

Worklist: 1626

central data reviewed on 3/27/17

B. Wylee

3/27/2017

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>	
C2017-0276	1	80269	AM 28 Blood Multi-Drug Quant	
C2017-0435	1	80270	AM 28 Blood Multi-Drug Quant	
C2017-0446	1	80271	AM 28 Blood Multi-Drug Quant	
C2017-0454	1	80272	AM 28 Blood Multi-Drug Quant	
C2017-0458	1	80273	AM 28 Blood Multi-Drug Quant	
C2017-0465	1	80274	AM 28 Blood Multi-Drug Quant	
C2017-0471	1	80275	AM 28 Blood Multi-Drug Quant	
C2017-0496	1	80276	AM 28 Blood Multi-Drug Quant	
C2017-0500	1	80277	AM 28 Blood Multi-Drug Quant	
C2017-0512	1	80278	AM 28 Blood Multi-Drug Quant	
C2017-0514	1	80279	AM 28 Blood Multi-Drug Quant	
C2017-0515	1	80280	AM 28 Blood Multi-Drug Quant	
C2017-0535	1	80281	AM 28 Blood Multi-Drug Quant	
M2017-0858	1	80282	AM 28 Blood Multi-Drug Quant	
M2017-0975	1	80283	AM 28 Blood Multi-Drug Quant	
M2017-1017	1	80284	AM 28 Blood Multi-Drug Quant	
M2017-1143	2	80285	AM 28 Blood Multi-Drug Quant	
P2017-0605	1	80286	AM 28 Blood Multi-Drug Quant	
P2017-0637	1	80287	AM 28 Blood Multi-Drug Quant	

A

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

Date: 3-23-17

Analyst: Anne Nord

PRE-ANALYTIC

Plate Lot# 0498367

Plate Exp. 1/26/2018

1. Ensure all solutions are within expiration date.

Mobile Phase A:

0.5M Ammonium Hydroxide

5mM Amm Form +0.01% FA

Mobile Phase B:

Ethyl Acetate

0.01% FA in MeOH

20% Methanol

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

- ✓ 2. Check levels of mobile phases and needle wash and refill as necessary. Ensure waste is not full.
- ✓ 3. Begin mobile phase flow and allow system to equilibrate for approx. 30 minutes.
- ✓ 4. Create worklist. Data path name: 32317 Mdg Panel 1 amn

ANALYTIC

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

POST-ANALYTIC

- ✓ 1. Open quantitation software and create a new quantitation batch.
Batch name: 32317 Mdg 1b
32317 Mdg 1a
- ✓ 2. Make any necessary changes. Limit curves based on validated linear ranges.
- ✓ 3. Were all appropriate standards used in the curve for each analyte? Y/N
Are r^2 values ≥ 0.98 for each analyte? Y/N
- ✓ 4. For unknown samples, are the response ratios for each analyte within $\pm 20\%$ of the average ratios of the standards and QC's? Y/N
- ✓ 5. Did all QCs pass for each analyte? Y/N
- ✓ 6. Central File Packet to include: LIMS Worklist: Method Checklist Calibration and Control Reports

COMMENTS:

LOD - 6-Monoacetylmorphine 5ng - S/N too low on lower concentrations

LOD - Oxazepam 10ng - ratio off lower level

~~LOD - hydrocodone 10ng~~

LOD - Norfentanyl 1ng - ratio off lower level

Two calibrators removed from lorazepam curve tops cut off.

ISP FORENSICS - Cd'A Instrument # 62340

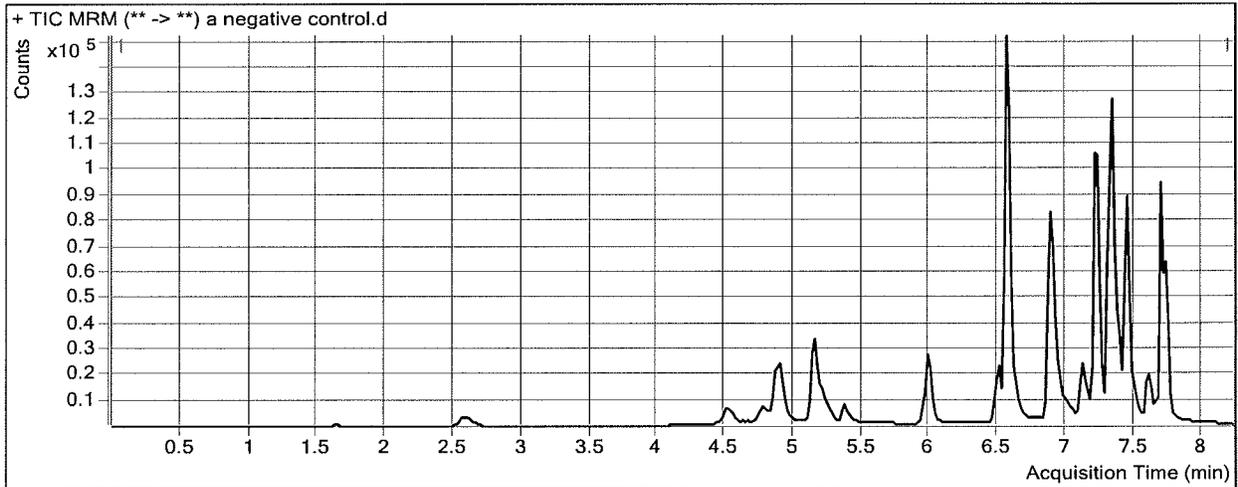
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq1a.batch.bin
Analysis Time 3/26/2017 8:00 AM **Analyst Name** ISP Tox
Report Time 3/26/2017 8:03 AM **Reporter Name** ISP Tox
Last Calib Update 3/26/2017 8:00 AM **Batch State** Processed

Analysis Info

Acq Time 2017-03-24 15:55 **Data File** a negative control.d
Sample Type Sample **Sample Name** a negative control
Dilution 1 **Acq Method** Quant Panel 1a 2-13-17.m
Position P1-F2 **Sample Info**
Inj Vol -1 **Comment** lot 321632-1; AM 28 Panel 1 Confirmation

Sample Chromatogram



ISP FORENSICS - Cd'A Instrument # 62340

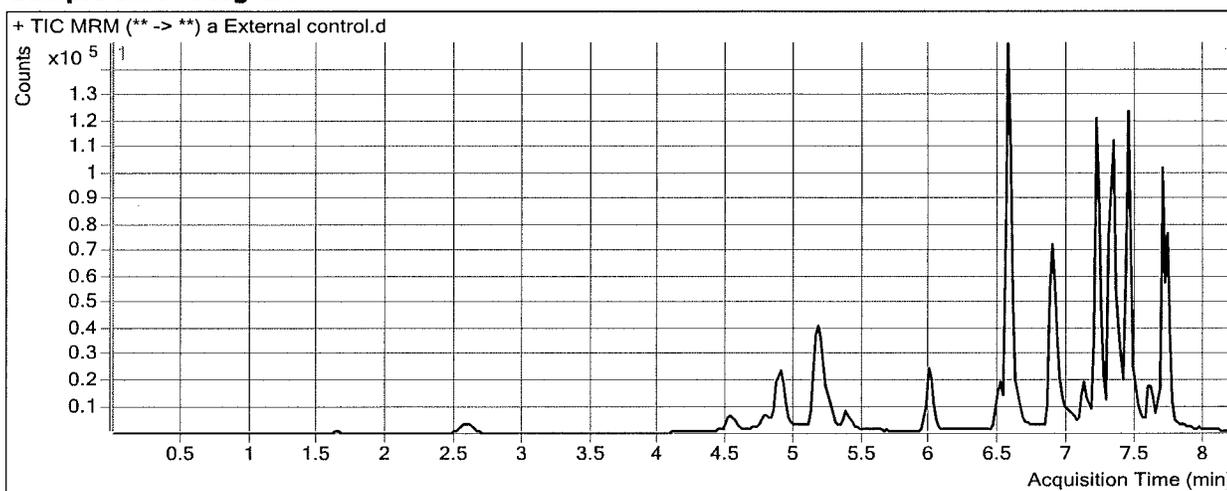
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq1a.batch.bin
Analysis Time 3/26/2017 8:00 AM **Analyst Name** ISP Tox
Report Time 3/26/2017 8:03 AM **Reporter Name** ISP Tox
Last Calib Update 3/26/2017 8:00 AM **Batch State** Processed

Analysis Info

Acq Time 2017-03-24 16:21 **Data File** a External control.d
Sample Type Sample **Sample Name** a External control
Dilution 1 **Acq Method** Quant Panel 1a 2-13-17.m
Position P1-G2 **Sample Info**
Inj Vol -1 **Comment** lot 51017 50 ng hydrocodone, diphenhydramine, lorazepam

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Hydrocodone	Hydrocodone-D6	5.195	48931	50762	0.9639	49.0510
Diphenhydramine	Diphenhydramine-D3	7.452	111760	99813	1.1197	50.1822
Lorazepam	Alprazolam-D5	7.723	14505	112131	0.1294	51.0680

ISP FORENSICS - Cd'A Instrument # 62340

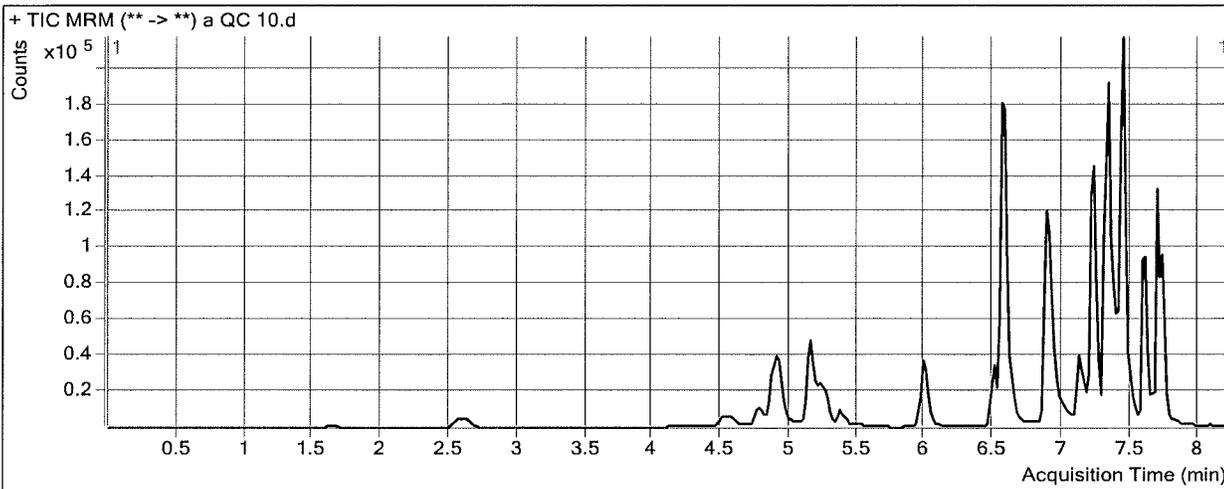
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq1a.batch.bin
Analysis Time 3/26/2017 8:00 AM **Analyst Name** ISP Tox
Report Time 3/26/2017 8:03 AM **Reporter Name** ISP Tox
Last Calib Update 3/26/2017 8:00 AM **Batch State** Processed

Analysis Info

Acq Time 2017-03-24 16:46 **Data File** a QC 10.d
Sample Type QC **Sample Name** a QC 10
Dilution 1 **Acq Method** Quant Panel 1a 2-13-17.m
Position P1-A2 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1 Confirmation

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.651	1743	1419	1.2284	9.2977
Hydromorphone	Hydromorphone-D6	2.608	8462	25094	0.3372	9.4010
Codeine	Codeine-D6	4.573	3815	12264	0.3111	11.3090
Amphetamine	Amphetamine-D11	4.924	68094	40455	1.6832	7.3443
Oxycodone	Oxycodone-D6	4.930	20307	76747	0.2646	10.2747
Hydrocodone	Hydrocodone-D6	5.195	11575	60847	0.1902	9.1247
Norhydrocodone	Norhydrocodone-D3	5.238	942	24356	0.0387	10.0478
Methamphetamine	Methamphetamine-D11	5.263	41636	122225	0.3406	8.2721
6-MAM	6-MAM-D6	5.389	701	22124	0.0317	1.1738
Phentermine	Phentermine-D5	6.026	8875	133737	0.0664	9.0526
Dextroprphan	Dextroprphan-D3	6.504	10936	80501	0.1359	9.1283
7-aminoclonazepam	7-Aminoclonazepam-D4	6.595	13906	57903	0.2402	8.5994
Tramadol	Tramadol-13C-D3	6.580	110744	484880	0.2284	8.7728
Doxylamine	Doxylamine-D5	6.903	83887	406832	0.2062	8.9268
Bupropion	Bupropion-D9	7.152	22740	94766	0.2400	10.1725
Zolpidem	Zolpidem-D6	7.223	71711	346840	0.2068	8.9141
Meprobamate	Meprobamate-D7	7.234	8501	38420	0.2213	9.9435
Venlafaxine	Venlafaxine-D6	7.326	96240	386933	0.2487	9.6900
Trazodone	Trazodone-D6	7.396	37632	148096	0.2541	8.8529
Citalopram	Citalopram-D6	7.418	39574	182813	0.2165	8.5863
Dextromethorphan	Dextromethorphan-D3	7.449	7472	33000	0.2264	8.8599
Diphenhydramine	Diphenhydramine-D3	7.452	54266	263363	0.2061	9.1636
Promethazine	Promethazine-D3	7.607	42866	210893	0.2033	9.2538

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

a QCID

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.623	7169	8929	0.8028	9.2158
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.681	3038	12248	0.2481	9.6129
Carisoprodol	Carisoprodol-D7	7.693	37040	193104	0.1918	9.7891
Lorazepam	Alprazolam-D5	7.723	2723	114773	0.0237	10.6074
Alprazolam	Alprazolam-D5	7.747	32303	114773	0.2815	9.7799



ISP FORENSICS - Cd'A Instrument # 62340

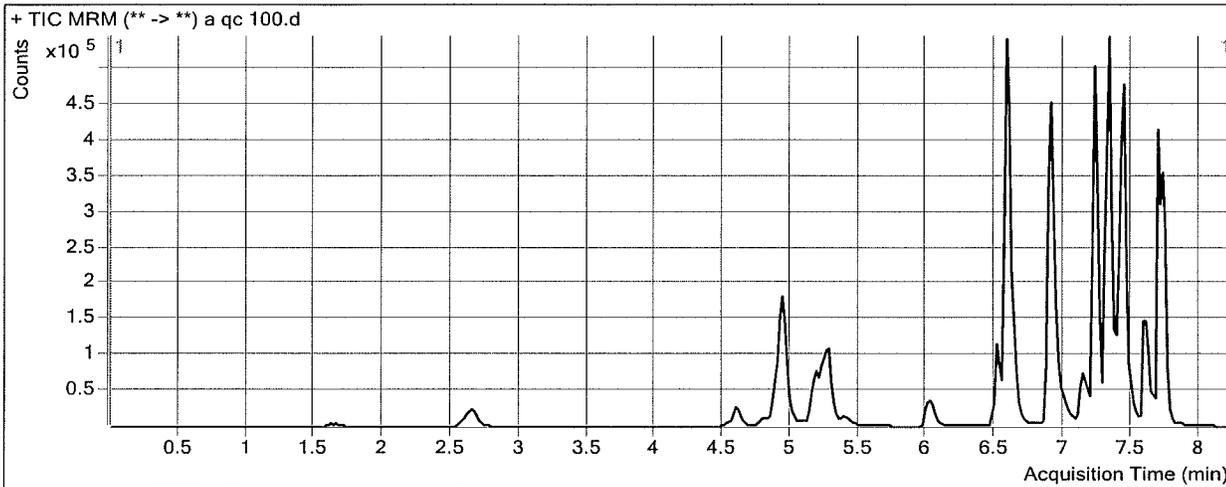
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq1a.batch.bin
Analysis Time 3/26/2017 8:00 AM **Analyst Name** ISP Tox
Report Time 3/26/2017 8:03 AM **Reporter Name** ISP Tox
Last Calib Update 3/26/2017 8:00 AM **Batch State** Processed

Analysis Info

Acq Time 2017-03-24 19:44 **Data File** a qc 100.d
Sample Type QC **Sample Name** a qc 100
Dilution 1 **Acq Method** Quant Panel 1a 2-13-17.m
Position P1-B2 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1 Confirmation

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.631	18920	1600	11.8221	101.9662
Hydromorphone	Hydromorphone-D6	2.648	86163	26737	3.2225	99.2748
Codeine	Codeine-D6	4.593	35409	12957	2.7327	99.0840
Amphetamine	Amphetamine-D11	4.944	354264	32182	11.0082	107.5095
Oxycodone	Oxycodone-D6	4.930	193588	85051	2.2761	96.0165
Hydrocodone	Hydrocodone-D6	5.195	118924	63993	1.8584	95.2094
Norhydrocodone	Norhydrocodone-D3	5.258	9792	24146	0.4055	91.1690
Methamphetamine	Methamphetamine-D11	5.263	274175	94085	2.9141	100.7665
6-MAM	6-MAM-D6	5.409	5650	22875	0.2470	9.3541
Phentermine	Phentermine-D5	6.046	73811	120698	0.6115	91.8441
Dextroprphan	Dextroprphan-D3	6.504	109903	79253	1.3867	99.3344
7-aminoclonazepam	7-Aminoclonazepam-D4	6.595	152915	63914	2.3925	100.0383
Tramadol	Tramadol-13C-D3	6.580	1072409	497634	2.1550	101.9480
Doxylamine	Doxylamine-D5	6.903	855711	418426	2.0451	102.0075
Bupropion	Bupropion-D9	7.152	119141	59857	1.9904	89.6978
Zolpidem	Zolpidem-D6	7.223	737962	370226	1.9933	105.3303
Meprobamate	Meprobamate-D7	7.234	86248	42905	2.0102	102.3130
Venlafaxine	Venlafaxine-D6	7.326	856152	373403	2.2928	100.7465
Trazodone	Trazodone-D6	7.396	281866	116836	2.4125	100.5860
Citalopram	Citalopram-D6	7.418	279909	118305	2.3660	103.4257
Dextromethorphan	Dextromethorphan-D3	7.449	48840	21984	2.2217	94.1887
Diphenhydramine	Diphenhydramine-D3	7.452	387780	183296	2.1156	94.8940
Promethazine	Promethazine-D3	7.607	236065	121426	1.9441	97.1252

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

a QC 100

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.623	73797	8898	8.2940	107.7629
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.681	32371	12971	2.4956	97.3118
Carisoprodol	Carisoprodol-D7	7.693	354333	195978	1.8080	101.1362
Lorazepam	Alprazolam-D5	7.723	26045	118653	0.2195	85.5957
Alprazolam	Alprazolam-D5	7.747	316738	118653	2.6694	98.2073



ISP FORENSICS - Cd'A Instrument # 62340

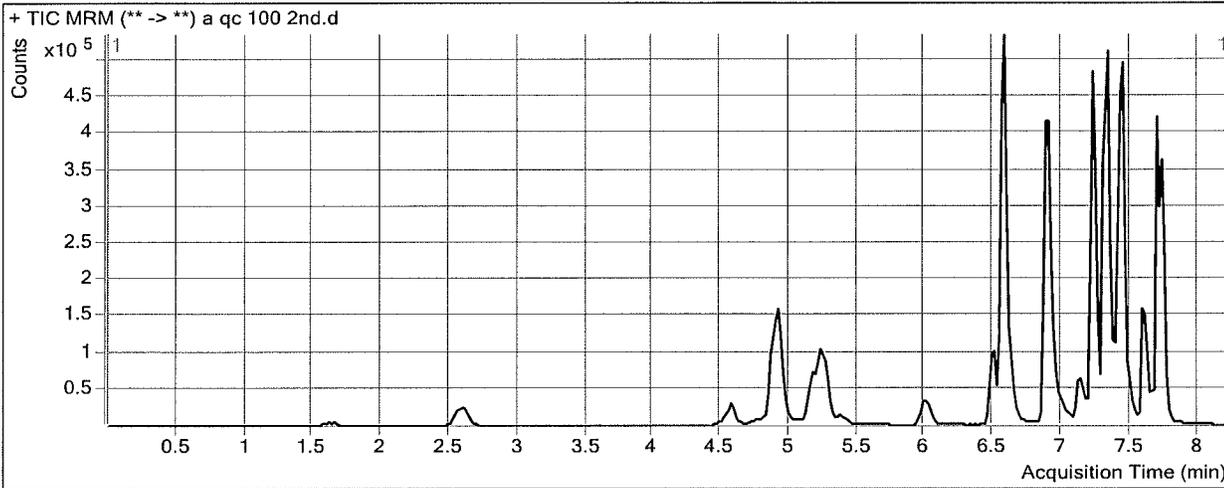
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq1a.batch.bin
Analysis Time 3/26/2017 8:00 AM **Analyst Name** ISP Tox
Report Time 3/26/2017 8:03 AM **Reporter Name** ISP Tox
Last Calib Update 3/26/2017 8:00 AM **Batch State** Processed

Analysis Info

Acq Time 2017-03-24 23:07 **Data File** a qc 100 2nd.d
Sample Type Sample **Sample Name** a qc 100 2nd
Dilution 1 **Acq Method** Quant Panel 1a 2-13-17.m
Position P1-E2 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1 Confirmation

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.631	18726	1424	13.1526	113.6042
Hydromorphone	Hydromorphone-D6	2.608	84716	25020	3.3859	104.3628
Codeine	Codeine-D6	4.573	36415	12348	2.9490	106.9212
Amphetamine	Amphetamine-D11	4.904	326626	27267	11.9788	117.9353
Oxycodone	Oxycodone-D6	4.910	189574	74434	2.5469	107.5560
Hydrocodone	Hydrocodone-D6	5.175	127266	60302	2.1105	108.2176
Norhydrocodone	Norhydrocodone-D3	5.238	9850	22659	0.4347	97.6250
Methamphetamine	Methamphetamine-D11	5.243	270900	85652	3.1628	109.7049
6-MAM	6-MAM-D6	5.389	5714	21255	0.2688	10.1828
Phentermine	Phentermine-D5	6.026	72787	101884	0.7144	107.4678
Dextropropion	Dextropropion-D3	6.504	111884	69627	1.6069	115.2109
7-aminoclonazepam	7-Aminoclonazepam-D4	6.575	154333	58238	2.6500	110.9792
Tramadol	Tramadol-13C-D3	6.580	1099980	436411	2.5205	119.6242
Doxylamine	Doxylamine-D5	6.903	868377	393251	2.2082	110.2650
Bupropion	Bupropion-D9	7.152	99438	47768	2.0817	93.8449
Zolpidem	Zolpidem-D6	7.223	642340	338642	1.8968	100.1242
Meprobamate	Meprobamate-D7	7.234	82192	40843	2.0124	102.4263
Venlafaxine	Venlafaxine-D6	7.326	884737	355351	2.4898	109.5183
Trazodone	Trazodone-D6	7.396	308040	122295	2.5188	105.1059
Citalopram	Citalopram-D6	7.418	287456	121766	2.3607	103.1926
Dextromethorphan	Dextromethorphan-D3	7.449	54978	20861	2.6354	111.8826
Diphenhydramine	Diphenhydramine-D3	7.452	439757	182569	2.4087	108.0541
Promethazine	Promethazine-D3	7.587	258011	121019	2.1320	106.6084

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

a Qc 100 and

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.623	73983	8934	8.2809	107.5914
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.681	30792	12195	2.5250	98.4603
Carisoprodol	Carisoprodol-D7	7.693	359606	173112	2.0773	116.3558
Lorazepam	Alprazolam-D5	7.723	24043	104896	0.2292	89.3122
Alprazolam	Alprazolam-D5	7.727	317667	104896	3.0284	111.4991

ISP FORENSICS - Cd'A Instrument # 62340

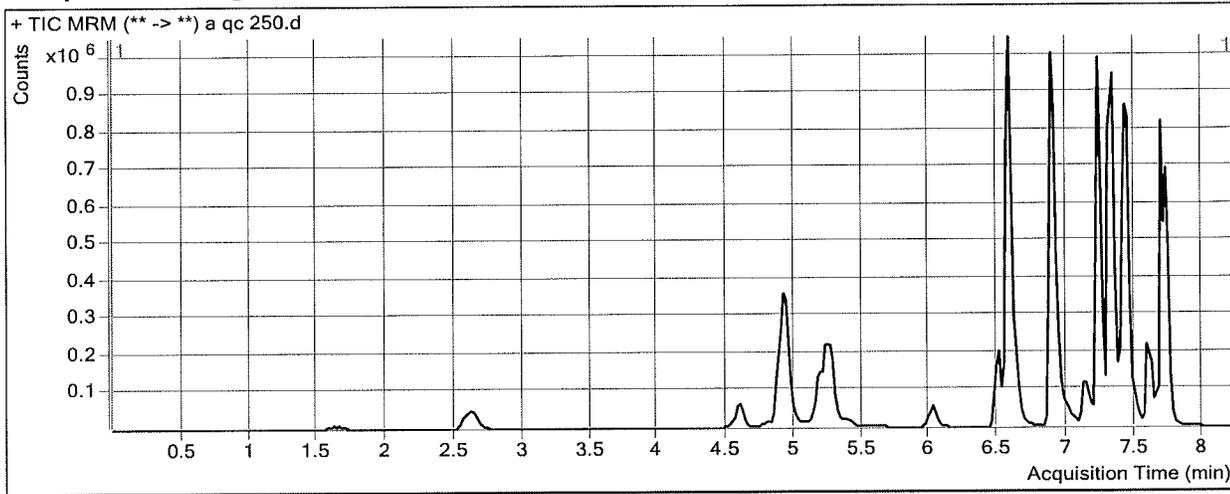
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq1a.batch.bin
Analysis Time 3/26/2017 8:00 AM **Analyst Name** ISP Tox
Report Time 3/26/2017 8:03 AM **Reporter Name** ISP Tox
Last Calib Update 3/26/2017 8:00 AM **Batch State** Processed

Analysis Info

Acq Time 2017-03-25 00:10 **Data File** a qc 250.d
Sample Type QC **Sample Name** a qc 250
Dilution 1 **Acq Method** Quant Panel 1a 2-13-17.m
Position P1-C2 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1 Confirmation

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.631	43693	1399	31.2250	271.6929
Hydromorphone	Hydromorphone-D6	2.628	201233	23739	8.4768	262.9371
Codeine	Codeine-D6	4.593	84768	12209	6.9432	251.6969
Amphetamine	Amphetamine-D11	4.924	743073	27758	26.7693	276.8081
Oxycodone	Oxycodone-D6	4.930	516644	82667	6.2497	265.3902
Hydrocodone	Hydrocodone-D6	5.195	297058	58079	5.1147	263.2518
Norhydrocodone	Norhydrocodone-D3	5.258	22356	19331	1.1565	257.2308
Methamphetamine	Methamphetamine-D11	5.263	628777	81536	7.7117	273.1968
6-MAM	6-MAM-D6	5.389	13137	20433	0.6429	24.3944
Phentermine	Phentermine-D5	6.026	166720	98659	1.6899	255.6040
Dextrophan	Dextrophan-D3	6.504	239966	65391	3.6697	263.9687
7-aminoclonazepam	7-Aminoclonazepam-D4	6.575	337825	52058	6.4893	274.0845
Tramadol	Tramadol-13C-D3	6.580	2551143	438543	5.8173	279.0640
Doxylamine	Doxylamine-D5	6.883	2084875	385602	5.4068	272.1727
Bupropion	Bupropion-D9	7.152	244604	42257	5.7885	262.2472
Zolpidem	Zolpidem-D6	7.223	1718078	329716	5.2108	278.9750
Meprobamate	Meprobamate-D7	7.234	190843	37400	5.1028	261.9946
Venlafaxine	Venlafaxine-D6	7.326	2014216	329075	6.1208	271.2672
Trazodone	Trazodone-D6	7.396	702419	107622	6.5268	275.4457
Citalopram	Citalopram-D6	7.418	572537	92909	6.1624	270.9251
Dextromethorphan	Dextromethorphan-D3	7.449	94018	17289	5.4380	231.7371
Diphenhydramine	Diphenhydramine-D3	7.452	890345	154362	5.7679	258.8685
Promethazine	Promethazine-D3	7.587	407945	75517	5.4021	271.6694

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

a QC 250

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.623	164705	8758	18.8054	246.0415
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.681	77051	11381	6.7699	264.0952
Carisoprodol	Carisoprodol-D7	7.693	786016	158436	4.9611	279.3448
Lorazepam	Alprazolam-D5	7.723	50649	93962	0.5390	207.9841
Alprazolam	Alprazolam-D5	7.727	681665	93962	7.2547	267.9994



ISP FORENSICS - Cd'A Instrument # 62340

Multi-Drug Confirmatory Analysis Report

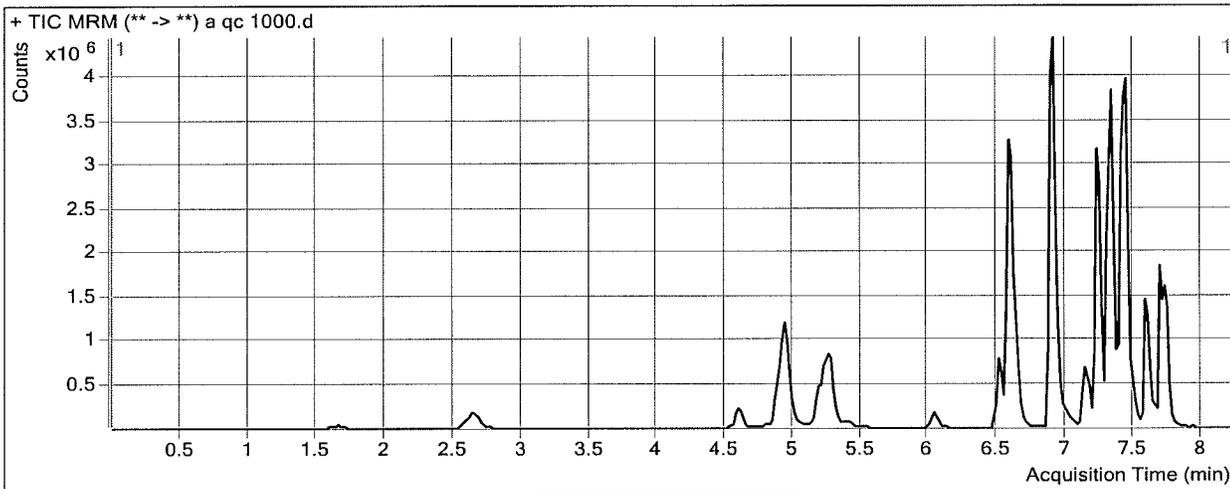
a qc 1000

Batch Data Path D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq1a.batch.bin
Analysis Time 3/26/2017 8:00 AM **Analyst Name** ISP Tox
Report Time 3/26/2017 8:03 AM **Reporter Name** ISP Tox
Last Calib Update 3/26/2017 8:00 AM **Batch State** Processed

Analysis Info

Acq Time 2017-03-25 00:23 **Data File** a qc 1000.d
Sample Type QC **Sample Name** a qc 1000
Dilution 1 **Acq Method** Quant Panel 1a 2-13-17.m
Position P1-D2 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1 Confirmation

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.631	161194	1425	113.1276	988.1350
Hydromorphone	Hydromorphone-D6	2.648	768268	24448	31.4247	977.7278
Codeine	Codeine-D6	4.593	314564	11580	27.1636	984.6138
Amphetamine	Amphetamine-D11	4.924	2392176	31522	75.8888	804.4267
Oxycodone	Oxycodone-D6	4.930	1915999	88587	21.6285	920.9065
Hydrocodone	Hydrocodone-D6	5.195	1079099	65686	16.4282	847.0788
Norhydrocodone	Norhydrocodone-D3	5.258	78833	16418	4.8015	1063.2519
Methamphetamine	Methamphetamine-D11	5.263	2368060	91323	25.9307	928.0153
6-MAM	6-MAM-D6	5.409	52384	22515	2.3266	88.3586
Phentermine	Phentermine-D5	6.046	672300	117703	5.7118	866.3963
Dextroprphan	Dextroprphan-D3	6.504	999747	75664	13.2130	952.1715
7-aminoclonazepam	7-Aminoclonazepam-D4	6.595	1065227	47672	22.3447	947.6716
Tramadol	Tramadol-13C-D3	6.580	9917514	498314	19.9021	960.2347
Doxylamine	Doxylamine-D5	6.903	9946908	515832	19.2832	974.5744
Bupropion	Bupropion-D9	7.152	1308170	66600	19.6422	891.6396
Zolpidem	Zolpidem-D6	7.223	6586291	360972	18.2460	982.4694
Meprobamate	Meprobamate-D7	7.234	589604	32497	18.1432	935.3174
Venlafaxine	Venlafaxine-D6	7.326	8827605	409917	21.5351	957.9068
Trazodone	Trazodone-D6	7.396	4036375	212785	18.9693	804.2649
Citalopram	Citalopram-D6	7.418	2549731	112352	22.6941	1000.3216
Dextromethorphan	Dextromethorphan-D3	7.449	596791	26362	22.6380	967.3165
Diphenhydramine	Diphenhydramine-D3	7.452	4757788	221909	21.4403	962.4934
Promethazine	Promethazine-D3	7.587	3055362	162340	18.8208	948.9988

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

a QC 1000

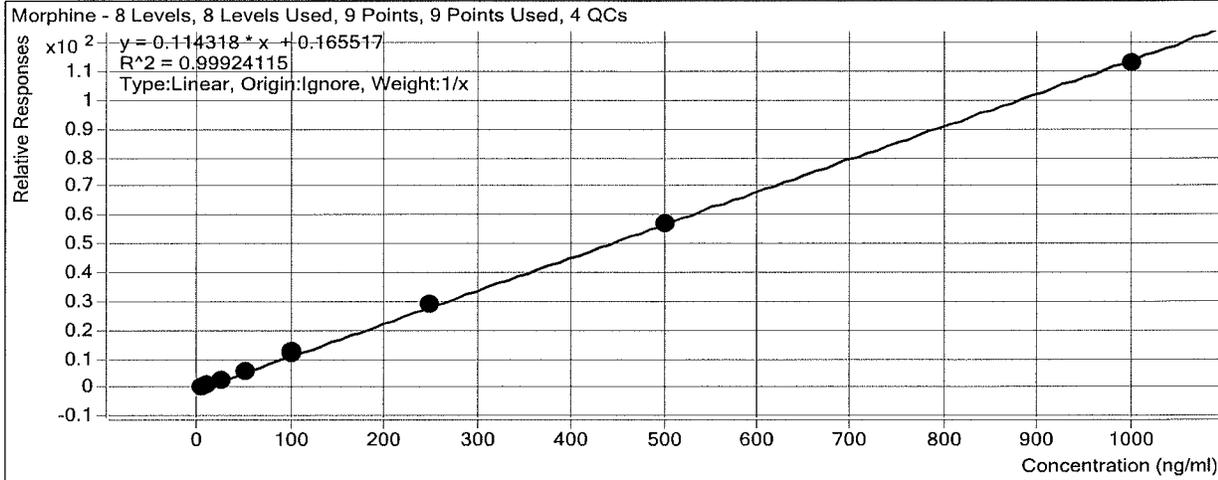
Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.623	489135	7430	65.8301	864.6591
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.681	248633	9245	26.8938	1049.3359
Carisoprodol	Carisoprodol-D7	7.693	1925805	112108	17.1782	969.8455
Lorazepam	Alprazolam-D5	7.723	201890	69369	2.9104	1116.2517
Alprazolam	Alprazolam-D5	7.747	1851203	69369	26.6863	987.5504



ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq1a.batch.bin
Last Calib Update 3/26/2017 8:00 AM **Analyst Name** ISP TOX

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



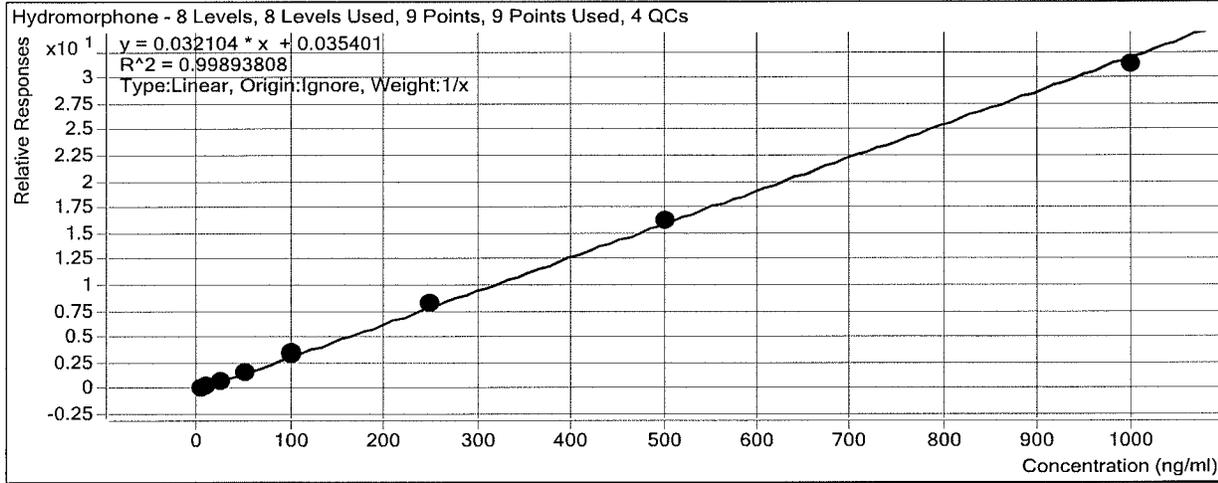
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1 - 5ng	1	<input checked="" type="checkbox"/>	5	4.4	88.0
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	9.9	98.9
a QC 10	2	<input checked="" type="checkbox"/>	10	9.3	93.0
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	9.9	98.9
a cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	24.8	99.2
a cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	51.1	102.2
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	109.9	109.9
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	102.1	102.1
a qc 100	5	<input checked="" type="checkbox"/>	100	102.0	102.0
a cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	253.1	101.2
a qc 250	6	<input checked="" type="checkbox"/>	250	271.7	108.7
a cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	499.9	100.0
a cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	984.8	98.5
a qc 1000	8	<input checked="" type="checkbox"/>	1000	988.1	98.8

