000	8	<input type="checkbox"/>	100	85.4	85.4

ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\02012018 mdq\QuantResults\02012018 mdq p1b.batch.bin

Last Calib Update 2/2/2018 10:43 AM **Analyst Name** ISP TOX

Target Compound Fluoxetine
Internal Standard Fluoxetine-D6



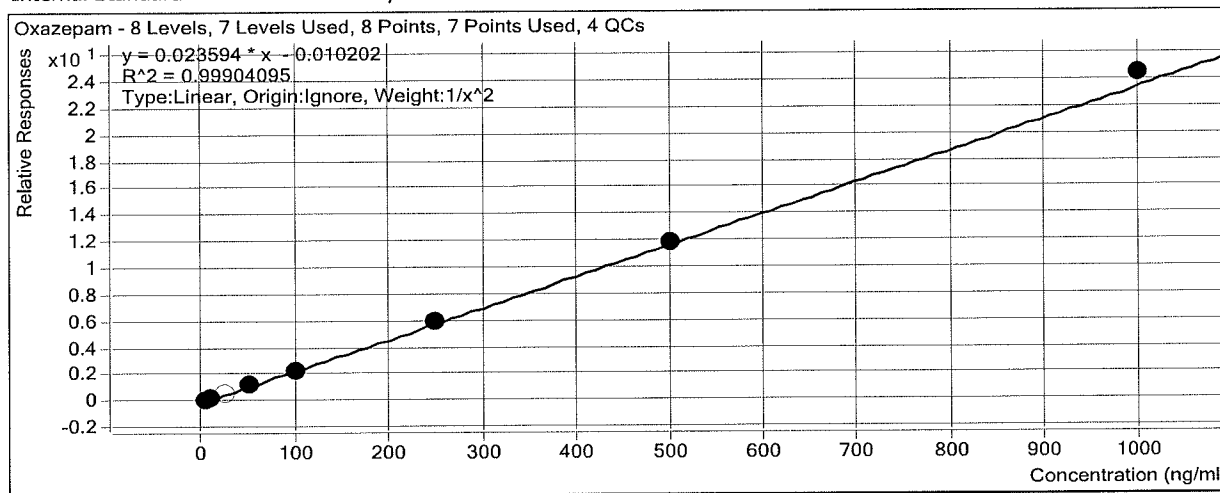
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.7	93.5
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	11.1	111.3
b QC 10	2	<input checked="" type="checkbox"/>	10	11.5	115.3
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.5	102.1
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.6	105.2
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.7	100.7
b qc 100	5	<input checked="" type="checkbox"/>	100	99.6	99.6
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	250.3	100.1
b QC 250	6	<input checked="" type="checkbox"/>	250	230.3	92.1
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	467.9	93.6
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	935.2	93.5
b qc 1000	8	<input checked="" type="checkbox"/>	1000	932.7	93.3

ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\02012018 mdq\QuantResults\02012018 mdq p1b.batch.bin

Last Calib Update 2/2/2018 10:43 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	5.0	100.6
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	99.0
b QC 10	2	<input checked="" type="checkbox"/>	10	9.9	98.8
b cal 3-25ng	3	<input type="checkbox"/>	25	24.1	96.5
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.6	101.2
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	94.7	94.7
b qc 100	5	<input checked="" type="checkbox"/>	100	104.7	104.7
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	250.0	100.0
b QC 250	6	<input checked="" type="checkbox"/>	250	246.0	98.4
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	504.3	100.9
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1036.7	103.7
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1078.2	107.8

Dropped, ratio out of range, also 2nd transition integrating peak, 0.19 minutes later. *[Signature]*

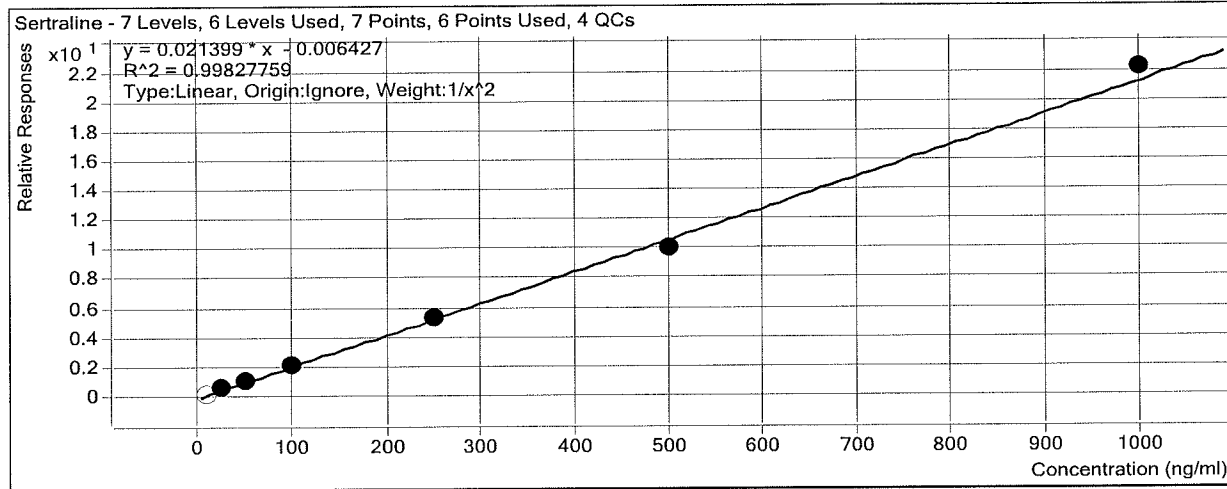
[Signature]

ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\02012018 mdq\QuantResults\02012018 mdq p1b.batch.bin

Last Calib Update 2/2/2018 10:43 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	0.0	0.0
b cal 2-10ng	2	<input type="checkbox"/>	10	9.8	97.7
b QC 10	2	<input type="checkbox"/>	10	10.3	103.3
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.7	98.7
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.7	103.3
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.3	99.3
b qc 100	5	<input checked="" type="checkbox"/>	100	108.9	108.9
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	251.0	100.4
b QC 250	6	<input checked="" type="checkbox"/>	250	227.1	90.9
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	473.4	94.7
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1036.8	103.7
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1057.4	105.7