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq1a.batch.bin

Last Calib Update 3/26/2017 8:00 AM **Analyst Name** ISP TOX

Target Compound Hydromorphone
Internal Standard Hydromorphone-D6



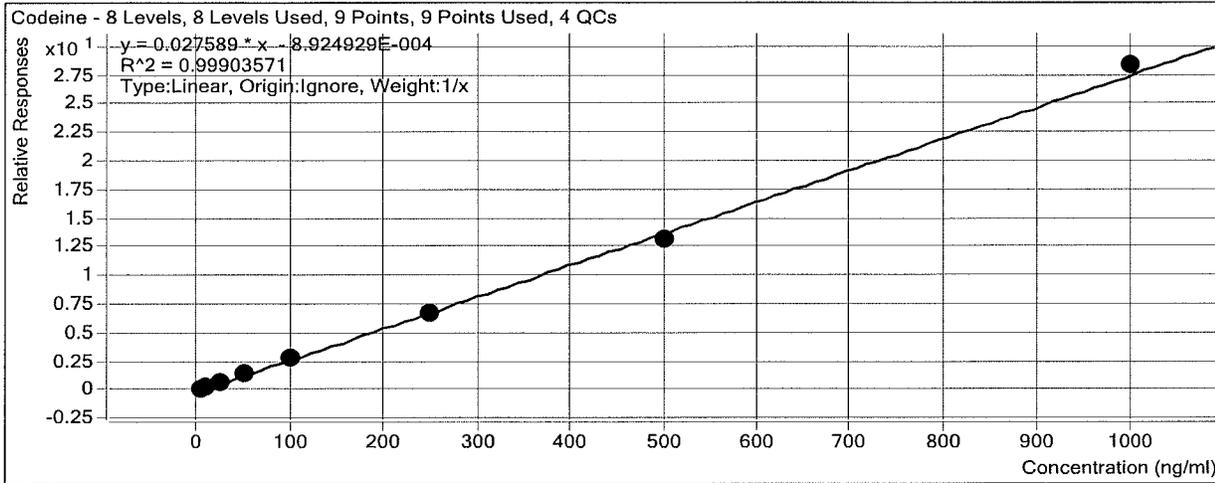
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1 - 5ng	1	<input checked="" type="checkbox"/>	5	4.4	88.7
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	9.6	96.3
a QC 10	2	<input checked="" type="checkbox"/>	10	9.4	94.0
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	9.6	96.3
a cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	24.8	99.1
a cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	51.3	102.7
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	104.8	104.8
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	106.2	106.2
a qc 100	5	<input checked="" type="checkbox"/>	100	99.3	99.3
a cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	259.3	103.7
a qc 250	6	<input checked="" type="checkbox"/>	250	262.9	105.2
a cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	507.4	101.5
a cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	972.2	97.2
a qc 1000	8	<input checked="" type="checkbox"/>	1000	977.7	97.8

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq1a.batch.bin

Last Calib Update 3/26/2017 8:00 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	5.1	102.4
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	10.3	103.1
a QC 10	2	<input checked="" type="checkbox"/>	10	11.3	113.1
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	10.3	103.1
a cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	24.6	98.4
a cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	49.4	98.7
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	101.9	101.9
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	98.8	98.8
a qc 100	5	<input checked="" type="checkbox"/>	100	99.1	99.1
a cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	246.2	98.5
a qc 250	6	<input checked="" type="checkbox"/>	250	251.7	100.7
a cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	478.0	95.6
a cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	1025.8	102.6
a qc 1000	8	<input checked="" type="checkbox"/>	1000	984.6	98.5

ISP Forensics Calibration Curve Report

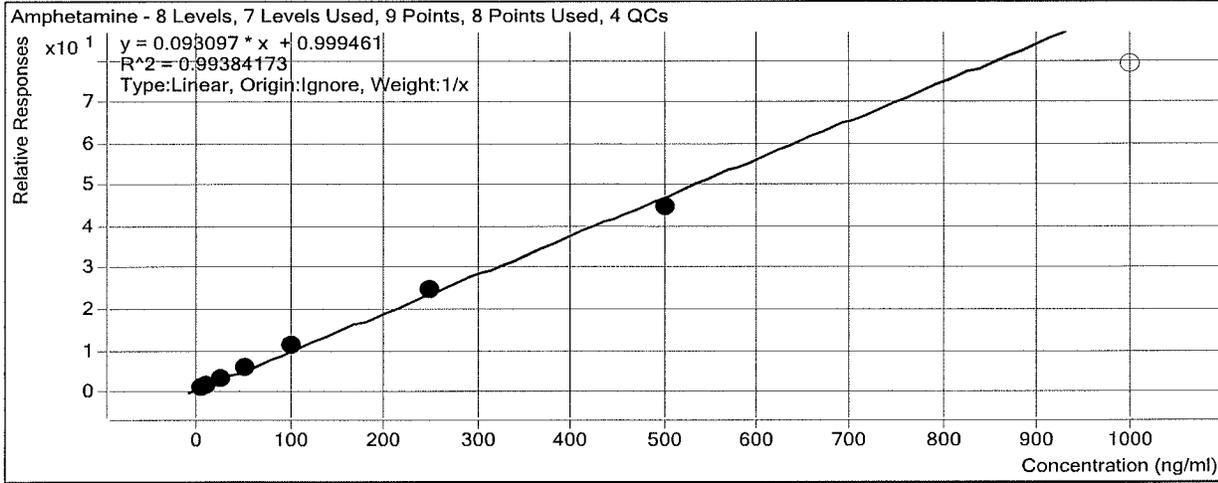
Batch Data Path D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq1a.batch.bin

Last Calib Update 3/26/2017 8:00 AM

Analyst Name ISP TOX

Target Compound Amphetamine

Internal Standard Amphetamine-D11



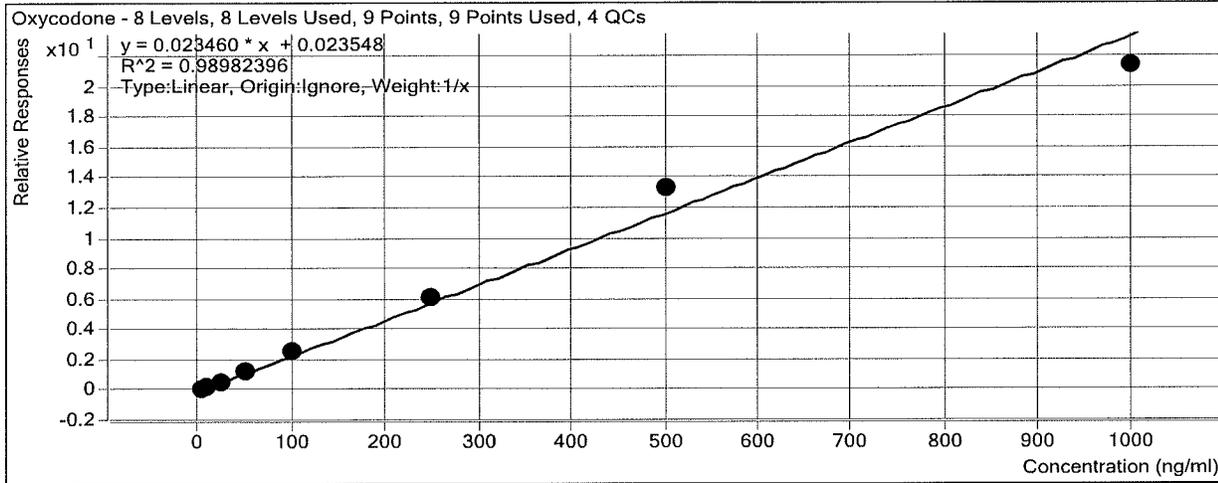
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1 - 5ng	1	<input checked="" type="checkbox"/>	5	3.7	74.8
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	9.1	91.3
a QC 10	2	<input checked="" type="checkbox"/>	10	7.3	73.4
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	9.1	91.3
a cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	26.3	105.2
a cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	55.9	111.8
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	111.6	111.6
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	109.9	109.9
a qc 100	5	<input checked="" type="checkbox"/>	100	107.5	107.5
a cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	254.1	101.6
a qc 250	6	<input checked="" type="checkbox"/>	250	276.8	110.7
a cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	469.4	93.9
a cal 8 - 1000ng	8	<input type="checkbox"/>	1000	839.5	84.0
a qc 1000	8	<input type="checkbox"/>	1000	804.4	80.4

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq1a.batch.bin

Last Calib Update 3/26/2017 8:00 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	4.1	81.0
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	9.8	98.5
a QC 10	2	<input checked="" type="checkbox"/>	10	10.3	102.7
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	9.8	98.5
a cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	23.0	92.1
a cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	52.1	104.1
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	110.3	110.3
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	106.8	106.8
a qc 100	5	<input checked="" type="checkbox"/>	100	96.0	96.0
a cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	257.4	103.0
a qc 250	6	<input checked="" type="checkbox"/>	250	265.4	106.2
a cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	565.8	113.2
a cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	910.7	91.1
a qc 1000	8	<input checked="" type="checkbox"/>	1000	920.9	92.1

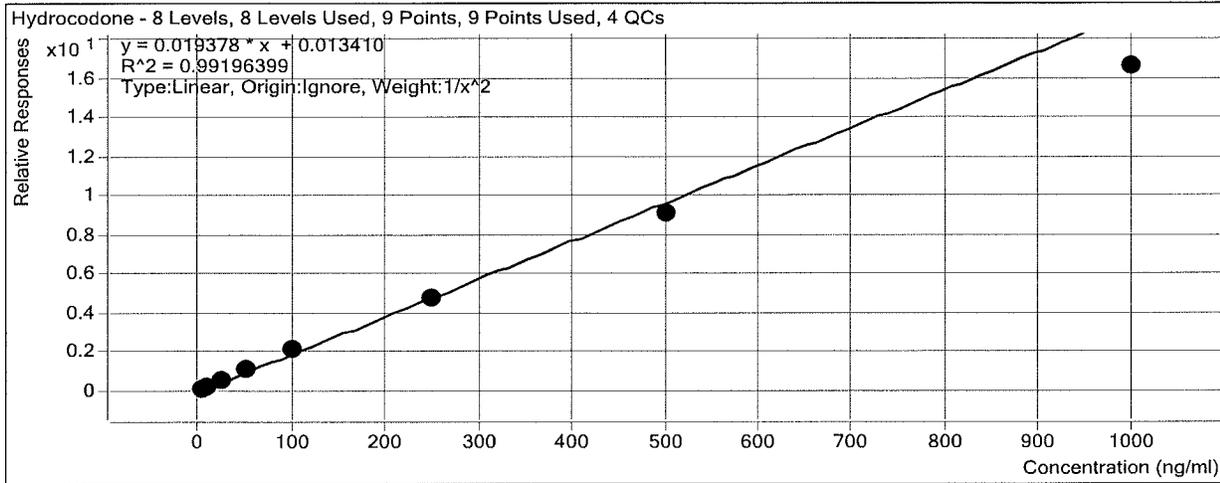
ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq1a.batch.bin

Last Calib Update 3/26/2017 8:00 AM

Analyst Name ISP TOX

Target Compound Hydrocodone
Internal Standard Hydrocodone-D6



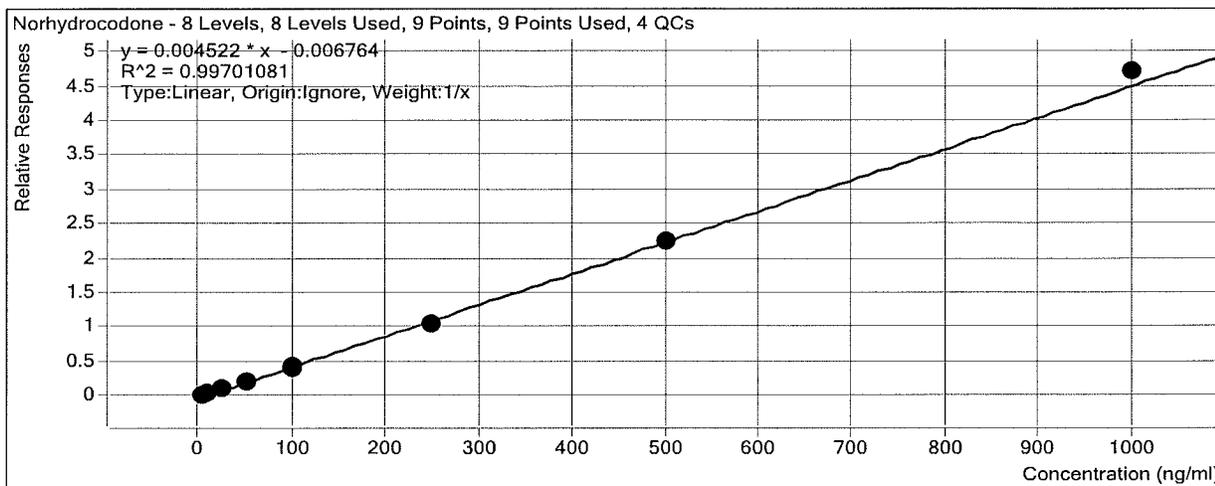
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1 - 5ng	1	<input checked="" type="checkbox"/>	5	4.9	97.5
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	10.3	103.3
a QC 10	2	<input checked="" type="checkbox"/>	10	9.1	91.2
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	10.3	103.3
a cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	24.2	96.9
a cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	54.5	109.0
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	106.3	106.3
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	109.9	109.9
a qc 100	5	<input checked="" type="checkbox"/>	100	95.2	95.2
a cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	245.3	98.1
a qc 250	6	<input checked="" type="checkbox"/>	250	263.3	105.3
a cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	468.1	93.6
a cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	855.3	85.5
a qc 1000	8	<input checked="" type="checkbox"/>	1000	847.1	84.7

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq1a.batch.bin

Last Calib Update 3/26/2017 8:00 AM **Analyst Name** ISP TOX

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



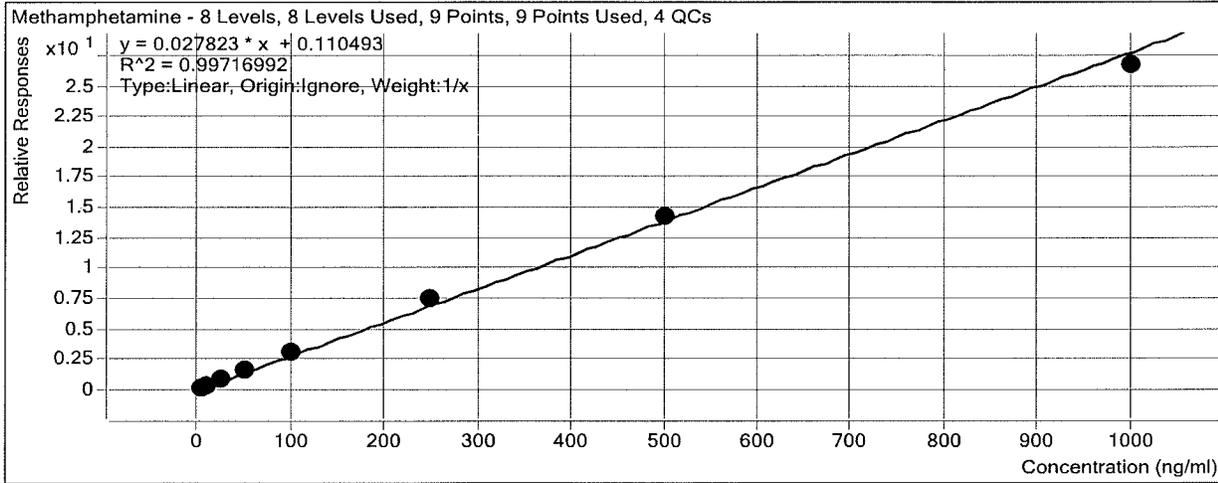
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1 - 5ng	1	<input checked="" type="checkbox"/>	5	6.5	129.6
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	10.8	107.8
a QC 10	2	<input checked="" type="checkbox"/>	10	10.0	100.5
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	10.8	107.8
a cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	23.2	92.7
a cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	44.1	88.3
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	96.4	96.4
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	88.3	88.3
a qc 100	5	<input checked="" type="checkbox"/>	100	91.2	91.2
a cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	234.2	93.7
a qc 250	6	<input checked="" type="checkbox"/>	250	257.2	102.9
a cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	496.2	99.2
a cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	1040.4	104.0
a qc 1000	8	<input type="checkbox"/>	1000	1063.3	106.3

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq1a.batch.bin

Last Calib Update 3/26/2017 8:00 AM **Analyst Name** ISP TOX

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



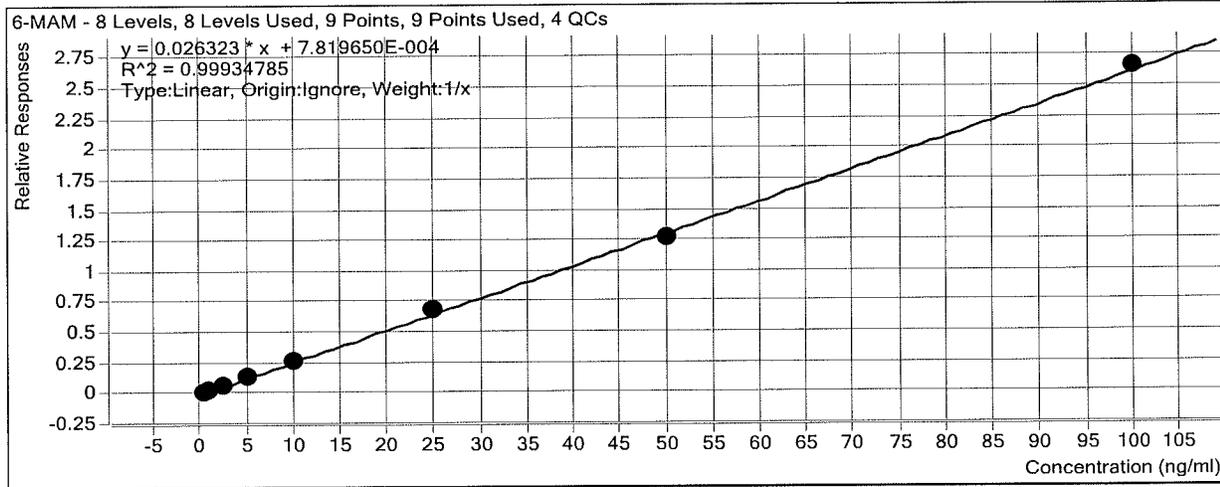
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1 - 5ng	1	<input checked="" type="checkbox"/>	5	3.8	75.0
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	9.4	93.7
a QC 10	2	<input type="checkbox"/>	10	8.3	82.7
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	9.4	93.7
a cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	25.5	102.0
a cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	54.4	108.8
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	108.4	108.4
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	109.4	109.4
a qc 100	5	<input checked="" type="checkbox"/>	100	100.8	100.8
a cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	262.2	104.9
a qc 250	6	<input checked="" type="checkbox"/>	250	273.2	109.3
a cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	511.6	102.3
a cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	955.4	95.5
a qc 1000	8	<input checked="" type="checkbox"/>	1000	928.0	92.8

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq1a.batch.bin

Last Calib Update 3/26/2017 8:00 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1 - 5ng	1	<input checked="" type="checkbox"/>	0.5	0.4	89.0
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	1	1.1	108.7
a QC 10	2	<input checked="" type="checkbox"/>	1	1.2	117.4
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	1	1.1	108.7
a cal 3- 25ng	3	<input checked="" type="checkbox"/>	2.5	2.5	100.6
a cal 4 - 50ng	4	<input checked="" type="checkbox"/>	5	5.3	105.4
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	10	10.0	99.7
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	10	9.6	96.1
a qc 100	5	<input checked="" type="checkbox"/>	10	9.4	93.5
a cal 6 - 250ng	6	<input checked="" type="checkbox"/>	25	25.7	102.6
a qc 250	6	<input checked="" type="checkbox"/>	25	24.4	97.6
a cal 7 - 500ng	7	<input checked="" type="checkbox"/>	50	48.4	96.9
a cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	100	101.0	101.0
a qc 1000	8	<input checked="" type="checkbox"/>	100	88.4	88.4

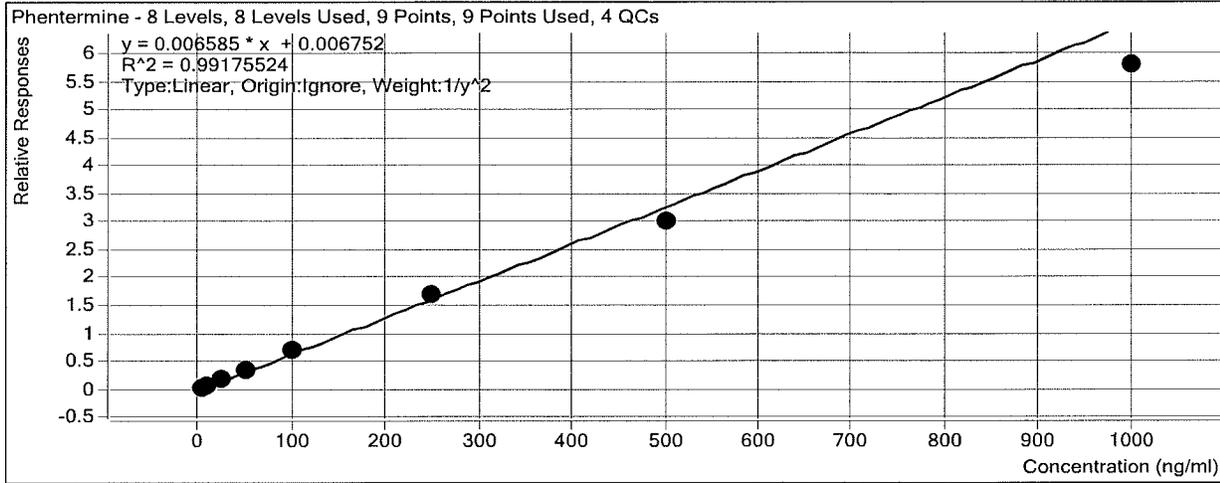
ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq1a.batch.bin

Last Calib Update 3/26/2017 8:00 AM

Analyst Name ISP TOX

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



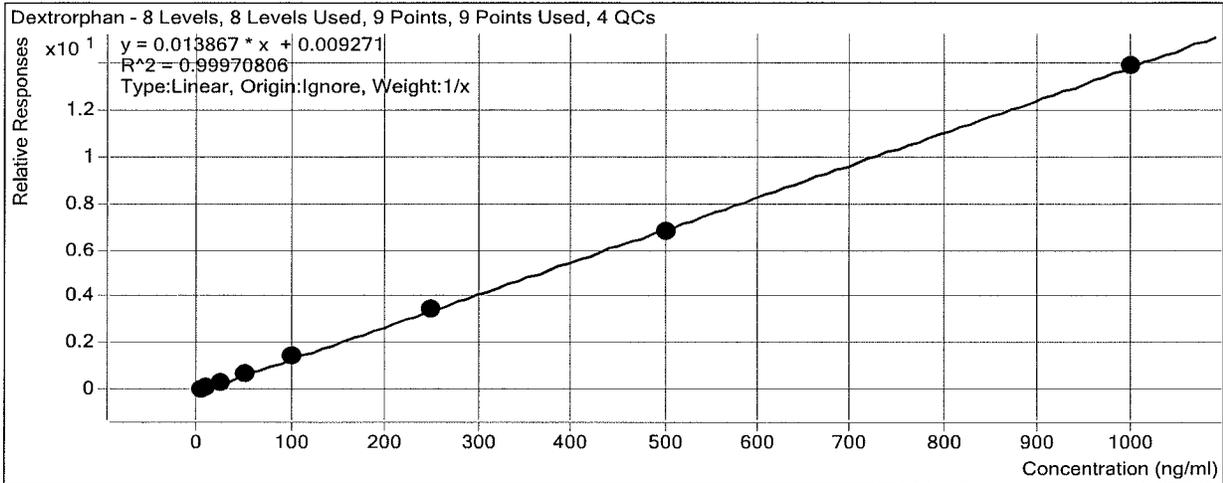
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1 - 5ng	1	<input checked="" type="checkbox"/>	5	4.7	94.2
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	10.6	105.5
a QC 10	2	<input checked="" type="checkbox"/>	10	9.1	90.5
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	10.6	105.5
a cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	27.1	108.5
a cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	53.7	107.4
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	106.7	106.7
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	105.7	105.7
a qc 100	5	<input checked="" type="checkbox"/>	100	91.8	91.8
a cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	256.2	102.5
a qc 250	6	<input checked="" type="checkbox"/>	250	255.6	102.2
a cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	456.9	91.4
a cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	879.7	88.0
a qc 1000	8	<input checked="" type="checkbox"/>	1000	866.4	86.6

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq1a.batch.bin

Last Calib Update 3/26/2017 8:00 AM **Analyst Name** ISP TOX

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



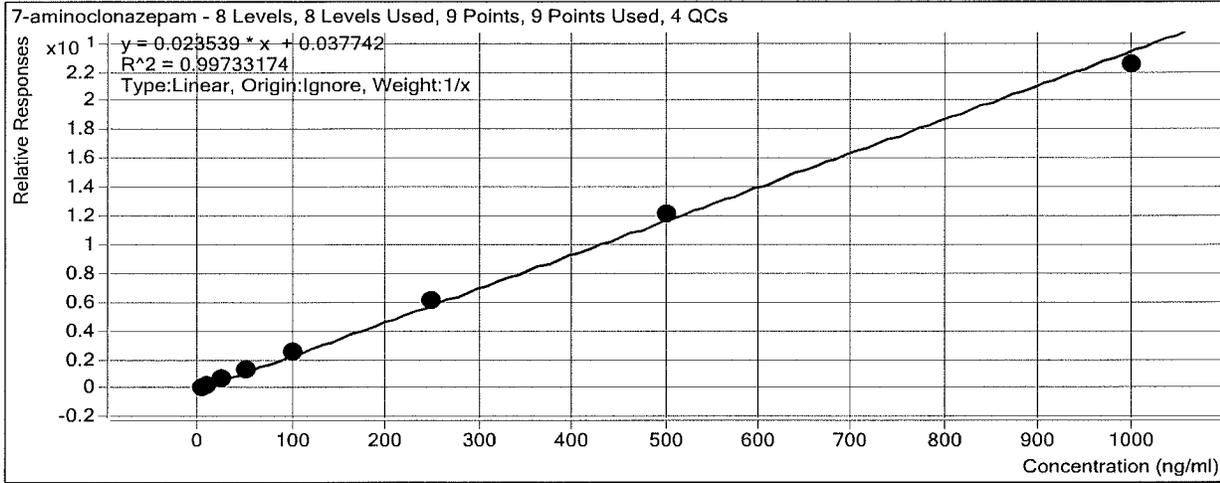
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1 - 5ng	1	<input checked="" type="checkbox"/>	5	4.5	90.1
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	10.1	101.2
a QC 10	2	<input checked="" type="checkbox"/>	10	9.1	91.3
a c2017-0276-1 blank	2	<input checked="" type="checkbox"/>	10	0.0	0.0
a cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	24.8	99.3
a cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	51.6	103.2
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	102.1	102.1
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	105.4	105.4
a qc 100	5	<input checked="" type="checkbox"/>	100	99.3	99.3
a cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	250.7	100.3
a qc 250	6	<input checked="" type="checkbox"/>	250	264.0	105.6
a cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	493.5	98.7
a cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	997.3	99.7
a qc 1000	8	<input checked="" type="checkbox"/>	1000	952.2	95.2

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq1a.batch.bin

Last Calib Update 3/26/2017 8:00 AM **Analyst Name** ISP TOX

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



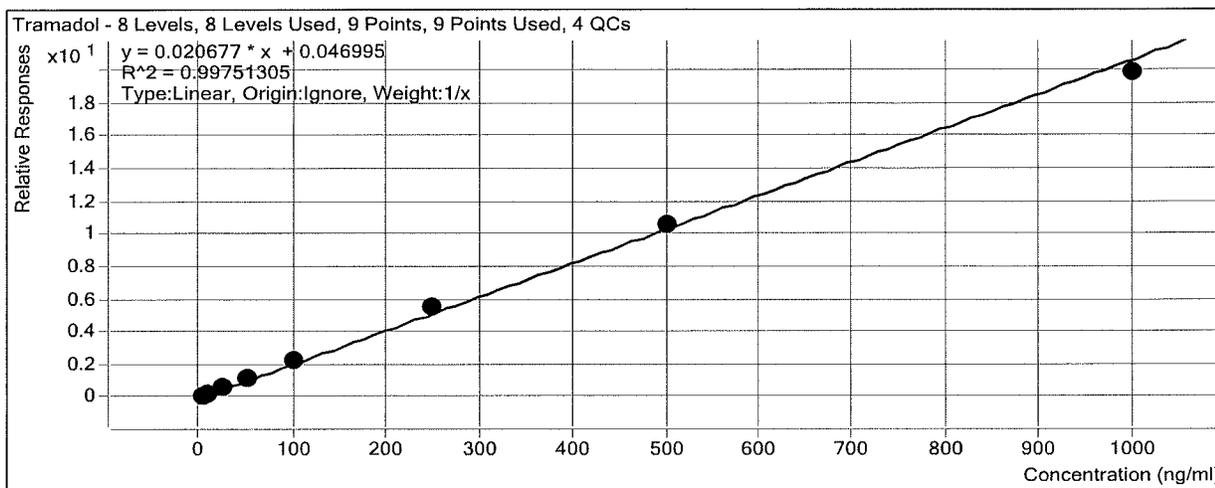
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1 - 5ng	1	<input checked="" type="checkbox"/>	5	3.9	77.7
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	9.4	94.5
a QC 10	2	<input checked="" type="checkbox"/>	10	8.6	86.0
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	9.4	94.5
a cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	25.4	101.8
a cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	54.7	109.4
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	106.4	106.4
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	106.8	106.8
a qc 100	5	<input checked="" type="checkbox"/>	100	100.0	100.0
a cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	261.2	104.5
a qc 250	6	<input checked="" type="checkbox"/>	250	274.1	109.6
a cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	518.3	103.7
a cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	953.8	95.4
a qc 1000	8	<input checked="" type="checkbox"/>	1000	947.7	94.8

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq1a.batch.bin

Last Calib Update 3/26/2017 8:00 AM **Analyst Name** ISP TOX

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



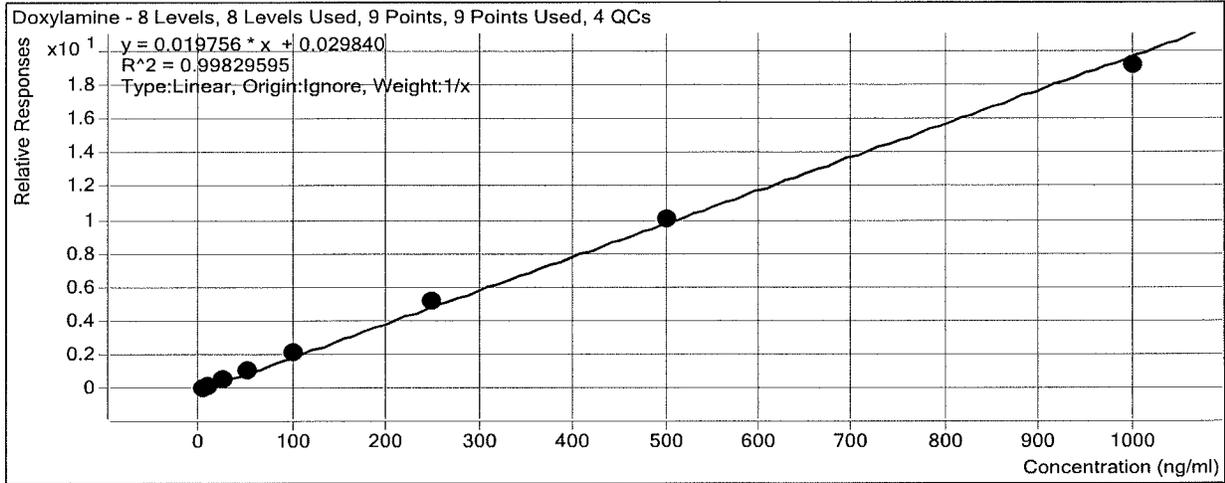
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1 - 5ng	1	<input checked="" type="checkbox"/>	5	3.7	74.4
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	9.7	97.1
a QC 10	2	<input checked="" type="checkbox"/>	10	8.8	87.7
a c2017-0276-1 blank	2	<input checked="" type="checkbox"/>	10	0.0	0.0
a cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	25.9	103.4
a cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	54.2	108.5
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	106.1	106.1
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	106.6	106.6
a qc 100	5	<input checked="" type="checkbox"/>	100	101.9	101.9
a cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	264.8	105.9
a qc 250	6	<input checked="" type="checkbox"/>	250	279.1	111.6
a cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	512.3	102.5
a cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	956.8	95.7
a qc 1000	8	<input checked="" type="checkbox"/>	1000	960.2	96.0

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq1a.batch.bin

Last Calib Update 3/26/2017 8:00 AM **Analyst Name** ISP TOX

Target Compound Doxylamine
Internal Standard Doxylamine-D5



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1 - 5ng	1	<input checked="" type="checkbox"/>	5	4.0	80.4
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	9.4	93.5
a QC 10	2	<input checked="" type="checkbox"/>	10	8.9	89.3
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	9.4	93.5
a cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	26.0	103.8
a cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	53.6	107.3
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	105.7	105.7
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	106.4	106.4
a qc 100	5	<input checked="" type="checkbox"/>	100	102.0	102.0
a cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	262.2	104.9
a qc 250	6	<input checked="" type="checkbox"/>	250	272.2	108.9
a cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	506.8	101.4
a cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	965.9	96.6
a qc 1000	8	<input checked="" type="checkbox"/>	1000	974.6	97.5

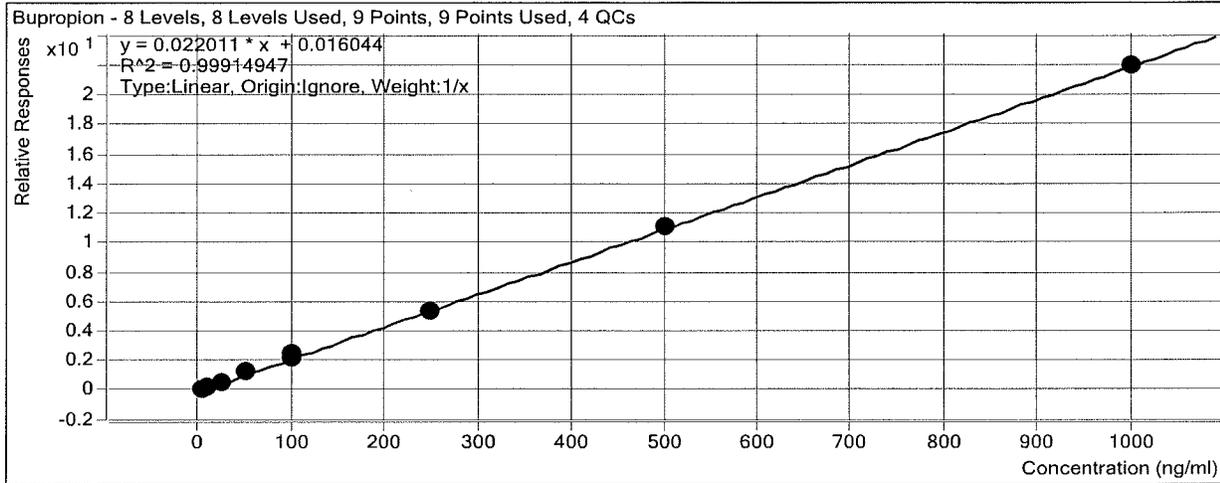
ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq1a.batch.bin