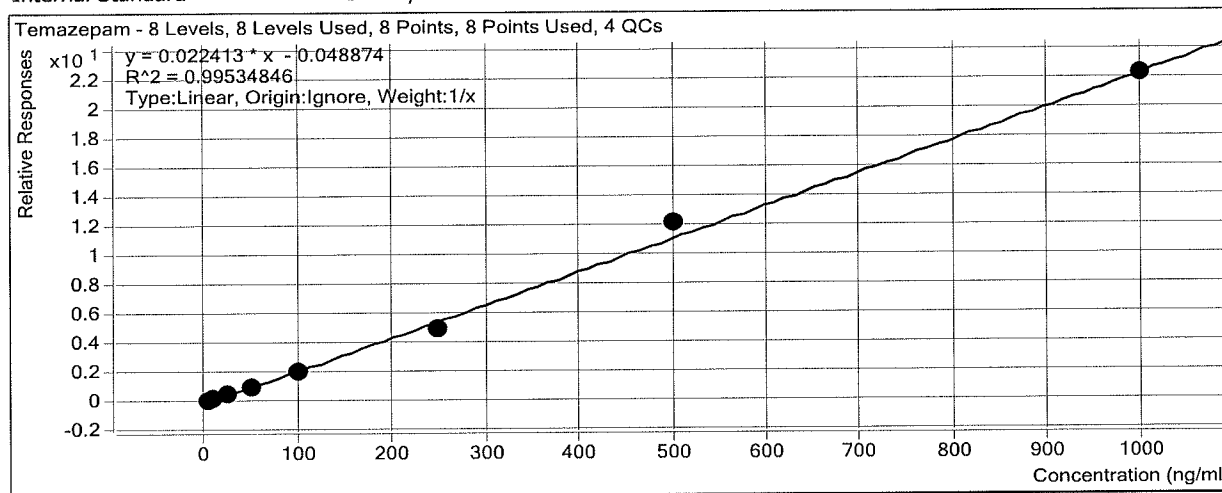
ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\02012018 mdq\QuantResults\02012018 mdq p1b.batch.bin

Last Calib Update 2/2/2018 10:43 AM **Analyst Name** ISP TOX

Target Compound *Temazepam*

Internal Standard *Temazepam-D5*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	6.2	124.1
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	100.2
b QC 10	2	<input checked="" type="checkbox"/>	10	10.5	105.2
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.4	93.6
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.1	92.2
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	91.3	91.3
b qc 100	5	<input checked="" type="checkbox"/>	100	94.1	94.1
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	225.0	90.0
b QC 250	6	<input checked="" type="checkbox"/>	250	222.5	89.0
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	546.2	109.2
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	991.7	99.2
b qc 1000	8	<input checked="" type="checkbox"/>	1000	987.8	98.8

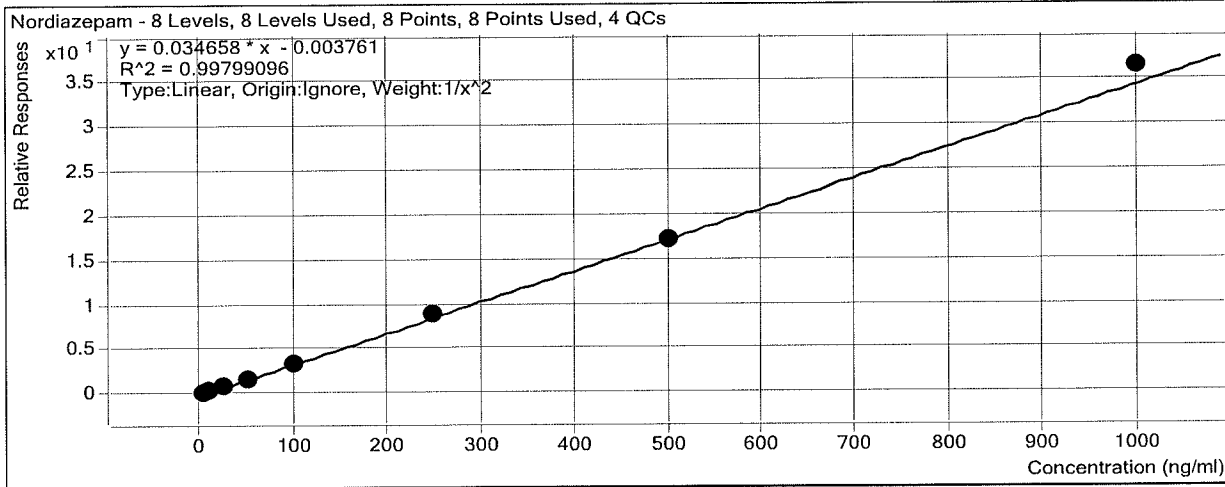
ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\02012018 mdq\QuantResults\02012018 mdq p1b.batch.bin

Last Calib Update 2/2/2018 10:43 AM **Analyst Name** ISP TOX

Target Compound Nordiazepam

Internal Standard Nordiazepam-D5



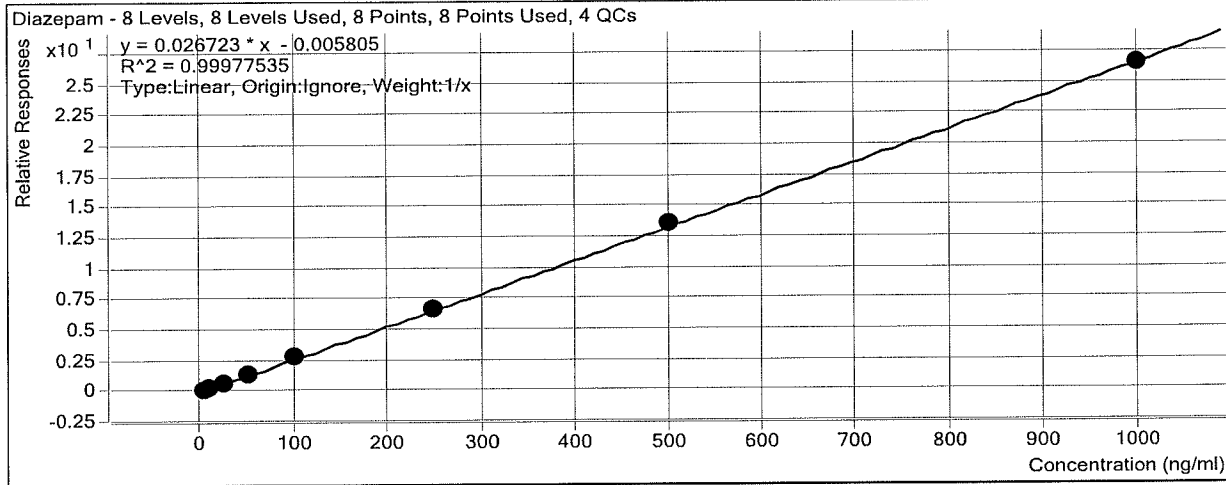
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.3
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	100.3
b QC 10	2	<input checked="" type="checkbox"/>	10	9.5	95.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.4	101.8
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.1	92.3
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.3	97.3
b qc 100	5	<input checked="" type="checkbox"/>	100	107.0	107.0
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	256.9	102.8
b QC 250	6	<input checked="" type="checkbox"/>	250	242.0	96.8
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	499.8	100.0
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1053.1	105.3
b qc 1000	8	<input checked="" type="checkbox"/>	1000	934.9	93.5

ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\02012018 mdq\QuantResults\02012018 mdq p1b.batch.bin

Last Calib Update 2/2/2018 10:43 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	98.5
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.2	101.9
b QC 10	2	<input checked="" type="checkbox"/>	10	10.1	101.2
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.4	97.4
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.6	99.3
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.2	103.2
b qc 100	5	<input checked="" type="checkbox"/>	100	109.9	109.9
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	246.7	98.7
b QC 250	6	<input checked="" type="checkbox"/>	250	264.2	105.7
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	509.0	101.8
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	991.9	99.2
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1003.2	100.3

ISP FORENSICS - Cd'A Instrument # 62340

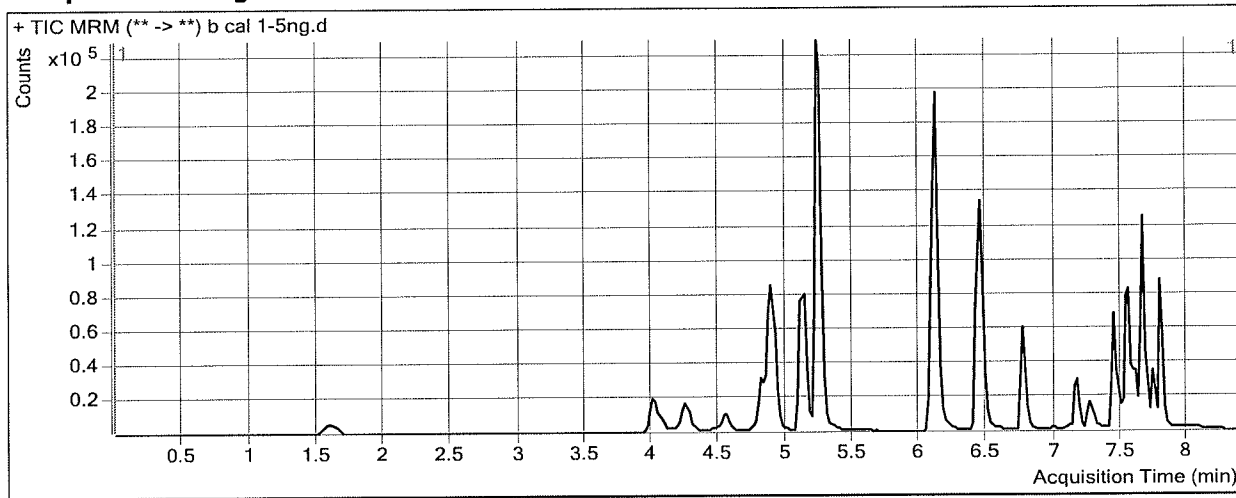
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2018 Data\02012018 mdq\QuantResults\02012018 mdq p1b.batch.bin
Analysis Time 2/2/2018 10:43 AM **Analyst Name** ISP Tox
Report Time 2/2/2018 10:49 AM **Reporter Name** ISP Tox
Last Calib Update 2/2/2018 10:43 AM **Batch State** Processed

Analysis Info

Acq Time 2018-02-01 11:31 **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	3906	34865	0.1120	5.3982
Dihydrocodeine	Dihydrocodeine-D6	4.075	7741	83998	0.0922	4.2706
Naloxone	Naloxone-D5	4.310	4772	75208	0.0635	5.0119
Noroxycodone	Noroxycodone-D3	4.578	4953	40898	0.1211	5.3929
Naltrexone	Naltrexone-D3	4.830	10822	102320	0.1058	5.0566
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.944	3171	309255	0.0103	0.5145
Naltrexol	Naltrexol-D3	5.130	30227	233042	0.1297	4.1176
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.259	76564	723171	0.1059	4.7503
Ketamine	Ketamine-D4	6.095	27752	233881	0.1187	4.9338
Norfentanyl	Norfentanyl-D5	6.140	4572	472744	0.0097	0.9082
alpha-PVP	alpha-PVP-d8	6.447	42167	357703	0.1179	4.9588
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.780	1551	175517	0.0088	0.5393
Norbuprenorphine	Norbuprenorphine-D3	7.113	58	5640	0.0102	0.6020
Fentanyl	Fentanyl-D5	7.158	861	84515	0.0102	0.5165
EDDP	EDDP-D3	7.269	2711	30776	0.0881	5.5534
Quetiapine	Quetiapine-D8	7.438	29325	84950	0.3452	4.9508
Sufentanil	Sufentanil-D5	7.437	443	35846	0.0124	0.4771
Cyclobenzaprine	Cyclobenzaprine-D3	7.512	2541	25448	0.0998	5.0600
Methadone	Methadone-D9	7.543	12464	169226	0.0737	4.8871
Buprenorphine	Buprenorphine-D4	7.575	364	30727	0.0119	0.0049
Fluoxetine	Fluoxetine-D6	7.584	3794	43668	0.0869	4.6735
Oxazepam	Oxazepam-D5	7.609	4823	44440	0.1085	5.0322
Temazepam	Temazepam-D5	7.667	21860	242275	0.0902	6.2063

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

PI b cal 1

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Nordiazepam	Nordiazepam-D5	7.755	9946	58483	0.1701	5.0157
Diazepam	Diazepam-D5	7.810	19818	157476	0.1258	4.9265