Last Calib Update 3/26/2017 8:00 AM

Analyst Name ISP TOX

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



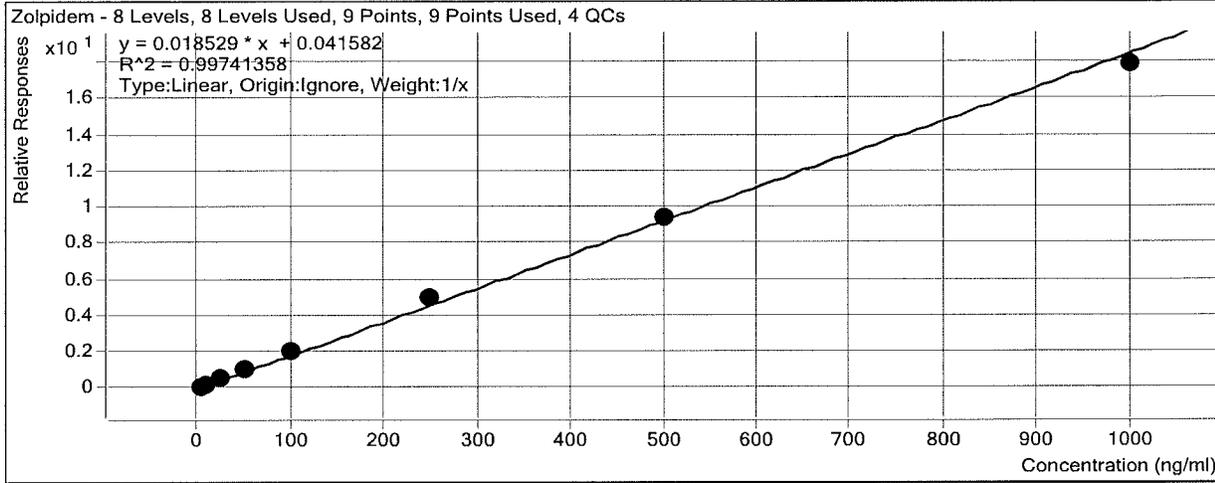
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1 - 5ng	1	<input checked="" type="checkbox"/>	5	4.9	97.6
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	9.6	96.5
a QC 10	2	<input checked="" type="checkbox"/>	10	10.2	101.7
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	9.6	96.5
a cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	23.1	92.5
a cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	53.9	107.9
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	99.4	99.4
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	109.3	109.3
a qc 100	5	<input checked="" type="checkbox"/>	100	89.7	89.7
a cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	242.9	97.1
a qc 250	6	<input checked="" type="checkbox"/>	250	262.2	104.9
a cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	500.7	100.1
a cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	996.2	99.6
a qc 1000	8	<input checked="" type="checkbox"/>	1000	891.6	89.2

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq1a.batch.bin

Last Calib Update 3/26/2017 8:00 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	3.6	71.2
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	9.8	97.8
a QC 10	2	<input checked="" type="checkbox"/>	10	8.9	89.1
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	9.8	97.8
a cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	25.6	102.3
a cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	54.8	109.5
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	107.3	107.3
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	109.1	109.1
a qc 100	5	<input checked="" type="checkbox"/>	100	105.3	105.3
a cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	264.2	105.7
a qc 250	6	<input checked="" type="checkbox"/>	250	279.0	111.6
a cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	506.1	101.2
a cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	959.7	96.0
a qc 1000	8	<input type="checkbox"/>	1000	982.5	98.2

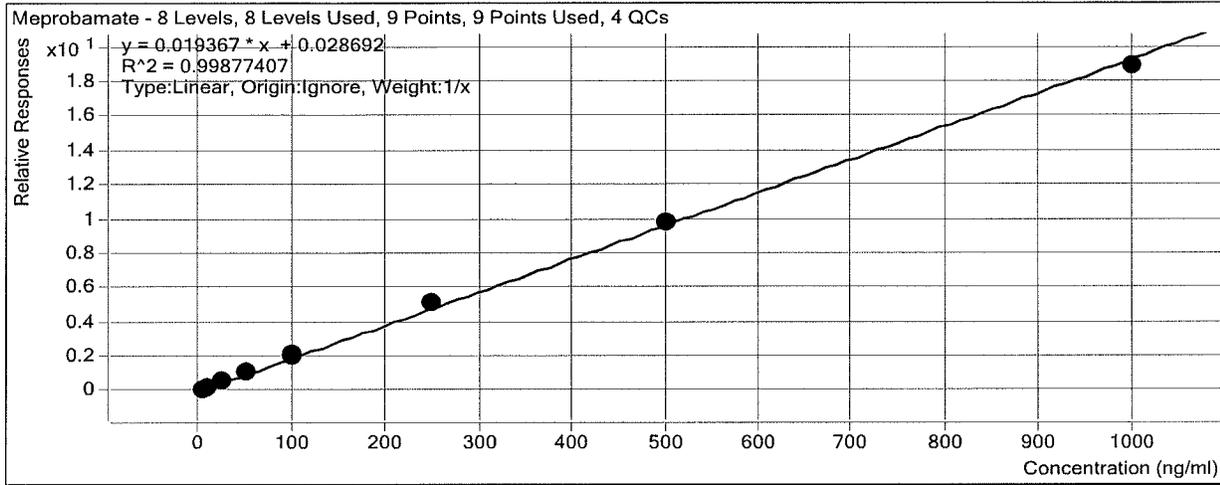
ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq1a.batch.bin

Last Calib Update 3/26/2017 8:00 AM

Analyst Name ISP TOX

Target Compound Meprobamate
Internal Standard Meprobamate-D7



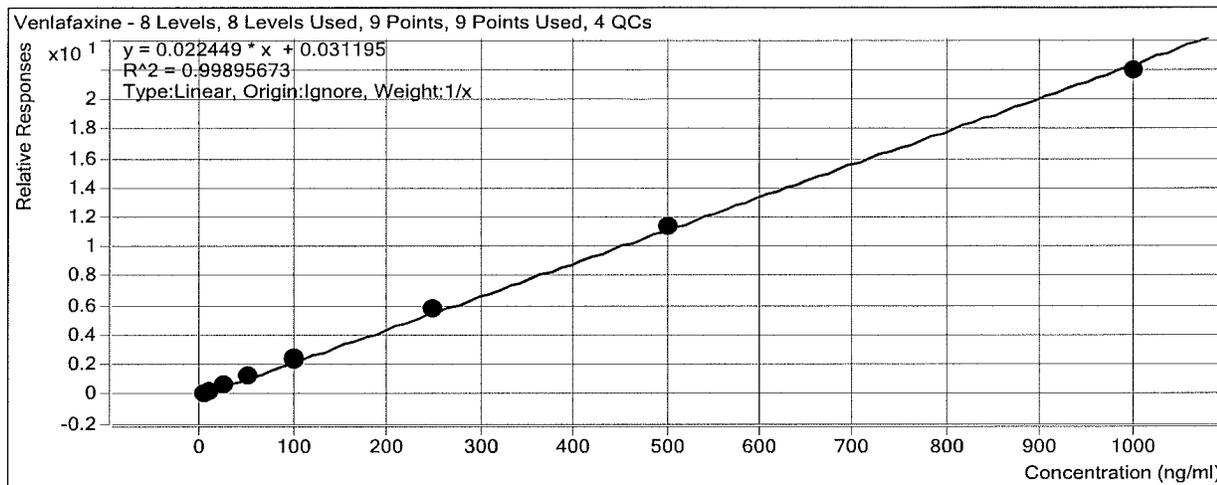
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1 - 5ng	1	<input checked="" type="checkbox"/>	5	4.0	80.1
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	9.7	97.1
a QC 10	2	<input checked="" type="checkbox"/>	10	9.9	99.4
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	9.7	97.1
a cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	26.4	105.5
a cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	53.5	107.0
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	106.3	106.3
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	101.1	101.1
a qc 100	5	<input checked="" type="checkbox"/>	100	102.3	102.3
a cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	261.8	104.7
a qc 250	6	<input checked="" type="checkbox"/>	250	262.0	104.8
a cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	504.2	100.8
a cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	973.1	97.3
a qc 1000	8	<input checked="" type="checkbox"/>	1000	935.3	93.5

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq1a.batch.bin

Last Calib Update 3/26/2017 8:00 AM **Analyst Name** ISP TOX

Target Compound Venlafaxine
Internal Standard Venlafaxine-D6



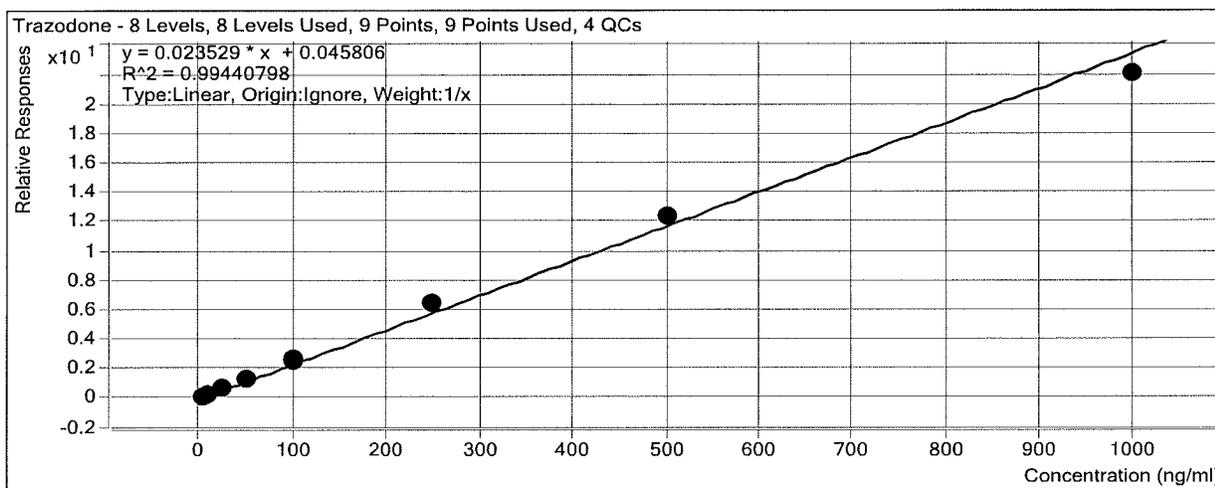
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1 - 5ng	1	<input checked="" type="checkbox"/>	5	3.9	77.2
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	10.3	102.5
a QC 10	2	<input checked="" type="checkbox"/>	10	9.7	96.9
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	10.3	102.5
a cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	25.8	103.0
a cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	52.4	104.7
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	105.1	105.1
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	106.1	106.1
a qc 100	5	<input checked="" type="checkbox"/>	100	100.7	100.7
a cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	257.4	103.0
a qc 250	6	<input checked="" type="checkbox"/>	250	271.3	108.5
a cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	504.2	100.8
a cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	974.9	97.5
a qc 1000	8	<input checked="" type="checkbox"/>	1000	957.9	95.8

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq1a.batch.bin

Last Calib Update 3/26/2017 8:00 AM **Analyst Name** ISP TOX

Target Compound Trazodone
Internal Standard Trazodone-D6



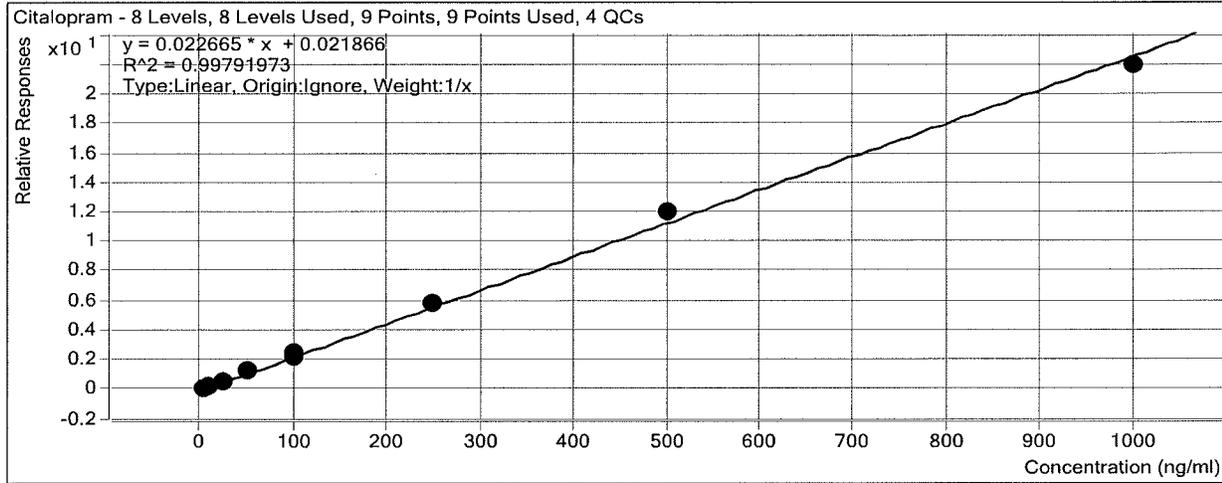
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1 - 5ng	1	<input checked="" type="checkbox"/>	5	3.9	77.3
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	8.8	87.7
a QC 10	2	<input checked="" type="checkbox"/>	10	8.9	88.5
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	8.8	87.7
a cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	24.4	97.5
a cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	55.5	111.0
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	106.8	106.8
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	113.8	113.8
a qc 100	5	<input checked="" type="checkbox"/>	100	100.6	100.6
a cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	269.8	107.9
a qc 250	6	<input checked="" type="checkbox"/>	250	275.4	110.2
a cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	522.7	104.5
a cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	934.4	93.4
a qc 1000	8	<input checked="" type="checkbox"/>	1000	804.3	80.4

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq1a.batch.bin

Last Calib Update 3/26/2017 8:00 AM **Analyst Name** ISP TOX

Target Compound Citalopram
Internal Standard Citalopram-D6



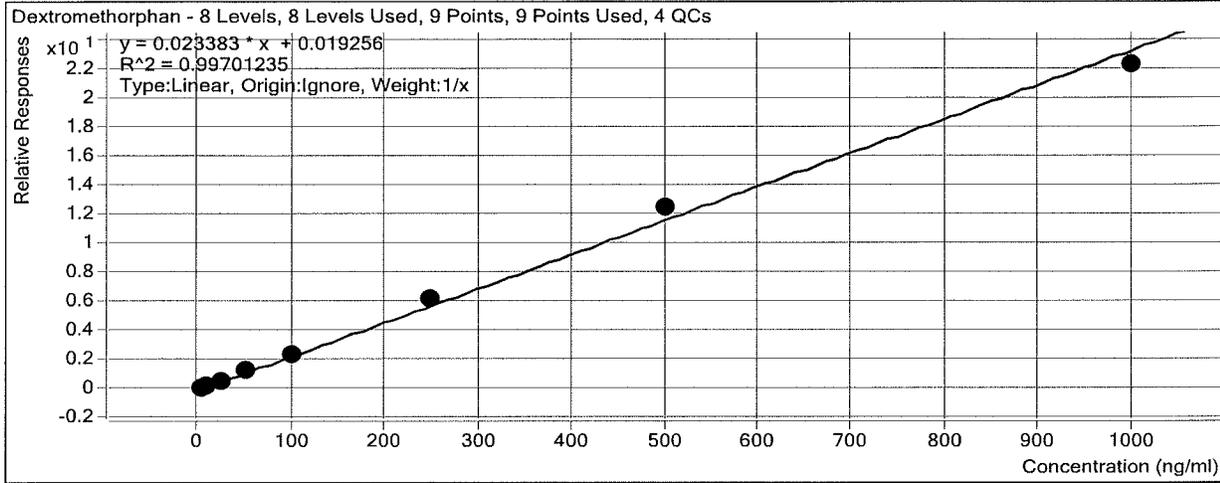
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1 - 5ng	1	<input checked="" type="checkbox"/>	5	4.7	94.6
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	10.2	102.4
a QC 10	2	<input checked="" type="checkbox"/>	10	8.6	85.9
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	10.2	102.4
a cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	23.0	91.9
a cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	53.4	106.7
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	105.8	105.8
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	94.1	94.1
a qc 100	5	<input checked="" type="checkbox"/>	100	103.4	103.4
a cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	256.1	102.5
a qc 250	6	<input checked="" type="checkbox"/>	250	270.9	108.4
a cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	526.6	105.3
a cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	966.0	96.6
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1000.3	100.0

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq1a.batch.bin

Last Calib Update 3/26/2017 8:00 AM **Analyst Name** ISP TOX

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



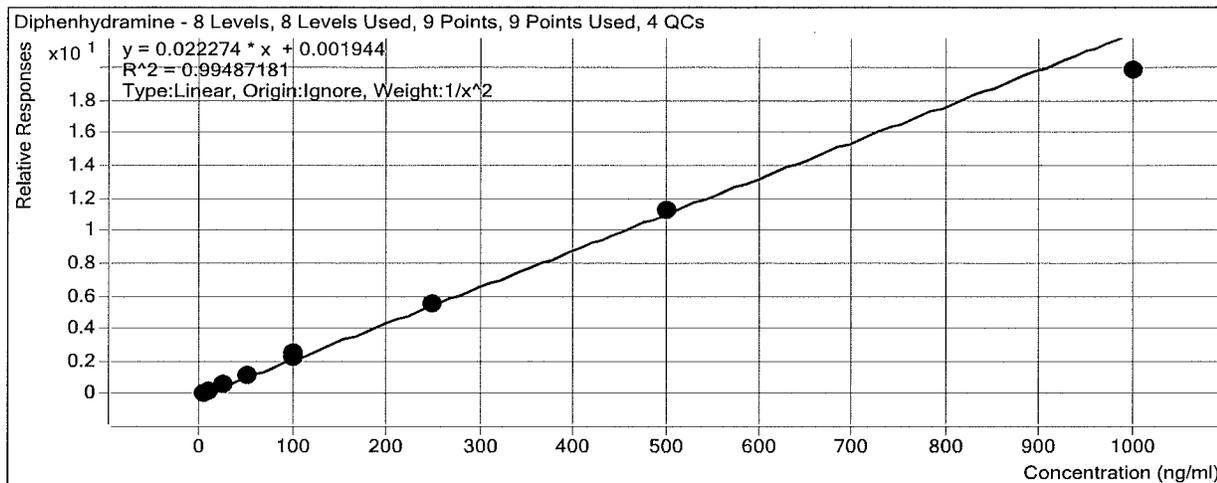
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1 - 5ng	1	<input checked="" type="checkbox"/>	5	4.7	93.3
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	10.3	103.2
a QC 10	2	<input checked="" type="checkbox"/>	10	8.9	88.6
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	10.3	103.2
a cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	22.5	90.1
a cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	51.4	102.7
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	100.3	100.3
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	103.5	103.5
a qc 100	5	<input checked="" type="checkbox"/>	100	94.2	94.2
a cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	263.4	105.3
a qc 250	6	<input checked="" type="checkbox"/>	250	231.7	92.7
a cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	531.9	106.4
a cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	952.1	95.2
a qc 1000	8	<input checked="" type="checkbox"/>	1000	967.3	96.7

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq1a.batch.bin

Last Calib Update 3/26/2017 8:00 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	99.3
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	10.1	101.0
a QC 10	2	<input checked="" type="checkbox"/>	10	9.2	91.6
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	10.1	101.0
a cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	24.4	97.6
a cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	50.6	101.2
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	113.6	113.6
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	99.0	99.0
a qc 100	5	<input checked="" type="checkbox"/>	100	94.9	94.9
a cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	246.2	98.5
a qc 250	6	<input checked="" type="checkbox"/>	250	258.9	103.5
a cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	504.0	100.8
a cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	890.7	89.1
a qc 1000	8	<input checked="" type="checkbox"/>	1000	962.5	96.2

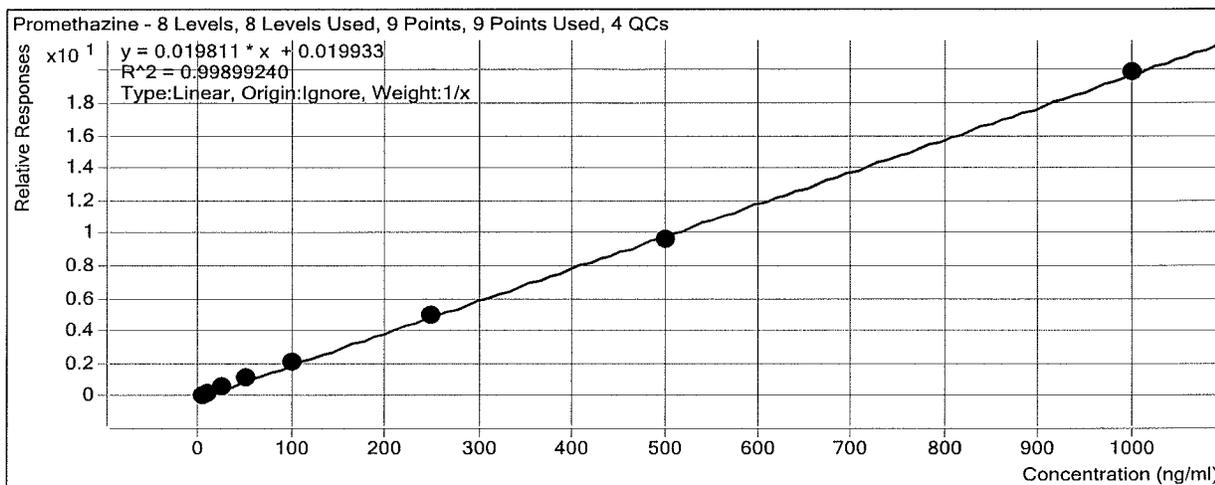
ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq1a.batch.bin

Last Calib Update 3/26/2017 8:00 AM **Analyst Name** ISP TOX

Target Compound Promethazine

Internal Standard Promethazine-D3



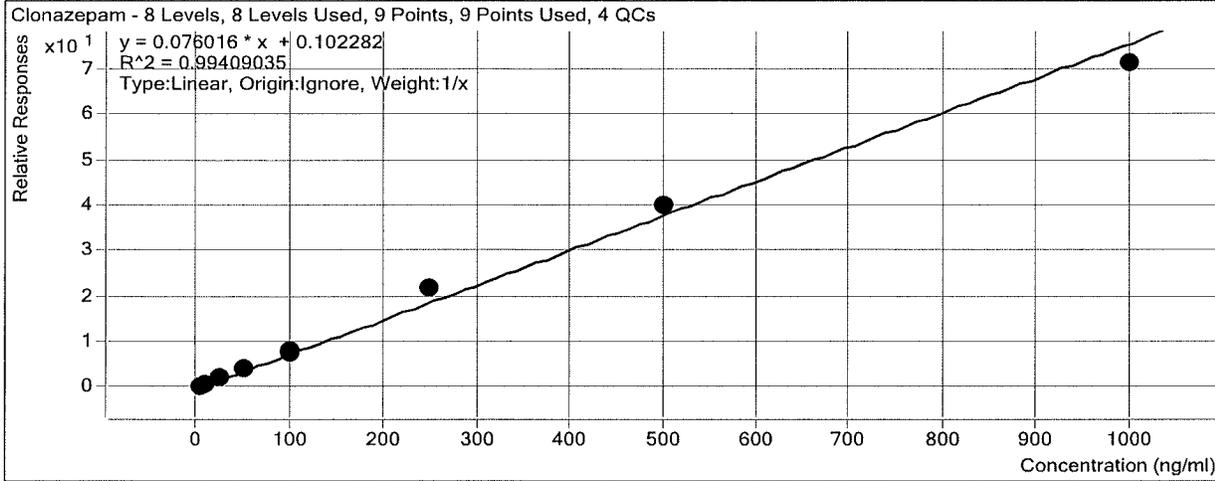
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1 - 5ng	1	<input checked="" type="checkbox"/>	5	3.8	75.4
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	10.2	102.5
a QC 10	2	<input checked="" type="checkbox"/>	10	9.3	92.5
a c2017-0276-1 blank	2	<input checked="" type="checkbox"/>	10	0.0	0.0
a cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	26.6	106.4
a cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	54.9	109.7
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	103.9	103.9
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	106.0	106.0
a qc 100	5	<input checked="" type="checkbox"/>	100	97.1	97.1
a cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	247.0	98.8
a qc 250	6	<input checked="" type="checkbox"/>	250	271.7	108.7
a cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	485.6	97.1
a cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	1002.1	100.2
a qc 1000	8	<input checked="" type="checkbox"/>	1000	949.0	94.9

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq1a.batch.bin

Last Calib Update 3/26/2017 8:00 AM **Analyst Name** ISP TOX

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



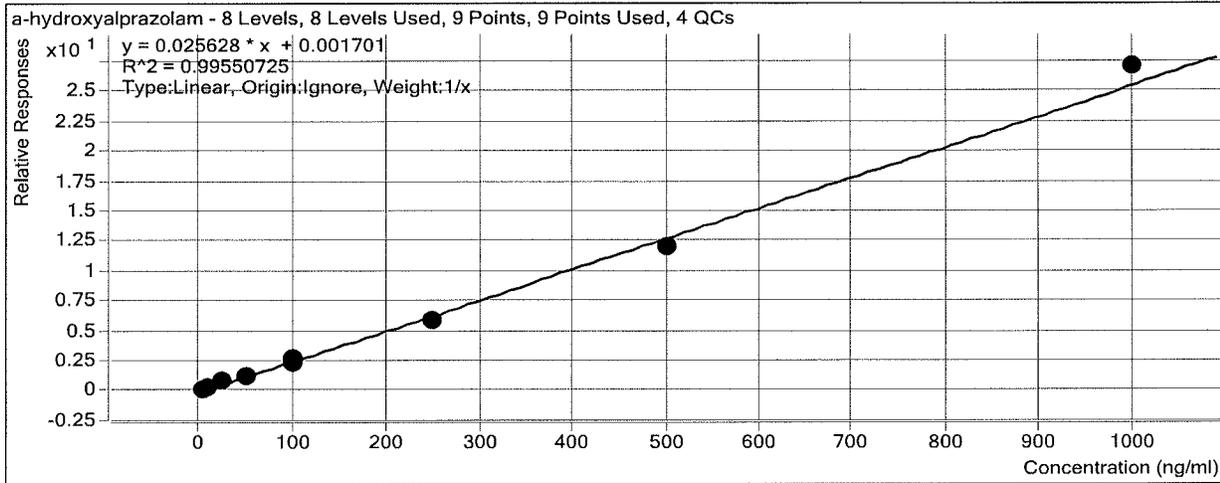
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1 - 5ng	1	<input checked="" type="checkbox"/>	5	4.5	90.7
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	7.8	78.0
a QC 10	2	<input checked="" type="checkbox"/>	10	9.2	92.2
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	7.8	78.0
a cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	28.4	113.6
a cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	50.7	101.4
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	103.0	103.0
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	101.2	101.2
a qc 100	5	<input checked="" type="checkbox"/>	100	107.8	107.8
a cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	283.9	113.6
a qc 250	6	<input checked="" type="checkbox"/>	250	246.0	98.4
a cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	523.9	104.8
a cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	936.5	93.6
a qc 1000	8	<input checked="" type="checkbox"/>	1000	864.7	86.5

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq1a.batch.bin

Last Calib Update 3/26/2017 8:00 AM **Analyst Name** ISP TOX

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



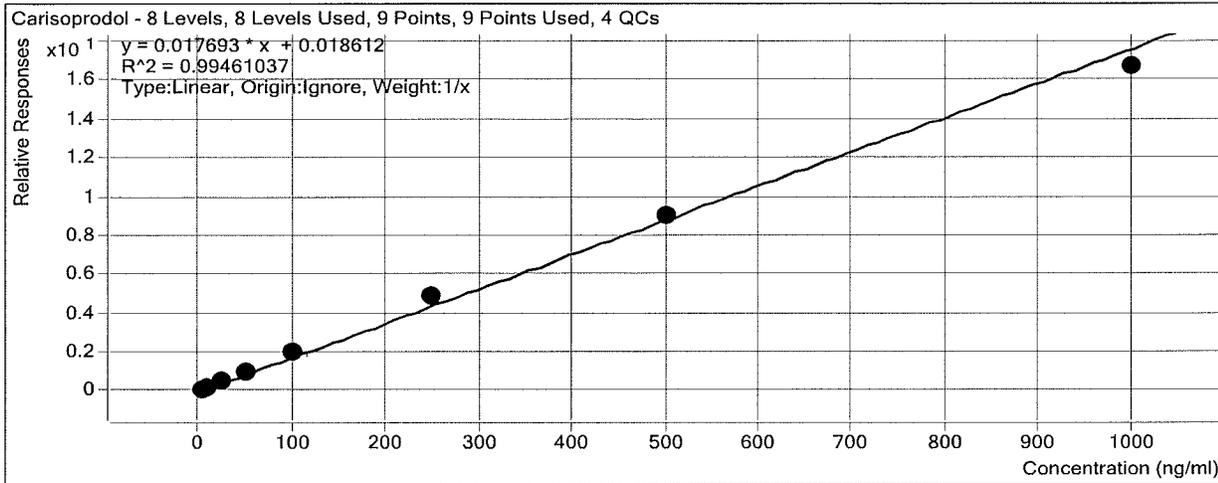
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1 - 5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.9
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	10.0	99.8
a QC 10	2	<input checked="" type="checkbox"/>	10	9.6	96.1
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	10.0	99.8
a cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	29.4	117.4
a cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	49.2	98.3
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	91.1	91.1
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	101.2	101.2
a qc 100	5	<input checked="" type="checkbox"/>	100	97.3	97.3
a cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	230.1	92.1
a qc 250	6	<input checked="" type="checkbox"/>	250	264.1	105.6
a cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	468.3	93.7
a cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	1055.7	105.6
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1049.3	104.9

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq1a.batch.bin

Last Calib Update 3/26/2017 8:00 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	3.6	71.5
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	9.2	92.0
a QC 10	2	<input checked="" type="checkbox"/>	10	9.8	97.9
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	9.2	92.0
a cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	26.1	104.3
a cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	49.9	99.9
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	114.3	114.3
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	112.5	112.5
a qc 100	5	<input checked="" type="checkbox"/>	100	101.1	101.1
a cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	274.4	109.8
a qc 250	6	<input checked="" type="checkbox"/>	250	279.3	111.7
a cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	507.6	101.5
a cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	942.4	94.2
a qc 1000	8	<input checked="" type="checkbox"/>	1000	969.8	97.0

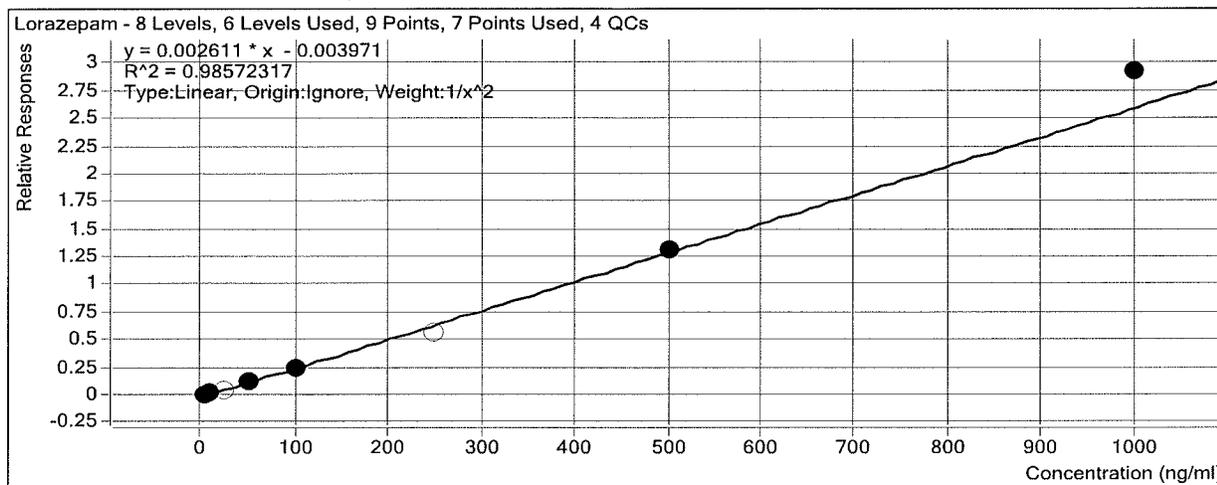
ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq1a.batch.bin

Last Calib Update 3/26/2017 8:00 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	4.6	92.8
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	11.7	117.3
a QC 10	2	<input checked="" type="checkbox"/>	10	10.6	106.1
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	11.7	117.3
a cal 3- 25ng	3	<input type="checkbox"/>	25	13.9	55.7
a cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	46.6	93.3
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	91.5	91.5
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	91.9	91.9
a qc 100	5	<input checked="" type="checkbox"/>	100	85.6	85.6
a cal 6 - 250ng	6	<input type="checkbox"/>	250	221.4	88.6
a qc 250	6	<input checked="" type="checkbox"/>	250	208.0	83.2
a cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	506.8	101.4
a cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	1119.2	111.9
a qc 1000	8	<input type="checkbox"/>	1000	1116.3	111.6

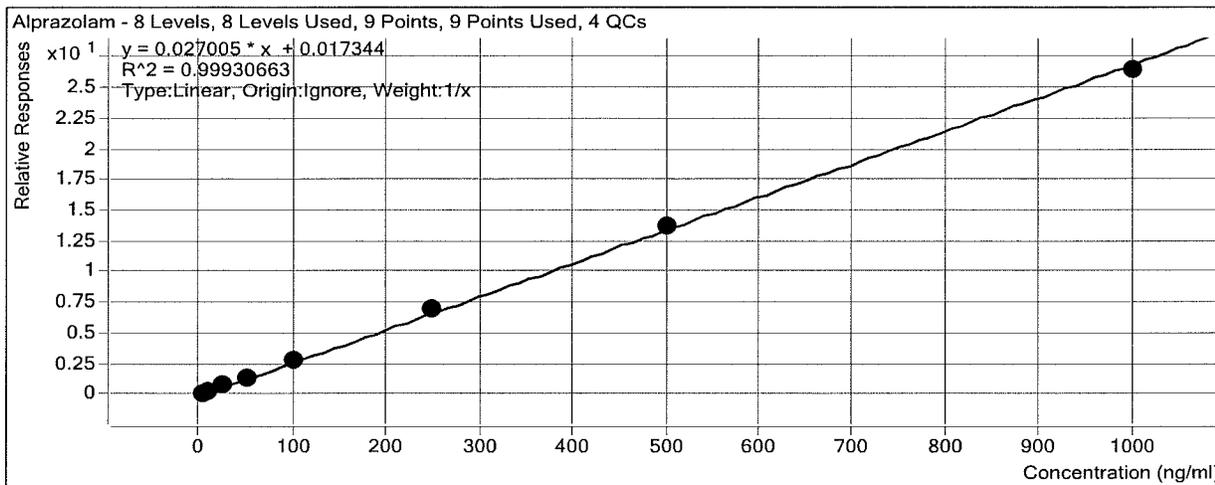
ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq1a.batch.bin

Last Calib Update 3/26/2017 8:00 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	4.5	90.5
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	9.4	94.0
a QC 10	2	<input checked="" type="checkbox"/>	10	9.8	97.8
a cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	9.4	94.0
a cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	25.8	103.0
a cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	51.5	103.0
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	103.4	103.4
a cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	104.4	104.4
a qc 100	5	<input checked="" type="checkbox"/>	100	98.2	98.2
a cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	255.9	102.3
a qc 250	6	<input checked="" type="checkbox"/>	250	268.0	107.2
a cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	508.2	101.6
a cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	976.9	97.7
a qc 1000	8	<input checked="" type="checkbox"/>	1000	987.6	98.8

ISP FORENSICS - Cd'A Instrument # 62340

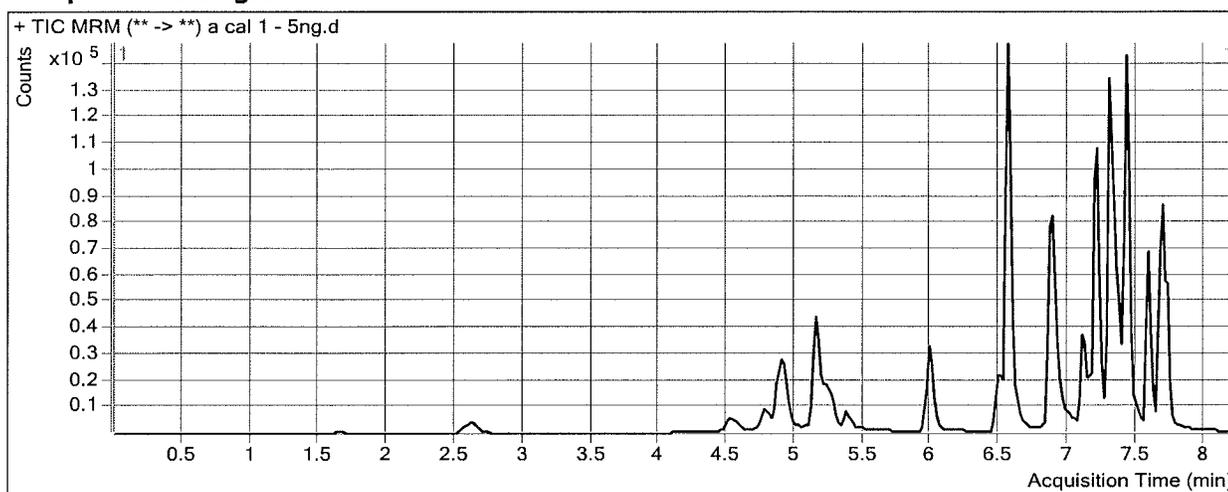
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq1a.batch.bin
Analysis Time 3/26/2017 8:00 AM **Analyst Name** ISP Tox
Report Time 3/26/2017 8:03 AM **Reporter Name** ISP Tox
Last Calib Update 3/26/2017 8:00 AM **Batch State** Processed

Analysis Info

Acq Time 2017-03-24 11:00 **Data File** a cal 1 - 5ng.d
Sample Type Calibration **Sample Name** a cal 1 - 5ng
Dilution 1 **Acq Method** Quant Panel 1a 2-13-17.m
Position P1-A1 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1 Confirmation

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.631	832	1245	0.6686	4.4006
Hydromorphone	Hydromorphone-D6	2.648	3915	22029	0.1777	4.4326
Codeine	Codeine-D6	4.573	1606	11440	0.1404	5.1219
Amphetamine	Amphetamine-D11	4.924	46759	34699	1.3476	3.7393
Oxycodone	Oxycodone-D6	4.930	7974	67252	0.1186	4.0502
Hydrocodone	Hydrocodone-D6	5.195	5231	48503	0.1078	4.8730
Norhydrocodone	Norhydrocodone-D3	5.238	466	20655	0.0226	6.4821
Methamphetamine	Methamphetamine-D11	5.263	25407	118263	0.2148	3.7503
6-MAM	6-MAM-D6	5.369	233	18649	0.0125	0.4449
Phentermine	Phentermine-D5	6.026	4209	111468	0.0378	4.7088
Dextrophan	Dextrophan-D3	6.483	4446	61990	0.0717	4.5036
7-aminoclonazepam	7-Aminoclonazepam-D4	6.575	6630	51338	0.1291	3.8831
Tramadol	Tramadol-13C-D3	6.580	47543	383825	0.1239	3.7176
Doxylamine	Doxylamine-D5	6.883	34947	319790	0.1093	4.0212
Bupropion	Bupropion-D9	7.132	13180	106756	0.1235	4.8801
Zolpidem	Zolpidem-D6	7.203	30068	279641	0.1075	3.5587
Meprobamate	Meprobamate-D7	7.213	3990	37541	0.1063	4.0070
Venlafaxine	Venlafaxine-D6	7.306	34955	296472	0.1179	3.8624
Trazodone	Trazodone-D6	7.376	14924	109176	0.1367	3.8628
Citalopram	Citalopram-D6	7.398	15748	122019	0.1291	4.7297
Dextromethorphan	Dextromethorphan-D3	7.428	2997	23359	0.1283	4.6631
Diphenhydramine	Diphenhydramine-D3	7.432	22857	203055	0.1126	4.9664
Promethazine	Promethazine-D3	7.587	14105	149052	0.0946	3.7705

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

acal 1

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.623	3548	7936	0.4470	4.5352
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.661	1436	10968	0.1310	5.0438
Carisoprodol	Carisoprodol-D7	7.693	14164	173016	0.0819	3.5749
Lorazepam	Alprazolam-D5	7.703	792	97271	0.0081	4.6400
Alprazolam	Alprazolam-D5	7.727	13570	97271	0.1395	4.5237

ISP FORENSICS - Cd'A Instrument # 62340

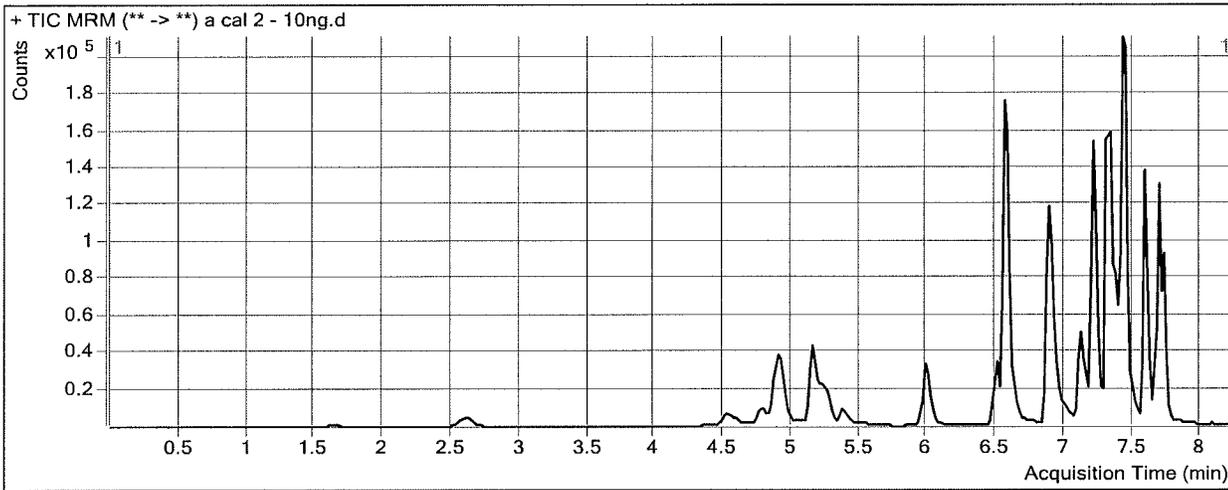
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq1a.batch.bin
Analysis Time 3/26/2017 8:00 AM **Analyst Name** ISP Tox
Report Time 3/26/2017 8:03 AM **Reporter Name** ISP Tox
Last Calib Update 3/26/2017 8:00 AM **Batch State** Processed

Analysis Info

Acq Time 2017-03-24 11:25 **Data File** a cal 2 - 10ng.d
Sample Type Calibration **Sample Name** a cal 2 - 10ng
Dilution 1 **Acq Method** Quant Panel 1a 2-13-17.m
Position P1-B1 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1 Confirmation

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.651	1785	1378	1.2956	9.8856
Hydromorphone	Hydromorphone-D6	2.628	8569	24876	0.3445	9.6274
Codeine	Codeine-D6	4.593	3596	12687	0.2834	10.3054
Amphetamine	Amphetamine-D11	4.924	65100	35207	1.8491	9.1260
Oxycodone	Oxycodone-D6	4.930	20693	81290	0.2546	9.8468
Hydrocodone	Hydrocodone-D6	5.195	11911	55788	0.2135	10.3254
Norhydrocodone	Norhydrocodone-D3	5.258	966	23002	0.0420	10.7833
Methamphetamine	Methamphetamine-D11	5.263	37795	101834	0.3711	9.3682
6-MAM	6-MAM-D6	5.389	642	21854	0.0294	1.0868
Phentermine	Phentermine-D5	6.046	8771	115071	0.0762	10.5503
Dextroprphan	Dextroprphan-D3	6.504	11457	76563	0.1496	10.1224
7-aminoclonazepam	7-Aminoclonazepam-D4	6.575	14827	56997	0.2601	9.4482
Tramadol	Tramadol-13C-D3	6.580	109828	443280	0.2478	9.7095
Doxylamine	Doxylamine-D5	6.903	83114	387331	0.2146	9.3513
Bupropion	Bupropion-D9	7.152	28760	125934	0.2284	9.6462
Zolpidem	Zolpidem-D6	7.223	70696	317299	0.2228	9.7804
Meprobamate	Meprobamate-D7	7.234	8609	39703	0.2168	9.7140
Venlafaxine	Venlafaxine-D6	7.326	93278	356889	0.2614	10.2530
Trazodone	Trazodone-D6	7.376	40620	161073	0.2522	8.7713
Citalopram	Citalopram-D6	7.418	47365	186464	0.2540	10.2427
Dextromethorphan	Dextromethorphan-D3	7.428	9417	36139	0.2606	10.3207
Diphenhydramine	Diphenhydramine-D3	7.452	65096	286992	0.2268	10.0962
Promethazine	Promethazine-D3	7.587	53058	237955	0.2230	10.2489

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

a cal 2

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.623	6787	9760	0.6954	7.8020
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.681	3221	12511	0.2575	9.9804
Carisoprodol	Carisoprodol-D7	7.693	34855	192121	0.1814	9.2018
Lorazepam	Alprazolam-D5	7.723	2974	111630	0.0266	11.7264
Alprazolam	Alprazolam-D5	7.727	30265	111630	0.2711	9.3973



ISP FORENSICS - Cd'A Instrument # 62340

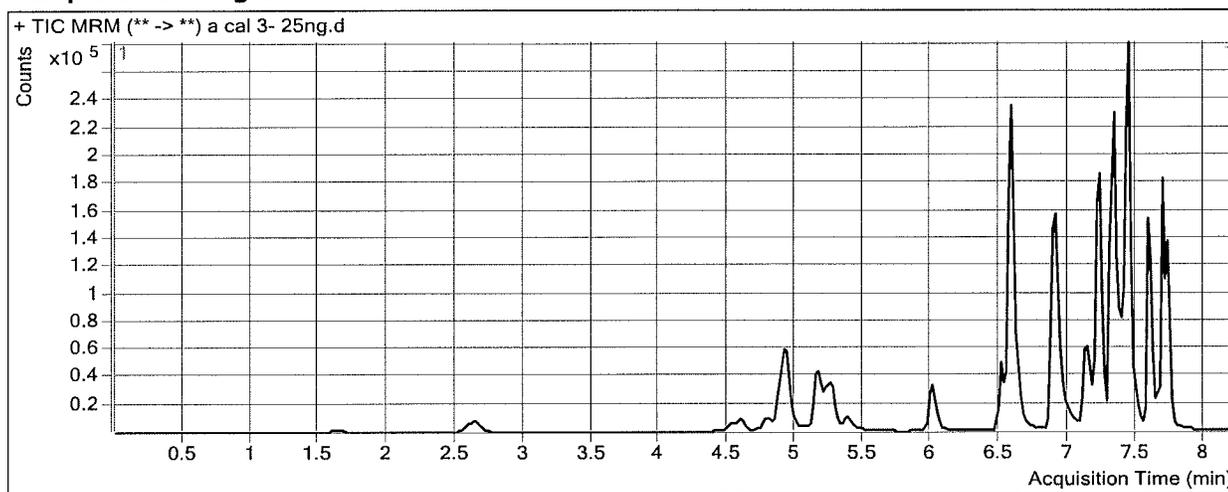
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq1a.batch.bin
Analysis Time 3/26/2017 8:00 AM **Analyst Name** ISP Tox
Report Time 3/26/2017 8:03 AM **Reporter Name** ISP Tox
Last Calib Update 3/26/2017 8:00 AM **Batch State** Processed

Analysis Info

Acq Time 2017-03-24 11:51 **Data File** a cal 3- 25ng.d
Sample Type Calibration **Sample Name** a cal 3- 25ng
Dilution 1 **Acq Method** Quant Panel 1a 2-13-17.m
Position P1-C1 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1 Confirmation

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.651	4544	1514	3.0013	24.8056
Hydromorphone	Hydromorphone-D6	2.648	20326	24469	0.8307	24.7717
Codeine	Codeine-D6	4.593	8619	12710	0.6781	24.6101
Amphetamine	Amphetamine-D11	4.924	117746	34150	3.4479	26.2999
Oxycodone	Oxycodone-D6	4.930	46539	82579	0.5636	23.0182
Hydrocodone	Hydrocodone-D6	5.195	27527	56999	0.4829	24.2302
Norhydrocodone	Norhydrocodone-D3	5.259	2189	22343	0.0980	23.1645
Methamphetamine	Methamphetamine-D11	5.263	76861	93748	0.8199	25.4958
6-MAM	6-MAM-D6	5.409	1456	21733	0.0670	2.5146
Phentermine	Phentermine-D5	6.046	19940	107528	0.1854	27.1369
Dextrophan	Dextrophan-D3	6.504	27443	77600	0.3537	24.8347
7-aminoclonazepam	7-Aminoclonazepam-D4	6.595	36941	58017	0.6367	25.4468
Tramadol	Tramadol-13C-D3	6.580	259466	446117	0.5816	25.8550
Doxylamine	Doxylamine-D5	6.903	207557	382492	0.5426	25.9573
Bupropion	Bupropion-D9	7.152	62750	119538	0.5249	23.1199
Zolpidem	Zolpidem-D6	7.223	171441	332602	0.5155	25.5742
Meprobamate	Meprobamate-D7	7.234	20405	37826	0.5395	26.3729
Venlafaxine	Venlafaxine-D6	7.326	214789	352477	0.6094	25.7552
Trazodone	Trazodone-D6	7.396	87965	141979	0.6196	24.3851
Citalopram	Citalopram-D6	7.418	93262	171809	0.5428	22.9853
Dextromethorphan	Dextromethorphan-D3	7.449	17684	32382	0.5461	22.5315
Diphenhydramine	Diphenhydramine-D3	7.452	138525	253938	0.5455	24.4037
Promethazine	Promethazine-D3	7.587	127861	233769	0.5470	26.6021

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

a cal 3

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.623	17884	7908	2.2614	28.4039
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.681	7401	9815	0.7540	29.3544
Carisoprodol	Carisoprodol-D7	7.693	89602	186612	0.4801	26.0857
Lorazepam	Alprazolam-D5	7.703	3501	108221	0.0324	13.9128
Alprazolam	Alprazolam-D5	7.727	77132	108221	0.7127	25.7501



ISP FORENSICS - Cd'A Instrument # 62340

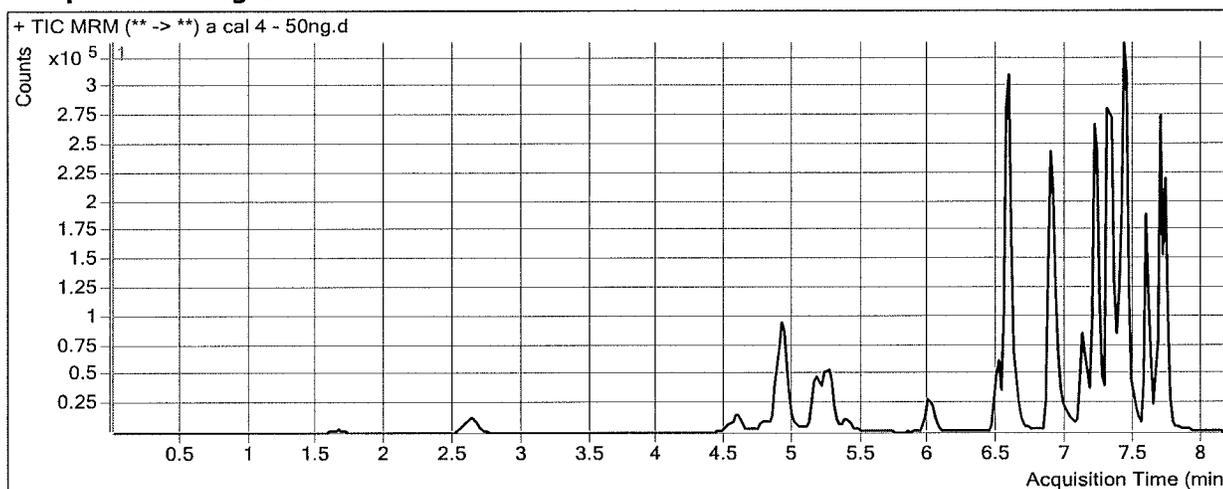
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq1a.batch.bin		
Analysis Time	3/26/2017 8:00 AM	Analyst Name	ISP Tox
Report Time	3/26/2017 8:03 AM	Reporter Name	ISP Tox
Last Calib Update	3/26/2017 8:00 AM	Batch State	Processed

Analysis Info

Acq Time	2017-03-24 12:16	Data File	a cal 4 - 50ng.d
Sample Type	Calibration	Sample Name	a cal 4 - 50ng
Dilution	1	Acq Method	Quant Panel 1a 2-13-17.m
Position	P1-D1	Sample Info	
Inj Vol	-1	Comment	AM 28 Panel 1 Confirmation

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.631	9279	1545	6.0067	51.0954
Hydromorphone	Hydromorphone-D6	2.648	42176	25057	1.6832	51.3262
Codeine	Codeine-D6	4.593	17104	12565	1.3612	49.3722
Amphetamine	Amphetamine-D11	4.924	187800	30281	6.2019	55.8818
Oxycodone	Oxycodone-D6	4.930	103487	83128	1.2449	52.0600
Hydrocodone	Hydrocodone-D6	5.195	59674	55819	1.0691	54.4765
Norhydrocodone	Norhydrocodone-D3	5.258	4259	22089	0.1928	44.1314
Methamphetamine	Methamphetamine-D11	5.263	132453	81571	1.6238	54.3898
6-MAM	6-MAM-D6	5.389	3052	21878	0.1395	5.2695
Phentermine	Phentermine-D5	6.026	35288	97916	0.3604	53.7056
Dextrophan	Dextrophan-D3	6.504	51302	70813	0.7245	51.5760
7-aminoclonazepam	7-Aminoclonazepam-D4	6.575	75986	57341	1.3252	54.6934
Tramadol	Tramadol-13C-D3	6.580	516362	441967	1.1683	54.2298
Doxylamine	Doxylamine-D5	6.883	404579	371281	1.0897	53.6476
Bupropion	Bupropion-D9	7.132	119406	99254	1.2030	53.9265
Zolpidem	Zolpidem-D6	7.223	347507	329054	1.0561	54.7510
Meprobamate	Meprobamate-D7	7.234	41646	39111	1.0648	53.4986
Venlafaxine	Venlafaxine-D6	7.306	416904	345514	1.2066	52.3601
Trazodone	Trazodone-D6	7.396	165649	122568	1.3515	55.4925
Citalopram	Citalopram-D6	7.418	179326	145620	1.2315	53.3689
Dextromethorphan	Dextromethorphan-D3	7.428	33746	27656	1.2202	51.3604
Diphenhydramine	Diphenhydramine-D3	7.452	253106	224240	1.1287	50.5879
Promethazine	Promethazine-D3	7.587	199500	180244	1.1068	54.8628

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

a cal 4

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.623	37334	9432	3.9581	50.7242
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.681	15018	11907	1.2613	49.1501
Carisoprodol	Carisoprodol-D7	7.693	170323	188795	0.9022	49.9375
Lorazepam	Alprazolam-D5	7.723	12956	110013	0.1178	46.6278
Alprazolam	Alprazolam-D5	7.727	154956	110013	1.4085	51.5156



ISP FORENSICS - Cd'A Instrument # 62340

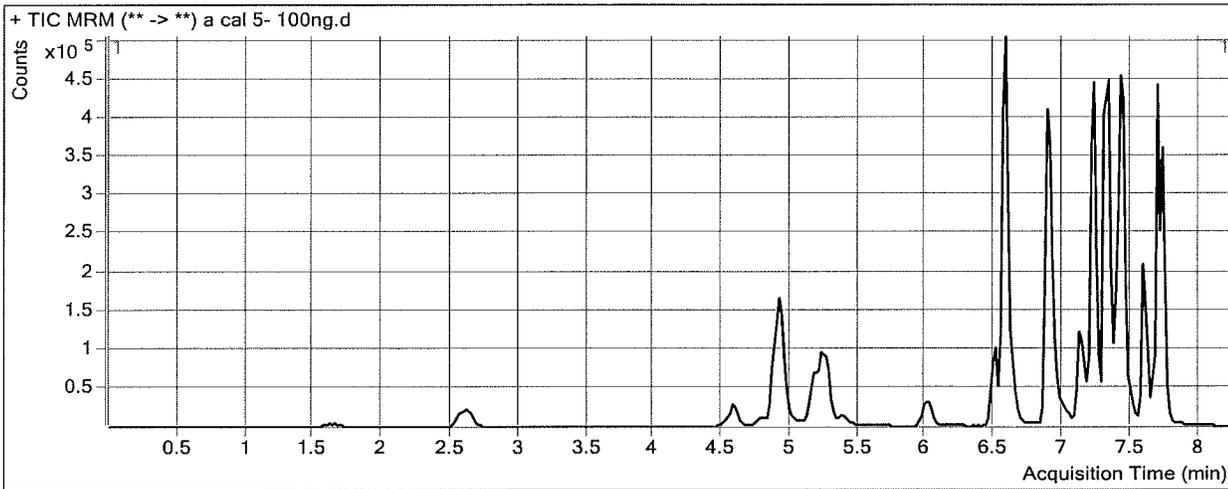
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq1a.batch.bin		
Analysis Time	3/26/2017 8:00 AM	Analyst Name	ISP Tox
Report Time	3/26/2017 8:03 AM	Reporter Name	ISP Tox
Last Calib Update	3/26/2017 8:00 AM	Batch State	Processed

Analysis Info

Acq Time	2017-03-24 12:42	Data File	a cal 5- 100ng.d
Sample Type	Calibration	Sample Name	a cal 5- 100ng
Dilution	1	Acq Method	Quant Panel 1a 2-13-17.m
Position	P1-E1	Sample Info	
Inj Vol	-1	Comment	AM 28 Panel 1 Confirmation

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.631	17889	1406	12.7267	109.8792
Hydromorphone	Hydromorphone-D6	2.608	83686	24622	3.3989	104.7666
Codeine	Codeine-D6	4.593	34826	12397	2.8093	101.8580
Amphetamine	Amphetamine-D11	4.924	334108	29347	11.3849	111.5558
Oxycodone	Oxycodone-D6	4.930	211513	80980	2.6119	110.3281
Hydrocodone	Hydrocodone-D6	5.195	117116	56506	2.0726	106.2652
Norhydrocodone	Norhydrocodone-D3	5.259	9010	21000	0.4290	96.3699
Methamphetamine	Methamphetamine-D11	5.263	250453	80118	3.1261	108.3838
6-MAM	6-MAM-D6	5.389	5812	22079	0.2632	9.9710
Phentermine	Phentermine-D5	6.026	70260	99008	0.7096	106.7431
Dextroprphan	Dextroprphan-D3	6.504	101270	71072	1.4249	102.0857
7-aminoclonazepam	7-Aminoclonazepam-D4	6.575	147677	58113	2.5412	106.3558
Tramadol	Tramadol-13C-D3	6.580	1014837	453055	2.2400	106.0574
Doxylamine	Doxylamine-D5	6.883	797001	376470	2.1170	105.6504
Bupropion	Bupropion-D9	7.132	200634	91051	2.2035	99.3798
Zolpidem	Zolpidem-D6	7.223	679160	334720	2.0290	107.2605
Meprobamate	Meprobamate-D7	7.234	80172	38402	2.0877	106.3131
Venlafaxine	Venlafaxine-D6	7.326	822272	343983	2.3904	105.0944
Trazodone	Trazodone-D6	7.396	289981	113297	2.5595	106.8327
Citalopram	Citalopram-D6	7.418	291525	120491	2.4195	105.7849
Dextromethorphan	Dextromethorphan-D3	7.428	53544	22655	2.3635	100.2531
Diphenhydramine	Diphenhydramine-D3	7.452	414287	163648	2.5316	113.5697
Promethazine	Promethazine-D3	7.587	284755	137049	2.0778	103.8715

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

a cal 5

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.623	67724	8538	7.9322	103.0040
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.681	30938	13238	2.3371	91.1261
Carisoprodol	Carisoprodol-D7	7.693	341096	167200	2.0401	114.2504
Lorazepam	Alprazolam-D5	7.723	24820	105638	0.2350	91.5120
Alprazolam	Alprazolam-D5	7.727	296806	105638	2.8096	103.3988



ISP FORENSICS - Cd'A Instrument # 62340

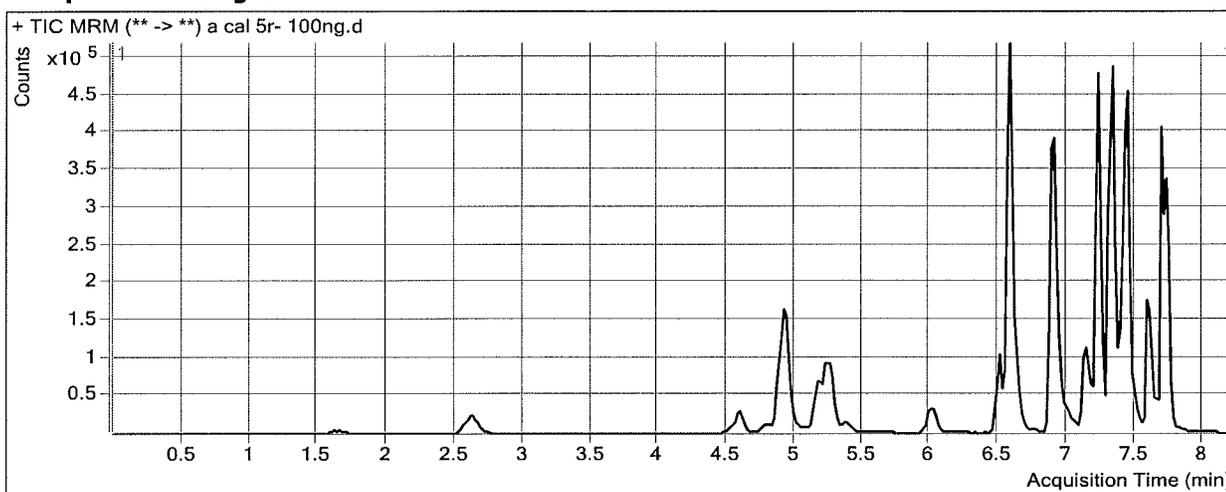
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq1a.batch.bin
Analysis Time 3/26/2017 8:00 AM **Analyst Name** ISP Tox
Report Time 3/26/2017 8:03 AM **Reporter Name** ISP Tox
Last Calib Update 3/26/2017 8:00 AM **Batch State** Processed

Analysis Info

Acq Time 2017-03-24 13:48 **Data File** a cal 5r- 100ng.d
Sample Type Calibration **Sample Name** a cal 5- 100ng
Dilution 1 **Acq Method** Quant Panel 1a 2-13-17.m
Position P1-E1 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1 Confirmation

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.631	18073	1526	11.8422	102.1413
Hydromorphone	Hydromorphone-D6	2.628	82014	23818	3.4433	106.1513
Codeine	Codeine-D6	4.593	34458	12642	2.7256	98.8250
Amphetamine	Amphetamine-D11	4.924	331411	29506	11.2322	109.9150
Oxycodone	Oxycodone-D6	4.930	205522	81245	2.5297	106.8230
Hydrocodone	Hydrocodone-D6	5.195	117496	54846	2.1423	109.8605
Norhydrocodone	Norhydrocodone-D3	5.258	7986	20349	0.3924	88.2746
Methamphetamine	Methamphetamine-D11	5.263	250384	79367	3.1548	109.4158
6-MAM	6-MAM-D6	5.389	5632	22187	0.2539	9.6146
Phentermine	Phentermine-D5	6.026	69506	98860	0.7031	105.7467
Dextroprphan	Dextroprphan-D3	6.504	100780	68500	1.4712	105.4287
7-aminoclonazepam	7-Aminoclonazepam-D4	6.575	149144	58451	2.5516	106.7969
Tramadol	Tramadol-13C-D3	6.580	1017807	452266	2.2505	106.5639
Doxylamine	Doxylamine-D5	6.903	794242	372389	2.1328	106.4497
Bupropion	Bupropion-D9	7.152	205738	84928	2.4225	109.3282
Zolpidem	Zolpidem-D6	7.223	696512	337625	2.0630	109.0919
Meprobamate	Meprobamate-D7	7.234	80700	40632	1.9861	101.0698
Venlafaxine	Venlafaxine-D6	7.326	808642	335178	2.4126	106.0802
Trazodone	Trazodone-D6	7.396	286427	105202	2.7226	113.7678
Citalopram	Citalopram-D6	7.418	258316	119844	2.1554	94.1359
Dextromethorphan	Dextromethorphan-D3	7.449	49493	20291	2.4391	103.4891
Diphenhydramine	Diphenhydramine-D3	7.452	377179	170919	2.2068	98.9878
Promethazine	Promethazine-D3	7.587	274828	129673	2.1194	105.9732

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

a calsr

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.623	71905	9224	7.7958	101.2091
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.681	30319	11684	2.5950	101.1909
Carisoprodol	Carisoprodol-D7	7.693	342846	170673	2.0088	112.4832
Lorazepam	Alprazolam-D5	7.723	24346	103191	0.2359	91.8880
Alprazolam	Alprazolam-D5	7.727	292846	103191	2.8379	104.4450



ISP FORENSICS - Cd'A Instrument # 62340

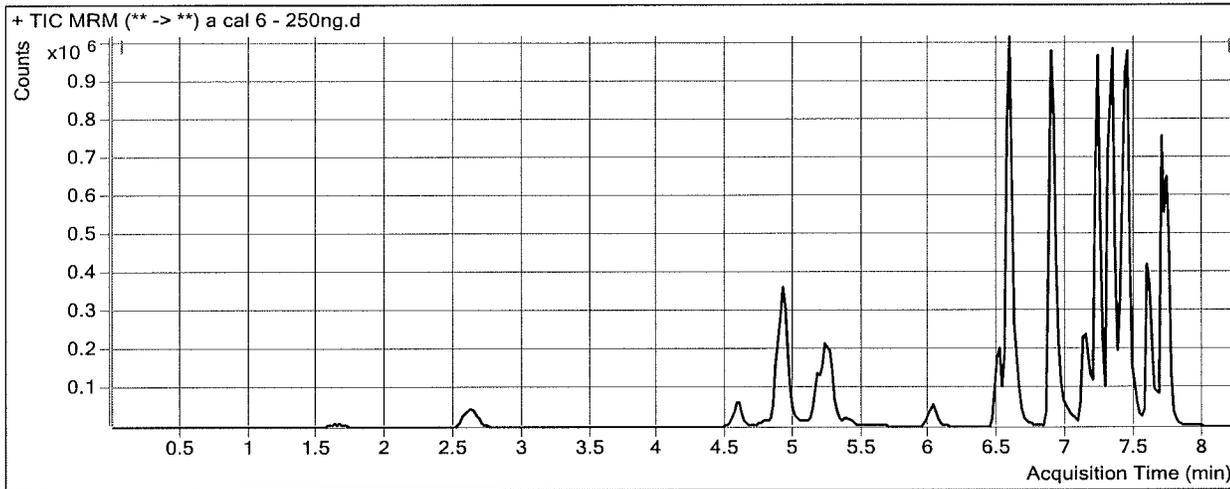
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq1a.batch.bin
Analysis Time 3/26/2017 8:00 AM **Analyst Name** ISP Tox
Report Time 3/26/2017 8:03 AM **Reporter Name** ISP Tox
Last Calib Update 3/26/2017 8:00 AM **Batch State** Processed

Analysis Info

Acq Time 2017-03-24 14:14 **Data File** a cal 6 - 250ng.d
Sample Type Calibration **Sample Name** a cal 6 - 250ng
Dilution 1 **Acq Method** Quant Panel 1a 2-13-17.m
Position P1-F1 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1 Confirmation

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.631	42509	1461	29.0975	253.0822
Hydromorphone	Hydromorphone-D6	2.628	199562	23873	8.3594	259.2789
Codeine	Codeine-D6	4.593	83504	12297	6.7907	246.1695
Amphetamine	Amphetamine-D11	4.924	711830	28869	24.6568	254.1167
Oxycodone	Oxycodone-D6	4.930	468220	77240	6.0619	257.3843
Hydrocodone	Hydrocodone-D6	5.175	286093	60006	4.7677	245.3444
Norhydrocodone	Norhydrocodone-D3	5.238	20969	19927	1.0523	234.1838
Methamphetamine	Methamphetamine-D11	5.243	597504	80668	7.4069	262.2436
6-MAM	6-MAM-D6	5.389	14126	20893	0.6761	25.6557
Phentermine	Phentermine-D5	6.026	164284	96982	1.6940	256.2271
Dextroprphan	Dextroprphan-D3	6.504	244419	70122	3.4856	250.6935
7-aminoclonazepam	7-Aminoclonazepam-D4	6.575	341569	55216	6.1860	261.1996
Tramadol	Tramadol-13C-D3	6.580	2445439	442833	5.5223	264.7948
Doxylamine	Doxylamine-D5	6.883	2059887	395369	5.2100	262.2131
Bupropion	Bupropion-D9	7.152	473665	88342	5.3617	242.8590
Zolpidem	Zolpidem-D6	7.223	1686619	341614	4.9372	264.2101
Meprobamate	Meprobamate-D7	7.234	184609	36210	5.0983	261.7609
Venlafaxine	Venlafaxine-D6	7.326	1995872	343547	5.8096	257.4033
Trazodone	Trazodone-D6	7.396	765421	119697	6.3946	269.8311
Citalopram	Citalopram-D6	7.418	694370	119163	5.8271	256.1320
Dextromethorphan	Dextromethorphan-D3	7.449	141844	22961	6.1777	263.3732
Diphenhydramine	Diphenhydramine-D3	7.452	1040405	189622	5.4867	246.2438
Promethazine	Promethazine-D3	7.587	770004	156727	4.9130	246.9859

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

a cal 6

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.623	162188	7479	21.6844	283.9156
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.681	67492	11441	5.8993	230.1254
Carisoprodol	Carisoprodol-D7	7.693	730515	149886	4.8738	274.4108
Lorazepam	Alprazolam-D5	7.723	54198	94404	0.5741	221.4141
Alprazolam	Alprazolam-D5	7.727	653910	94404	6.9267	255.8547



ISP FORENSICS - Cd'A Instrument # 62340

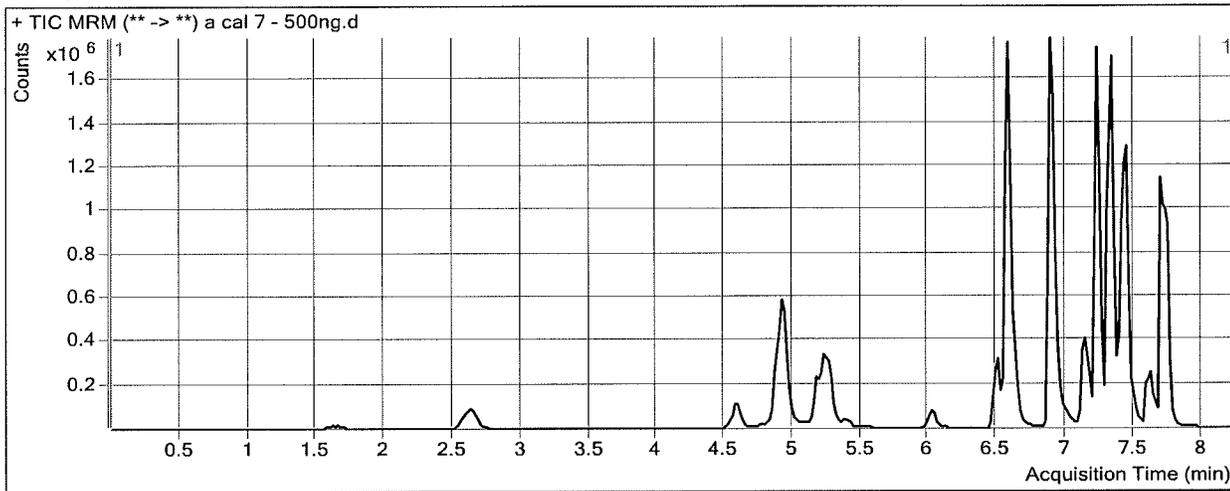
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq1a.batch.bin
Analysis Time 3/26/2017 8:00 AM **Analyst Name** ISP Tox
Report Time 3/26/2017 8:03 AM **Reporter Name** ISP Tox
Last Calib Update 3/26/2017 8:00 AM **Batch State** Processed

Analysis Info

Acq Time 2017-03-24 14:39 **Data File** a cal 7 - 500ng.d
Sample Type Calibration **Sample Name** a cal 7 - 500ng
Dilution 1 **Acq Method** Quant Panel 1a 2-13-17.m
Position P1-G1 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1 Confirmation

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.631	78552	1370	57.3172	499.9335
Hydromorphone	Hydromorphone-D6	2.628	378061	23158	16.3254	507.4090
Codeine	Codeine-D6	4.593	155699	11808	13.1860	477.9762
Amphetamine	Amphetamine-D11	4.924	1136835	25435	44.6958	469.3656
Oxycodone	Oxycodone-D6	4.930	1005588	75619	13.2980	565.8227
Hydrocodone	Hydrocodone-D6	5.175	528935	58226	9.0842	468.0975
Norhydrocodone	Norhydrocodone-D3	5.238	37622	16815	2.2374	496.2487
Methamphetamine	Methamphetamine-D11	5.243	939673	65510	14.3441	511.5752
6-MAM	6-MAM-D6	5.389	26580	20835	1.2757	48.4353
Phentermine	Phentermine-D5	6.026	278999	92534	3.0151	456.8582
Dextrorphan	Dextrorphan-D3	6.504	407068	59409	6.8520	493.4559
7-aminoclonazepam	7-Aminoclonazepam-D4	6.575	576493	47105	12.2385	518.3270
Tramadol	Tramadol-13C-D3	6.580	4583323	430792	10.6393	512.2648
Doxylamine	Doxylamine-D5	6.883	3817306	380118	10.0424	506.8203
Bupropion	Bupropion-D9	7.152	823074	74580	11.0362	500.6567
Zolpidem	Zolpidem-D6	7.223	3172490	336809	9.4193	506.1013
Meprobamate	Meprobamate-D7	7.234	336061	34317	9.7929	504.1626
Venlafaxine	Venlafaxine-D6	7.326	3582975	315652	11.3510	504.2496
Trazodone	Trazodone-D6	7.396	1266753	102625	12.3435	522.6626
Citalopram	Citalopram-D6	7.418	894475	74800	11.9582	526.6446
Dextromethorphan	Dextromethorphan-D3	7.449	155707	12499	12.4573	531.9251
Diphenhydramine	Diphenhydramine-D3	7.452	1366438	121700	11.2279	504.0008
Promethazine	Promethazine-D3	7.607	426451	44237	9.6402	485.5958