ISP FORENSICS - Cd'A Instrument # 62340

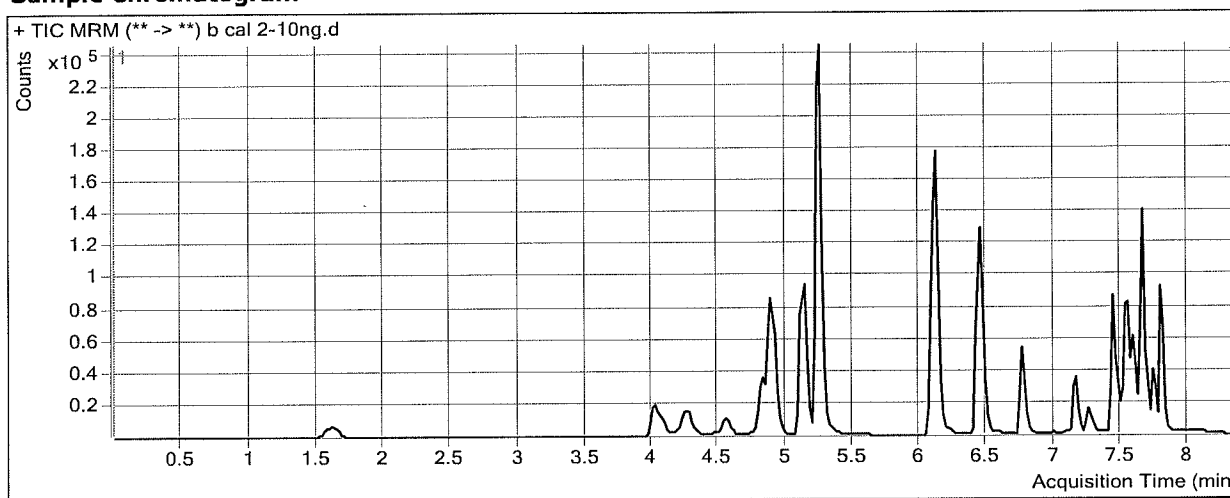
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2018 Data\02012018 mdq\QuantResults\02012018 mdq p1b.batch.bin
Analysis Time 2/2/2018 10:43 AM **Analyst Name** ISP Tox
Report Time 2/2/2018 10:49 AM **Reporter Name** ISP Tox
Last Calib Update 2/2/2018 10:43 AM **Batch State** Processed

Analysis Info

Acq Time 2018-02-01 11:56 **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	1.648	7717	34554	0.2233	9.9190
Dihydrocodeine	Dihydrocodeine-D6	4.095	15151	81614	0.1856	9.2564
Naloxone	Naloxone-D5	4.330	9615	74479	0.1291	9.9247
Noroxycodone	Noroxycodone-D3	4.578	9250	41159	0.2247	9.6695
Naltrexone	Naltrexone-D3	4.830	20602	100741	0.2045	9.5934
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.964	6085	295923	0.0206	0.9580
Naltrexol	Naltrexol-D3	5.130	59410	229510	0.2589	9.2812
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.259	148017	696007	0.2127	9.8475
Ketamine	Ketamine-D4	6.095	53459	213071	0.2509	10.1549
Norfentanyl	Norfentanyl-D5	6.140	7850	409316	0.0192	1.3393
alpha-PVP	alpha-PVP-d8	6.447	73745	301095	0.2449	10.0731
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.780	3019	157453	0.0192	1.0429
Norbuprenorphine	Norbuprenorphine-D3	7.113	33	3865	0.0084	0.5114
Fentanyl	Fentanyl-D5	7.158	2064	101580	0.0203	0.9787
EDDP	EDDP-D3	7.269	4844	24838	0.1950	10.1056
Quetiapine	Quetiapine-D8	7.438	53760	73895	0.7275	10.0650
Sufentanil	Sufentanil-D5	7.458	1406	53278	0.0264	1.1236
Cyclobenzaprine	Cyclobenzaprine-D3	7.512	7929	37777	0.2099	9.6804
Methadone	Methadone-D9	7.543	24340	145673	0.1671	10.3011
Buprenorphine	Buprenorphine-D4	7.575	757	27619	0.0274	0.7757
Fluoxetine	Fluoxetine-D6	7.584	18391	80216	0.2293	11.1282
Oxazepam	Oxazepam-D5	7.609	9463	42381	0.2233	9.8954
Sertraline	Sertraline-D3	7.645	4133	20394	0.2027	9.7714

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

PI b cal 2

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Temazepam	Temazepam-D5	7.667	41292	234890	0.1758	10.0238
Nordiazepam	Nordiazepam-D5	7.735	19715	57327	0.3439	10.0311
Diazepam	Diazepam-D5	7.810	39352	147694	0.2664	10.1878

ISP FORENSICS - Cd'A Instrument # 62340

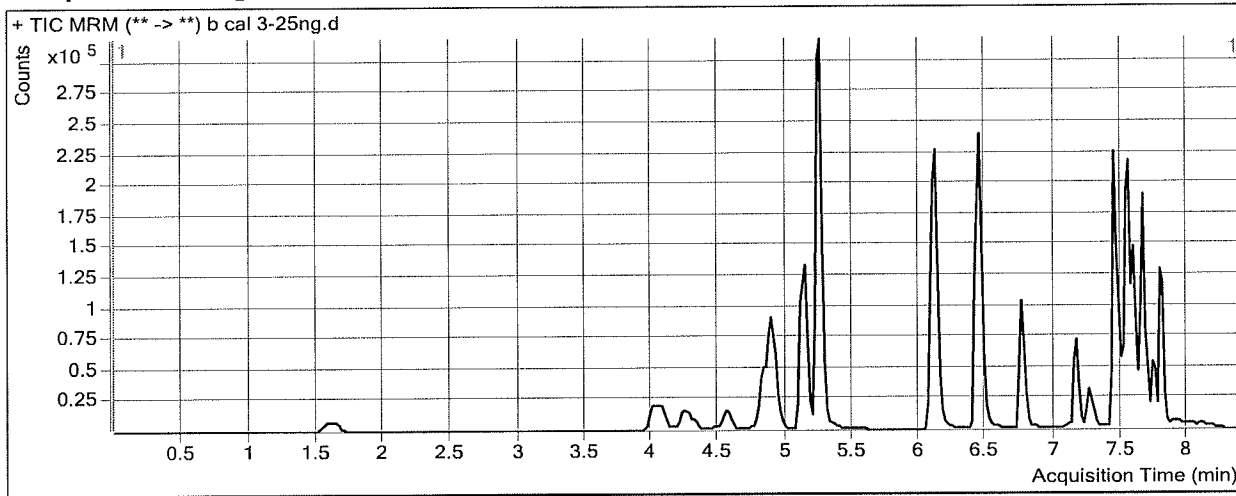
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2018 Data\02012018 mdq\QuantResults\02012018 mdq p1b.batch.bin
Analysis Time 2/2/2018 10:43 AM **Analyst Name** ISP Tox
Report Time 2/2/2018 10:49 AM **Reporter Name** ISP Tox
Last Calib Update 2/2/2018 10:43 AM **Batch State** Processed