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

a cal 7

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.623	308087	7716	39.9281	523.9137
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.681	142744	11891	12.0041	468.3355
Carisoprodol	Carisoprodol-D7	7.693	1257079	139674	9.0001	507.6253
Lorazepam	Alprazolam-D5	7.723	108571	82298	1.3192	506.8128
Alprazolam	Alprazolam-D5	7.747	1130958	82298	13.7422	508.2313



ISP FORENSICS - Cd'A Instrument # 62340

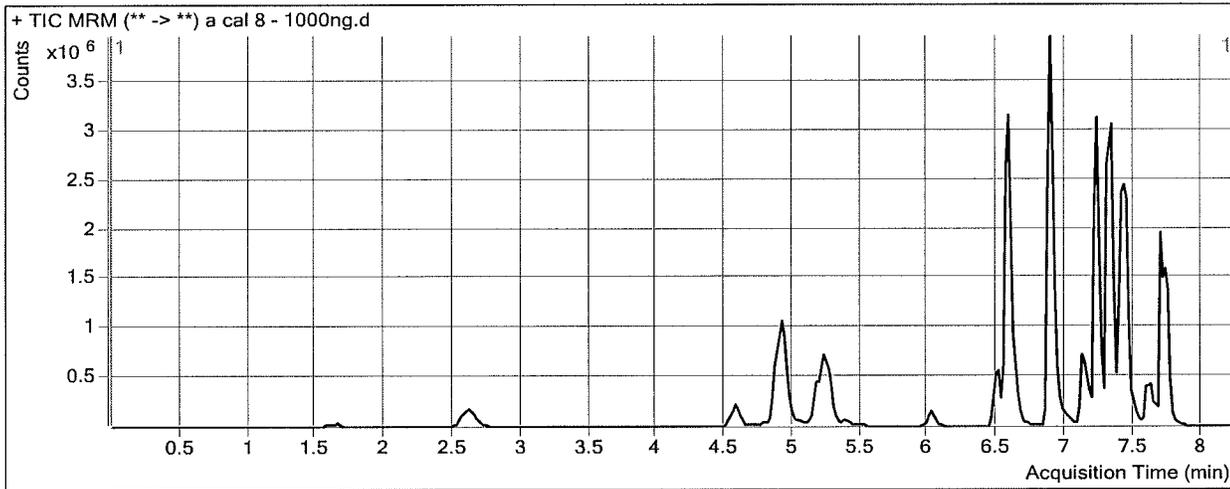
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq1a.batch.bin
Analysis Time 3/26/2017 8:00 AM **Analyst Name** ISP Tox
Report Time 3/26/2017 8:03 AM **Reporter Name** ISP Tox
Last Calib Update 3/26/2017 8:00 AM **Batch State** Processed

Analysis Info

Acq Time 2017-03-24 15:05 **Data File** a cal 8 - 1000ng.d
Sample Type Calibration **Sample Name** a cal 8 - 1000ng
Dilution 1 **Acq Method** Quant Panel 1a 2-13-17.m
Position P1-H1 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1 Confirmation

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.631	149895	1330	112.7437	984.7764
Hydromorphone	Hydromorphone-D6	2.608	765536	24498	31.2484	972.2364
Codeine	Codeine-D6	4.573	307228	10857	28.2989	1025.7615
Amphetamine	Amphetamine-D11	4.904	2059199	26014	79.1570	839.5321
Oxycodone	Oxycodone-D6	4.910	1837931	85932	21.3882	910.6667
Hydrocodone	Hydrocodone-D6	5.175	1046149	63070	16.5872	855.2850
Norhydrocodone	Norhydrocodone-D3	5.238	72256	15380	4.6980	1040.3617
Methamphetamine	Methamphetamine-D11	5.243	2041238	76474	26.6920	955.3776
6-MAM	6-MAM-D6	5.389	57800	21733	2.6596	101.0076
Phentermine	Phentermine-D5	6.026	544569	93901	5.7994	879.6913
Dextroprphan	Dextroprphan-D3	6.483	767659	55472	13.8388	997.2996
7-aminoclonazepam	7-Aminoclonazepam-D4	6.575	1023783	45521	22.4901	953.8492
Tramadol	Tramadol-13C-D3	6.580	9177322	462770	19.8313	956.8071
Doxylamine	Doxylamine-D5	6.883	8278889	433186	19.1116	965.8891
Bupropion	Bupropion-D9	7.132	1628563	74215	21.9438	996.2037
Zolpidem	Zolpidem-D6	7.223	6335412	355451	17.8236	959.6719
Meprobamate	Meprobamate-D7	7.234	569833	30190	18.8749	973.1010
Venlafaxine	Venlafaxine-D6	7.326	7442467	339567	21.9175	974.9417
Trazodone	Trazodone-D6	7.396	3139519	142504	22.0311	934.3941
Citalopram	Citalopram-D6	7.418	1617005	73783	21.9156	965.9760
Dextromethorphan	Dextromethorphan-D3	7.428	285426	12810	22.2818	952.0838
Diphenhydramine	Diphenhydramine-D3	7.452	2712414	136714	19.8401	890.6505
Promethazine	Promethazine-D3	7.587	830949	41814	19.8726	1002.0894

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

a cal 8

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.623	517799	7263	71.2906	936.4924
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.681	276786	10230	27.0567	1055.6935
Carisoprodol	Carisoprodol-D7	7.693	1973176	118203	16.6931	942.4304
Lorazepam	Alprazolam-D5	7.723	202674	69456	2.9180	1119.1882
Alprazolam	Alprazolam-D5	7.747	1833501	69456	26.3982	976.8833

ISP FORENSICS - Cd'A Instrument # 62340

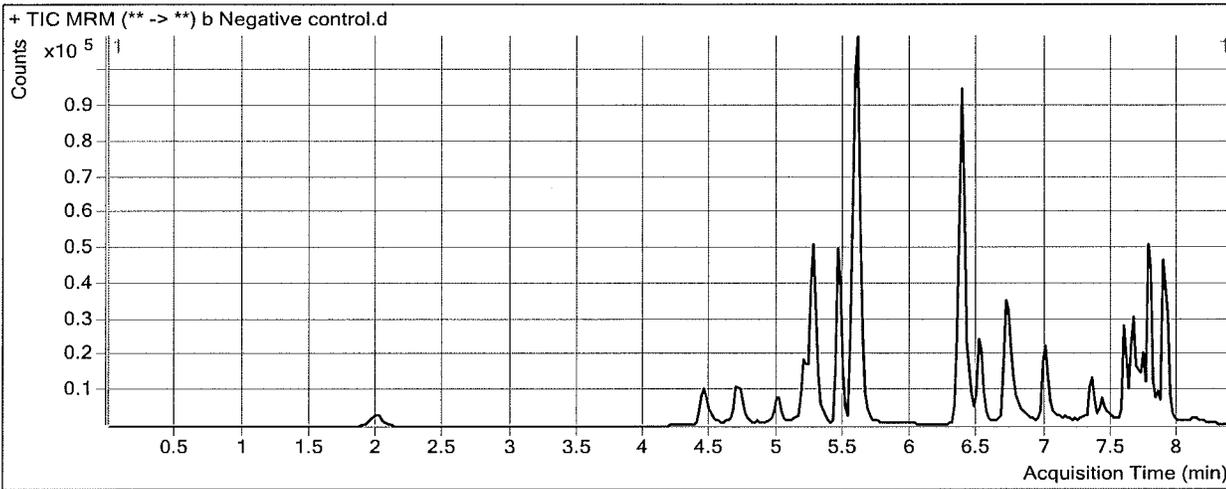
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq 1b.batch.bin
Analysis Time 3/26/2017 9:06 AM **Analyst Name** ISP Tox
Report Time 3/26/2017 9:11 AM **Reporter Name** ISP Tox
Last Calib Update 3/26/2017 9:06 AM **Batch State** Processed

Analysis Info

Acq Time 2017-03-24 16:08 **Data File** b Negative control.d
Sample Type Sample **Sample Name** b Negative control
Dilution 1 **Acq Method** Quant Panel 1b 11-18-2016.m
Position P1-F2 **Sample Info**
Inj Vol -1 **Comment** lot 321632-1; AM 28 Panel 1 Confirmation

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Temazepam	Temazepam-D5	7.788	755	117788	0.0064	0.0000 <i>LS</i>

ISP FORENSICS - Cd'A Instrument # 62340

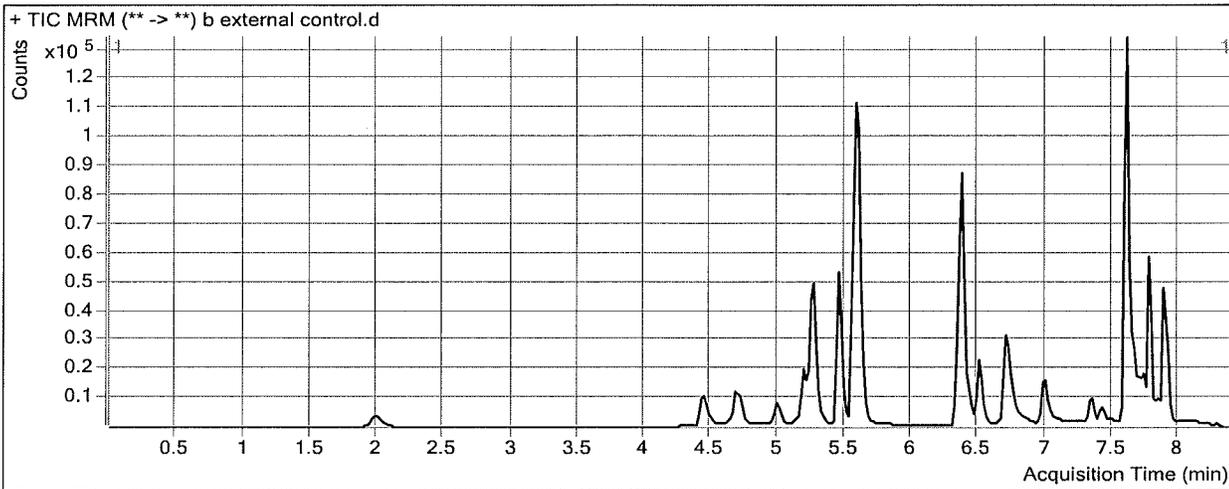
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq 1b.batch.bin
Analysis Time 3/26/2017 9:06 AM **Analyst Name** ISP Tox
Report Time 3/26/2017 9:11 AM **Reporter Name** ISP Tox
Last Calib Update 3/26/2017 9:06 AM **Batch State** Processed

Analysis Info

Acq Time 2017-03-24 16:34 **Data File** b external control.d
Sample Type Sample **Sample Name** b external control
Dilution 1 **Acq Method** Quant Panel 1b 11-18-2016.m
Position P1-G2 **Sample Info**
Inj Vol -1 **Comment** lot 51017 50 ng quetiapine

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
✓ Quetiapine	Quetiapine-D8	7.600	192742	43992	4.3813	50.8845
Buprenorphine	Buprenorphine-D4	7.757	0	12886	0.0000	0.0000 <i>LS</i>

ISP FORENSICS - Cd'A Instrument # 62340

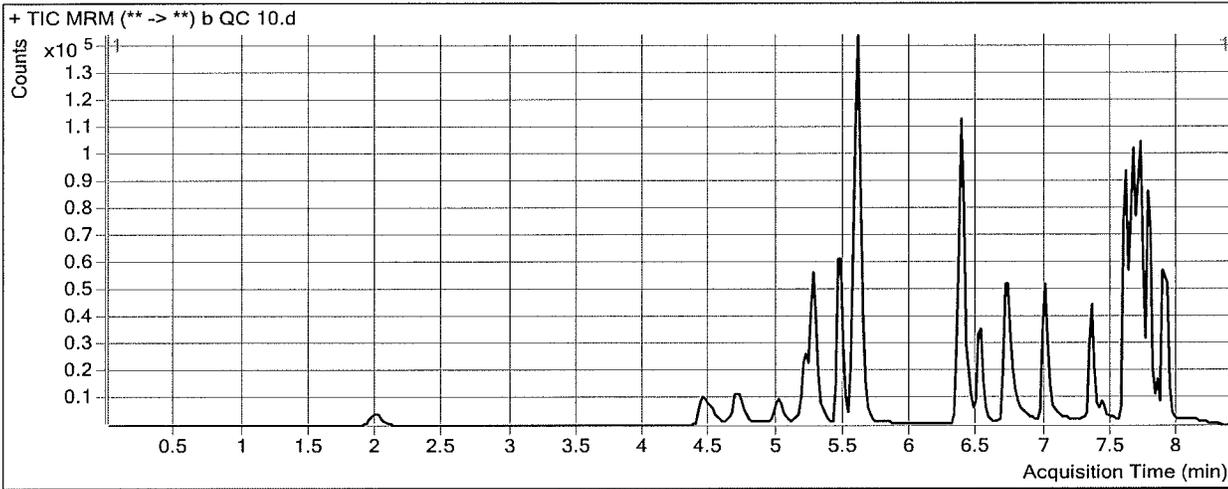
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq 1b.batch.bin		
Analysis Time	3/26/2017 9:06 AM	Analyst Name	ISP Tox
Report Time	3/26/2017 9:11 AM	Reporter Name	ISP Tox
Last Calib Update	3/26/2017 9:06 AM	Batch State	Processed

Analysis Info

Acq Time	2017-03-24 16:59	Data File	b QC 10.d
Sample Type	QC	Sample Name	b QC 10
Dilution	1	Acq Method	Quant Panel 1b 11-18-2016.m
Position	P1-A2	Sample Info	
Inj Vol	-1	Comment	AM 28 Panel 1 Confirmation

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	2.029	5612	22947	0.2446	8.8719
Dihydrocodeine	Dihydrocodeine-D6	4.516	10823	48289	0.2241	9.2268
Naloxone	Naloxone-D5	4.753	6563	53246	0.1233	7.4329
Noroxycodone	Noroxycodone-D3	5.037	7978	33289	0.2397	9.0946
Naltrexone	Naltrexone-D3	5.212	13023	56566	0.2302	9.3069
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.324	4437	194297	0.0228	0.9310
Naltrexol	Naltrexol-D3	5.471	43879	158917	0.2761	9.2335
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.598	97725	390495	0.2503	9.1277
Ketamine	Ketamine-D4	6.361	32006	125654	0.2547	8.8516
Norfentanyl	Norfentanyl-D5	6.404	5324	244261	0.0218	0.9870
alpha-PVP	alpha-PVP-d8	6.729	45977	205392	0.2239	8.4422
Acetyl Fentanyl	Acetyl Fentanyl-D5	7.001	3575	159498	0.0224	1.1106
Norbuprenorphine	Norbuprenorphine-D3	7.295	130	4305	0.0302	0.9564
Fentanyl	Fentanyl-D5	7.339	2440	115541	0.0211	0.7142
EDDP	EDDP-D3	7.431	3309	14714	0.2249	10.2021
Sufentanil	Sufentanil-D5	7.599	1979	75549	0.0262	0.8734
Quetiapine	Quetiapine-D8	7.600	69020	79632	0.8667	9.3047
Cyclobenzaprine	Cyclobenzaprine-D3	7.653	12780	52322	0.2443	9.3388
Methadone	Methadone-D9	7.664	31886	153834	0.2073	8.2990
Fluoxetine	Fluoxetine-D6	7.705	37286	162201	0.2299	8.7799
Oxazepam	Oxazepam-D5	7.730	3949	15556	0.2539	9.5150
Sertraline	Sertraline-D3	7.767	8484	38671	0.2194	9.3856
Temazepam	Temazepam-D5	7.788	24694	117342	0.2104	8.3632

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

b QC 10

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Buprenorphine	Buprenorphine-D4	7.757	767	35125	0.0218	1.0345
Nordiazepam	Nordiazepam-D5	7.856	6249	18438	0.3389	8.6917
Diazepam	Diazepam-D5	7.911	27422	98079	0.2796	10.2423



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

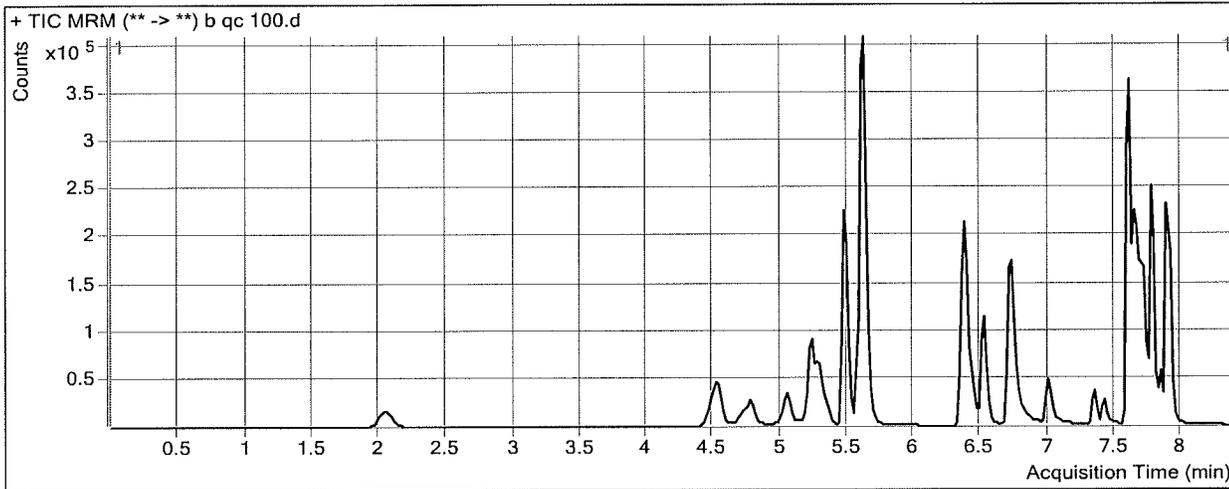
b qc 100

Batch Data Path D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq 1b.batch.bin
Analysis Time 3/26/2017 9:06 AM **Analyst Name** ISP Tox
Report Time 3/26/2017 9:11 AM **Reporter Name** ISP Tox
Last Calib Update 3/26/2017 9:06 AM **Batch State** Processed

Analysis Info

Acq Time 2017-03-24 19:57 **Data File** b qc 100.d
Sample Type QC **Sample Name** b qc 100
Dilution 1 **Acq Method** Quant Panel 1b 11-18-2016.m
Position P1-B2 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1 Confirmation

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	2.049	61638	25370	2.4296	99.3456
Dihydrocodeine	Dihydrocodeine-D6	4.516	120752	55444	2.1779	100.9581
Naloxone	Naloxone-D5	4.773	80311	56252	1.4277	112.2853
Noroxycodone	Noroxycodone-D3	5.057	83434	35074	2.3788	100.3451
Naltrexone	Naltrexone-D3	5.232	117676	63460	1.8543	83.5133
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.344	46114	204036	0.2260	9.1636
Naltrexol	Naltrexol-D3	5.471	439985	166126	2.6485	98.6910
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.618	1021148	430660	2.3711	101.0704
Ketamine	Ketamine-D4	6.382	336946	132092	2.5508	103.7692
Norfentanyl	Norfentanyl-D5	6.404	53776	258434	0.2081	8.9510
alpha-PVP	alpha-PVP-d8	6.729	459720	201961	2.2763	100.5617
Acetyl Fentanyl	Acetyl Fentanyl-D5	7.021	23290	120049	0.1940	10.1440
Norbuprenorphine	Norbuprenorphine-D3	7.315	607	3463	0.1751	8.7464
Fentanyl	Fentanyl-D5	7.339	16862	75977	0.2219	9.3284
EDDP	EDDP-D3	7.431	40884	19129	2.1373	96.3641
Sufentanil	Sufentanil-D5	7.579	11663	51529	0.2263	9.5780
Quetiapine	Quetiapine-D8	7.600	576639	63267	9.1144	106.8816
Cyclobenzaprine	Cyclobenzaprine-D3	7.633	79875	32693	2.4432	102.8595
Methadone	Methadone-D9	7.664	214261	107908	1.9856	100.8193
Fluoxetine	Fluoxetine-D6	7.705	228455	108906	2.0977	97.6285
Oxazepam	Oxazepam-D5	7.730	36567	15693	2.3302	100.1429
Sertraline	Sertraline-D3	7.767	58554	24669	2.3736	107.2548
Temazepam	Temazepam-D5	7.788	275234	126632	2.1735	99.5200

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

b QC 100

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Buprenorphine	Buprenorphine-D4	7.757	5357	21601	0.2480	8.3964
Nordiazepam	Nordiazepam-D5	7.856	55236	17778	3.1070	90.6367
Diazepam	Diazepam-D5	7.891	276264	99653	2.7723	101.9527

ISP FORENSICS - Cd'A Instrument # 62340

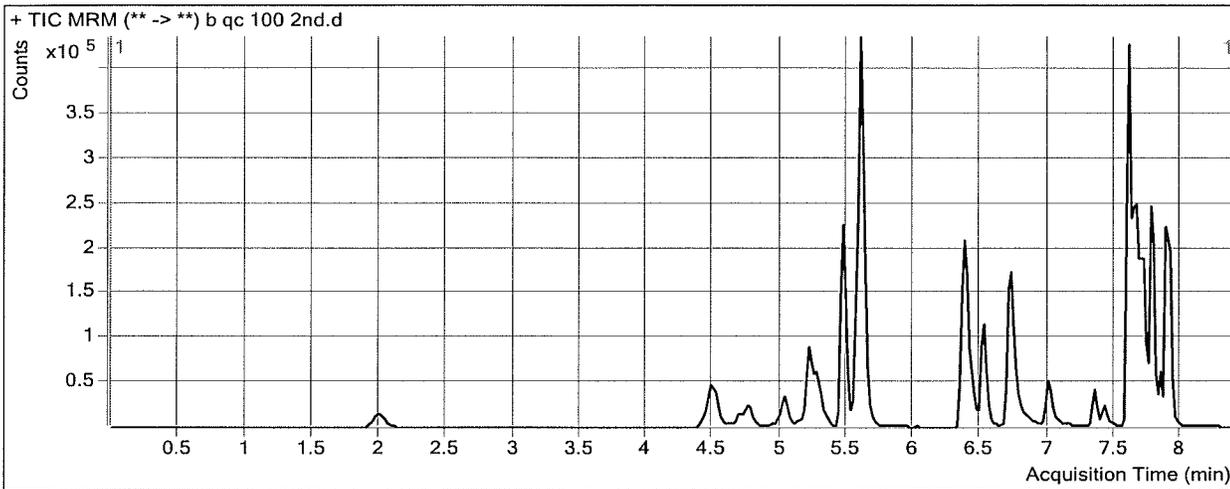
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq 1b.batch.bin		
Analysis Time	3/26/2017 9:06 AM	Analyst Name	ISP Tox
Report Time	3/26/2017 9:11 AM	Reporter Name	ISP Tox
Last Calib Update	3/26/2017 9:06 AM	Batch State	Processed

Analysis Info

Acq Time	2017-03-24 23:19	Data File	b qc 100 2nd.d
Sample Type	Sample	Sample Name	b qc 100 2nd
Dilution	1	Acq Method	Quant Panel 1b 11-18-2016.m
Position	P1-E2	Sample Info	
Inj Vol	-1	Comment	AM 28 Panel 1 Confirmation

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	2.009	60447	23704	2.5500	104.3322
Dihydrocodeine	Dihydrocodeine-D6	4.496	119820	51485	2.3273	107.9712
Naloxone	Naloxone-D5	4.753	76132	49961	1.5238	120.0126
Noroxycodone	Noroxycodone-D3	5.037	84268	32289	2.6098	110.2005
Naltrexone	Naltrexone-D3	5.212	123951	53394	2.3214	104.8551
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.324	46463	187230	0.2482	10.0611
Naltrexol	Naltrexol-D3	5.471	432093	147312	2.9332	109.4260
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.598	1033175	394603	2.6183	111.7843
Ketamine	Ketamine-D4	6.382	341981	123831	2.7617	112.4849
Norfentanyl	Norfentanyl-D5	6.404	54966	240843	0.2282	9.8119
alpha-PVP	alpha-PVP-d8	6.729	456609	175928	2.5954	114.8859
Acetyl Fentanyl	Acetyl Fentanyl-D5	7.021	26091	126428	0.2064	10.7952
Norbuprenorphine	Norbuprenorphine-D3	7.295	797	2642	0.3018	15.5539
Fentanyl	Fentanyl-D5	7.339	19298	83896	0.2300	9.6753
EDDP	EDDP-D3	7.431	40457	17465	2.3165	104.4387
Sufentanil	Sufentanil-D5	7.599	14147	56164	0.2519	10.6887
Quetiapine	Quetiapine-D8	7.600	625641	65302	9.5807	112.3982
Cyclobenzaprine	Cyclobenzaprine-D3	7.633	93359	35490	2.6305	110.8270
Methadone	Methadone-D9	7.664	246376	112387	2.1922	111.5689
Fluoxetine	Fluoxetine-D6	7.705	270004	113031	2.3888	111.4724
Oxazepam	Oxazepam-D5	7.730	36534	14209	2.5711	110.6604
Sertraline	Sertraline-D3	7.767	66770	28337	2.3563	106.4705
Temazepam	Temazepam-D5	7.788	271446	110991	2.4457	112.1578

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

b QC 100 2nd

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Buprenorphine	Buprenorphine-D4	7.757	5719	20306	0.2817	9.4926
Nordiazepam	Nordiazepam-D5	7.856	64236	16815	3.8203	111.7525
Diazepam	Diazepam-D5	7.891	285183	98408	2.8980	106.5772



ISP FORENSICS - Cd'A Instrument # 62340

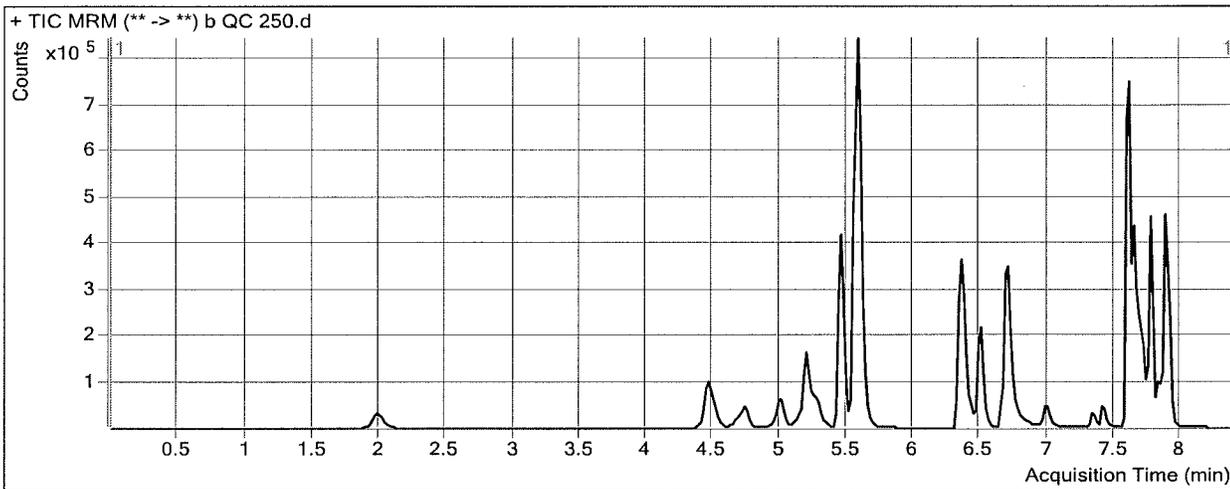
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq 1b.batch.bin
Analysis Time 3/26/2017 9:06 AM **Analyst Name** ISP Tox
Report Time 3/26/2017 9:11 AM **Reporter Name** ISP Tox
Last Calib Update 3/26/2017 9:06 AM **Batch State** Processed

Analysis Info

Acq Time 2017-03-24 23:57 **Data File** b QC 250.d
Sample Type QC **Sample Name** b QC 250
Dilution 1 **Acq Method** Quant Panel 1b 11-18-2016.m
Position P1-C2 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1 Confirmation

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	2.009	141096	21501	6.5622	270.4595
Dihydrocodeine	Dihydrocodeine-D6	4.477	278119	47524	5.8522	273.4658
Naloxone	Naloxone-D5	4.733	149849	43087	3.4778	277.0783
Noroxycodone	Noroxycodone-D3	5.017	183121	30271	6.0495	256.9280
Naltrexone	Naltrexone-D3	5.192	279138	46621	5.9874	272.3564
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.304	112485	174602	0.6442	26.1103
Naltrexol	Naltrexol-D3	5.451	941889	132585	7.1040	266.6994
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.579	2381495	376814	6.3201	272.2635
Ketamine	Ketamine-D4	6.361	782962	114370	6.8459	281.3171
Norfentanyl	Norfentanyl-D5	6.404	135358	228231	0.5931	25.4097
alpha-PVP	alpha-PVP-d8	6.709	1030723	168937	6.1012	272.2370
Acetyl Fentanyl	Acetyl Fentanyl-D5	7.001	47420	94256	0.5031	26.4163
Norbuprenorphine	Norbuprenorphine-D3	7.275	1293	2176	0.5945	31.2929
Fentanyl	Fentanyl-D5	7.339	29884	49376	0.6052	25.7709
EDDP	EDDP-D3	7.410	93258	15952	5.8461	263.4626
Sufentanil	Sufentanil-D5	7.579	17862	29068	0.6145	26.4598
Quetiapine	Quetiapine-D8	7.600	1331736	58557	22.7425	268.1142
Cyclobenzaprine	Cyclobenzaprine-D3	7.633	122980	19386	6.3439	268.7553
Methadone	Methadone-D9	7.643	411680	76910	5.3527	276.0011
Fluoxetine	Fluoxetine-D6	7.685	329769	56469	5.8398	275.6277
Oxazepam	Oxazepam-D5	7.730	71935	10984	6.5494	284.3062
Sertraline	Sertraline-D3	7.746	86635	14424	6.0065	272.3083
Temazepam	Temazepam-D5	7.768	565010	88814	6.3617	294.0044

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

b QC 250

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Buprenorphine	Buprenorphine-D4	7.757	8454	12076	0.7000	23.1114
Nordiazepam	Nordiazepam-D5	7.856	135078	14651	9.2197	271.5959
Diazepam	Diazepam-D5	7.891	542725	68128	7.9662	293.0480



ISP FORENSICS - Cd'A Instrument # 62340

Multi-Drug Confirmatory Analysis Report

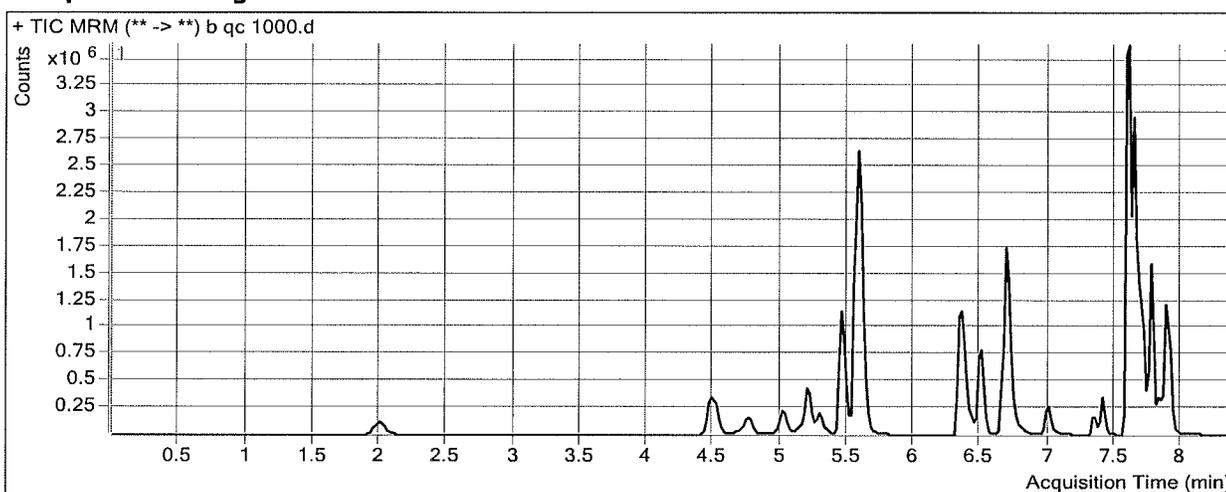
b QC 1000

Batch Data Path	D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq 1b.batch.bin		
Analysis Time	3/26/2017 9:06 AM	Analyst Name	ISP Tox
Report Time	3/26/2017 9:11 AM	Reporter Name	ISP Tox
Last Calib Update	3/26/2017 9:06 AM	Batch State	Processed

Analysis Info

Acq Time	2017-03-25 00:35	Data File	b qc 1000.d
Sample Type	QC	Sample Name	b qc 1000
Dilution	1	Acq Method	Quant Panel 1b 11-18-2016.m
Position	P1-D2	Sample Info	
Inj Vol	-1	Comment	AM 28 Panel 1 Confirmation

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	2.009	567198	24236	23.4035	967.7899
Dihydrocodeine	Dihydrocodeine-D6	4.496	1013535	55265	18.3396	859.7553
Naloxone	Naloxone-D5	4.753	588788	48585	12.1188	971.6503
Noroxycodone	Noroxycodone-D3	5.017	682337	30663	22.2526	948.1164
Naltrexone	Naltrexone-D3	5.192	832601	46255	18.0002	821.2247
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.304	488384	189466	2.5777	104.4541
Naltrexol	Naltrexol-D3	5.451	2970643	126103	23.5574	887.1200
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.579	8866417	395590	22.4131	969.9221
Ketamine	Ketamine-D4	6.341	3155925	134925	23.3902	965.2306
Norfentanyl	Norfentanyl-D5	6.404	603709	254878	2.3686	101.3152
alpha-PVP	alpha-PVP-d8	6.688	4824275	216390	22.2943	999.0348
Acetyl Fentanyl	Acetyl Fentanyl-D5	7.001	411461	217555	1.8913	99.4990
Norbuprenorphine	Norbuprenorphine-D3	7.275	6685	3804	1.7576	93.8173
Fentanyl	Fentanyl-D5	7.339	248647	110617	2.2478	96.2316
EDDP	EDDP-D3	7.410	654229	31315	20.8922	941.3608
Sufentanil	Sufentanil-D5	7.579	187055	77990	2.3985	104.0457
Quetiapine	Quetiapine-D8	7.600	6660701	96654	68.9126	814.3456
Cyclobenzaprine	Cyclobenzaprine-D3	7.633	919106	41576	22.1066	939.1394
Methadone	Methadone-D9	7.643	2859283	151703	18.8479	978.1131
Fluoxetine	Fluoxetine-D6	7.685	2144844	101135	21.2077	1006.6372
Oxazepam	Oxazepam-D5	7.730	287306	11951	24.0396	1047.7338
Sertraline	Sertraline-D3	7.746	523781	24863	21.0670	956.5437
Temazepam	Temazepam-D5	7.768	2006322	89740	22.3570	1036.7603

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

b QC 1000

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Buprenorphine	Buprenorphine-D4	7.757	42565	14809	2.8742	93.8868
Nordiazepam	Nordiazepam-D5	7.856	453016	13896	32.6015	963.7792
Diazepam	Diazepam-D5	7.891	1795613	62168	28.8831	1062.6233



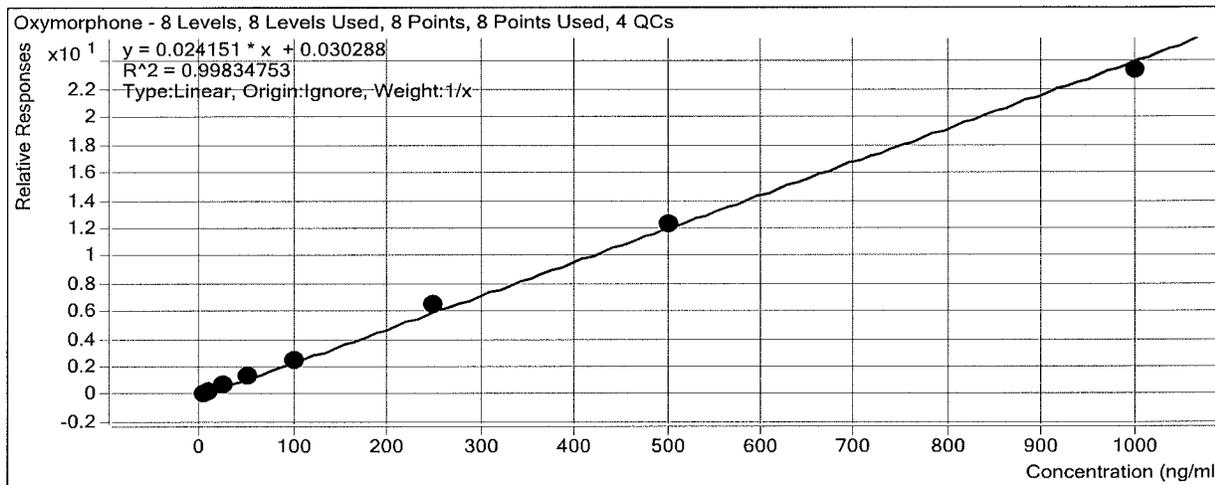
ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq 1b.batch.bin

Last Calib Update 3/26/2017 9:06 AM **Analyst Name** ISP TOX

Target Compound Oxymorphone

Internal Standard Oxymorphone-D3



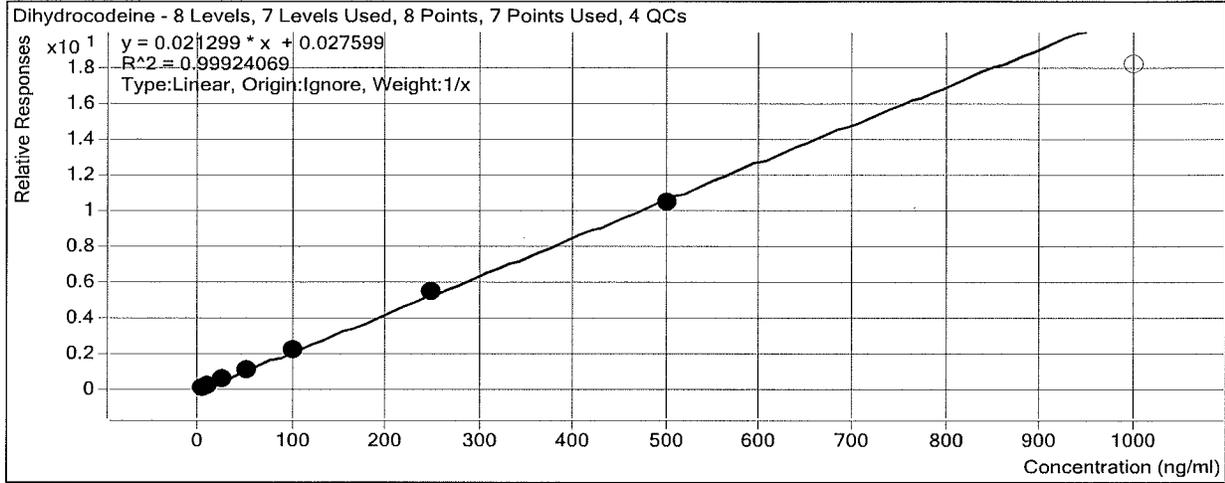
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b cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	9.7	97.5
b QC 10	2	<input checked="" type="checkbox"/>	10	8.9	88.7
b cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	25.2	100.8
b cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	52.7	105.5
b cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	103.3	103.3
b qc 100	5	<input checked="" type="checkbox"/>	100	99.3	99.3
b cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	267.3	106.9
b QC 250	6	<input checked="" type="checkbox"/>	250	270.5	108.2
b cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	511.1	102.2
b cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	966.3	96.6
b qc 1000	8	<input checked="" type="checkbox"/>	1000	967.8	96.8

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq 1b.batch.bin

Last Calib Update 3/26/2017 9:06 AM **Analyst Name** ISP TOX

Target Compound Dihydrocodeine
Internal Standard Dihydrocodeine-D6



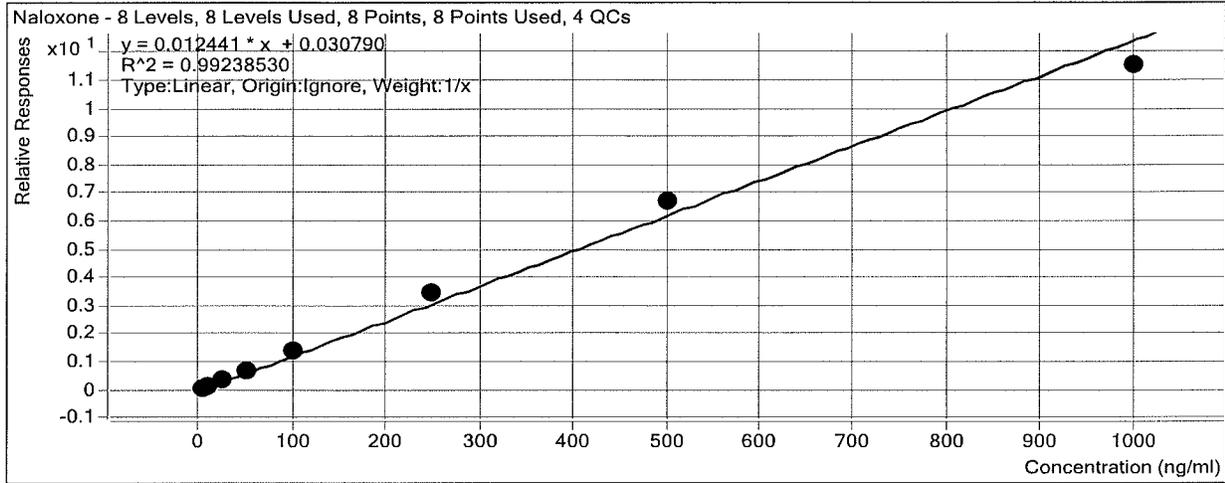
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1 - 5 ng	1	<input checked="" type="checkbox"/>	5	4.7	94.1
b cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	9.7	97.0
b QC 10	2	<input checked="" type="checkbox"/>	10	9.2	92.3
b cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	25.1	100.2
b cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	52.1	104.3
b cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	105.0	105.0
b qc 100	5	<input checked="" type="checkbox"/>	100	101.0	101.0
b cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	253.5	101.4
b QC 250	6	<input checked="" type="checkbox"/>	250	273.5	109.4
b cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	489.9	98.0
b cal 8 - 1000ng	8	<input type="checkbox"/>	1000	852.1	85.2
b qc 1000	8	<input type="checkbox"/>	1000	859.8	86.0

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq 1b.batch.bin

Last Calib Update 3/26/2017 9:06 AM **Analyst Name** ISP TOX

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



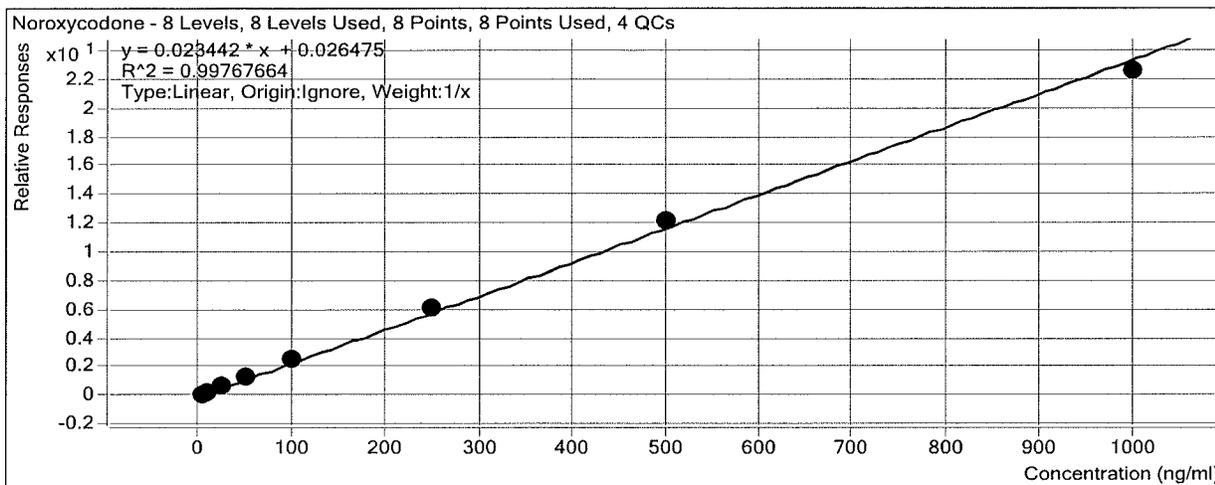
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b cal 1 - 5 ng	1	<input checked="" type="checkbox"/>	5	4.2	83.3
b cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	8.0	80.3
b QC 10	2	<input checked="" type="checkbox"/>	10	7.4	74.3
b cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	26.8	107.1
b cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	54.2	108.4
b cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	110.6	110.6
b qc 100	5	<input checked="" type="checkbox"/>	100	112.3	112.3
b cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	276.7	110.7
b QC 250	6	<input checked="" type="checkbox"/>	250	277.1	110.8
b cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	536.5	107.3
b cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	923.0	92.3
b qc 1000	8	<input type="checkbox"/>	1000	971.7	97.2

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq 1b.batch.bin

Last Calib Update 3/26/2017 9:06 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1 - 5 ng	1	<input checked="" type="checkbox"/>	5	3.9	77.7
b cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	9.9	98.6
b QC 10	2	<input checked="" type="checkbox"/>	10	9.1	90.9
b cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	25.4	101.7
b cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	55.2	110.4
b cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	108.0	108.0
b qc 100	5	<input checked="" type="checkbox"/>	100	100.3	100.3
b cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	260.6	104.2
b QC 250	6	<input checked="" type="checkbox"/>	250	256.9	102.8
b cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	517.5	103.5
b cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	959.6	96.0
b qc 1000	8	<input checked="" type="checkbox"/>	1000	948.1	94.8

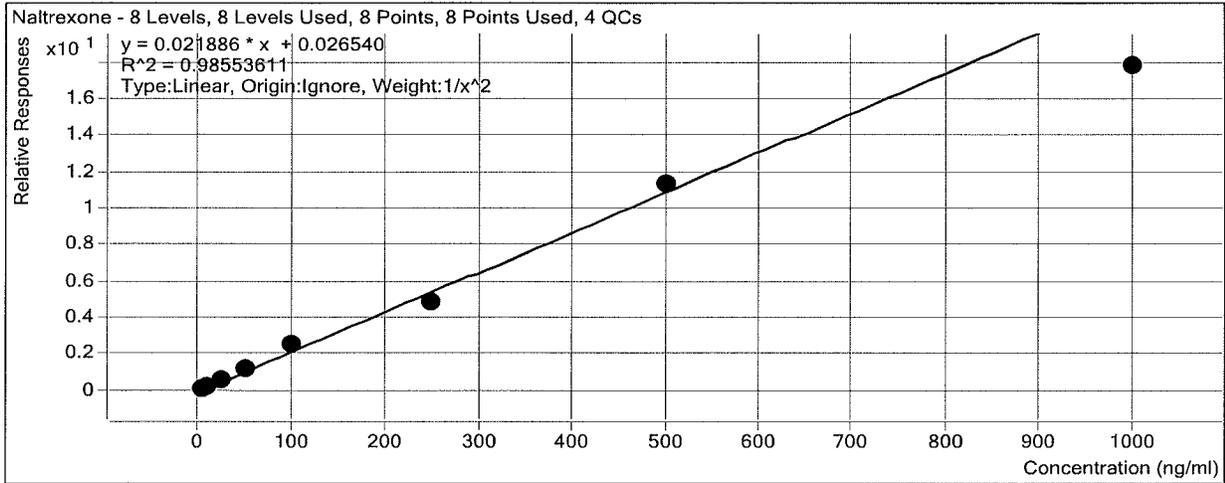
ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq 1b.batch.bin

Last Calib Update 3/26/2017 9:06 AM

Analyst Name ISP TOX

Target Compound Naltrexone
Internal Standard Naltrexone-D3



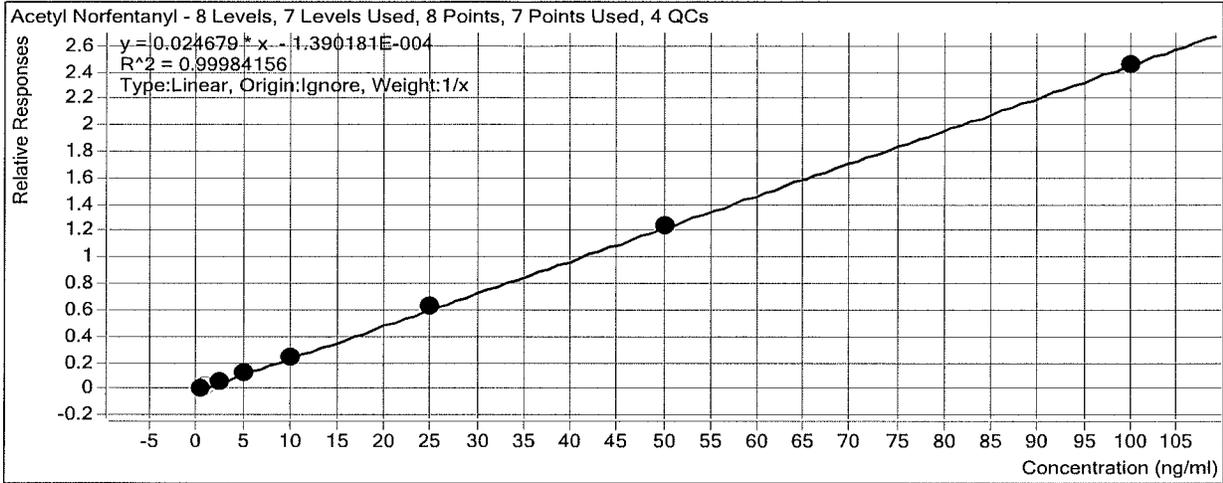
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1 - 5 ng	1	<input checked="" type="checkbox"/>	5	4.8	95.9
b cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	10.4	103.6
b QC 10	2	<input checked="" type="checkbox"/>	10	9.3	93.1
b cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	26.4	105.5
b cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	54.3	108.5
b cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	112.5	112.5
b qc 100	5	<input checked="" type="checkbox"/>	100	83.5	83.5
b cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	223.1	89.2
b QC 250	6	<input checked="" type="checkbox"/>	250	272.4	108.9
b cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	518.2	103.6
b cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	811.2	81.1
b qc 1000	8	<input checked="" type="checkbox"/>	1000	821.2	82.1

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq 1b.batch.bin

Last Calib Update 3/26/2017 9:06 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 - 5 ng	1	<input checked="" type="checkbox"/>	0.5	0.5	104.8
b cal 2 - 10ng	2	<input type="checkbox"/>	1	1.0	99.2
b QC 10	2	<input type="checkbox"/>	1	0.9	93.1
b cal 3- 25ng	3	<input checked="" type="checkbox"/>	2.5	2.5	98.5
b cal 4 - 50ng	4	<input checked="" type="checkbox"/>	5	4.8	96.5
b cal 5- 100ng	5	<input checked="" type="checkbox"/>	10	9.8	98.0
b qc 100	5	<input checked="" type="checkbox"/>	10	9.2	91.6
b cal 6 - 250ng	6	<input checked="" type="checkbox"/>	25	25.5	101.8
b QC 250	6	<input checked="" type="checkbox"/>	25	26.1	104.4
b cal 7 - 500ng	7	<input checked="" type="checkbox"/>	50	50.5	101.0
b cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	100	99.5	99.5
b qc 1000	8	<input checked="" type="checkbox"/>	100	104.5	104.5

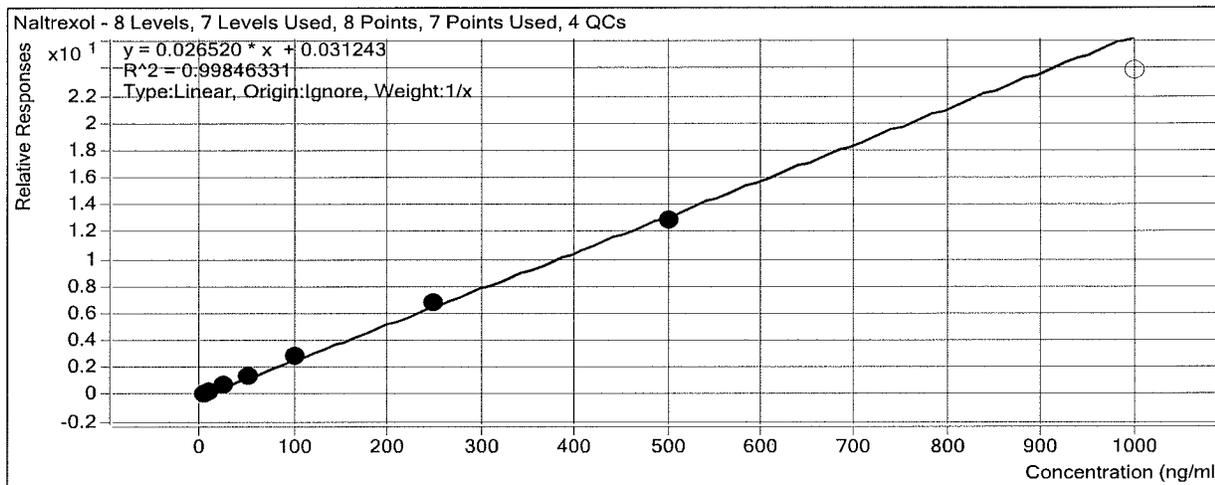
ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq 1b.batch.bin

Last Calib Update 3/26/2017 9:06 AM **Analyst Name** ISP TOX

Target Compound *Naltrexol*

Internal Standard *Naltrexol-D3*



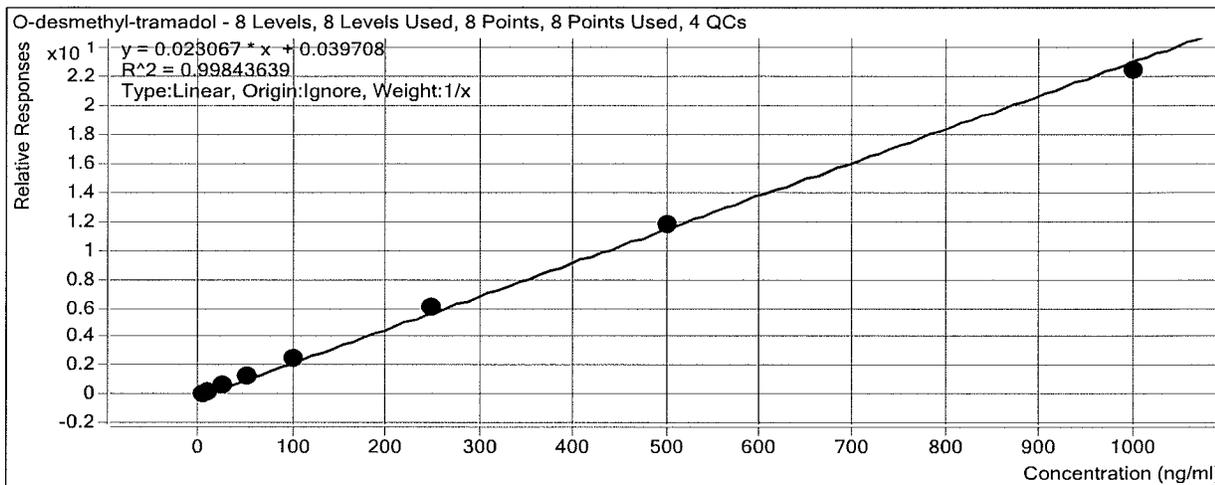
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
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b cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	10.0	100.1
b QC 10	2	<input checked="" type="checkbox"/>	10	9.2	92.3
b cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	25.8	103.0
b cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	53.8	107.7
b cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	105.8	105.8
b qc 100	5	<input checked="" type="checkbox"/>	100	98.7	98.7
b cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	254.3	101.7
b QC 250	6	<input checked="" type="checkbox"/>	250	266.7	106.7
b cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	486.0	97.2
b cal 8 - 1000ng	8	<input type="checkbox"/>	1000	897.6	89.8
b qc 1000	8	<input type="checkbox"/>	1000	887.1	88.7

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq 1b.batch.bin

Last Calib Update 3/26/2017 9:06 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 - 5 ng	1	<input checked="" type="checkbox"/>	5	4.0	80.8
b cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	9.7	97.3
b QC 10	2	<input checked="" type="checkbox"/>	10	9.1	91.3
b cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	26.0	104.2
b cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	53.8	107.6
b cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	106.7	106.7
b qc 100	5	<input checked="" type="checkbox"/>	100	101.1	101.1
b cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	260.6	104.3
b QC 250	6	<input checked="" type="checkbox"/>	250	272.3	108.9
b cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	511.7	102.3
b cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	967.3	96.7
b qc 1000	8	<input checked="" type="checkbox"/>	1000	969.9	97.0

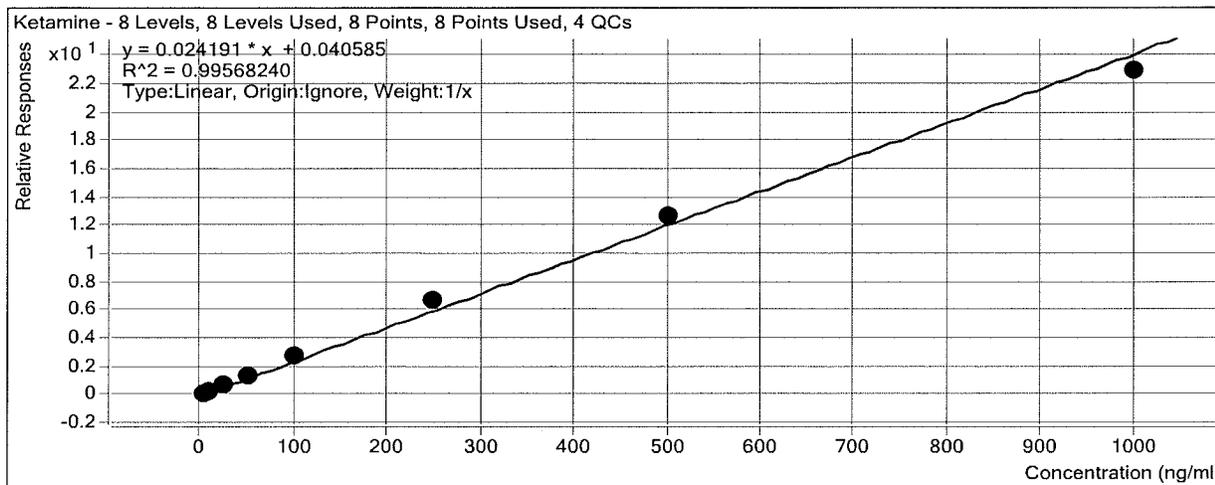
ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq 1b.batch.bin

Last Calib Update 3/26/2017 9:06 AM **Analyst Name** ISP TOX

Target Compound Ketamine

Internal Standard Ketamine-D4



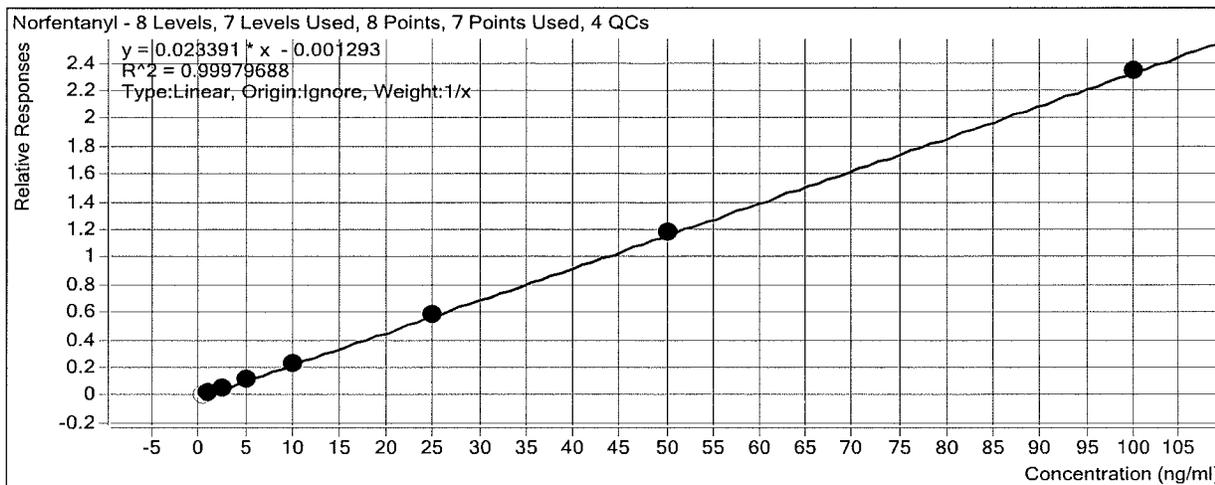
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1 - 5 ng	1	<input checked="" type="checkbox"/>	5	3.8	75.5
b cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	9.8	98.0
b QC 10	2	<input checked="" type="checkbox"/>	10	8.9	88.5
b cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	24.8	99.2
b cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	54.8	109.6
b cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	110.5	110.5
b qc 100	5	<input checked="" type="checkbox"/>	100	103.8	103.8
b cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	272.0	108.8
b QC 250	6	<input checked="" type="checkbox"/>	250	281.3	112.5
b cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	519.9	104.0
b cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	944.5	94.4
b qc 1000	8	<input checked="" type="checkbox"/>	1000	965.2	96.5

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq 1b.batch.bin

Last Calib Update 3/26/2017 9:06 AM **Analyst Name** ISP TOX

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



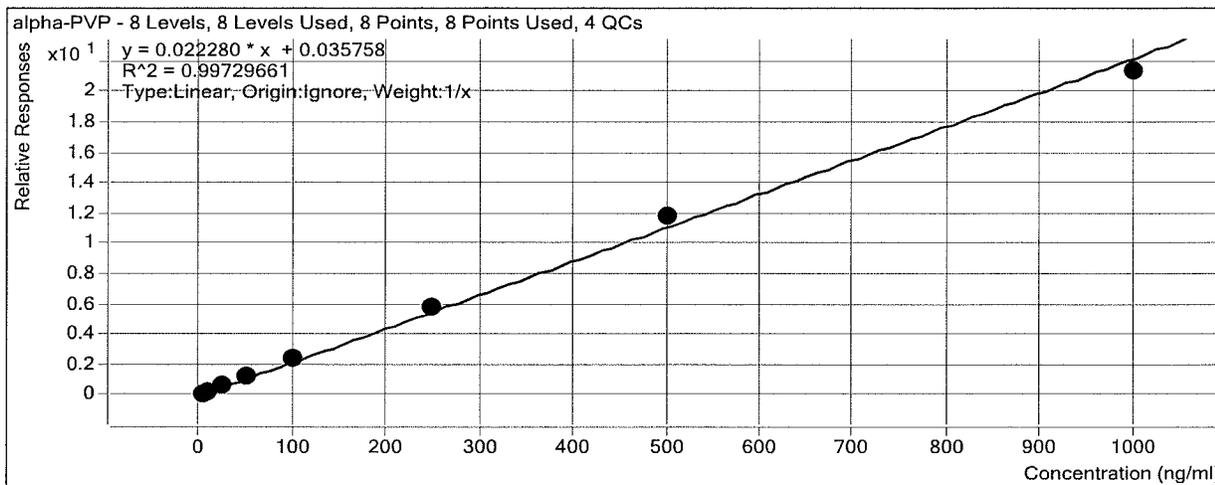
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1 - 5 ng	1	<input type="checkbox"/>	0.5	0.6	111.0
b cal 2 - 10ng	2	<input checked="" type="checkbox"/>	1	1.1	108.3
b QC 10	2	<input checked="" type="checkbox"/>	1	1.0	98.7
b cal 3- 25ng	3	<input checked="" type="checkbox"/>	2.5	2.4	96.5
b cal 4 - 50ng	4	<input checked="" type="checkbox"/>	5	4.9	98.2
b cal 5- 100ng	5	<input checked="" type="checkbox"/>	10	9.6	95.8
b qc 100	5	<input checked="" type="checkbox"/>	10	9.0	89.5
b cal 6 - 250ng	6	<input checked="" type="checkbox"/>	25	25.0	100.2
b QC 250	6	<input checked="" type="checkbox"/>	25	25.4	101.6
b cal 7 - 500ng	7	<input checked="" type="checkbox"/>	50	50.5	101.0
b cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	100	100.0	100.0
b qc 1000	8	<input checked="" type="checkbox"/>	100	101.3	101.3

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq 1b.batch.bin

Last Calib Update 3/26/2017 9:06 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 - 5 ng	1	<input checked="" type="checkbox"/>	5	4.1	82.4
b cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	9.2	92.0
b QC 10	2	<input checked="" type="checkbox"/>	10	8.4	84.4
b cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	26.4	105.6
b cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	55.3	110.6
b cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	105.5	105.5
b qc 100	5	<input checked="" type="checkbox"/>	100	100.6	100.6
b cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	257.4	103.0
b QC 250	6	<input checked="" type="checkbox"/>	250	272.2	108.9
b cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	526.7	105.3
b cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	955.4	95.5
b qc 1000	8	<input checked="" type="checkbox"/>	1000	999.0	99.9

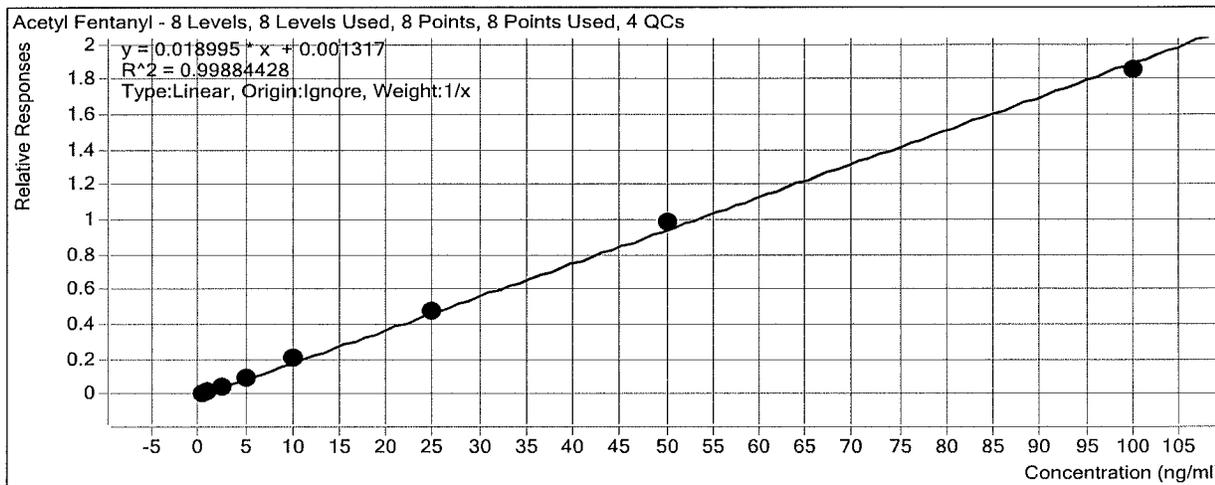
ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq 1b.batch.bin

Last Calib Update 3/26/2017 9:06 AM **Analyst Name** ISP TOX

Target Compound *Acetyl Fentanyl*

Internal Standard *Acetyl Fentanyl-D5*



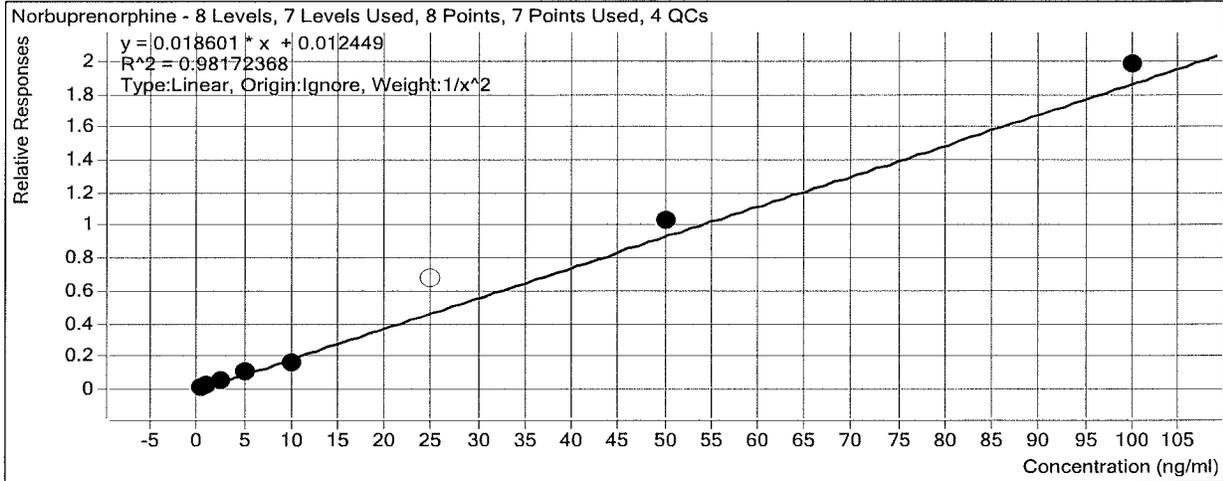
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1 - 5 ng	1	<input checked="" type="checkbox"/>	0.5	0.5	92.9
b cal 2 - 10ng	2	<input checked="" type="checkbox"/>	1	1.0	95.7
b QC 10	2	<input checked="" type="checkbox"/>	1	1.1	111.1
b cal 3- 25ng	3	<input checked="" type="checkbox"/>	2.5	2.5	100.1
b cal 4 - 50ng	4	<input checked="" type="checkbox"/>	5	5.1	102.6
b cal 5- 100ng	5	<input checked="" type="checkbox"/>	10	10.7	107.1
b qc 100	5	<input checked="" type="checkbox"/>	10	10.1	101.4
b cal 6 - 250ng	6	<input checked="" type="checkbox"/>	25	25.1	100.6
b QC 250	6	<input checked="" type="checkbox"/>	25	26.4	105.7
b cal 7 - 500ng	7	<input checked="" type="checkbox"/>	50	51.9	103.7
b cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	100	97.2	97.2
b qc 1000	8	<input checked="" type="checkbox"/>	100	99.5	99.5

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq 1b.batch.bin

Last Calib Update 3/26/2017 9:06 AM **Analyst Name** ISP TOX

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



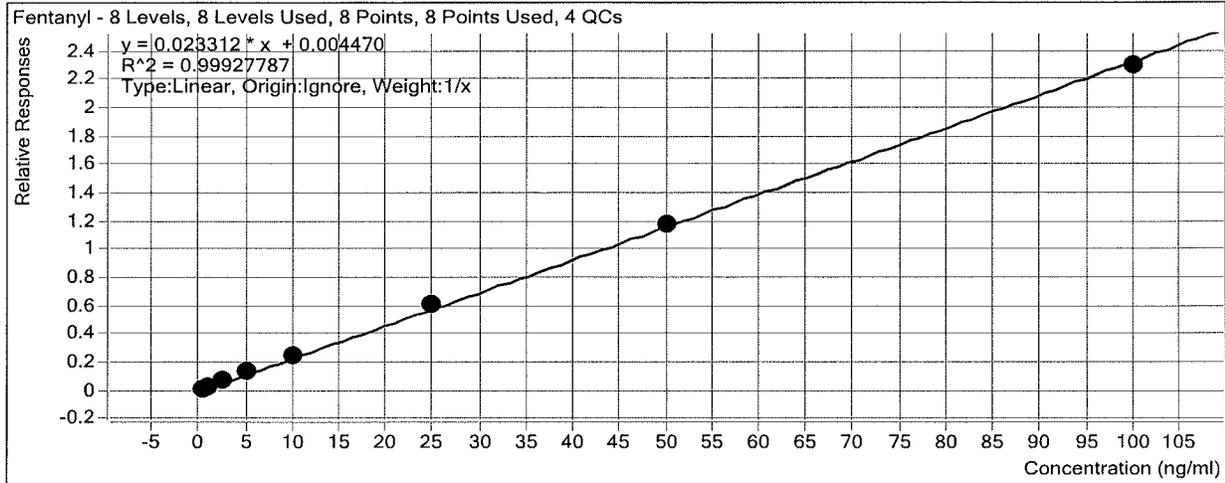
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1 - 5 ng	1	<input checked="" type="checkbox"/>	0.5	0.5	97.0
b cal 2 - 10ng	2	<input checked="" type="checkbox"/>	1	1.1	110.3
b QC 10	2	<input type="checkbox"/>	1	1.0	95.6
b cal 3- 25ng	3	<input checked="" type="checkbox"/>	2.5	2.2	89.7
b cal 4 - 50ng	4	<input checked="" type="checkbox"/>	5	5.4	107.6
b cal 5- 100ng	5	<input checked="" type="checkbox"/>	10	8.0	80.0
b qc 100	5	<input checked="" type="checkbox"/>	10	8.7	87.5
b cal 6 - 250ng	6	<input type="checkbox"/>	25	35.9	143.7
b QC 250	6	<input checked="" type="checkbox"/>	25	31.3	125.2
b cal 7 - 500ng	7	<input checked="" type="checkbox"/>	50	54.8	109.7
b cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	100	105.7	105.7
b qc 1000	8	<input checked="" type="checkbox"/>	100	93.8	93.8