Analysis Info

Acq Time 2018-02-01 12:22 **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	1.648	20037	34059	0.5883	24.7450
Dihydrocodeine	Dihydrocodeine-D6	4.075	40656	80946	0.5023	26.1419
Naloxone	Naloxone-D5	4.310	24477	74480	0.3286	24.8579
Noroxycodone	Noroxycodone-D3	4.578	25497	41749	0.6107	25.5964
Naltrexone	Naltrexone-D3	4.830	55794	99404	0.5613	25.9872
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.944	16947	307349	0.0551	2.4454
Naltrexol	Naltrexol-D3	5.130	156788	227029	0.6906	26.5433
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.259	391403	730212	0.5360	25.2805
Ketamine	Ketamine-D4	6.095	147395	231969	0.6354	25.3356
Norfentanyl	Norfentanyl-D5	6.140	23615	472338	0.0500	2.7370
alpha-PVP	alpha-PVP-d8	6.447	248300	394974	0.6286	25.5209
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.780	14216	292013	0.0487	2.4810
Norbuprenorphine	Norbuprenorphine-D3	7.093	398	7432	0.0536	2.8279
Fentanyl	Fentanyl-D5	7.158	10368	194886	0.0532	2.4784
EDDP	EDDP-D3	7.269	23470	44957	0.5221	24.0300
Quetiapine	Quetiapine-D8	7.438	216512	115024	1.8823	25.5125
Sufentanil	Sufentanil-D5	7.437	5496	101910	0.0539	2.3931
Cyclobenzaprine	Cyclobenzaprine-D3	7.512	40362	69805	0.5782	25.1448
Methadone	Methadone-D9	7.543	121433	273098	0.4446	26.3835
Buprenorphine	Buprenorphine-D4	7.575	3568	56234	0.0634	2.5597
Fluoxetine	Fluoxetine-D6	7.584	94818	173327	0.5470	25.5341
Oxazepam	Oxazepam-D5	7.609	22042	39418	0.5592	24.1324
Sertraline	Sertraline-D3	7.645	20617	39540	0.5214	24.6666

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

PI b cal 3

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Temazepam	Temazepam-D5	7.667	106208	223193	0.4759	23.4115
Nordiazepam	Nordiazepam-D5	7.755	46682	53160	0.8781	25.4457
Diazepam	Diazepam-D5	7.810	102073	158267	0.6449	24.3514



ISP FORENSICS - Cd'A Instrument # 62340

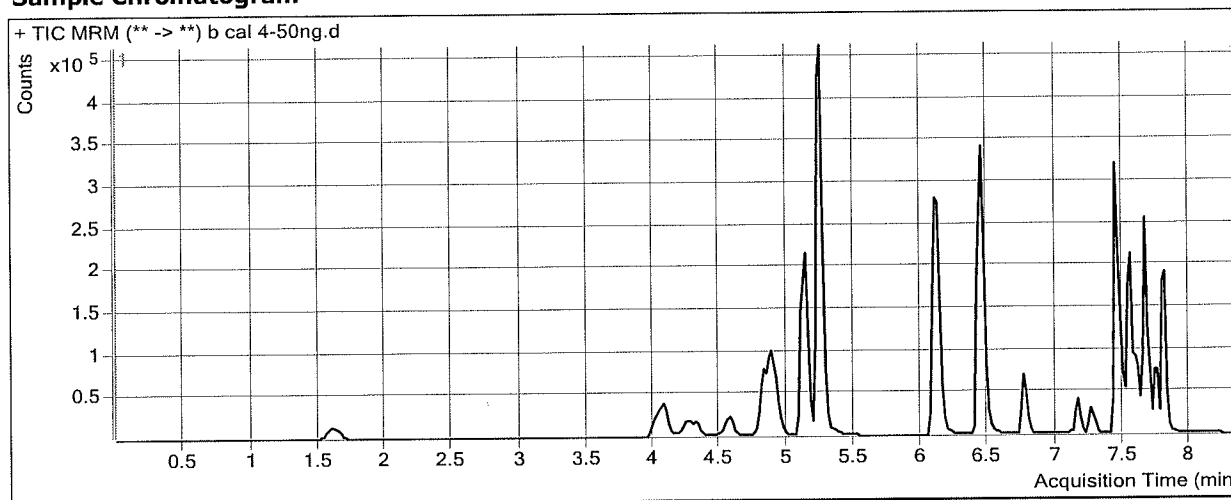
Multi-Drug Confirmatory Analysis Report

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Analysis Time 2/2/2018 10:43 AM **Analyst Name** ISP Tox
Report Time 2/2/2018 10:49 AM **Reporter Name** ISP Tox
Last Calib Update 2/2/2018 10:43 AM **Batch State** Processed

Analysis Info

Acq Time 2018-02-01 12:47 **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	41523	35807	1.1596	47.9550
Dihydrocodeine	Dihydrocodeine-D6	4.075	85159	86507	0.9844	51.8571
Naloxone	Naloxone-D5	4.310	53386	79204	0.6740	50.7066
Noroxycodone	Noroxycodone-D3	4.578	51668	44839	1.1523	47.9437
Naltrexone	Naltrexone-D3	4.830	115905	106185	1.0915	50.3519
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.944	35840	327500	0.1094	4.7810
Naltrexol	Naltrexol-D3	5.130	328522	243035	1.3517	52.9765
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.259	823740	774530	1.0635	50.4588
Ketamine	Ketamine-D4	6.095	305231	237790	1.2836	50.9274
Norfentanyl	Norfentanyl-D5	6.140	47778	485958	0.0983	4.9286
alpha-PVP	alpha-PVP-d8	6.447	490102	399905	1.2255	49.5505
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.780	17602	188425	0.0934	4.6612
Norbuprenorphine	Norbuprenorphine-D3	7.093	456	5571	0.0818	4.2742
Fentanyl	Fentanyl-D5	7.158	11090	98873	0.1122	5.1683
EDDP	EDDP-D3	7.269	31781	29582	1.0743	47.5439
Quetiapine	Quetiapine-D8	7.438	404125	106528	3.7936	51.0789
Sufentanil	Sufentanil-D5	7.437	5162	50745	0.1017	4.5964
Cyclobenzaprine	Cyclobenzaprine-D3	7.512	37892	31834	1.1903	50.8455
Methadone	Methadone-D9	7.543	157282	194760	0.8076	47.4122
Buprenorphine	Buprenorphine-D4	7.575	3950	36902	0.1070	4.7185
Fluoxetine	Fluoxetine-D6	7.584	81580	71295	1.1443	52.6073
Oxazepam	Oxazepam-D5	7.609	41862	35371	1.1835	50.5940
Sertraline	Sertraline-D3	7.645	18908	17206	1.0989	51.6532