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq 1b.batch.bin

Last Calib Update 3/26/2017 9:06 AM **Analyst Name** ISP TOX

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



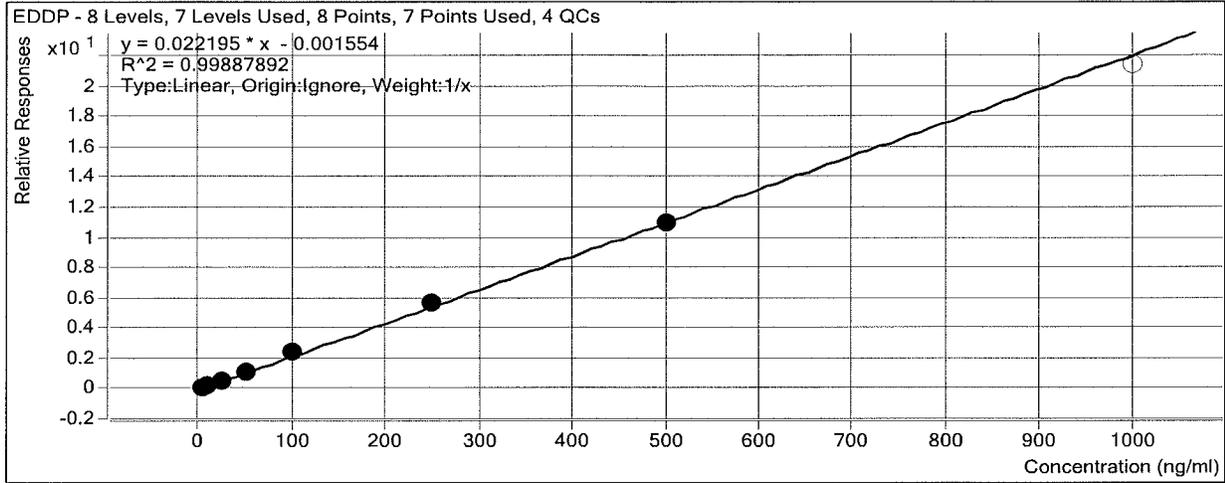
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1 - 5 ng	1	<input checked="" type="checkbox"/>	0.5	0.5	97.6
b cal 2 - 10ng	2	<input checked="" type="checkbox"/>	1	0.8	84.7
b QC 10	2	<input type="checkbox"/>	1	0.7	71.4
b cal 3- 25ng	3	<input checked="" type="checkbox"/>	2.5	2.6	104.8
b cal 4 - 50ng	4	<input checked="" type="checkbox"/>	5	5.3	106.8
b cal 5- 100ng	5	<input checked="" type="checkbox"/>	10	10.4	104.3
b qc 100	5	<input checked="" type="checkbox"/>	10	9.3	93.3
b cal 6 - 250ng	6	<input checked="" type="checkbox"/>	25	25.7	102.7
b QC 250	6	<input checked="" type="checkbox"/>	25	25.8	103.1
b cal 7 - 500ng	7	<input checked="" type="checkbox"/>	50	50.5	100.9
b cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	100	98.1	98.1
b qc 1000	8	<input checked="" type="checkbox"/>	100	96.2	96.2

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq 1b.batch.bin

Last Calib Update 3/26/2017 9:06 AM **Analyst Name** ISP TOX

Target Compound EDDP
Internal Standard EDDP-D3



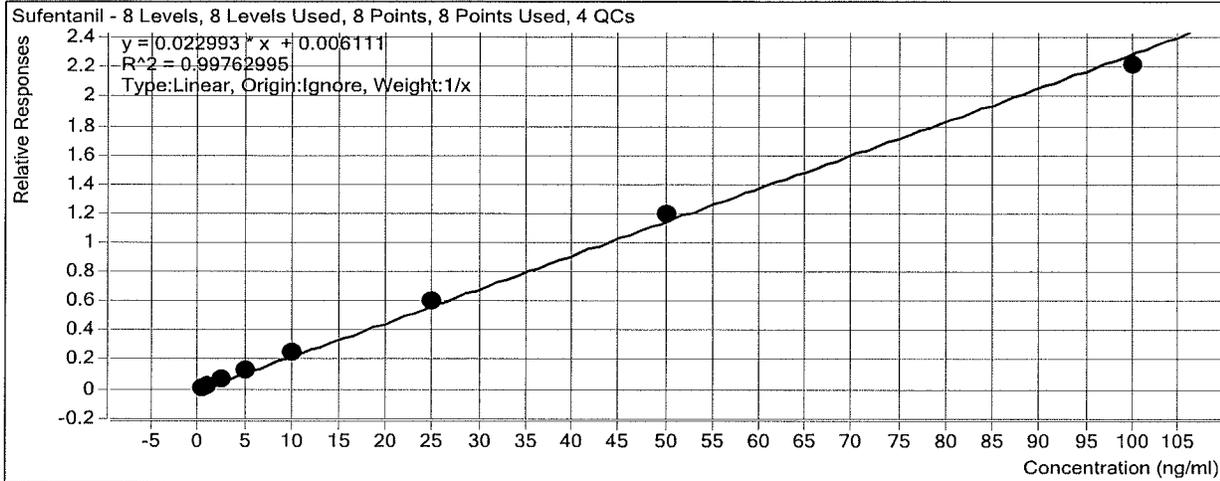
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1 - 5 ng	1	<input checked="" type="checkbox"/>	5	5.0	99.2
b cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	10.3	103.1
b QC 10	2	<input checked="" type="checkbox"/>	10	10.2	102.0
b cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	24.5	98.0
b cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	46.3	92.7
b cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	106.8	106.8
b qc 100	5	<input checked="" type="checkbox"/>	100	96.4	96.4
b cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	253.9	101.6
b QC 250	6	<input checked="" type="checkbox"/>	250	263.5	105.4
b cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	493.2	98.6
b cal 8 - 1000ng	8	<input type="checkbox"/>	1000	963.6	96.4
b qc 1000	8	<input type="checkbox"/>	1000	941.4	94.1

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq 1b.batch.bin

Last Calib Update 3/26/2017 9:06 AM **Analyst Name** ISP TOX

Target Compound Sufentanil
Internal Standard Sufentanil-D5



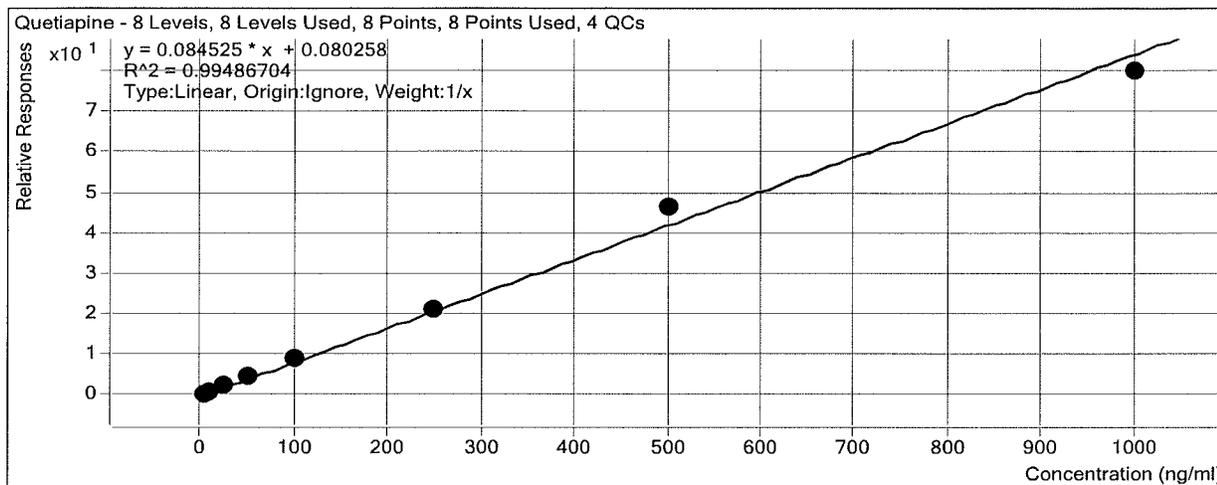
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1 - 5 ng	1	<input checked="" type="checkbox"/>	0.5	0.4	76.0
b cal 2 - 10ng	2	<input checked="" type="checkbox"/>	1	0.9	93.8
b QC 10	2	<input type="checkbox"/>	1	0.9	87.3
b cal 3- 25ng	3	<input checked="" type="checkbox"/>	2.5	2.7	109.2
b cal 4 - 50ng	4	<input checked="" type="checkbox"/>	5	5.5	110.6
b cal 5- 100ng	5	<input checked="" type="checkbox"/>	10	10.6	106.5
b qc 100	5	<input checked="" type="checkbox"/>	10	9.6	95.8
b cal 6 - 250ng	6	<input checked="" type="checkbox"/>	25	26.2	104.8
b QC 250	6	<input checked="" type="checkbox"/>	25	26.5	105.8
b cal 7 - 500ng	7	<input checked="" type="checkbox"/>	50	51.6	103.2
b cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	100	96.0	96.0
b qc 1000	8	<input checked="" type="checkbox"/>	100	104.0	104.0

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq 1b.batch.bin

Last Calib Update 3/26/2017 9:06 AM **Analyst Name** ISP TOX

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



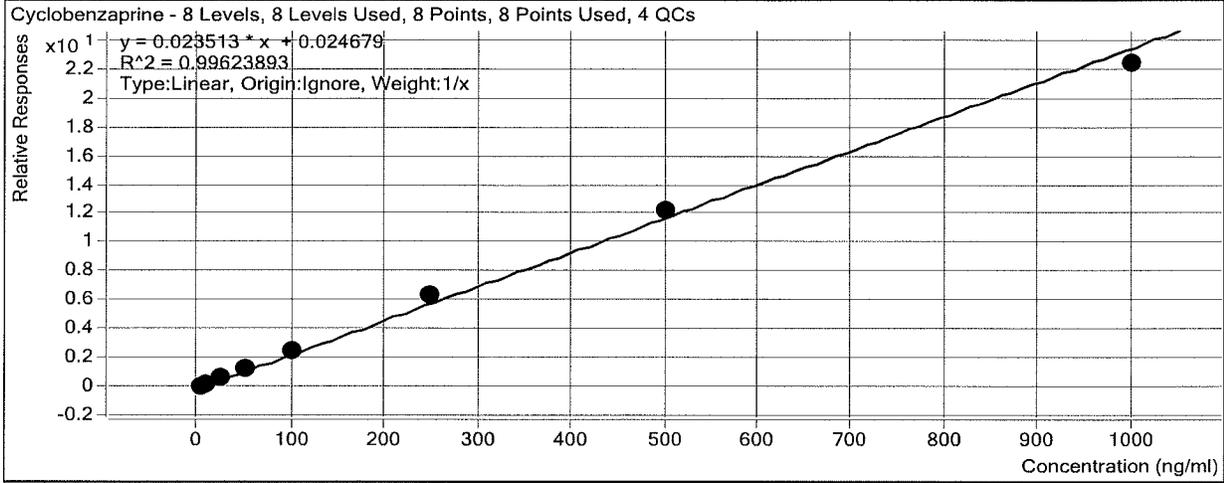
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1 - 5 ng	1	<input checked="" type="checkbox"/>	5	4.4	87.9
b cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	9.4	94.5
b QC 10	2	<input checked="" type="checkbox"/>	10	9.3	93.0
b cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	25.3	101.1
b cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	54.9	109.9
b cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	102.9	102.9
b qc 100	5	<input checked="" type="checkbox"/>	100	106.9	106.9
b cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	247.7	99.1
b QC 250	6	<input checked="" type="checkbox"/>	250	268.1	107.2
b cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	551.4	110.3
b cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	943.9	94.4
b qc 1000	8	<input checked="" type="checkbox"/>	1000	814.3	81.4

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq 1b.batch.bin

Last Calib Update 3/26/2017 9:06 AM **Analyst Name** ISP TOX

Target Compound Cyclobenzaprine
Internal Standard Cyclobenzaprine-D3



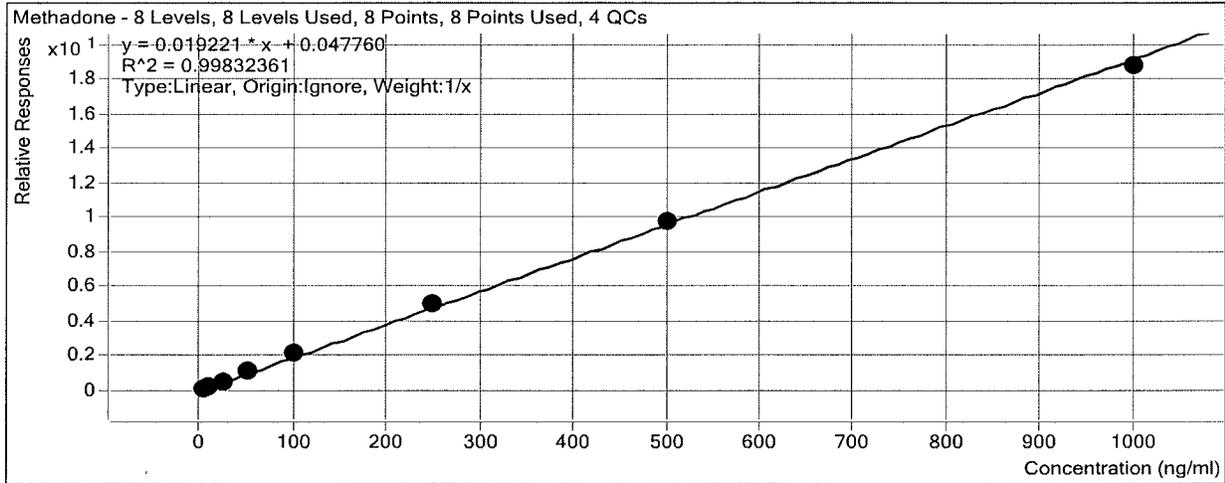
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1 - 5 ng	1	<input checked="" type="checkbox"/>	5	4.1	82.8
b cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	8.6	86.5
b QC 10	2	<input checked="" type="checkbox"/>	10	9.3	93.4
b cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	26.8	107.2
b cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	54.2	108.4
b cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	107.7	107.7
b qc 100	5	<input checked="" type="checkbox"/>	100	102.9	102.9
b cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	272.9	109.1
b QC 250	6	<input checked="" type="checkbox"/>	250	268.8	107.5
b cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	516.8	103.4
b cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	948.8	94.9
b qc 1000	8	<input checked="" type="checkbox"/>	1000	939.1	93.9

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq 1b.batch.bin

Last Calib Update 3/26/2017 9:06 AM **Analyst Name** ISP TOX

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



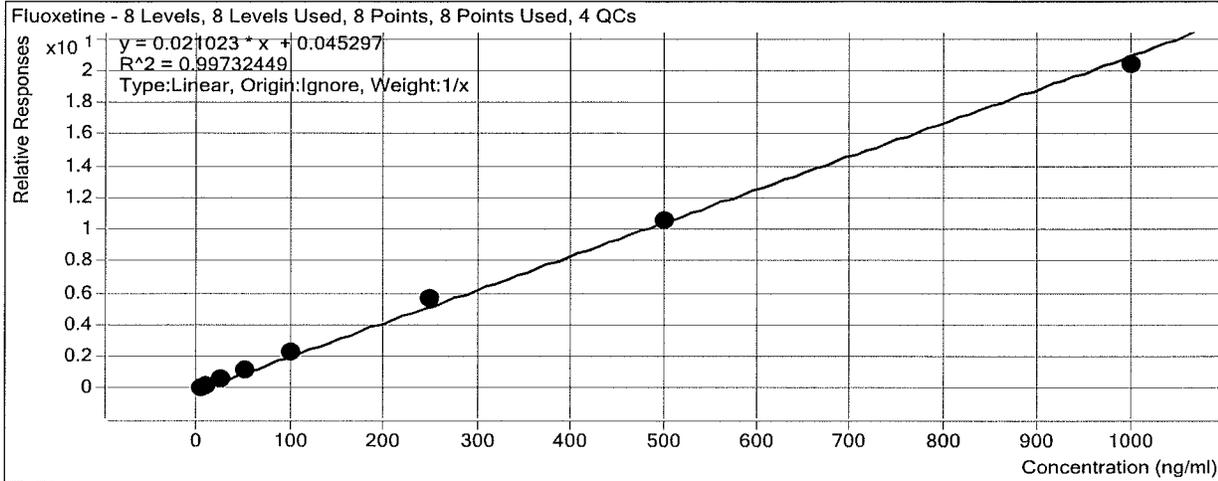
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1 - 5 ng	1	<input checked="" type="checkbox"/>	5	4.4	88.9
b cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	9.0	90.1
b QC 10	2	<input checked="" type="checkbox"/>	10	8.3	83.0
b cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	25.0	99.9
b cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	53.8	107.6
b cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	111.8	111.8
b qc 100	5	<input checked="" type="checkbox"/>	100	100.8	100.8
b cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	258.7	103.5
b QC 250	6	<input checked="" type="checkbox"/>	250	276.0	110.4
b cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	505.1	101.0
b cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	972.2	97.2
b qc 1000	8	<input checked="" type="checkbox"/>	1000	978.1	97.8

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq 1b.batch.bin

Last Calib Update 3/26/2017 9:06 AM **Analyst Name** ISP TOX

Target Compound Fluoxetine
Internal Standard Fluoxetine-D6



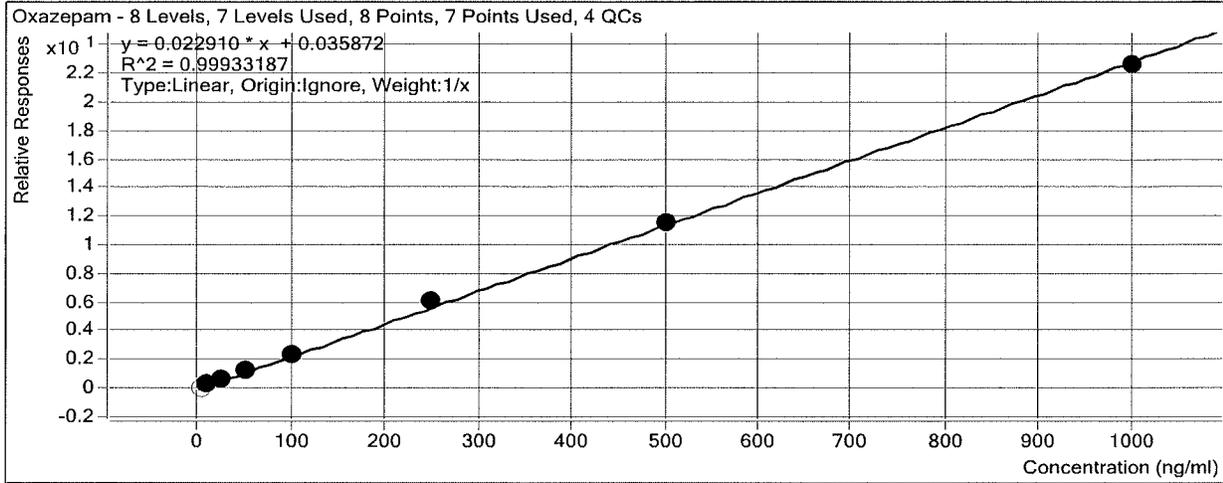
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1 - 5 ng	1	<input checked="" type="checkbox"/>	5	3.7	74.5
b cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	9.4	93.7
b QC 10	2	<input type="checkbox"/>	10	8.8	87.8
b cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	26.2	104.8
b cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	56.5	113.0
b cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	110.1	110.1
b qc 100	5	<input checked="" type="checkbox"/>	100	97.6	97.6
b cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	268.2	107.3
b QC 250	6	<input checked="" type="checkbox"/>	250	275.6	110.3
b cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	499.9	100.0
b cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	966.1	96.6
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1006.6	100.7

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq 1b.batch.bin

Last Calib Update 3/26/2017 9:06 AM **Analyst Name** ISP TOX

Target Compound Oxazepam
Internal Standard Oxazepam-D5



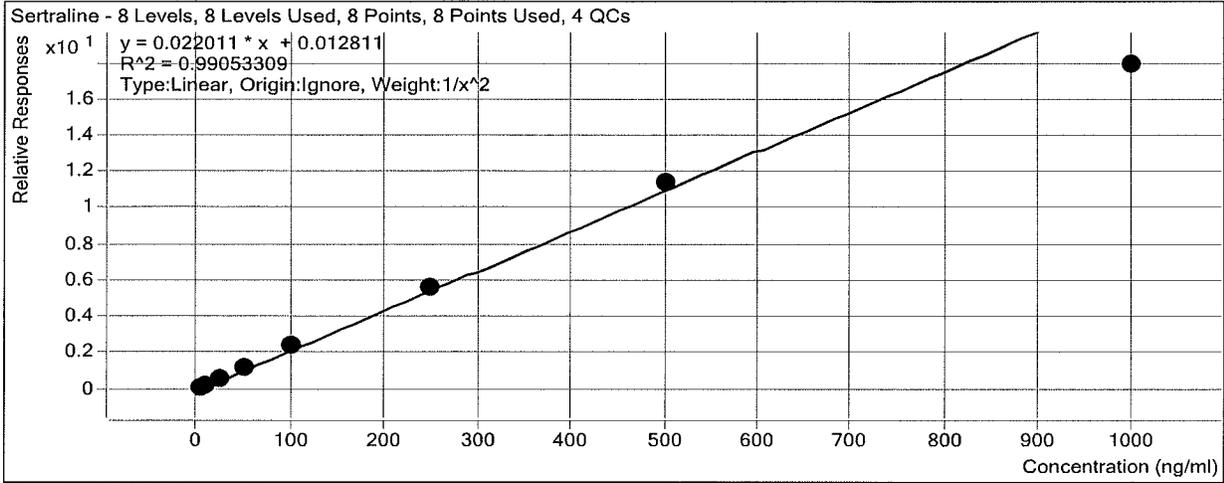
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1 - 5 ng	1	<input type="checkbox"/>	5	2.0	40.7
b cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	9.4	94.5
b QC 10	2	<input checked="" type="checkbox"/>	10	9.5	95.1
b cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	23.9	95.6
b cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	52.6	105.2
b cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	101.1	101.1
b qc 100	5	<input checked="" type="checkbox"/>	100	100.1	100.1
b cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	262.7	105.1
b QC 250	6	<input checked="" type="checkbox"/>	250	284.3	113.7
b cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	500.7	100.1
b cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	984.6	98.5
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1047.7	104.8

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq 1b.batch.bin

Last Calib Update 3/26/2017 9:06 AM **Analyst Name** ISP TOX

Target Compound Sertraline
Internal Standard Sertraline-D3



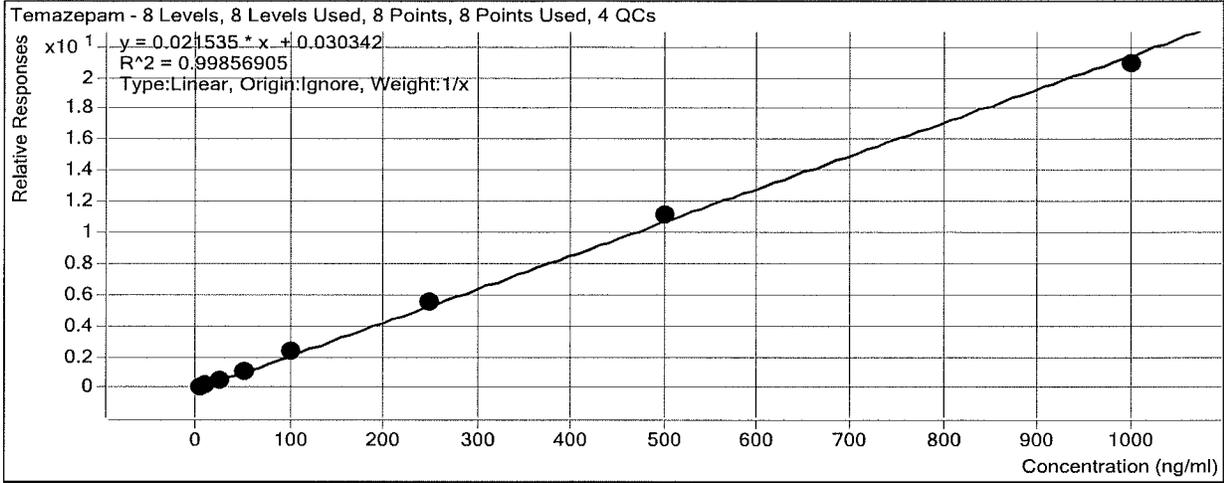
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1 - 5 ng	1	<input checked="" type="checkbox"/>	5	4.9	97.2
b cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	10.4	104.3
b QC 10	2	<input checked="" type="checkbox"/>	10	9.4	93.9
b cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	24.5	98.0
b cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	54.0	108.0
b cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	106.6	106.6
b qc 100	5	<input checked="" type="checkbox"/>	100	107.3	107.3
b cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	253.2	101.3
b QC 250	6	<input checked="" type="checkbox"/>	250	272.3	108.9
b cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	517.3	103.5
b cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	812.2	81.2
b qc 1000	8	<input checked="" type="checkbox"/>	1000	956.5	95.7

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq 1b.batch.bin

Last Calib Update 3/26/2017 9:06 AM **Analyst Name** ISP TOX

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



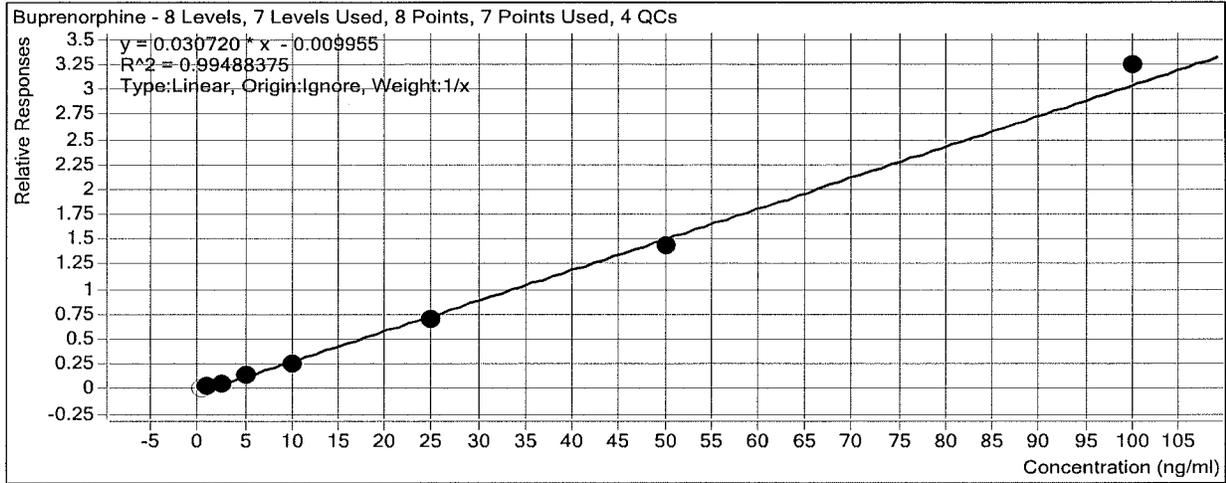
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b cal 1 - 5 ng	1	<input checked="" type="checkbox"/>	5	4.3	86.1
b cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	10.3	103.2
b QC 10	2	<input type="checkbox"/>	10	8.4	83.6
b cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	24.2	96.8
b cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	51.6	103.2
b cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	107.5	107.5
b qc 100	5	<input checked="" type="checkbox"/>	100	99.5	99.5
b cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	258.2	103.3
b QC 250	6	<input checked="" type="checkbox"/>	250	294.0	117.6
b cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	515.9	103.2
b cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	968.0	96.8
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1036.8	103.7

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq 1b.batch.bin

Last Calib Update 3/26/2017 9:06 AM **Analyst Name** ISP TOX

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



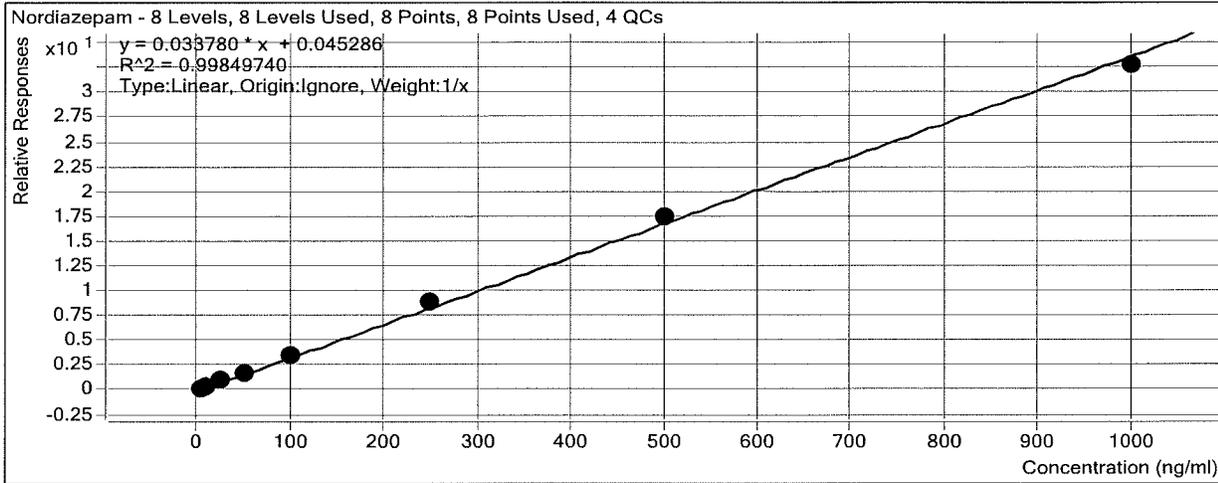
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b cal 1 - 5 ng	1	<input type="checkbox"/>	0.5	1.0	190.6
b cal 2 - 10ng	2	<input checked="" type="checkbox"/>	1	1.3	126.9
b QC 10	2	<input type="checkbox"/>	1	1.0	103.4
b cal 3- 25ng	3	<input checked="" type="checkbox"/>	2.5	2.3	93.5
b cal 4 - 50ng	4	<input checked="" type="checkbox"/>	5	4.9	98.2
b cal 5- 100ng	5	<input checked="" type="checkbox"/>	10	8.8	87.7
b qc 100	5	<input checked="" type="checkbox"/>	10	8.4	84.0
b cal 6 - 250ng	6	<input checked="" type="checkbox"/>	25	23.6	94.2
b QC 250	6	<input checked="" type="checkbox"/>	25	23.1	92.4
b cal 7 - 500ng	7	<input checked="" type="checkbox"/>	50	46.9	93.7
b cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	100	105.8	105.8
b qc 1000	8	<input checked="" type="checkbox"/>	100	93.9	93.9

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq 1b.batch.bin

Last Calib Update 3/26/2017 9:06 AM **Analyst Name** ISP TOX

Target Compound Nordiazepam
Internal Standard Nordiazepam-D5



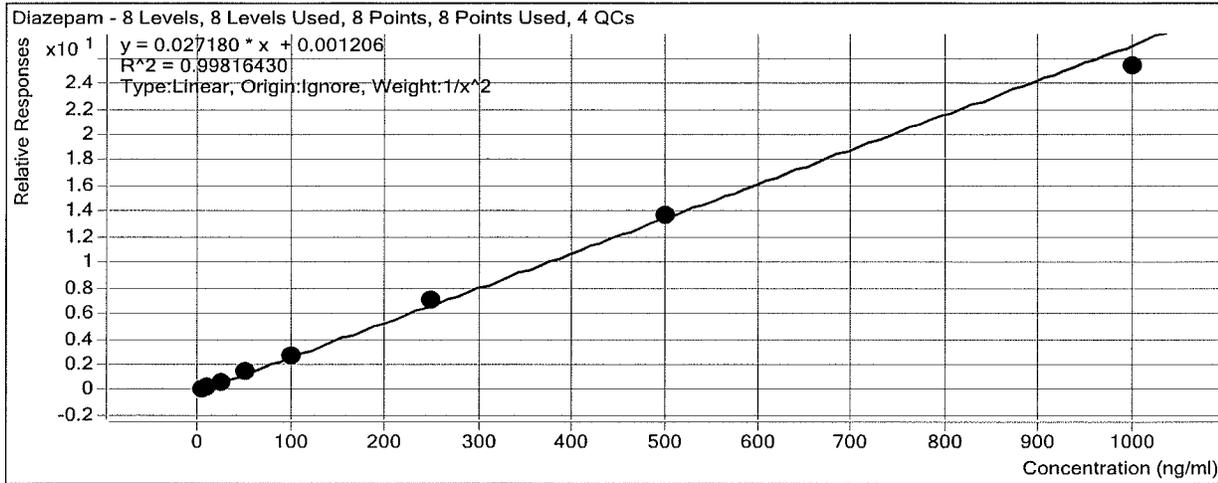
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1 - 5 ng	1	<input checked="" type="checkbox"/>	5	4.4	88.5
b cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	9.2	91.8
b QC 10	2	<input type="checkbox"/>	10	8.7	86.9
b cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	27.4	109.6
b cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	50.8	101.6
b cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	104.7	104.7
b qc 100	5	<input checked="" type="checkbox"/>	100	90.6	90.6
b cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	259.2	103.7
b QC 250	6	<input checked="" type="checkbox"/>	250	271.6	108.6
b cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	517.6	103.5
b cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	966.7	96.7
b qc 1000	8	<input checked="" type="checkbox"/>	1000	963.8	96.4

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq 1b.batch.bin

Last Calib Update 3/26/2017 9:06 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1 - 5 ng	1	<input checked="" type="checkbox"/>	5	5.1	101.1
b cal 2 - 10ng	2	<input checked="" type="checkbox"/>	10	9.8	97.9
b QC 10	2	<input checked="" type="checkbox"/>	10	10.2	102.4
b cal 3- 25ng	3	<input checked="" type="checkbox"/>	25	24.3	97.2
b cal 4 - 50ng	4	<input checked="" type="checkbox"/>	50	52.1	104.1
b cal 5- 100ng	5	<input checked="" type="checkbox"/>	100	100.6	100.6
b qc 100	5	<input checked="" type="checkbox"/>	100	102.0	102.0
b cal 6 - 250ng	6	<input checked="" type="checkbox"/>	250	260.9	104.4
b QC 250	6	<input checked="" type="checkbox"/>	250	293.0	117.2
b cal 7 - 500ng	7	<input checked="" type="checkbox"/>	500	507.1	101.4
b cal 8 - 1000ng	8	<input checked="" type="checkbox"/>	1000	932.9	93.3
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1062.6	106.3

ISP FORENSICS - Cd'A Instrument # 62340

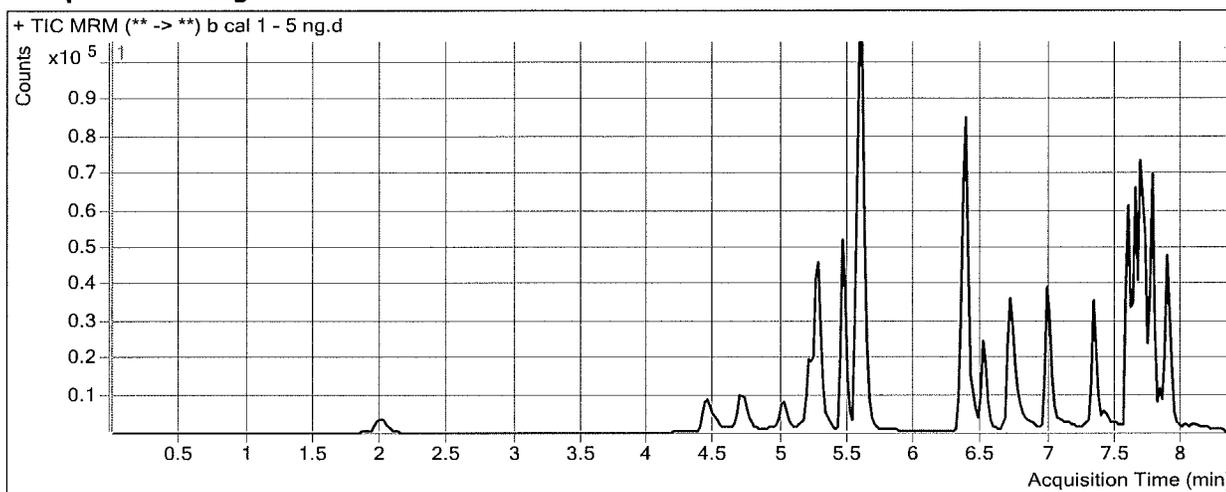
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq 1b.batch.bin		
Analysis Time	3/26/2017 9:06 AM	Analyst Name	ISP Tox
Report Time	3/26/2017 9:11 AM	Reporter Name	ISP Tox
Last Calib Update	3/26/2017 9:06 AM	Batch State	Processed