ISP FORENSICS - Cd'A Instrument # 62340 *pl b caly*
Multi-Drug Confirmatory Analysis Report

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Temazepam	Temazepam-D5	7.667	222929	226406	0.9846	46.1117
Nordiazepam	Nordiazepam-D5	7.755	91414	57302	1.5953	46.1378
Diazepam	Diazepam-D5	7.810	214263	162220	1.3208	49.6429



ISP FORENSICS - Cd'A Instrument # 62340

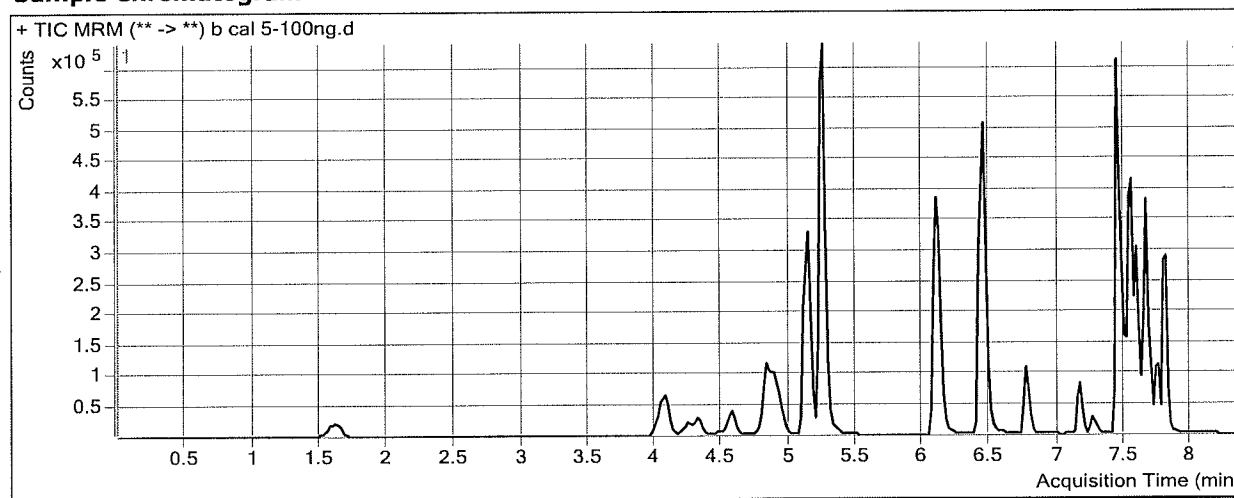
Multi-Drug Confirmatory Analysis Report

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Analysis Time 2/2/2018 10:43 AM **Analyst Name** ISP Tox
Report Time 2/2/2018 10:49 AM **Reporter Name** ISP Tox
Last Calib Update 2/2/2018 10:43 AM **Batch State** Processed

Analysis Info

Acq Time 2018-02-01 13:13 **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	1.628	79126	32796	2.4127	98.8567
Dihydrocodeine	Dihydrocodeine-D6	4.075	160348	77143	2.0786	110.2113
Naloxone	Naloxone-D5	4.310	96317	70809	1.3602	102.0606
Noroxycodone	Noroxycodone-D3	4.578	95367	39009	2.4447	101.2739
Naltrexone	Naltrexone-D3	4.830	206123	93465	2.2053	101.5310
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.944	68083	304636	0.2235	9.6873
Naltrexol	Naltrexol-D3	5.130	610223	220196	2.7713	109.7310
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.259	1506821	689845	2.1843	103.9517
Ketamine	Ketamine-D4	6.095	570127	220862	2.5814	102.1638
Norfentanyl	Norfentanyl-D5	6.140	91694	453484	0.2022	9.6398
alpha-PVP	alpha-PVP-d8	6.447	906570	354821	2.5550	103.0712
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.780	48895	250853	0.1949	9.6075
Norbuprenorphine	Norbuprenorphine-D3	7.093	1487	6019	0.2470	12.7449
Fentanyl	Fentanyl-D5	7.158	38523	180558	0.2134	9.7844
EDDP	EDDP-D3	7.269	35436	18162	1.9511	84.8720
Quetiapine	Quetiapine-D8	7.438	820306	108022	7.5939	101.9139
Sufentanil	Sufentanil-D5	7.437	22723	104561	0.2173	9.9240
Cyclobenzaprine	Cyclobenzaprine-D3	7.512	169525	66498	2.5493	107.9052
Methadone	Methadone-D9	7.543	409149	227463	1.7987	104.8434
Buprenorphine	Buprenorphine-D4	7.575	10155	47520	0.2137	10.0005
Fluoxetine	Fluoxetine-D6	7.584	396575	179863	2.2049	100.6870
Oxazepam	Oxazepam-D5	7.609	65604	29506	2.2234	94.6656
Sertraline	Sertraline-D3	7.645	93208	44017	2.1175	99.2538

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

Al b cal S

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Temazepam	Temazepam-D5	7.667	402703	201510	1.9984	91.3429
Nordiazepam	Nordiazepam-D5	7.755	154677	45922	3.3683	97.2933
Diazepam	Diazepam-D5	7.810	395153	143566	2.7524	103.2143



ISP FORENSICS - Cd'A Instrument # 62340

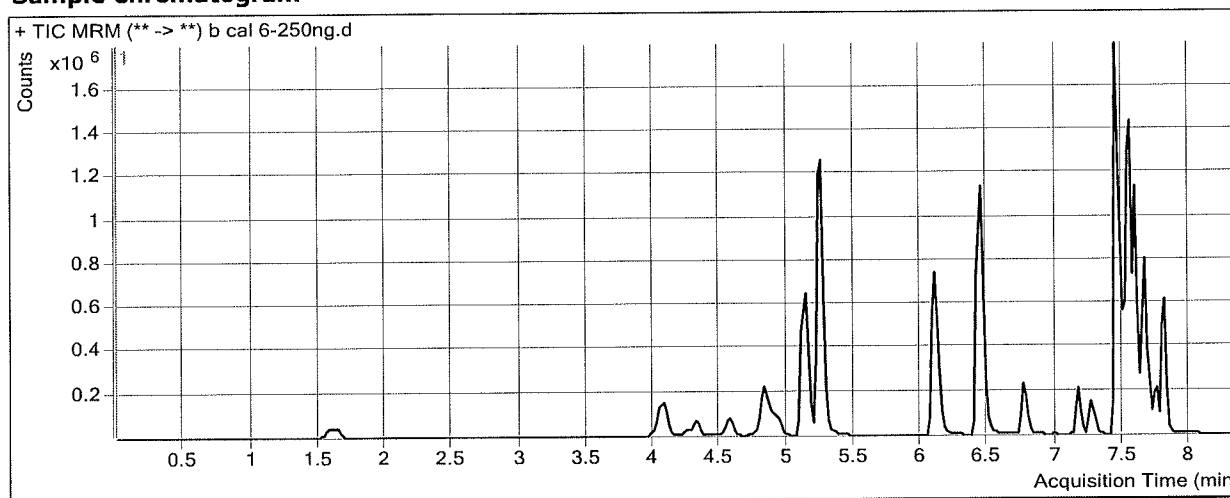
Multi-Drug Confirmatory Analysis Report

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Report Time 2/2/2018 10:49 AM **Reporter Name** ISP Tox
Last Calib Update 2/2/2018 10:43 AM **Batch State** Processed

Analysis Info

Acq Time 2018-02-01 13:38 **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	1.628	191039	31893	5.9900	244.1793
Dihydrocodeine	Dihydrocodeine-D6	4.075	391552	79024	4.9549	263.6094
Naloxone	Naloxone-D5	4.310	243129	71613	3.3950	254.3429
Noroxycodone	Noroxycodone-D3	4.578	227548	39483	5.7632	238.2083
Naltrexone	Naltrexone-D3	4.830	464873	86345	5.3839	247.5819
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.944	165442	283818	0.5829	25.1485
Naltrexol	Naltrexol-D3	5.130	1412434	213946	6.6018	262.8814
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.259	3699352	701257	5.2753	251.4842
Ketamine	Ketamine-D4	6.095	1439822	222122	6.4821	256.1688
Norfentanyl	Norfentanyl-D5	6.140	226762	441396	0.5137	23.7690
alpha-PVP	alpha-PVP-d8	6.447	2367877	378865	6.2499	251.8189
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.780	208096	410833	0.5065	24.7933
Norbuprenorphine	Norbuprenorphine-D3	7.093	5249	10534	0.4983	25.6298
Fentanyl	Fentanyl-D5	7.158	170422	314255	0.5423	24.7899
EDDP	EDDP-D3	7.269	264022	39737	6.6443	284.6880
Quetiapine	Quetiapine-D8	7.438	2632275	143421	18.3535	245.8423
Sufentanil	Sufentanil-D5	7.437	109394	190844	0.5732	26.3284
Cyclobenzaprine	Cyclobenzaprine-D3	7.512	731831	133234	5.4928	231.4917
Methadone	Methadone-D9	7.543	1623223	386892	4.1956	243.7201
Buprenorphine	Buprenorphine-D4	7.575	40630	74790	0.5433	26.3205
Fluoxetine	Fluoxetine-D6	7.584	1789387	325098	5.5041	250.2511
Oxazepam	Oxazepam-D5	7.609	131636	22354	5.8888	250.0167
Sertraline	Sertraline-D3	7.645	390364	72757	5.3653	251.0256

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

P1 b cal 6

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Temazepam	Temazepam-D5	7.667	866839	173536	4.9952	225.0463
Nordiazepam	Nordiazepam-D5	7.755	324240	36432	8.8998	256.8963
Diazepam	Diazepam-D5	7.810	902862	137059	6.5874	246.7222



ISP FORENSICS - Cd'A Instrument # 62340

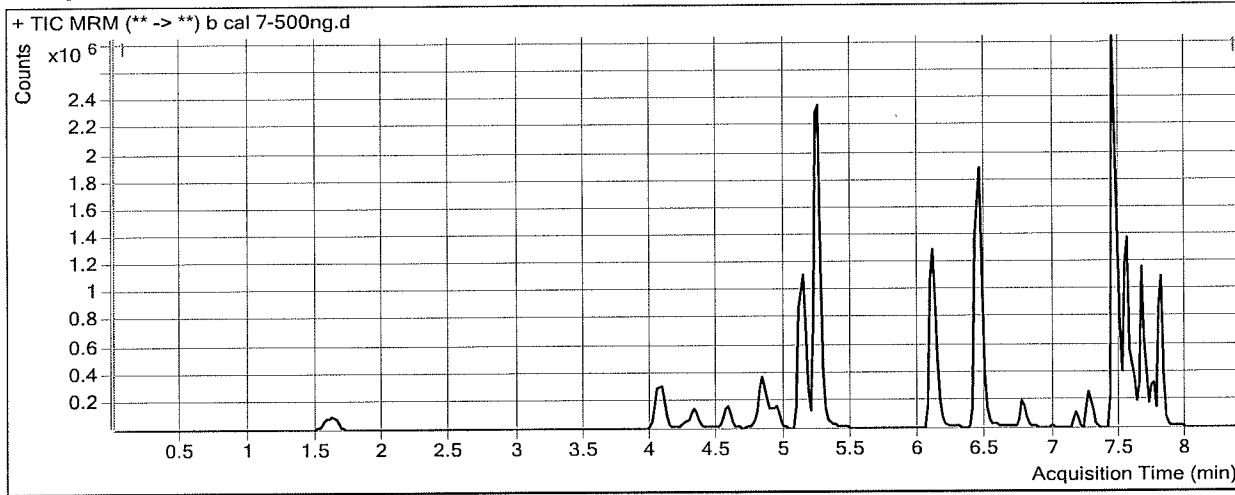
Multi-Drug Confirmatory Analysis Report

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Report Time 2/2/2018 10:49 AM **Reporter Name** ISP Tox
Last Calib Update 2/2/2018 10:43 AM **Batch State** Processed