Analysis Info

Acq Time	2017-03-24 11:13	Data File	b cal 1 - 5 ng.d
Sample Type	Calibration	Sample Name	b cal 1 - 5 ng
Dilution	1	Acq Method	Quant Panel 1b 11-18-2016.m
Position	P1-A1	Sample Info	
Inj Vol	-1	Comment	AM 28 Panel 1 Confirmation

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	2.009	2964	21863	0.1356	4.3602
Dihydrocodeine	Dihydrocodeine-D6	4.496	5438	42537	0.1278	4.7059
Naloxone	Naloxone-D5	4.753	3769	45631	0.0826	4.1640
Noroxycodone	Noroxycodone-D3	5.037	3636	30926	0.1176	3.8856
Naltrexone	Naltrexone-D3	5.212	6776	51529	0.1315	4.7956
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.324	2157	168609	0.0128	0.5240
Naltrexol	Naltrexol-D3	5.471	19430	135755	0.1431	4.2189
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.598	44909	337844	0.1329	4.0412
Ketamine	Ketamine-D4	6.361	13437	101832	0.1320	3.7770
Norfentanyl	Norfentanyl-D5	6.404	2321	198608	0.0117	0.5550
alpha-PVP	alpha-PVP-d8	6.709	18587	145704	0.1276	4.1208
Acetyl Fentanyl	Acetyl Fentanyl-D5	7.001	1263	124475	0.0101	0.4647
Norbuprenorphine	Norbuprenorphine-D3	7.275	72	3348	0.0215	0.4851
Fentanyl	Fentanyl-D5	7.339	1442	90956	0.0159	0.4882
EDDP	EDDP-D3	7.410	951	8762	0.1086	4.9610
Sufentanil	Sufentanil-D5	7.579	845	56955	0.0148	0.3798
Quetiapine	Quetiapine-D8	7.580	26807	59339	0.4518	4.3952
Cyclobenzaprine	Cyclobenzaprine-D3	7.633	4388	35959	0.1220	4.1398
Methadone	Methadone-D9	7.643	12907	96901	0.1332	4.4448
Fluoxetine	Fluoxetine-D6	7.685	15054	121738	0.1237	3.7273
Oxazepam	Oxazepam-D5	7.710	1061	12864	0.0825	2.0347
Sertraline	Sertraline-D3	7.746	3951	32995	0.1197	4.8580
Temazepam	Temazepam-D5	7.768	10957	89054	0.1230	4.3046

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

b cal 1

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Buprenorphine	Buprenorphine-D4	7.736	418	21664	0.0193	0.9528
Nordiazepam	Nordiazepam-D5	7.836	2910	14945	0.1947	4.4240
Diazepam	Diazepam-D5	7.891	11176	80633	0.1386	5.0552



ISP FORENSICS - Cd'A Instrument # 62340

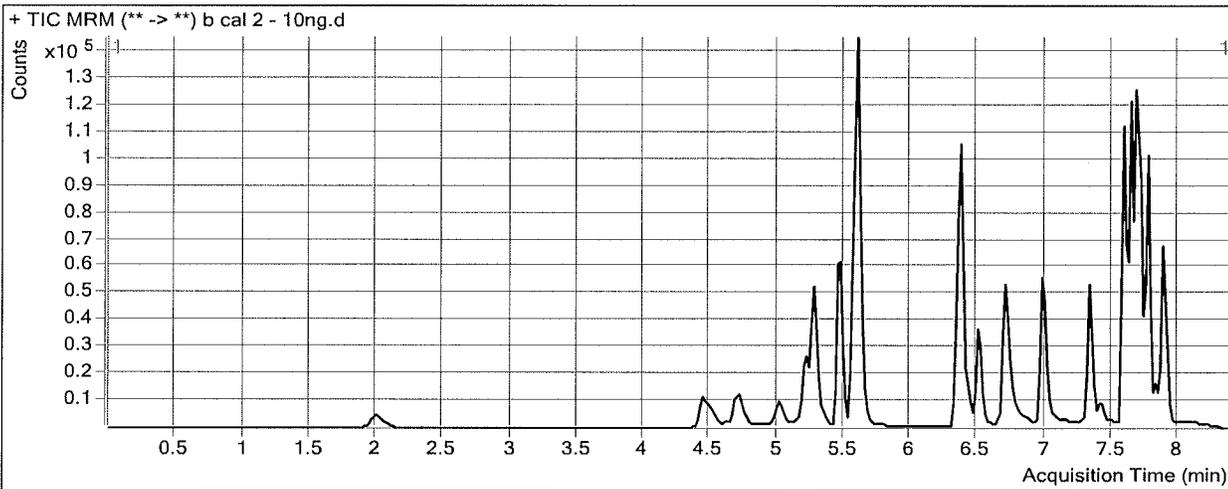
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq 1b.batch.bin
Analysis Time 3/26/2017 9:06 AM **Analyst Name** ISP Tox
Report Time 3/26/2017 9:11 AM **Reporter Name** ISP Tox
Last Calib Update 3/26/2017 9:06 AM **Batch State** Processed

Analysis Info

Acq Time 2017-03-24 11:38 **Data File** b cal 2 - 10ng.d
Sample Type Calibration **Sample Name** b cal 2 - 10ng
Dilution 1 **Acq Method** Quant Panel 1b 11-18-2016.m
Position P1-B1 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1 Confirmation

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	2.029	6271	23605	0.2656	9.7453
Dihydrocodeine	Dihydrocodeine-D6	4.516	11261	48065	0.2343	9.7038
Naloxone	Naloxone-D5	4.773	6869	52559	0.1307	8.0298
Noroxycodone	Noroxycodone-D3	5.037	8392	32580	0.2576	9.8586
Naltrexone	Naltrexone-D3	5.212	14060	55528	0.2532	10.3567
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.324	4344	178479	0.0243	0.9920
Naltrexol	Naltrexol-D3	5.471	45803	154305	0.2968	10.0150
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.598	100201	379331	0.2642	9.7299
Ketamine	Ketamine-D4	6.361	33301	119906	0.2777	9.8029
Norfentanyl	Norfentanyl-D5	6.404	5536	230232	0.0240	1.0832
alpha-PVP	alpha-PVP-d8	6.709	44093	183108	0.2408	9.2031
Acetyl Fentanyl	Acetyl Fentanyl-D5	7.001	3527	180958	0.0195	0.9569
Norbuprenorphine	Norbuprenorphine-D3	7.295	167	5081	0.0330	1.1030
Fentanyl	Fentanyl-D5	7.319	3348	138281	0.0242	0.8470
EDDP	EDDP-D3	7.431	3419	15043	0.2273	10.3104
Sufentanil	Sufentanil-D5	7.579	2500	90305	0.0277	0.9384
Quetiapine	Quetiapine-D8	7.580	70010	79652	0.8789	9.4491
Cyclobenzaprine	Cyclobenzaprine-D3	7.633	14527	63696	0.2281	8.6498
Methadone	Methadone-D9	7.643	35392	160186	0.2209	9.0102
Fluoxetine	Fluoxetine-D6	7.685	44707	184452	0.2424	9.3747
Oxazepam	Oxazepam-D5	7.730	4001	15855	0.2523	9.4490
Sertraline	Sertraline-D3	7.746	11246	46404	0.2424	10.4286
Temazepam	Temazepam-D5	7.768	27864	110271	0.2527	10.3247

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

b cal 2

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Buprenorphine	Buprenorphine-D4	7.736	1131	38944	0.0290	1.2692
Nordiazepam	Nordiazepam-D5	7.856	6737	18963	0.3553	9.1764
Diazepam	Diazepam-D5	7.891	25556	95622	0.2673	9.7886



ISP FORENSICS - Cd'A Instrument # 62340

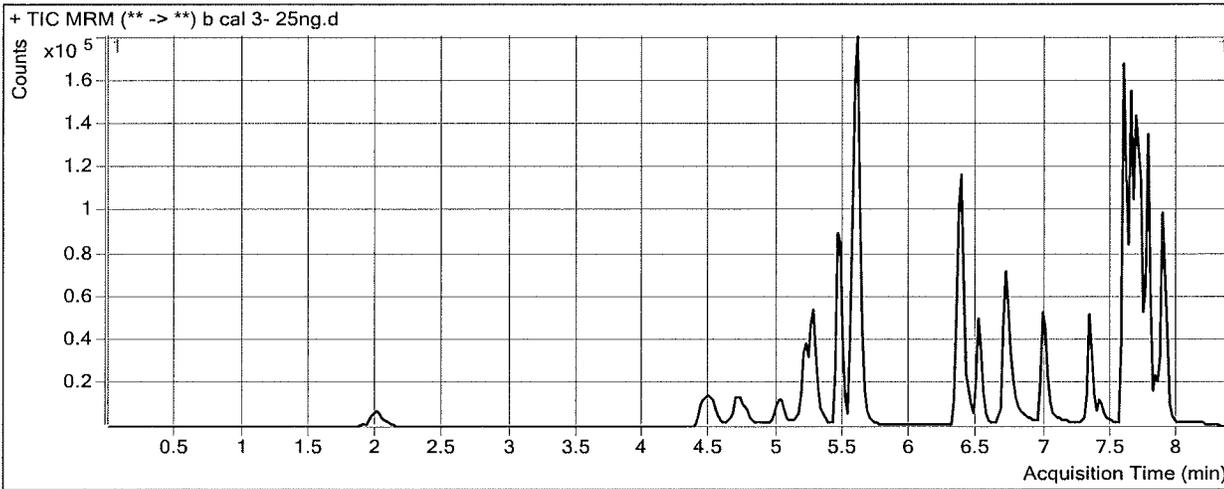
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq 1b.batch.bin		
Analysis Time	3/26/2017 9:06 AM	Analyst Name	ISP Tox
Report Time	3/26/2017 9:11 AM	Reporter Name	ISP Tox
Last Calib Update	3/26/2017 9:06 AM	Batch State	Processed

Analysis Info

Acq Time	2017-03-24 12:03	Data File	b cal 3- 25ng.d
Sample Type	Calibration	Sample Name	b cal 3- 25ng
Dilution	1	Acq Method	Quant Panel 1b 11-18-2016.m
Position	P1-C1	Sample Info	
Inj Vol	-1	Comment	AM 28 Panel 1 Confirmation

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	2.009	15410	24113	0.6391	25.2070
Dihydrocodeine	Dihydrocodeine-D6	4.516	27546	49077	0.5613	25.0570
Naloxone	Naloxone-D5	4.753	19769	54309	0.3640	26.7854
Noroxycodone	Noroxycodone-D3	5.037	20497	32935	0.6223	25.4176
Naltrexone	Naltrexone-D3	5.212	35325	58501	0.6038	26.3773
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.324	11056	182425	0.0606	2.4613
Naltrexol	Naltrexol-D3	5.471	112012	156786	0.7144	25.7614
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.598	241915	377635	0.6406	26.0498
Ketamine	Ketamine-D4	6.361	76924	120144	0.6403	24.7896
Norfentanyl	Norfentanyl-D5	6.404	13047	236591	0.0551	2.4128
alpha-PVP	alpha-PVP-d8	6.709	112381	180174	0.6237	26.3902
Acetyl Fentanyl	Acetyl Fentanyl-D5	7.001	8088	165501	0.0489	2.5035
Norbuprenorphine	Norbuprenorphine-D3	7.295	276	5104	0.0542	2.2423
Fentanyl	Fentanyl-D5	7.339	7793	118874	0.0656	2.6205
EDDP	EDDP-D3	7.410	8593	15848	0.5422	24.5004
Sufentanil	Sufentanil-D5	7.579	5402	78438	0.0689	2.7296
Quetiapine	Quetiapine-D8	7.580	167406	75541	2.2161	25.2686
Cyclobenzaprine	Cyclobenzaprine-D3	7.633	34604	52857	0.6547	26.7932
Methadone	Methadone-D9	7.643	79062	149824	0.5277	24.9696
Fluoxetine	Fluoxetine-D6	7.685	101842	170824	0.5962	26.2041
Oxazepam	Oxazepam-D5	7.730	8363	14339	0.5833	23.8934
Sertraline	Sertraline-D3	7.746	24840	44986	0.5522	24.5047
Temazepam	Temazepam-D5	7.768	64696	117341	0.5514	24.1936

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

b cal 3

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Buprenorphine	Buprenorphine-D4	7.736	2347	37938	0.0619	2.3376
Nordiazepam	Nordiazepam-D5	7.856	17741	18279	0.9706	27.3916
Diazepam	Diazepam-D5	7.891	63415	95832	0.6617	24.3020

A

ISP FORENSICS - Cd'A Instrument # 62340

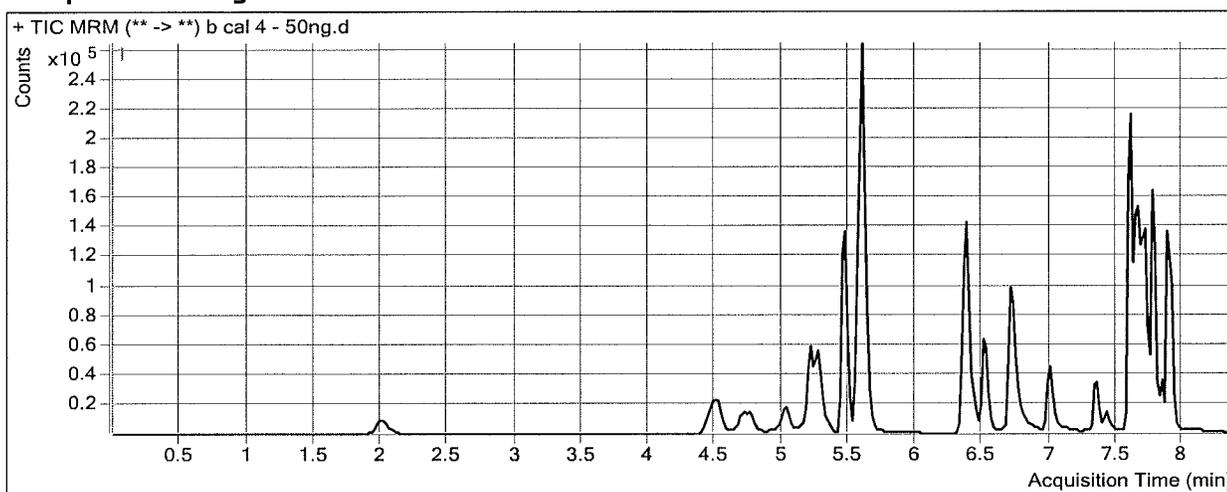
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq 1b.batch.bin
Analysis Time 3/26/2017 9:06 AM **Analyst Name** ISP Tox
Report Time 3/26/2017 9:11 AM **Reporter Name** ISP Tox
Last Calib Update 3/26/2017 9:06 AM **Batch State** Processed

Analysis Info

Acq Time 2017-03-24 12:29 **Data File** b cal 4 - 50ng.d
Sample Type Calibration **Sample Name** b cal 4 - 50ng
Dilution 1 **Acq Method** Quant Panel 1b 11-18-2016.m
Position P1-D1 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1 Confirmation

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	2.029	31060	23819	1.3040	52.7378
Dihydrocodeine	Dihydrocodeine-D6	4.516	55206	48513	1.1380	52.1315
Naloxone	Naloxone-D5	4.753	37517	53221	0.7049	54.1880
Noroxycodone	Noroxycodone-D3	5.037	41368	31339	1.3200	55.1795
Naltrexone	Naltrexone-D3	5.212	68118	56111	1.2140	54.2555
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.324	21133	177650	0.1190	4.8259
Naltrexol	Naltrexol-D3	5.471	228865	156899	1.4587	53.8254
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.598	489415	382070	1.2810	53.8100
Ketamine	Ketamine-D4	6.361	158789	116268	1.3657	54.7786
Norfentanyl	Norfentanyl-D5	6.404	25739	226636	0.1136	4.9105
alpha-PVP	alpha-PVP-d8	6.709	216083	170374	1.2683	55.3197
Acetyl Fentanyl	Acetyl Fentanyl-D5	7.001	12611	127645	0.0988	5.1319
Norbuprenorphine	Norbuprenorphine-D3	7.295	430	3819	0.1125	5.3808
Fentanyl	Fentanyl-D5	7.339	11389	88333	0.1289	5.3389
EDDP	EDDP-D3	7.431	16055	15637	1.0267	46.3275
Sufentanil	Sufentanil-D5	7.579	7756	58200	0.1333	5.5297
Quetiapine	Quetiapine-D8	7.600	301906	63898	4.7248	54.9490
Cyclobenzaprine	Cyclobenzaprine-D3	7.633	51403	39561	1.2993	54.2101
Methadone	Methadone-D9	7.664	125947	116435	1.0817	53.7927
Fluoxetine	Fluoxetine-D6	7.705	153648	124648	1.2327	56.4792
Oxazepam	Oxazepam-D5	7.730	18888	15221	1.2409	52.5981
Sertraline	Sertraline-D3	7.767	38316	31906	1.2009	53.9789
Temazepam	Temazepam-D5	7.788	135572	118797	1.1412	51.5841

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

b cal 4

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Buprenorphine	Buprenorphine-D4	7.757	3961	28133	0.1408	4.9078
Nordiazepam	Nordiazepam-D5	7.856	29890	16966	1.7618	50.8136
Diazepam	Diazepam-D5	7.891	134669	95074	1.4165	52.0702

A

ISP FORENSICS - Cd'A Instrument # 62340

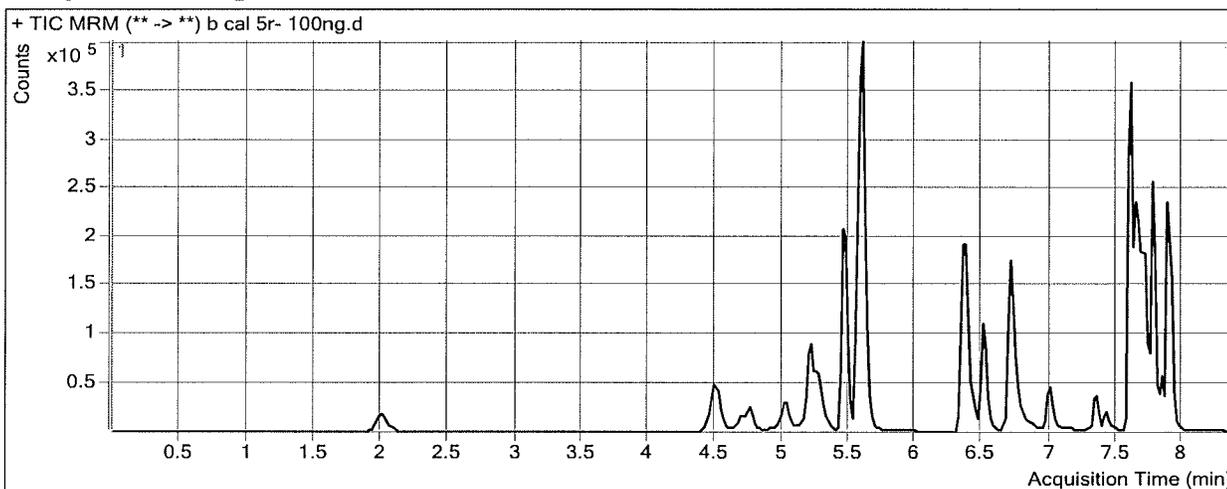
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq 1b.batch.bin
Analysis Time 3/26/2017 9:06 AM **Analyst Name** ISP Tox
Report Time 3/26/2017 9:11 AM **Reporter Name** ISP Tox
Last Calib Update 3/26/2017 9:06 AM **Batch State** Processed

Analysis Info

Acq Time 2017-03-24 14:01 **Data File** b cal 5r- 100ng.d
Sample Type Calibration **Sample Name** b cal 5- 100ng
Dilution 1 **Acq Method** Quant Panel 1b 11-18-2016.m
Position P1-E1 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1 Confirmation

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	2.009	61833	24494	2.5244	103.2715
Dihydrocodeine	Dihydrocodeine-D6	4.496	115076	50845	2.2633	104.9657
Naloxone	Naloxone-D5	4.753	73782	52438	1.4070	110.6231
Noroxycodone	Noroxycodone-D3	5.037	81386	31818	2.5578	107.9825
Naltrexone	Naltrexone-D3	5.212	136342	54783	2.4888	112.5006
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.324	43972	181934	0.2417	9.7990
Naltrexol	Naltrexol-D3	5.471	426211	150175	2.8381	105.8406
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.598	992515	396713	2.5018	106.7375
Ketamine	Ketamine-D4	6.361	331676	122247	2.7132	110.4794
Norfentanyl	Norfentanyl-D5	6.404	51492	231030	0.2229	9.5835
alpha-PVP	alpha-PVP-d8	6.709	430021	180176	2.3867	105.5165
Acetyl Fentanyl	Acetyl Fentanyl-D5	7.001	23848	116519	0.2047	10.7055
Norbuprenorphine	Norbuprenorphine-D3	7.295	593	3681	0.1612	7.9986
Fentanyl	Fentanyl-D5	7.339	19891	80329	0.2476	10.4302
EDDP	EDDP-D3	7.431	33268	14040	2.3695	106.8284
Sufentanil	Sufentanil-D5	7.579	13686	54537	0.2510	10.6484
Quetiapine	Quetiapine-D8	7.600	556340	63395	8.7758	102.8760
Cyclobenzaprine	Cyclobenzaprine-D3	7.633	88719	34688	2.5576	107.7254
Methadone	Methadone-D9	7.664	225096	102449	2.1971	111.8259
Fluoxetine	Fluoxetine-D6	7.705	266366	112895	2.3594	110.0756
Oxazepam	Oxazepam-D5	7.730	35542	15116	2.3512	101.0604
Sertraline	Sertraline-D3	7.767	66818	28314	2.3599	106.6330
Temazepam	Temazepam-D5	7.768	263565	112425	2.3444	107.4534

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

b cal 5

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Buprenorphine	Buprenorphine-D4	7.757	5446	21000	0.2593	8.7665
Nordiazepam	Nordiazepam-D5	7.856	63002	17591	3.5814	104.6813
Diazepam	Diazepam-D5	7.891	260425	95216	2.7351	100.5853

ISP FORENSICS - Cd'A Instrument # 62340

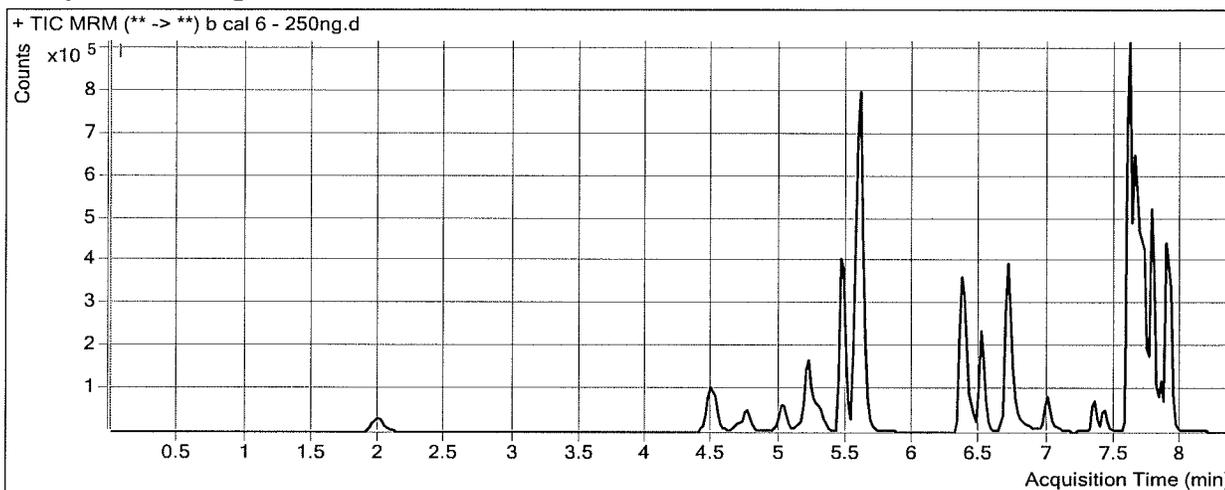
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq 1b.batch.bin
Analysis Time 3/26/2017 9:06 AM **Analyst Name** ISP Tox
Report Time 3/26/2017 9:11 AM **Reporter Name** ISP Tox
Last Calib Update 3/26/2017 9:06 AM **Batch State** Processed

Analysis Info

Acq Time 2017-03-24 14:27 **Data File** b cal 6 - 250ng.d
Sample Type Calibration **Sample Name** b cal 6 - 250ng
Dilution 1 **Acq Method** Quant Panel 1b 11-18-2016.m
Position P1-F1 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1 Confirmation

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	2.009	146973	22661	6.4857	267.2914
Dihydrocodeine	Dihydrocodeine-D6	4.496	267535	49298	5.4269	253.5010
Naloxone	Naloxone-D5	4.753	175966	50666	3.4731	276.6946
Noroxycodone	Noroxycodone-D3	5.037	184194	30023	6.1350	260.5768
Naltrexone	Naltrexone-D3	5.212	281342	57307	4.9094	223.1013
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.324	109615	174502	0.6282	25.4587
Naltrexol	Naltrexol-D3	5.451	955870	141064	6.7762	254.3367
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.598	2331783	385311	6.0517	260.6283
Ketamine	Ketamine-D4	6.361	791026	119463	6.6215	272.0431
Norfentanyl	Norfentanyl-D5	6.404	132431	226593	0.5844	25.0407
alpha-PVP	alpha-PVP-d8	6.709	1063417	184266	5.7711	257.4198
Acetyl Fentanyl	Acetyl Fentanyl-D5	7.001	72400	151138	0.4790	25.1495
Norbuprenorphine	Norbuprenorphine-D3	7.295	2252	3308	0.6807	35.9254
Fentanyl	Fentanyl-D5	7.339	65179	108097	0.6030	25.6738
EDDP	EDDP-D3	7.431	104453	18542	5.6333	253.8782
Sufentanil	Sufentanil-D5	7.579	44090	72480	0.6083	26.1898
Quetiapine	Quetiapine-D8	7.600	1486549	70735	21.0159	247.6861
Cyclobenzaprine	Cyclobenzaprine-D3	7.633	292486	45412	6.4407	272.8736
Methadone	Methadone-D9	7.664	667145	132892	5.0202	258.7016
Fluoxetine	Fluoxetine-D6	7.705	783969	137942	5.6833	268.1846
Oxazepam	Oxazepam-D5	7.730	84233	13913	6.0541	262.6890
Sertraline	Sertraline-D3	7.767	189176	33870	5.5853	253.1734
Temazepam	Temazepam-D5	7.788	592610	106001	5.5906	258.1969

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

b cal b

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Buprenorphine	Buprenorphine-D4	7.757	14974	20980	0.7137	23.5570
Nordiazepam	Nordiazepam-D5	7.856	144257	16389	8.8022	259.2345
Diazepam	Diazepam-D5	7.891	584971	82480	7.0923	260.8942



ISP FORENSICS - Cd'A Instrument # 62340

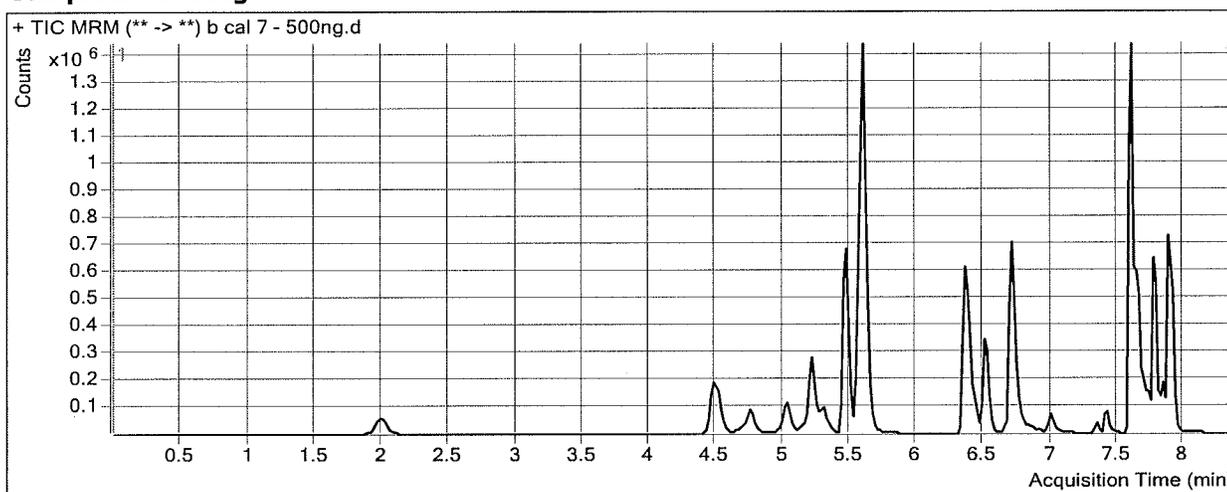
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq 1b.batch.bin		
Analysis Time	3/26/2017 9:06 AM	Analyst Name	ISP Tox
Report Time	3/26/2017 9:11 AM	Reporter Name	ISP Tox
Last Calib Update	3/26/2017 9:06 AM	Batch State	Processed

Analysis Info

Acq Time	2017-03-24 14:52	Data File	b cal 7 - 500ng.d
Sample Type	Calibration	Sample Name	b cal 7 - 500ng
Dilution	1	Acq Method	Quant Panel 1b 11-18-2016.m
Position	P1-G1	Sample Info	
Inj Vol	-1	Comment	AM 28 Panel 1 Confirmation

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	2.009	279250	22566	12.3748	511.1367
Dihydrocodeine	Dihydrocodeine-D6	4.496	514187	49144	10.4628	489.9353
Naloxone	Naloxone-D5	4.753	312522	46607	6.7055	536.5232
Noroxycodone	Noroxycodone-D3	5.037	337746	27780	12.1578	517.4944
Naltrexone	Naltrexone-D3	5.212	567603	49930	11.3679	518.1915
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.324	215032	172637	1.2456	50.4765
Naltrexol	Naltrexol-D3	5.471	1696278	131292	12.9199	486.0021
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.598	4464941	377016	11.8428	511.6831
Ketamine	Ketamine-D4	6.361	1484413	117657	12.6165	519.8631
Norfentanyl	Norfentanyl-D5	6.404	253863	215208	1.1796	50.4848
alpha-PVP	alpha-PVP-d8	6.709	1918205	162978	11.7697	526.6566
Acetyl Fentanyl	Acetyl Fentanyl-D5	7.001	78477	79556	0.9864	51.8622
Norbuprenorphine	Norbuprenorphine-D3	7.295	2058	1993	1.0327	54.8484
Fentanyl	Fentanyl-D5	7.339	40981	34706	1.1808	50.4601
EDDP	EDDP-D3	7.431	175240	16011	10.9450	493.1940
Sufentanil	Sufentanil-D5	7.579	22814	19132	1.1925	51.5967
Quetiapine	Quetiapine-D8	7.600	2482609	53172	46.6900	551.4329
Cyclobenzaprine	Cyclobenzaprine-D3	7.633	137556	11298	12.1755	516.7705
Methadone	Methadone-D9	7.664	638530	65455	9.7553	505.0537
Fluoxetine	Fluoxetine-D6	7.705	212827	20165	10.5541	499.8725
Oxazepam	Oxazepam-D5	7.730	158668	13788	11.5077	500.7338
Sertraline	Sertraline-D3	7.767	46412	4072	11.3985	517.2813
Temazepam	Temazepam-D5	7.768	1100895	98818	11.1406	515.9167

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

b cal 7

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Buprenorphine	Buprenorphine-D4	7.757	11314	7913	1.4297	46.8653
Nordiazepam	Nordiazepam-D5	7.856	249133	14213	17.5291	517.5830
Diazepam	Diazepam-D5	7.891	1019643	73968	13.7848	507.1273

ISP FORENSICS - Cd'A Instrument # 62340

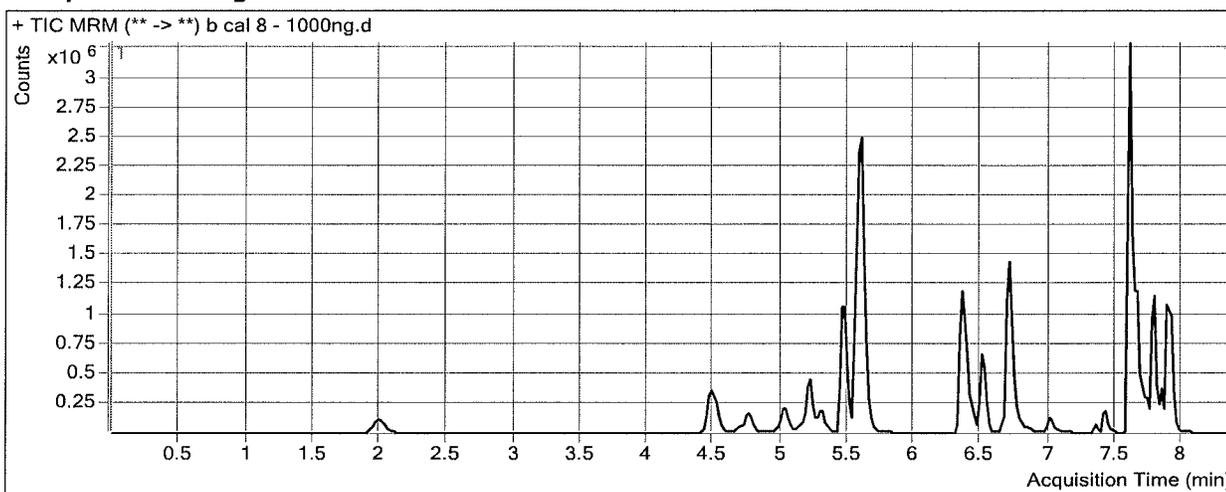
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\32317 mdq panel 1 amn\QuantResults\32317 mdq 1b.batch.bin
Analysis Time 3/26/2017 9:06 AM **Analyst Name** ISP Tox
Report Time 3/26/2017 9:11 AM **Reporter Name** ISP Tox
Last Calib Update 3/26/2017 9:06 AM **Batch State** Processed

Analysis Info

Acq Time 2017-03-24 15:17 **Data File** b cal 8 - 1000ng.d
Sample Type Calibration **Sample Name** b cal 8 - 1000ng
Dilution 1 **Acq Method** Quant Panel 1b 11-18-2016.m
Position P1-H1 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1 Confirmation

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	2.009	560792	24000	23.3663	966.2501
Dihydrocodeine	Dihydrocodeine-D6	4.496	995964	54793	18.1768	852.1092
Naloxone	Naloxone-D5	4.753	574902	49933	11.5135	922.9920
Noroxycodone	Noroxycodone-D3	5.037	659162	29268	22.5219	959.6049
Naltrexone	Naltrexone-D3	5.212	831683	46773	17.7811	811.2163
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.324	459154	187081	2.4543	99.4545
Naltrexol	Naltrexol-D3	5.451	3007524	126174	23.8362	897.6360
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.598	8811984	394217	22.3531	967.3202
Ketamine	Ketamine-D4	6.361	3010111	131515	22.8879	944.4664
Norfentanyl	Norfentanyl-D5	6.404	528872	226257	2.3375	99.9844
alpha-PVP	alpha-PVP-d8	6.709	4003827	187783	21.3216	955.3732
Acetyl Fentanyl	Acetyl Fentanyl-D5	7.001	192959	104408	1.8481	97.2258
Norbuprenorphine	Norbuprenorphine-D3	7.295	3644	1842	1.9783	105.6849
Fentanyl	Fentanyl-D5	7.339	87757	38283	2.2923	98.1412
EDDP	EDDP-D3	7.431	418832	19585	21.3852	963.5739
Sufentanil	Sufentanil-D5	7.599	51111	23094	2.2132	95.9876
Quetiapine	Quetiapine-D8	7.600	5587097	69955	79.8667	943.9430
Cyclobenzaprine	Cyclobenzaprine-D3	7.633	275652	12342	22.3347	948.8375
Methadone	Methadone-D9	7.664	1355229	72340	18.7343	972.2014
Fluoxetine	Fluoxetine-D6	7.705	385212	18925	20.3551	966.0820
Oxazepam	Oxazepam-D5	7.730	318252	14087	22.5926	984.5763
Sertraline	Sertraline-D3	7.767	88625	4954	17.8896	812.1896
Temazepam	Temazepam-D5	7.788	2108562	101000	20.8768	968.0260

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

b cal 8

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Buprenorphine	Buprenorphine-D4	7.757	16490	5090	3.2401	105.7967
Nordiazepam	Nordiazepam-D5	7.856	459848	14063	32.7000	966.6955
Diazepam	Diazepam-D5	7.891	1777116	70081	25.3580	932.9272