Analysis Info

Acq Time 2018-02-01 14:04 **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	1.628	431874	34777	12.4185	505.3234
Dihydrocodeine	Dihydrocodeine-D6	4.075	809023	85125	9.5039	506.2206
Naloxone	Naloxone-D5	4.310	491250	74497	6.5942	493.7644
Noroxycodone	Noroxycodone-D3	4.578	463404	38719	11.9685	494.2612
Naltrexone	Naltrexone-D3	4.830	841991	78178	10.7702	495.0779
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.944	368194	296870	1.2403	53.4249
Naltrexol	Naltrexol-D3	5.130	2687213	212811	12.6272	503.7860
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.259	7665226	723857	10.5894	505.1228
Ketamine	Ketamine-D4	6.095	2780829	229814	12.1003	477.9807
Norfentanyl	Norfentanyl-D5	6.140	462136	431446	1.0711	49.0484
alpha-PVP	alpha-PVP-d8	6.447	4221557	347657	12.1429	489.0547
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.780	231553	229604	1.0085	49.2560
Norbuprenorphine	Norbuprenorphine-D3	7.093	5553	5433	1.0221	52.4900
Fentanyl	Fentanyl-D5	7.158	121384	105936	1.1458	52.3207
EDDP	EDDP-D3	7.269	495312	42671	11.6076	496.0060
Quetiapine	Quetiapine-D8	7.438	4548571	123837	36.7303	491.6623
Sufentanil	Sufentanil-D5	7.437	58072	53351	1.0885	50.0791
Cyclobenzaprine	Cyclobenzaprine-D3	7.512	366971	32000	11.4680	482.3671
Methadone	Methadone-D9	7.543	1699840	201809	8.4230	488.6687
Buprenorphine	Buprenorphine-D4	7.575	32541	32516	1.0008	48.9775
Fluoxetine	Fluoxetine-D6	7.584	568797	55192	10.3058	467.9199
Oxazepam	Oxazepam-D5	7.609	259688	21842	11.8896	504.3468
Sertraline	Sertraline-D3	7.645	128244	12667	10.1241	473.4039

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

pl b cal 7

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Temazepam	Temazepam-D5	7.667	1774392	145522	12.1933	546.1988
Nordiazepam	Nordiazepam-D5	7.755	523599	30235	17.3178	499.7824
Diazepam	Diazepam-D5	7.810	1690458	124328	13.5967	509.0148

ISP FORENSICS - Cd'A Instrument # 62340

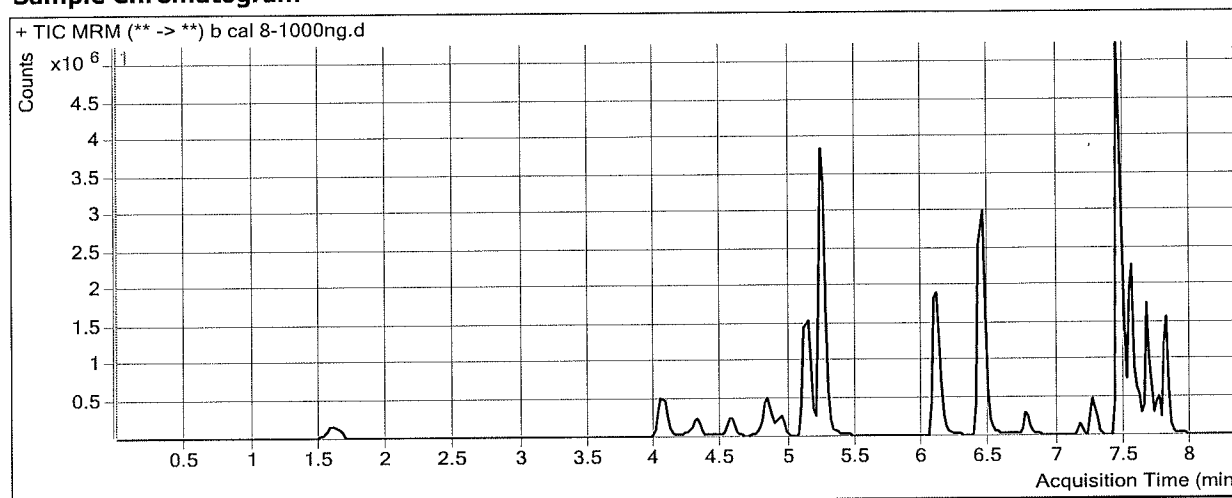
Multi-Drug Confirmatory Analysis Report

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Report Time 2/2/2018 10:49 AM **Reporter Name** ISP Tox
Last Calib Update 2/2/2018 10:43 AM **Batch State** Processed

Analysis Info

Acq Time 2018-02-01 14:29 **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	1.628	744717	30169	24.6849	1003.6234
Dihydrocodeine	Dihydrocodeine-D6	4.055	1339839	73737	18.1705	968.4328
Naloxone	Naloxone-D5	4.310	830584	64021	12.9737	971.1934
Noroxycodone	Noroxycodone-D3	4.558	782071	31724	24.6526	1017.6541
Naltrexone	Naltrexone-D3	4.830	1244931	57968	21.4763	987.0183
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.944	664586	268478	2.4754	106.5560
Naltrexol	Naltrexol-D3	5.130	4167043	171447	24.3051	970.6830
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.239	12663208	610878	20.7295	989.1042
Ketamine	Ketamine-D4	6.075	4773308	195644	24.3980	963.5027
Norfentanyl	Norfentanyl-D5	6.140	806229	358802	2.2470	102.3772
alpha-PVP	alpha-PVP-d8	6.447	7332403	303441	24.1641	972.9992
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.760	443721	213025	2.0829	101.6187
Norbuprenorphine	Norbuprenorphine-D3	7.093	8548	4622	1.8495	94.9198
Fentanyl	Fentanyl-D5	7.158	186147	86711	2.1468	97.9796
EDDP	EDDP-D3	7.269	927852	40089	23.1446	987.2011
Quetiapine	Quetiapine-D8	7.438	8833469	121180	72.8956	975.4346
Sufentanil	Sufentanil-D5	7.437	102926	47464	2.1685	99.8599
Cyclobenzaprine	Cyclobenzaprine-D3	7.512	591302	24182	24.4517	1027.5054
Methadone	Methadone-D9	7.543	2836846	166435	17.0448	988.2350
Buprenorphine	Buprenorphine-D4	7.575	38388	24445	1.5704	77.1864
Fluoxetine	Fluoxetine-D6	7.584	768611	37285	20.6147	935.2491
Oxazepam	Oxazepam-D5	7.609	447736	18312	24.4508	1036.7255
Sertraline	Sertraline-D3	7.645	155128	6994	22.1809	1036.8256

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

pl b cal 8

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Temazepam	Temazepam-D5	7.667	2731928	123185	22.1775	991.6587
Nordiazepam	Nordiazepam-D5	7.755	775637	21254	36.4941	1053.0802
Diazepam	Diazepam-D5	7.810	2578460	97293	26.5021	991.9402

